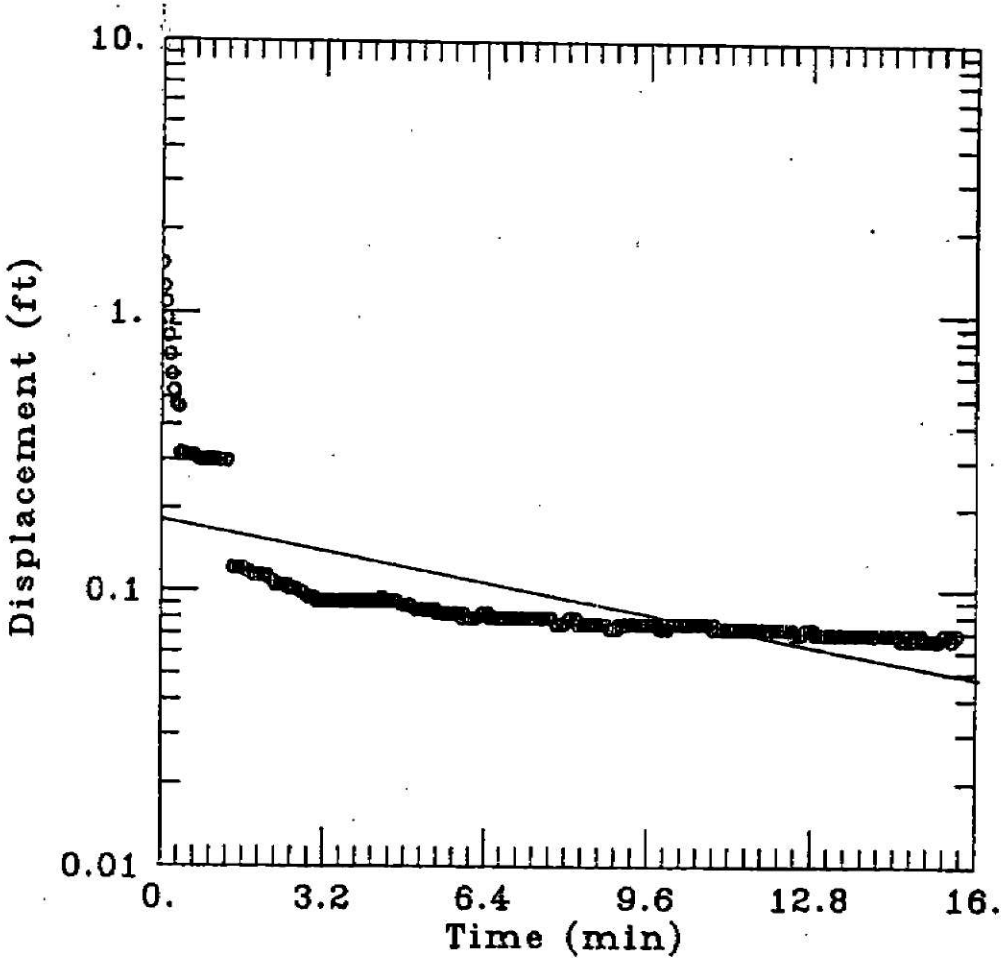
TET ENVIRONMENTAL SERVICES	Client: Wallace Scott
Project No.: Clouds Chevron	Location: Columbia, SC

MW-1



SCDHEC
IFB-29751-4/25/06-EMW
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DATA SET:
b:\clouds\mw1.dat
10/30/93

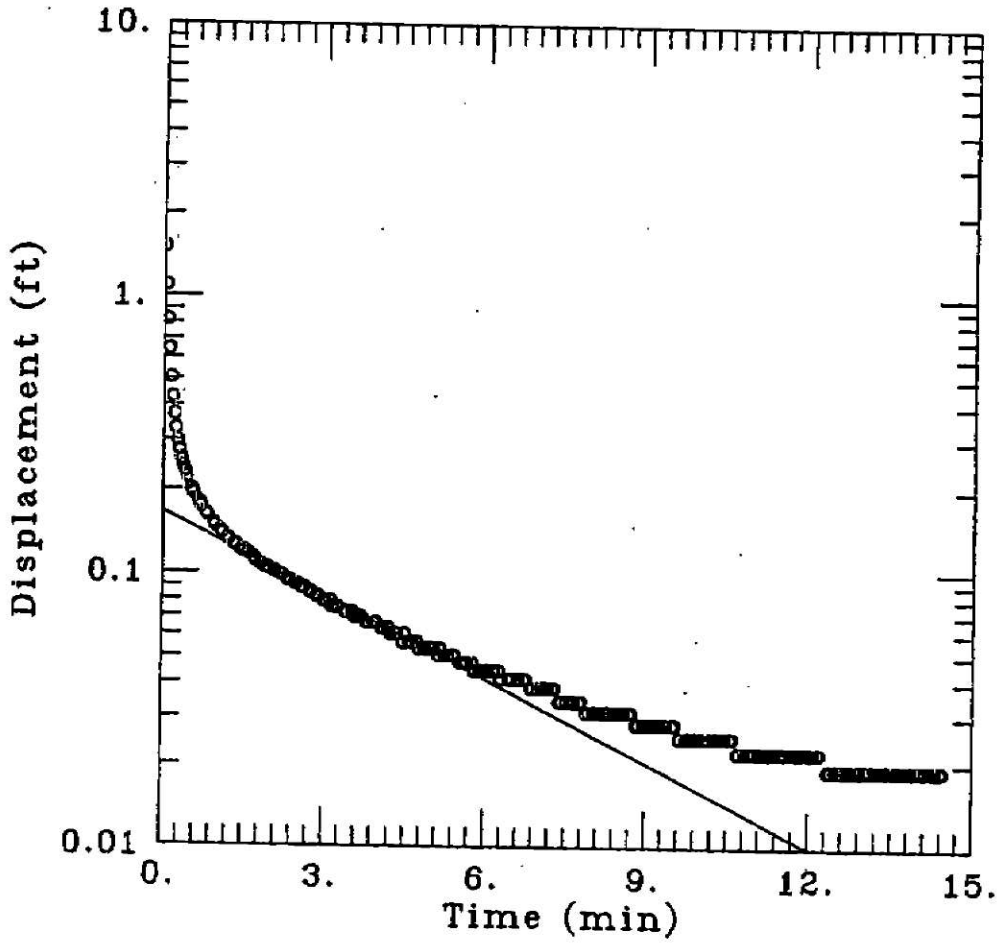
AQUIFER TYPE:
Unconfined
SOLUTION METHOD:
Bouwer-Rice
TEST DATE:
9/17/93
OBS. WELL:
MW-1

ESTIMATED PARAMETERS:
K = 0.0002554 ft/min
y0 = 0.1804 ft

TEST DATA:
H0 = 1.5 ft
rc = 0.22 ft
rw = 0.354 ft
L = 15. ft
b = 80. ft
H = 5.48 ft

TET ENVIRONMENTAL SERVICES	Client: Wallace Scott
Project No.: Cloud's Chevron	Location: Columbia, SC

MW-2



SCDHEC
IFB-29751-4/25/06-EMW
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DATA SET:
b:\clouds\mw2.dat
10/30/93

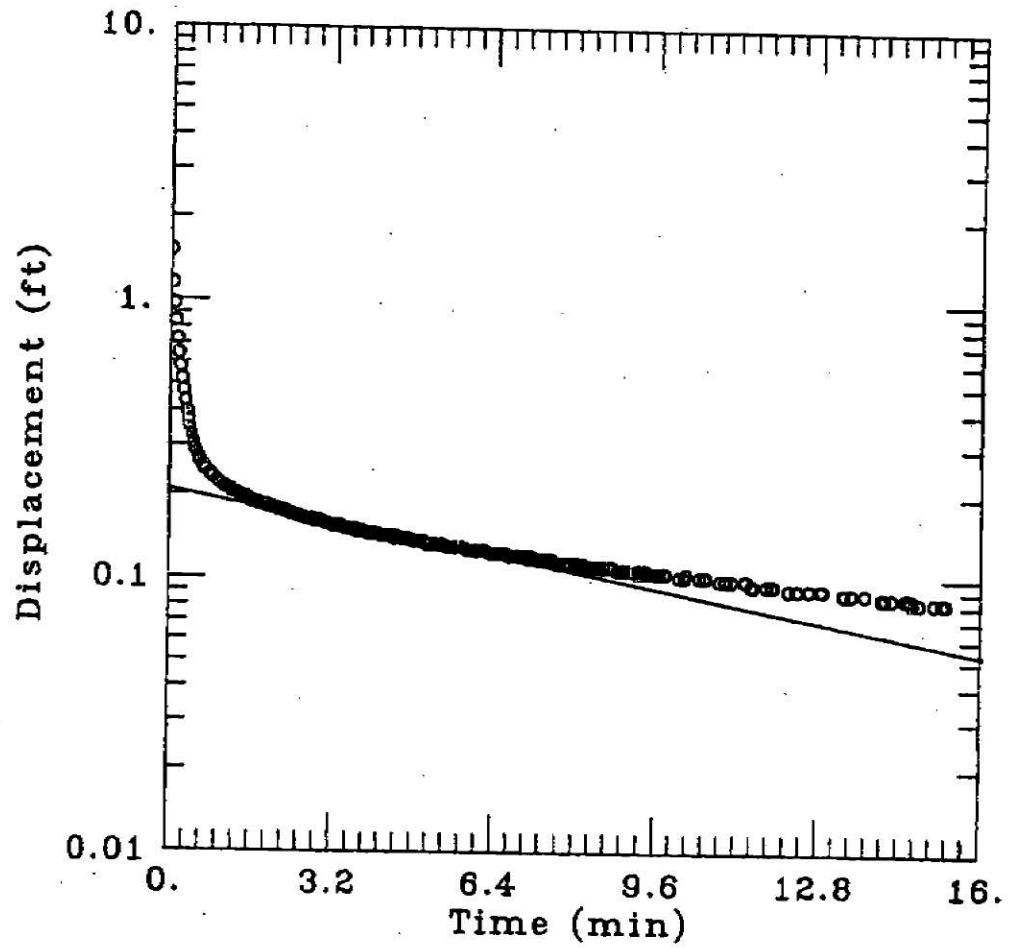
AQUIFER TYPE:
Unconfined
SOLUTION METHOD:
Bouwer-Rice
TEST DATE:
10/11/93
OBS. WELL:
MW-2

ESTIMATED PARAMETERS:
K = 0.0007406 ft/min
y0 = 0.1659 ft

TEST DATA:
H0 = 1.5 ft
rc = 0.22 ft
rw = 0.354 ft
L = 15. ft
b = 80. ft
H = 6.11 ft

TET ENVIRONMENTAL SERVICES	Client: Wallace Scott
Project No.: CLoud's Chevron	Location: Columbia, SC

MW-5



SCDHEC
IFB-29751-4/25/06-EMW
Page: 104

DATA SET:
b:\clouds\mw5.dat
10/30/93

AQUIFER TYPE:
Unconfined

SOLUTION METHOD:
Bouwer-Rice

TEST DATE:
10/11/93

OBS. WELL:
MW-5

ESTIMATED PARAMETERS:
K = 0.0002759 ft/min
y0 = 0.208 ft

TEST DATA:
H0 = 1.5 ft
rc = 0.22 ft
rw = 0.354 ft
L = 15. ft
b = 80. ft
H = 6.62 ft

D H E C

PROMOTE PROTECT PROSPER

Summary of Slug Test
Division of Underground Storage Tank Management

Site Data

UST Permit #: _____ County: Richland

Facility Name: Eastpoint #24

Slug Data

See Appendix D Table _____ Figure _____ for a list of all data measurements. [water level logs, etc. (complete as appropriate)].

Water Level Recovery Data was measured by Water Level Meter.
[Hermit Data Logger, Manually with Water Level Indicator, etc. (list method)].

Complete the following table for each well tested.

COMPLETE A SECOND SHEET IF MORE THAN FOUR WELLS ARE TESTED

Slug Test Conducted in Well(s) Number	MW-2a	MW-5a		
Initial Rise/Drawdown in Well (feet)	18.12	22.01		
Radius of Well Casing (feet)	.08	.08		
Effective Radius of Well (feet)	.33	.33		
Static Saturated Aquifer Thickness (feet)	28	28		
Length of Well Screen (feet)	10	10		
Static Height of Water Column in Well (ft)	10	6		

Calculations

See Appendix D Table _____ Figure _____ for calculations (complete as appropriate).

The method for aquifer calculations was Bouwer-Rice (i.e. Bouwer-Rice, Cooper, etc.).

Calculated values by well were as follows:

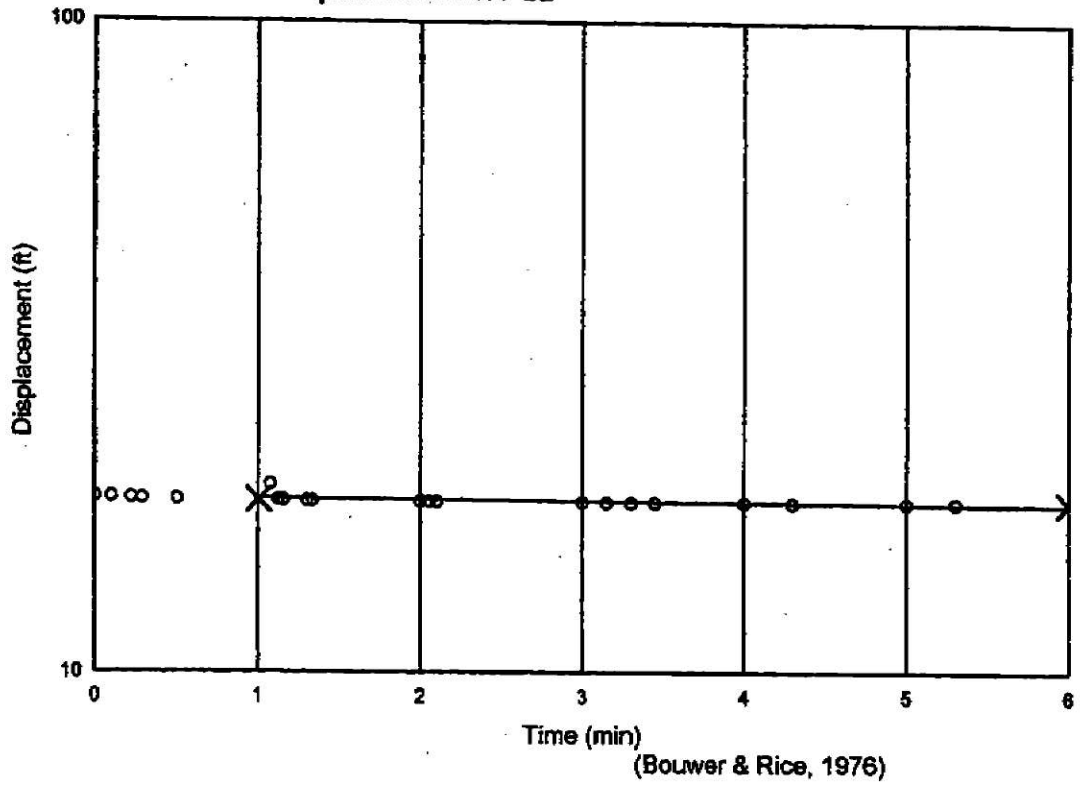
Slug Test Conducted in Well(s) Number	MW-2a	MW-5a	
Hydraulic Conductivity	1.91x10-6	5.60x10-7 cm/sec	

Thickness of the aquifer used to calculate hydraulic conductivity was 28.0 feet.

The aquifer is _____ confined _____ semi-confined x water table (check as appropriate).

The estimated seepage velocity is 0.012 to 0.040 feet per year based on a hydraulic conductivity of 1.91x10-6 to 5.60x10-7, a hydraulic gradient of .007 ft/ft, and a porosity of 35 percent for clayey sand soil (list type i.e., silty sand ,clay, etc).

Rising Head Slug Test
Fastpoint #24 MW-2a



(Bouwer & Rice, 1976)

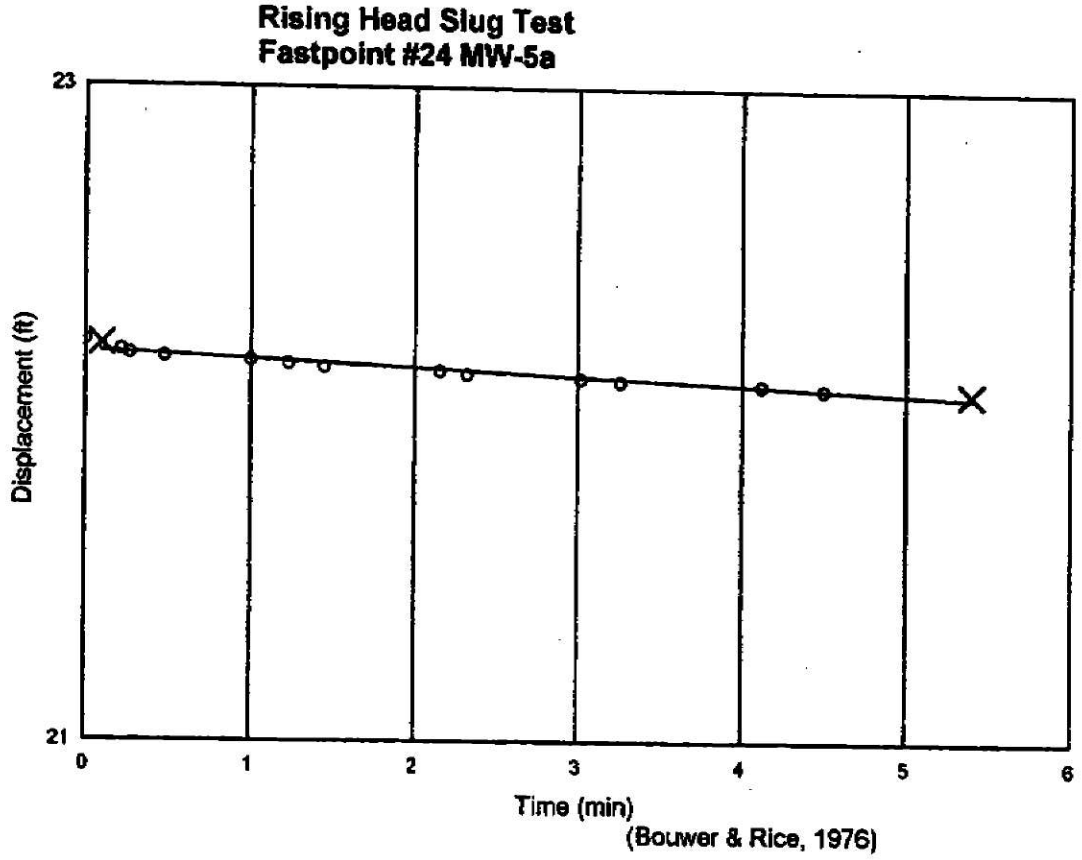
Rising head test

INPUT PARAMETERS
Raw data time unit is min
Raw data length unit is ft
b = 28.00 ft
H = 10.00 ft
L = 10.00 ft
rw = 0.33 ft
rc = 0.08 ft

CALCULATED PARAMETERS
Corr. coeff. = -5.30E-001
Yi = 18.37 ft
t = 2.10E+000 min

OUTPUT PARAMETERS
K = 1.91E-006 cm/sec

Fastpoint #24, Columbia, SC							
Rising Head Slug Test							
MW-2a							
Date: 5-18-99							
				Selected	Selected	Rescaled	
				Time	Draw	(t-t0)	Draw
Time (min.)				(min)	(ft)	(min)	(ft)
0.05	19.1			0.05	19.1	0	19.1
0.2	18.95			0.2	18.95	0.15	18.95
0.31	18.8			0.31	18.8	0.26	18.8
0.36	18.75			0.36	18.75	0.31	18.75
0.48	18.72			0.48	18.72	0.43	18.72
0.5	18.63			0.5	18.63	0.45	18.63
1	18.58			1	18.58	0.95	18.58
1.1	18.55			1.1	18.55	1.05	18.55
1.22	18.5			1.22	18.5	1.17	18.5
1.29	18.45			1.29	18.45	1.24	18.45
1.5	18.43			1.5	18.43	1.45	18.43
2	18.4			2	18.4	1.95	18.4
2.07	19.39			2.07	19.39	2.02	19.39
2.12	18.38			2.12	18.38	2.07	18.38
2.15	18.35			2.15	18.35	2.1	18.35
2.3	18.33			2.3	18.33	2.25	18.33
2.33	18.32			2.33	18.32	2.28	18.32
3	18.29			3	18.29	2.95	18.29
3.05	18.27			3.05	18.27	3	18.27
3.1	18.26			3.1	18.26	3.05	18.26
4	18.22			4	18.22	3.95	18.22
4.15	18.2			4.15	18.2	4.1	18.2
4.3	18.19			4.3	18.19	4.25	18.19
4.45	18.18			4.45	18.18	4.4	18.18
5	18.18			5	18.18	4.95	18.18
5.3	18.16			5.3	18.16	5.25	18.16
6	18.15			6	18.15	5.95	18.15
6.3	18.15			6.3	18.15	6.25	18.15
7	18.15			7	18.15	6.95	18.15



Rising head test

INPUT PARAMETERS
Raw data time unit is min
Raw data length unit is ft
b = 26.00 ft
H = 6.00 ft
L = 6.00 ft
rw = 0.33 ft
rc = 0.08 ft

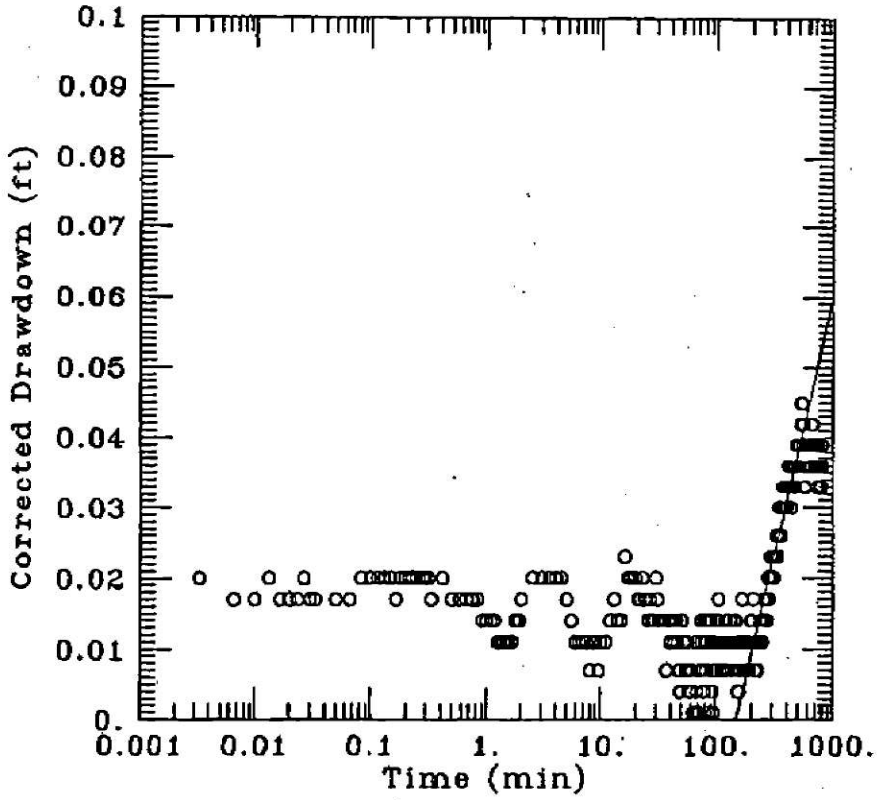
CALCULATED PARAMETERS
Corr. coeff. = -9.71E-001
Yt = 22.13 ft
t = 1.45E+000 min

OUTPUT PARAMETERS
K = 5.60E-007 cm/sec

Fastpoint #24, Columbia, SC							
Rising Head Slug Test							
MW-5a							
Date: 5-18-99				Selected	Selected	Rescaled	
				Time	Draw	(t-t0)	Draw
Time	Draw			(min)	(ft)	(min)	(ft)
0.37	22.25			0.37	22.25	0	22.2
0.49	22.24			0.49	22.24	0.1	22.19
0.55	22.21			0.55	22.21	0.22	22.17
1	22.2			1	22.2	0.27	22.16
1.1	22.19			1.1	22.19	0.48	22.15
1.22	22.17			1.22	22.17	1	22.14
1.27	22.16			1.27	22.16	1.23	22.13
1.48	22.15			1.48	22.15	1.45	22.12
2	22.14			2	22.14	2.15	22.11
2.23	22.13			2.23	22.13	2.32	22.1
2.45	22.12			2.45	22.12	3.02	22.09
3.15	22.11			3.15	22.11	3.26	22.08
3.32	22.1			3.32	22.1	4.12	22.07
4.02	22.09			4.02	22.09	4.5	22.06
4.26	22.08			4.26	22.08	5.4	22.05
5.12	22.07			5.12	22.07		
5.5	22.06			5.5	22.06		
6.4	22.05			6.4	22.05		

SPATCO Environmental	Client: Handy Pantry
Project No.: 9-2798	Location: Taylor St, Columbia S.C.

Handy Pantry, Pumping Test Data, MW-2



DATA SET:
nptntmw2.dat
11/11/93

AQUIFER TYPE:
Unconfined
SOLUTION METHOD:
Cooper-Jacob
TEST DATE:
8/28/93

ESTIMATED PARAMETERS:
T = 0.1707 ft^2/min
S = 0.01789

TEST DATA:
Q = 0.06684 ft^3/min
r = 56. ft
b = 17.38 ft

SCDHEC
IFB-29751-4/25/06-EMW
Page: 110

D H E C
PROMOTE PROTECT PROSPER

Summary of Slug Test
Division of Underground Storage Tank Management

Site Data

UST Permit #: 07584 + 07777 County: RICHLAND

Facility Name: _____

Slug Data

See Appendix 4 Table _____ Figure _____ for a list of all data measurements. [water level logs, etc. (complete as appropriate)].

Water Level Recovery Data was measured by _____
[Hermit Data Logger, Manually with Water Level Indicator, etc. (list method)].

Complete the following table for each well tested.

COMPLETE A SECOND SHEET IF MORE THAN FOUR WELLS ARE TESTED

Slug Test Conducted in Well(s) Number	MW-12	MW-42	DW-6	DW-7
Initial Rise/Drawdown in Well (feet)	10.55	5.71	18.02	22.93
Radius of Well Casing (feet)	0.083	0.083	0.083	0.083
Effective Radius of Well (feet)	0.3	0.3	0.3	0.3
tatic Saturated Aquifer Thickness (feet)	19.75	7.47	23.62	30.29
Length of Well Screen (feet)	20	15	5	5
Static Height of Water Column in Well (ft)	5.25	27.53	46.38	24.71

Calculations

See Appendix 4 Table _____ Figure _____ for calculations (complete as appropriate).

The method for aquifer calculations was BOUWER + RICE (i.e. Bouwer-Rice, Cooper, etc.).

Calculated values by well were as follows:

Slug Test Conducted in Well(s) Number	MW-12	MW-42	DW-6	DW-7
Hydraulic Conductivity FT/DAY	0.00431	0.0161	0.0000306	0.00258

Thickness of the aquifer used to calculate hydraulic conductivity was (13.61 SHALLOW) (26.96 DEEP) AVG feet.

The aquifer is _____ confined _____ semi-confined V water table (check as appropriate).

The estimated seepage velocity is AVG 0.0064 FT/DAY SHALLOW OR 0.145 FT/YR / DEEP 0.00009 FT/DAY OR 0.0135 FT/YR feet per year based on

a hydraulic conductivity of AVG SHALLOW 0.0102 FT/DAY DEEP 0.0013 FT/DAY, a hydraulic gradient of AVG SHALLOW 0.007 FT/FT DEEP 0.0037 FT/FT and

porosity of SHALLOW 18% DEEP 13% percent for CLAYEY SAND SANDY CLAY soil (list type i.e., silty sand, clay, etc).

SEE REPORT FOR INDIVIDUAL SEEPAGE VELOCITIES

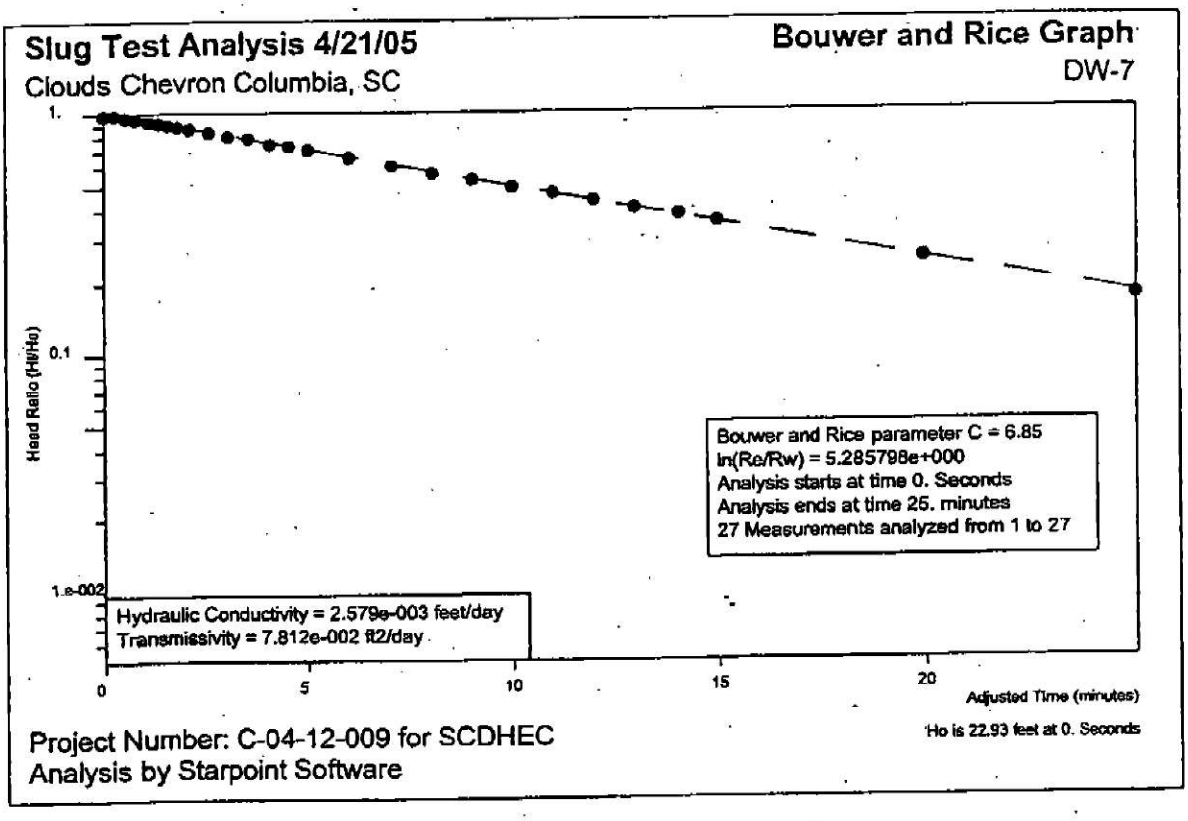
Slug Test Analysis

Site Name:	Clouds Chevron
Location:	Columbia, SC
Test Date:	4/21/05
Client:	SCDHEC
Project Number:	C-04-12-009

Well Label:	DW-7
Aquifer Thickness:	30.29 feet
Screen Length:	5. feet
Casing Radius:	6.917e-003 feet
Effective Radius:	2.5e-002 feet
Static Water Level:	24.71 feet
Water Table to Screen Bottom:	30.29 feet
Anisotropy Ratio:	1.
Time Adjustment:	0. Seconds

Test starts with trial 0
There are 27 time and drawdown measurements
Maximum head is 22.93 feet
Minimum head is 0. feet

Trial	Time (minutes)	Adjusted Time (minutes)	Drawdown (feet)	Head (feet)	Head Ratio
1	0.	0.	47.64	22.93	1.
2	0.25	0.25	47.32	22.61	0.986
3	0.5	0.5	46.96	22.25	0.9703
4	0.75	0.75	46.65	21.94	0.9568
5	1.	1.	46.31	21.6	0.942
6	1.25	1.25	45.87	21.16	0.9228
7	1.5	1.5	45.44	20.73	0.9041
8	1.75	1.75	45.13	20.42	0.8905
9	2.	2.	44.74	20.03	0.8735
10	2.5	2.5	44.03	19.32	0.8426
11	3.	3.	43.27	18.56	0.8094
12	3.5	3.5	42.7	17.99	0.7846
13	4.	4.	41.89	17.18	0.7492
14	4.5	4.5	41.41	16.7	0.7283
15	5.	5.	40.82	16.11	0.7026
16	6.	6.	39.72	15.01	0.6546
17	7.	7.	38.64	13.93	0.6075
18	8.	8.	37.61	12.9	0.5626
19	9.	9.	36.85	12.14	0.5294
20	10.	10.	36.07	11.36	0.4954
21	11.	11.	35.3	10.59	0.4618
22	12.	12.	34.6	9.89	0.4313
23	13.	13.	33.9	9.19	0.4008
24	14.	14.	33.3	8.59	0.3746
25	15.	15.	32.71	8.	0.3489
26	20.	20.	30.36	5.65	0.2464
27	25.	25.	28.57	3.86	0.1683


Slug Test Analysis 4/21/05
Clouds Chevron Columbia, SC
Bouwer and Rice Graph
DW-7
Head Ratio (Ht/Ho)
1.
0.1
1.e-002
Bouwer and Rice parameter C = 6.85
ln(Re/Rw) = 5.285798e+000
Analysis starts at time 0. Seconds
Analysis ends at time 25. minutes
27 Measurements analyzed from 1 to 27
Hydraulic Conductivity = 2.579e-003 feet/day
Transmissivity = 7.812e-002 ft2/day
0
5
10
15
20
Adjusted Time (minutes)
Ho is 22.93 feet at 0. Seconds
Project Number: C-04-12-009 for SCDHEC
Analysis by Starpoint Software

Bouwer and Rice Automatic Parameter Estimation

Slug Test Analysis

Site Name:	Clouds Chevron
Location:	Columbia, SC
Test Date:	4/21/05
Client:	SCDHEC
Project Number:	C-04-12-009

Well Label:	DW-7
Aquifer Thickness:	30.29 feet
Screen Length:	5. feet
Casing Radius:	6.917e-003 feet
Effective Radius:	2.5e-002 feet
Bouwer and Rice Parameter C	6.85
Radius of Influence of Test	4.938 feet

Trial	Adjusted Time (minutes)	Head (feet)	Head Ratio	Hyd. Con. (feet/day)	Flow to Well (Gallons/Day)
1	0.	22.93	1.	--	
2	0.25	22.61	0.986	2.047e-003	2.058
3	0.5	22.25	0.9703	2.192e-003	2.169
4	0.75	21.94	0.9568	2.143e-003	2.09
5	1.	21.6	0.942	2.176e-003	2.09
6	1.25	21.16	0.9228	2.34e-003	2.202
7	1.5	20.73	0.9041	2.449e-003	2.257
8	1.75	20.42	0.8905	2.412e-003	2.19
9	2.	20.03	0.8735	2.462e-003	2.192
10	2.5	19.32	0.8426	2.495e-003	2.143
11	3.	18.56	0.8094	2.566e-003	2.118
12	3.5	17.99	0.7846	2.524e-003	2.019
13	4.	17.18	0.7492	2.628e-003	2.007
14	4.5	16.7	0.7283	2.565e-003	1.905
15	5.	16.11	0.7026	2.571e-003	1.841
16	6.	15.01	0.6546	2.572e-003	1.716
17	7.	13.93	0.6075	2.593e-003	1.606
18	8.	12.9	0.5626	2.618e-003	1.502
19	9.	12.14	0.5294	2.573e-003	1.389
20	10.	11.36	0.4954	2.558e-003	1.292
21	11.	10.59	0.4618	2.557e-003	1.204
22	12.	9.89	0.4313	2.552e-003	1.122
23	13.	9.19	0.4008	2.561e-003	1.046
24	14.	8.59	0.3746	2.554e-003	0.9753
25	15.	8.	0.3489	2.556e-003	0.9092
26	20.	5.65	0.2464	2.55e-003	0.6407
27	25.	3.86	0.1683	2.595e-003	0.4454

Arithmetic Means:

Hydraulic Conductivity	2.477e-003 feet/day
Transmissivity	7.504e-002 ft2/day

Geometric Means:

Hydraulic Conductivity	2.472e-003 feet/day
Transmissivity	7.487e-002 ft2/day

Sensitivity Analysis:

Hydraulic Conductivity	2.562e-003 feet/day

Transmissivity	7.759e-002 ft2/day

PUMP TEST FIELD DATA REPORT

PROJECT NO.: C-009	PUMP GPM:
DATE: 4/21/05	PUMPING WELL Y N #
TEST PERFORMED BY: RR	OBSERVATION WELL (Y) N # DW-7

TIME (MIN)	WATER LEVEL (FEET)
0	47.14
0.25	47.32
0.50	46.96
0.75	46.65
1.00	46.31
1.25	45.87
1.50	45.44
1.75	45.13
2.00	44.74
2.50	44.03
3.00	43.27
3.50	42.70
4.00	41.89
4.50	41.41
5.00	40.82
6.00	39.72
7.00	38.64
8.00	37.61
9.00	36.85
10.00	36.07
11.00	35.30
12.00	34.60
13.00	33.90
14.00	33.030
15.00	32.71
20.00	30.36
25.00	28.57
30.00	
35.00	
40.00	
45.00	
50.00	
55.00	
60.00	
75.00	
90.00	
105.00	
120.00	
150.00	
180.00	
210.00	
240.00	
270.00	
300.00	
330.00	
360.00	
390.00	
420.00	
450.00	
480.00	
510.00	
540.00	
570.00	
600.00	
630.00	
660.00	
690.00	
720.00	
750.00	
780.00	
840.00	
900.00	
960.00	
1020.00	
1080.00	
1140.00	
1200.00	
1260.00	
1320.00	
1380.00	
1440.00	

NOTES:

80% 29.97

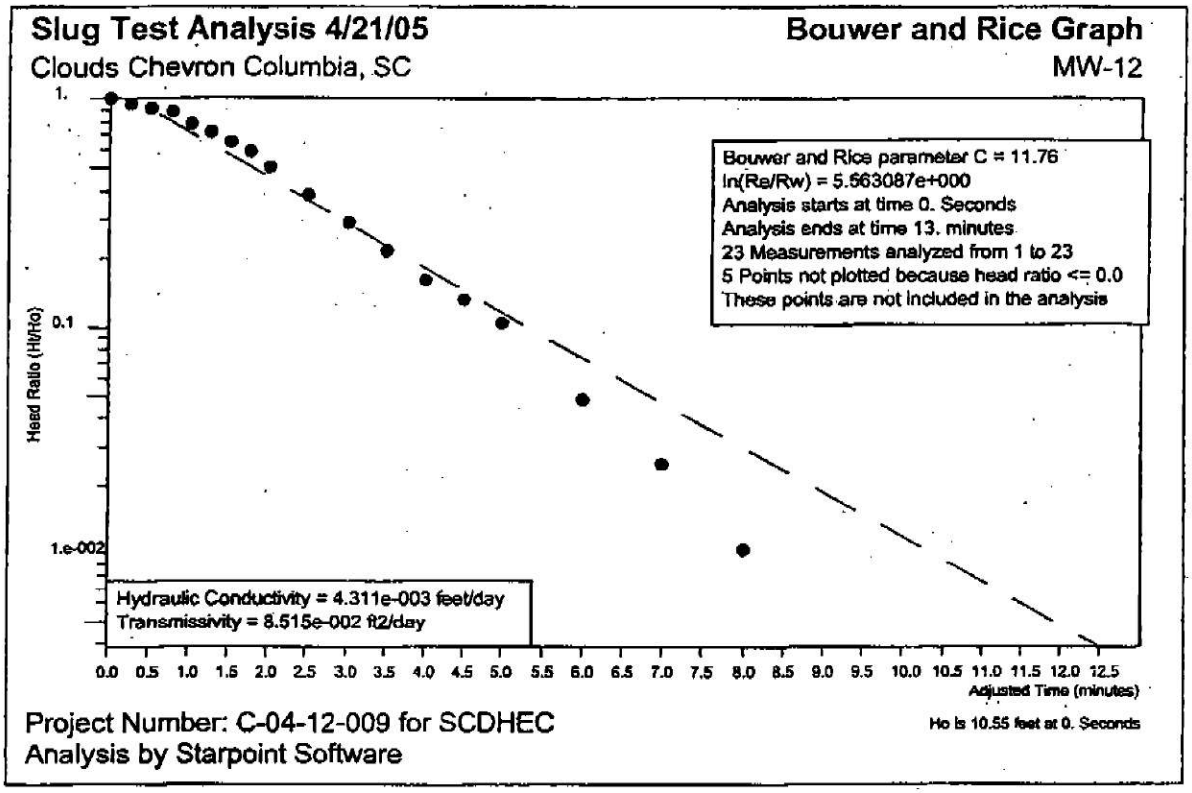
Slug Test Analysis

Site Name:	Clouds Chevron
Location:	Columbia, SC
Test Date:	4/21/05
Client:	SCDHEC
Project Number:	C-04-12-009

Well Label:	MW-12
Aquifer Thickness:	19.75 feet
Screen Length:	20. feet
Casing Radius:	6.917e-003 feet
Effective Radius:	2.5e-002 feet
Static Water Level:	5.25 feet
Water Table to Screen Bottom:	19.75 feet
Anisotropy Ratio:	1.
Time Adjustment:	0. Seconds

Test starts with trial 0
There are 23 time and drawdown measurements
Maximum head is 10.55 feet
Minimum head is -5.25 feet

Trial	Time (minutes)	Adjusted Time (minutes)	Drawdown (feet)	Head (feet)	Head Ratio
1	0.	0.	15.8	10.55	1.
2	0.25	0.25	15.21	9.96	0.9441
3	0.5	0.5	14.83	9.58	0.9081
4	0.75	0.75	14.45	9.2	0.872
5	1.	1.	13.4	8.15	0.7725
6	1.25	1.25	12.85	7.6	0.7204
7	1.5	1.5	12.11	6.86	0.6502
8	1.75	1.75	11.44	6.19	0.5867
9	2.	2.	10.59	5.34	0.5062
10	2.5	2.5	9.24	3.99	0.3782
11	3.	3.	8.28	3.03	0.2872
12	3.5	3.5	7.56	2.31	0.219
13	4.	4.	6.97	1.72	0.163
14	4.5	4.5	6.66	1.41	0.1336
15	5.	5.	6.36	1.11	0.1052
16	6.	6.	5.76	0.51	4.834e-002
17	7.	7.	5.51	0.26	2.464e-002
18	8.	8.	5.36	0.11	1.043e-002
19	9.	9.	5.29	4.e-002	3.791e-003
20	10.	10.	5.24	-1.e-002	-9.479e-004
21	11.	11.	5.19	-6.e-002	-5.687e-003
22	12.	12.	5.17	-8.e-002	-7.583e-003
23	13.	13.	0.	-5.25	-0.4976


Slug Test Analysis 4/21/05
Clouds Chevron Columbia, SC
Bouwer and Rice Graph
MW-12
Bouwer and Rice parameter C = 11.76
ln(Re/Rw) = 5.563087e+000
Analysis starts at time 0. Seconds
Analysis ends at time 13. minutes
23 Measurements analyzed from 1 to 23
5 Points not plotted because head ratio <= 0.0
These points are not included in the analysis
Hydraulic Conductivity = 4.311e-003 feet/day
Transmissivity = 8.515e-002 ft2/day
Head Ratio (H/Ho)
1.
0.1
1.e-002
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5
Adjusted Time (minutes)
Project Number: C-04-12-009 for SCDHEC
Analysis by Starpoint Software
Ho is 10.55 feet at 0. Seconds

Bouwer and Rice Automatic Parameter Estimation

Slug Test Analysis

Site Name:	Clouds Chevron
Location:	Columbia, SC
Test Date:	4/21/05
Client:	SCDHEC
Project Number:	C-04-12-009

Well Label:	MW-12
Aquifer Thickness:	19.75 feet
Screen Length:	20. feet
Casing Radius:	6.917e-003 feet
Effective Radius:	2.5e-002 feet
Bouwer and Rice Parameter C	11.76
Radius of Influence of Test	6.516 feet

Trial	Adjusted Time (minutes)	Head (feet)	Head Ratio	Hyd. Con. (feet/day)	Flow to Well (Gallons/Day)
1	0.	10.55	1.	--	
2	0.25	9.96	0.9441	2.233e-003	3.759
3	0.5	9.58	0.9081	1.872e-003	3.03
4	0.75	9.2	0.872	1.771e-003	2.754
5	1.	8.15	0.7725	2.504e-003	3.449
6	1.25	7.6	0.7204	2.546e-003	3.269
7	1.5	6.86	0.6502	2.784e-003	3.227
8	1.75	6.19	0.5867	2.956e-003	3.092
9	2.	5.34	0.5062	3.303e-003	2.981
10	2.5	3.99	0.3782	3.774e-003	2.544
11	3.	3.03	0.2872	4.035e-003	2.066
12	3.5	2.31	0.219	4.21e-003	1.643
13	4.	1.72	0.163	4.4e-003	1.279
14	4.5	1.41	0.1336	4.339e-003	1.034
15	5.	1.11	0.1052	4.369e-003	0.8196
16	6.	0.51	4.834e-002	4.899e-003	0.4222
17	7.	0.26	2.464e-002	5.133e-003	0.2255
18	8.	0.11	1.043e-002	5.534e-003	0.1029
19	9.	4.e-002	3.791e-003	6.01e-003	4.062e-002
20	10.	-1.e-002	-9.479e-004	--	
21	11.	-6.e-002	-5.687e-003	--	
22	12.	-8.e-002	-7.583e-003	--	
23	13.	-5.25	-0.4976	--	

Arithmetic Means:

Hydraulic Conductivity	3.704e-003 feet/day
Transmissivity	7.315e-002 ft2/day

Geometric Means:

Hydraulic Conductivity	3.485e-003 feet/day
Transmissivity	6.882e-002 ft2/day

Sensitivity Analysis:

Hydraulic Conductivity	3.619e-003 feet/day
Transmissivity	7.147e-002 ft2/day

PUMP TEST FIELD DATA REPORT

PROJECT NO.: C-009		PUMP GPM:	
DATE: 4/21/05		PUMPING WELL Y N	#
TEST PERFORMED BY: RR		OBSERVATION WELL (Y) N	# MW-12

TIME (MIN)	WATER LEVEL (FEET)
0	15.40
0.25	15.21
0.50	14.83
0.75	14.45
1.00	13.40
1.25	12.65
1.50	12.11
1.75	11.44
2.00	10.59
2.50	9.24
3.00	8.26
3.50	7.56
4.00	6.97
4.50	6.66
5.00	6.36
6.00	5.76
7.00	5.51
8.00	5.36
9.00	5.29
10.00	5.24
11.00	5.19
12.00	5.17
13.00	5.16
14.00	
15.00	
20.00	
25.00	
30.00	
35.00	
40.00	
45.00	
50.00	
55.00	
60.00	
75.00	
90.00	
105.00	
120.00	
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750.00	
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840.00	
900.00	
960.00	
1020.00	
1080.00	
1140.00	
1200.00	
1260.00	
1320.00	
1380.00	
1440.00	

NOTES:

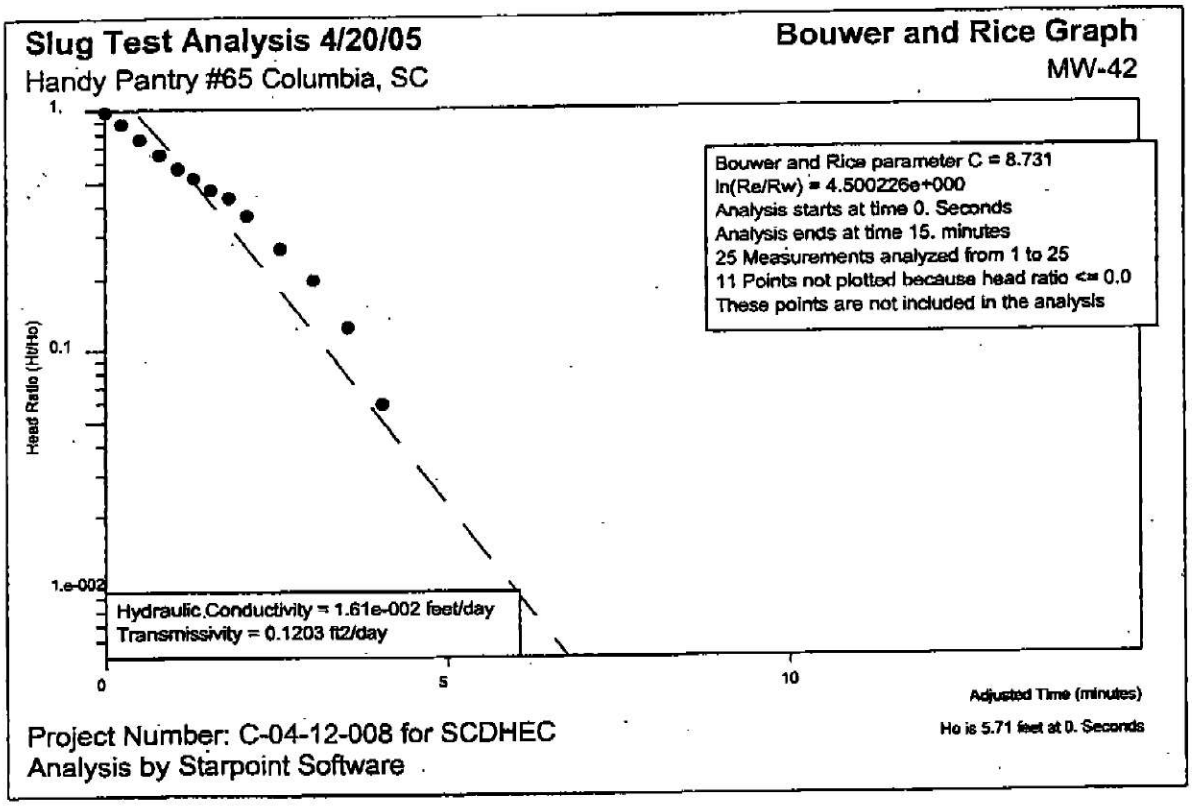
Slug Test Analysis

Site Name:	Handy Pantry #65
Location:	Columbia, SC
Test Date:	4/20/05
Client:	SCDHEC
Project Number:	C-04-12-008

Well Label:	MW-42
Aquifer Thickness:	7.47 feet
Screen Length:	15. feet
Casing Radius:	6.917e-003 feet
Effective Radius:	2.5e-002 feet
Static Water Level:	27.53 feet
Water Table to Screen Bottom:	7.47 feet
Anisotropy Ratio:	1.
Time Adjustment:	0. Seconds

Test starts with trial 0
There are 25 time and drawdown measurements
Maximum head is 5.71 feet
Minimum head is -0.19 feet

Trial	Time (minutes)	Adjusted Time (minutes)	Drawdown (feet)	Head (feet)	Head Ratio
1	0.	0.	33.24	5.71	1.
2	0.25	0.25	32.54	5.01	0.8774
3	0.5	0.5	31.89	4.36	0.7636
4	0.75	0.75	31.29	3.76	0.6585
5	1.	1.	30.79	3.26	0.5709
6	1.25	1.25	30.49	2.96	0.5184
7	1.5	1.5	30.19	2.66	0.4658
8	1.75	1.75	29.98	2.45	0.4291
9	2.	2.	29.61	2.08	0.3643
10	2.5	2.5	29.04	1.51	0.2644
11	3.	3.	28.64	1.11	0.1944
12	3.5	3.5	28.24	0.71	0.1243
13	4.	4.	27.87	0.34	5.954e-002
14	4.5	4.5	27.58	5.e-002	8.757e-003
15	5.	5.	27.41	-0.12	-2.102e-002
16	6.	6.	27.36	-0.17	-2.977e-002
17	7.	7.	27.34	-0.19	-3.327e-002
18	8.	8.	27.34	-0.19	-3.327e-002
19	9.	9.	27.34	-0.19	-3.327e-002
20	10.	10.	27.34	-0.19	-3.327e-002
21	11.	11.	27.34	-0.19	-3.327e-002
22	12.	12.	27.34	-0.19	-3.327e-002
23	13.	13.	27.34	-0.19	-3.327e-002
24	14.	14.	27.34	-0.19	-3.327e-002
25	15.	15.	27.34	-0.19	-3.327e-002


Slug Test Analysis 4/20/05
Handy Pantry #65 Columbia, SC
Bouwer and Rice Graph
MW-42
Bouwer and Rice parameter C = 8.731
ln(Re/Rw) = 4.500226e+000
Analysis starts at time 0. Seconds
Analysis ends at time 15. minutes
25 Measurements analyzed from 1 to 25
11 Points not plotted because head ratio <= 0.0
These points are not included in the analysis
Head Ratio (H/Ho)
1.
0.1
1.e-002
Hydraulic Conductivity = 1.61e-002 feet/day
Transmissivity = 0.1203 ft2/day
0
5
10
Adjusted Time (minutes)
Ho is 5.71 feet at 0. Seconds
Project Number: C-04-12-008 for SCDHEC
Analysis by Starpoint Software

Bouwer and Rice Automatic Parameter Estimation

Slug Test Analysis

Site Name:	Handy Pantry #65
Location:	Columbia, SC
Test Date:	4/20/05
Client:	SCDHEC
Project Number:	C-04-12-008

Well Label:	MW-42
Aquifer Thickness:	7.47 feet
Screen Length:	15. feet
Casing Radius:	6.917e-003 feet
Effective Radius:	2.5e-002 feet
Bouwer and Rice Parameter C	8.731
Radius of Influence of Test	2.251 feet

Trial	Adjusted Time (minutes)	Head (feet)	Head Ratio	Hyd. Con. (feet/day)	Flow to Well (Gallons/Day)
1	0.	5.71	1.	–	
2	0.25	5.01	0.8774	1.086e-002	8.52
3	0.5	4.36	0.7636	1.12e-002	7.647
4	0.75	3.76	0.6585	1.156e-002	6.809
5	1.	3.26	0.5709	1.163e-002	5.94
6	1.25	2.96	0.5184	1.091e-002	5.058
7	1.5	2.66	0.4658	1.057e-002	4.404
8	1.75	2.45	0.4291	1.003e-002	3.851
9	2.	2.08	0.3643	1.048e-002	3.414
10	2.5	1.51	0.2644	1.104e-002	2.612
11	3.	1.11	0.1944	1.133e-002	1.97
12	3.5	0.71	0.1243	1.236e-002	1.375
13	4.	0.34	5.954e-002	1.463e-002	0.7795
14	4.5	5.e-002	8.757e-003	2.185e-002	0.1711
15	5.	-0.12	-2.102e-002	–	
16	6.	-0.17	-2.977e-002	–	
17	7.	-0.19	-3.327e-002	–	
18	8.	-0.19	-3.327e-002	–	
19	9.	-0.19	-3.327e-002	–	
20	10.	-0.19	-3.327e-002	–	
21	11.	-0.19	-3.327e-002	–	
22	12.	-0.19	-3.327e-002	–	
23	13.	-0.19	-3.327e-002	–	
24	14.	-0.19	-3.327e-002	–	
25	15.	-0.19	-3.327e-002	–	

Arithmetic Means:

Hydraulic Conductivity	1.219e-002 feet/day
Transmissivity	9.104e-002 ft2/day

Geometric Means:

Hydraulic Conductivity	1.192e-002 feet/day
Transmissivity	8.903e-002 ft2/day

Sensitivity Analysis:

Hydraulic Conductivity	1.159e-002 feet/day
Transmissivity	8.655e-002 ft2/day

PUMP TEST FIELD DATA REPORT

PROJECT NO.: C-009	PUMP GPM:
DATE: 4/20/05	PUMPING WELL Y N #
TEST PERFORMED BY: RR/DM	OBSERVATION WELL (Y) N # MW-42

TIME (MIN)	WATER LEVEL (FEET)
0	~~33.24~~
0.25	32.54
0.50	31.89
0.75	31.29
1.00	30.79
1.25	30.49
1.50	30.19
1.75	29.94
2.00	29.61
2.50	~~29.30~~ 29.04
3.00	28.64
3.50	28.24
4.00	27.87
4.50	27.58
5.00	27.41
6.00	27.36
7.00	27.34
8.00	27.34
9.00	27.34
10.00	27.34
11.00	27.34
12.00	27.34
13.00	27.34
14.00	27.34
15.00	27.34
20.00	
25.00	
30.00	
35.00	
40.00	
45.00	
50.00	
55.00	
60.00	
75.00	
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840.00	
900.00	
960.00	
1020.00	
1080.00	
1140.00	
1200.00	
1260.00	
1320.00	
1380.00	
1440.00	

NOTES:

Slug Test Analysis

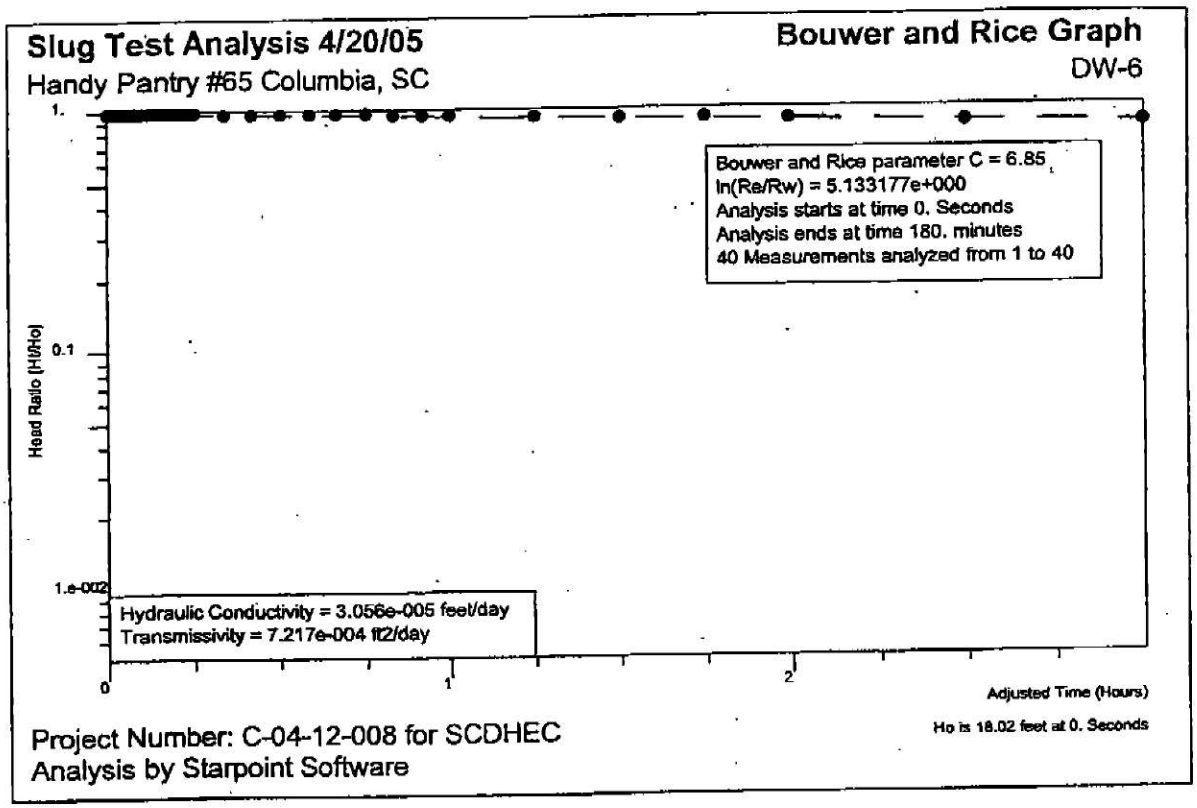
Site Name:	Handy Pantry #65
Location:	Columbia, SC
Test Date:	4/20/05
Client:	SCDHEC
Project Number:	C-04-12-008

Well Label:	DW-6
Aquifer Thickness:	23.62 feet
Screen Length:	5. feet
Casing Radius:	6.917e-003 feet
Effective Radius:	2.5e-002 feet
Static Water Level:	46.38 feet
Water Table to Screen Bottom:	23.62 feet
Anisotropy Ratio:	1.
Time Adjustment:	0. Seconds

Test starts with trial 0
There are 40 time and drawdown measurements
Maximum head is 18.02 feet
Minimum head is 0. feet

Trial	Time (minutes)	Adjusted Time (minutes)	Drawdown (feet)	Head (feet)	Head Ratio
1	0.	0.	64.4	18.02	1.
2	0.25	0.25	64.35	17.97	0.9972
3	0.5	0.5	64.33	17.95	0.9961
4	0.75	0.75	64.32	17.94	0.9956
5	1.	1.	64.32	17.94	0.9956
6	1.25	1.25	64.31	17.93	0.995
7	1.5	1.5	64.3	17.92	0.9945
8	1.75	1.75	64.3	17.92	0.9945
9	2.	2.	64.29	17.91	0.9939
10	2.5	2.5	64.28	17.9	0.9933
11	3.	3.	64.27	17.89	0.9928
12	3.5	3.5	64.26	17.88	0.9922
13	4.	4.	64.26	17.88	0.9922
14	4.5	4.5	64.25	17.87	0.9917
15	5.	5.	64.25	17.87	0.9917
16	6.	6.	64.23	17.85	0.9906
17	7.	7.	64.21	17.83	0.9895
18	8.	8.	64.21	17.83	0.9895
19	9.	9.	64.19	17.81	0.9883
20	10.	10.	64.18	17.8	0.9878
21	11.	11.	64.17	17.79	0.9872
22	12.	12.	64.17	17.79	0.9872
23	13.	13.	64.16	17.78	0.9867
24	14.	14.	64.15	17.77	0.9861
25	15.	15.	64.14	17.76	0.9856
26	20.	20.	64.06	17.68	0.9811
27	25.	25.	63.99	17.61	0.9772
28	30.	30.	63.92	17.54	0.9734
29	35.	35.	63.85	17.47	0.9695
30	40.	40.	63.79	17.41	0.9661
31	45.	45.	63.74	17.36	0.9634
32	50.	50.	63.69	17.31	0.9606
33	55.	55.	63.62	17.24	0.9567
34	60.	60.	63.55	17.17	0.9528

35	75.	75.	63.31	16.93	0.9395
36	90.	90.	63.07	16.69	0.9262
37	105.	105.	62.83	16.45	0.9129
38	120.	120.	62.59	16.21	0.8996
39	150.	150.	62.11	15.73	0.8729
40	180.	180.	61.63	15.25	0.8463


Slug Test Analysis 4/20/05
Handy Pantry #65 Columbia, SC
Bouwer and Rice Graph
DW-6
Bouwer and Rice parameter C = 6.85
ln(Re/Rw) = 5.133177e+000
Analysis starts at time 0. Seconds
Analysis ends at time 180. minutes
40 Measurements analyzed from 1 to 40
Head Ratio (H/Ho)
1.
0.1
1.e-002
Hydraulic Conductivity = 3.056e-005 feet/day
Transmissivity = 7.217e-004 ft2/day
0
1
2
Adjusted Time (Hours)
Ho is 18.02 feet at 0. Seconds
Project Number: C-04-12-008 for SCDHEC
Analysis by Starpoint Software

Bouwer and Rice Automatic Parameter Estimation

Slug Test Analysis

Site Name:	Handy Pantry #65
Location:	Columbia, SC
Test Date:	4/20/05
Client:	SCDHEC
Project Number:	C-04-12-008

Well Label:	DW-6
Aquifer Thickness:	23.62 feet
Screen Length:	5. feet
Casing Radius:	6.917e-003 feet
Effective Radius:	2.5e-002 feet
Bouwer and Rice Parameter C	6.85
Radius of Influence of Test	4.239 feet

Trial	Adjusted Time (minutes)	Head (feet)	Head Ratio	Hyd. Con. (feet/day)	Flow to Well (Gallons/Day)
1	0.	18.02	1.	--	
2	0.25	17.97	0.9972	3.93e-004	0.3233
3	0.5	17.95	0.9961	2.753e-004	0.2262
4	0.75	17.94	0.9956	2.098e-004	0.1723
5	1.	17.94	0.9956	1.573e-004	0.1292
6	1.25	17.93	0.995	1.416e-004	0.1163
7	1.5	17.92	0.9945	1.312e-004	0.1076
8	1.75	17.92	0.9945	1.124e-004	9.225e-002
9	2.	17.91	0.9939	1.083e-004	8.877e-002
10	2.5	17.9	0.9933	9.451e-005	7.745e-002
11	3.	17.89	0.9928	8.535e-005	6.99e-002
12	3.5	17.88	0.9922	7.88e-005	6.451e-002
13	4.	17.88	0.9922	6.895e-005	5.644e-002
14	4.5	17.87	0.9917	6.569e-005	5.374e-002
15	5.	17.87	0.9917	5.912e-005	4.837e-002
16	6.	17.85	0.9906	5.587e-005	4.565e-002
17	7.	17.83	0.9895	5.355e-005	4.371e-002
18	8.	17.83	0.9895	4.685e-005	3.825e-002
19	9.	17.81	0.9883	4.606e-005	3.755e-002
20	10.	17.8	0.9878	4.344e-005	3.54e-002
21	11.	17.79	0.9872	4.13e-005	3.363e-002
22	12.	17.79	0.9872	3.785e-005	3.083e-002
23	13.	17.78	0.9867	3.647e-005	2.969e-002
24	14.	17.77	0.9861	3.529e-005	2.871e-002
25	15.	17.76	0.9856	3.426e-005	2.786e-002
26	20.	17.68	0.9811	3.368e-005	2.726e-002
27	25.	17.61	0.9772	3.256e-005	2.625e-002
28	30.	17.54	0.9734	3.182e-005	2.556e-002
29	35.	17.47	0.9695	3.132e-005	2.505e-002
30	40.	17.41	0.9661	3.044e-005	2.427e-002
31	45.	17.36	0.9634	2.932e-005	2.33e-002
32	50.	17.31	0.9606	2.843e-005	2.253e-002
33	55.	17.24	0.9567	2.845e-005	2.246e-002
34	60.	17.17	0.9528	2.848e-005	2.239e-002
35	75.	16.93	0.9395	2.942e-005	2.28e-002
36	90.	16.69	0.9262	3.013e-005	2.302e-002
37	105.	16.45	0.9129	3.07e-005	2.312e-002
38	120.	16.21	0.8996	3.119e-005	2.315e-002

39	150.	15.73	0.8729	3.204e-005	2.307e-002
40	180.	15.25	0.8463	3.279e-005	2.289e-002

Arithmetic Means:

Hydraulic Conductivity	7.367e-005 feet/day
Transmissivity	1.74e-003 ft2/day

Geometric Means:

Hydraulic Conductivity	5.452e-005 feet/day
Transmissivity	1.288e-003 ft2/day

Sensitivity Analysis:

Hydraulic Conductivity	3.143e-005 feet/day
Transmissivity	7.423e-004 ft2/day

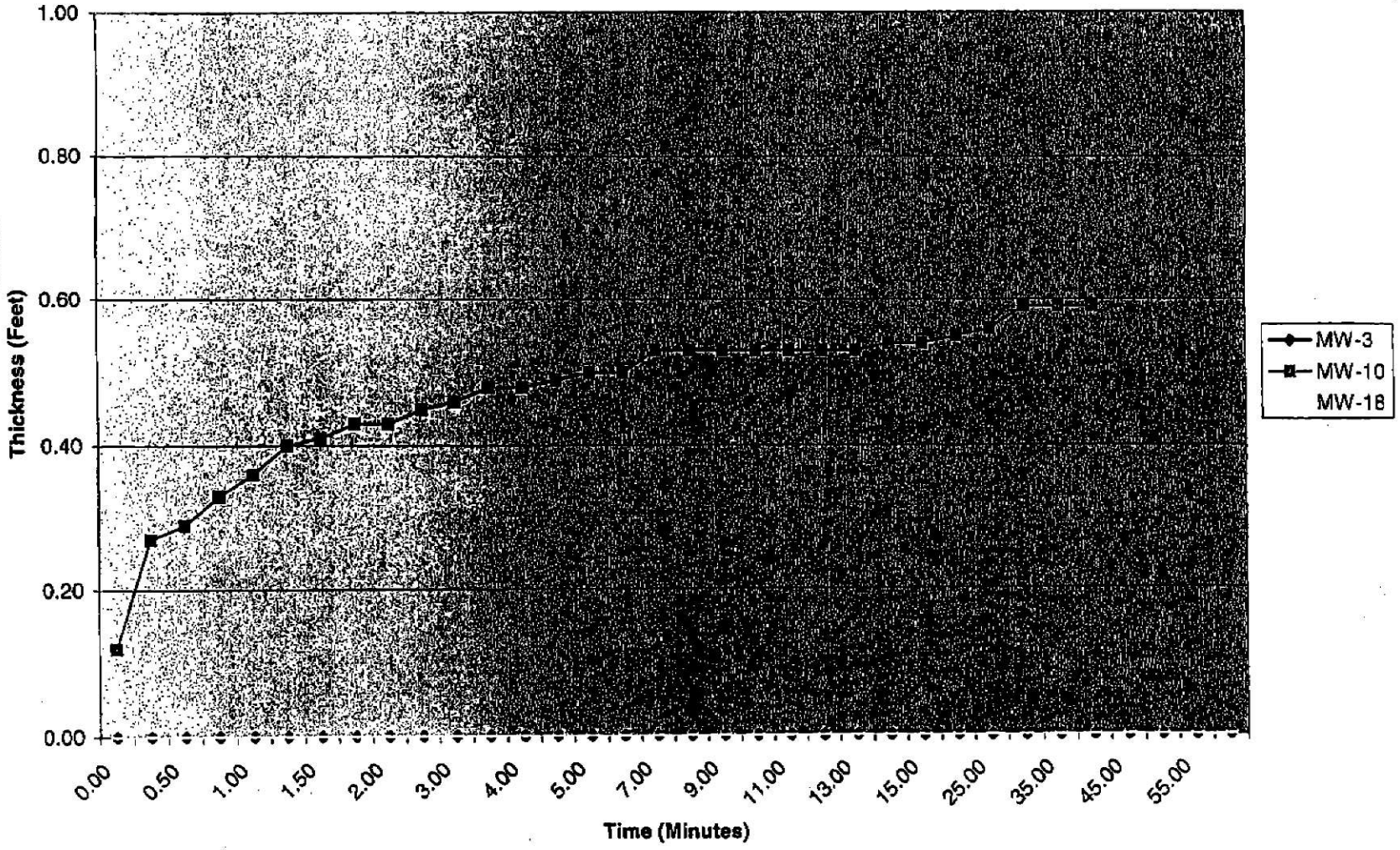
PUMP TEST FIELD DATA REPORT

PROJECT NO. C-009	PUMP GPM:	
DATE: 4/20/05	PUMPING WELL Y N	#
TEST PERFORMED BY: RR	OBSERVATION WELL (Y) N	~~MW-~~ DW-6

TIME (MIN)	WATER LEVEL (FEET)
0	64.40
0.25	64.35
0.50	64.33
0.75	64.32
1.00	64.32
1.25	64.31
1.50	64.30
1.75	64.30
2.00	64.29
2.50	64.28
3.00	64.27
3.50	64.26
4.00	64.26
4.50	64.25
5.00	64.25
6.00	64.23
7.00	64.21
8.00	64.21
9.00	64.19
10.00	64.18
11.00	64.17
12.00	64.17
13.00	64.16
14.00	64.15
15.00	64.14
20.00	64.06
25.00	63.99
30.00	63.92
35.00	63.85
40.00	63.79
45.00	63.74
50.00	63.69
55.00	63.62
60.00	63.55
75.00	63.31
90.00	63.07
105.00	62.83
120.00	62.59
150.00	62.11
180.00	61.63
210.00	
240.00	
270.00	
300.00	
330.00	
360.00	
390.00	
420.00	
450.00	
480.00	
510.00	
540.00	
570.00	
600.00	
630.00	
660.00	
690.00	
720.00	
750.00	
780.00	
840.00	
900.00	
960.00	
1020.00	
1080.00	
1140.00	
1200.00	
1260.00	
1320.00	
1380.00	
1440.00	

NOTES:

Product Recovery Test C-04-12-009



Product Recovery Test MW-3

Time	Water level	Product Level	Product Thickness
0.00	25.50	0.00	25.50
0.25	25.38	0.00	25.38
0.50	25.29	0.00	25.29
0.75	25.21	0.00	25.21
1.00	25.10	0.00	25.10
1.25	25.02	0.00	25.02
1.50	24.94	0.00	24.94
1.75	24.85	0.00	24.85
2.00	24.78	0.00	24.78
2.50	24.66	0.00	24.66
3.00	24.54	0.00	24.54
3.50	24.42	0.00	24.42
4.00	24.31	0.00	24.31
4.50	24.23	0.00	24.23
5.00	24.15	0.00	24.15
6.00	24.00	0.00	24.00
7.00	23.89	0.00	23.89
8.00	23.83	0.00	23.83
9.00	23.77	0.00	23.77
10.00	23.71	0.00	23.71
11.00	23.67	0.00	23.67
12.00	23.62	0.00	23.62
13.00	23.58	0.00	23.58
14.00	23.54	0.00	23.54
15.00	23.52	0.00	23.52
20.00	23.46	0.00	23.46
25.00	23.44	0.00	23.44
30.00	23.42	0.00	23.42
35.00	23.41	0.00	23.41
40.00	23.41	0.00	23.41
45.00	23.40	0.00	23.40
50.00	23.40	0.00	23.40
55.00	23.40	0.00	23.40
60.00	23.40	0.00	23.40

Product Recovery Test MW-10

Time	Water level	Product Level	Product Thickness
0.00	18.03	17.91	0.12
0.25	18.13	17.86	0.27
0.50	18.15	17.86	0.29
0.75	18.18	17.85	0.33
1.00	18.20	17.84	0.36
1.25	18.23	17.83	0.40
1.50	18.24	17.83	0.41
1.75	18.26	17.83	0.43
2.00	18.26	17.83	0.43
2.50	18.27	17.82	0.45
3.00	18.29	17.83	0.46
3.50	18.30	17.82	0.48
4.00	18.30	17.82	0.48
4.50	18.31	17.82	0.49
5.00	18.32	17.82	0.50
6.00	18.32	17.82	0.50
7.00	18.34	17.81	0.53
8.00	18.34	17.81	0.53
9.00	18.34	17.81	0.53
10.00	18.34	17.81	0.53
11.00	18.34	17.81	0.53
12.00	18.34	17.81	0.53
13.00	18.34	17.81	0.53
14.00	18.35	17.81	0.54
15.00	18.35	17.81	0.54
20.00	18.35	17.80	0.55
25.00	18.35	17.79	0.56
30.00	18.37	17.78	0.59
35.00	18.37	17.78	0.59
40.00	18.38	17.79	0.59

Product Recovery Test MW-18

Time	Water level	Product Level	Product Thickness
0.00	26.36	0.00	26.36
0.25	26.36	0.00	26.36
0.50	26.36	0.00	26.36
0.75	26.35	0.00	26.35
1.00	26.35	0.00	26.35
1.25	26.35	0.00	26.35
1.50	26.35	0.00	26.35
1.75	26.35	0.00	26.35
2.00	26.35	0.00	26.35
2.50	26.34	0.00	26.34
3.00	26.34	0.00	26.34
3.50	26.34	0.00	26.34
4.00	26.34	0.00	26.34
4.50	26.34	0.00	26.34
5.00	26.34	0.00	26.34
6.00	26.34	0.00	26.34
7.00	26.34	0.00	26.34
8.00	26.34	0.00	26.34
9.00	26.34	0.00	26.34
10.00	26.34	0.00	26.34
11.00	26.34	0.00	26.34
12.00	26.34	0.00	26.34
13.00	26.34	0.00	26.34
14.00	26.34	0.00	26.34
15.00	26.33	0.00	26.33
20.00	26.33	0.00	26.33
25.00	26.33	0.00	26.33
30.00	26.32	0.00	26.32
35.00	26.32	0.00	26.32
40.00	26.32	0.00	26.32
45.00	26.31	0.00	26.31
50.00	26.31	0.00	26.31
55.00	26.31	0.00	26.31
60.00	26.30	0.00	26.30

PUMP TEST FIELD DATA REPORT

PROJECT NO.: C-009		PUMP GPM:	
DATE: 4/19/05		PUMPING WELL Y N	#
TEST PERFORMED BY: RR		OBSERVATION WELL (Y) N	# MW-3

H_2O / Product

TIME (MIN)	WATER LEVEL (FEET)
0	25.50
0.25	25.38
0.50	25.29
0.75	25.21
1.00	25.10
1.25	25.02
1.50	24.94
1.75	24.85
2.00	24.76
2.50	24.66
3.00	24.59
3.50	24.42
4.00	24.31
4.50	24.23
5.00	24.15
6.00	24.06
7.00	23.89
8.00	23.83
9.00	~~23.71~~ 23.77
10.00	23.71
11.00	23.67
12.00	23.62
13.00	23.58
14.00	23.54
15.00	23.52
20.00	23.46
25.00	23.44
30.00	23.42
35.00	23.41
40.00	23.41
45.00	23.40
50.00	~~23.40~~ 23.40
55.00	23.40
60.00	23.40
75.00	
90.00	
105.00	
120.00	
150.00	
180.00	
210.00	
240.00	
270.00	
300.00	
330.00	
360.00	
390.00	
420.00	
450.00	
480.00	
510.00	
540.00	
570.00	
600.00	
630.00	
660.00	
690.00	
720.00	
750.00	
780.00	
840.00	
900.00	
960.00	
1020.00	
1080.00	
1140.00	
1200.00	
1260.00	
1320.00	
1380.00	
1440.00	

NOTES:

LPH 23.70 WPH 24.13

PUMP TEST FIELD DATA REPORT

PROJECT NO.: C-009		PUMP GPM:	
DATE: 4/19/05		PUMPING WELL Y N	#
TEST PERFORMED BY: RR		OBSERVATION WELL Y N	#MW-10

TIME (MIN)	WATER LEVEL (FEET)						
0	18.03/17.91	8.00	18.34/17.81	90.00		600.00	
0.25	18.13/17.86	9.00	18.34/17.81	105.00		630.00	
0.50	18.15/17.86	10.00	18.34/17.81	120.00		660.00	
0.75	18.18/17.85	11.00	18.34/17.81	150.00		690.00	
1.00	18.20/17.84	12.00	18.34/17.81	180.00		720.00	
1.25	18.23/17.83	13.00	18.34/17.81	210.00		750.00	
1.50	18.24/17.83	14.00	18.35/17.81	240.00		780.00	
1.75	18.26/17.83	15.00	18.35/17.81	270.00		840.00	
2.00	18.26/17.83	20.00	18.35/17.80	300.00		900.00	
2.50	18.27/17.82	25.00	18.35/17.79	330.00		960.00	
3.00	18.29/17.83	30.00	18.37/17.78	360.00		1020.00	
3.50	18.30/17.82	35.00	18.37/17.78	390.00		1080.00	
4.00	18.30/17.82	40.00	18.38/17.79	420.00		1140.00	
4.50	18.31/17.82	45.00		450.00		1200.00	
5.00	18.32/17.82	50.00		480.00		1260.00	
6.00	18.32/17.82	55.00		510.00		1320.00	
7.00	18.34/17.81	60.00		540.00		1380.00	
		75.00		570.00		1440.00	

NOTES:

LPH 17.73 Hrs 15.52

PUMP TEST FIELD DATA REPORT

PROJECT NO.: C-008		PUMP GPM:	
DATE: 4/19/05		PUMPING WELL Y N	#
TEST PERFORMED BY: RR		OBSERVATION WELL Y N	#MW-18

TIME (MIN)	WATER LEVEL (FEET) Product
0	26.36
0.25	26.36
0.50	26.36
0.75	26.35
1.00	26.35
1.25	26.35
1.50	26.35
1.75	26.35
2.00	26.35
2.50	26.34
3.00	26.34
3.50	
4.00	
4.50	
5.00	
6.00	
7.00	

8.00	26.34
9.00	
10.00	
11.00	
12.00	
13.00	
14.00	
15.00	26.33
20.00	26.33
25.00	26.33
30.00	26.32
35.00	26.32
40.00	26.32
45.00	26.31
50.00	26.31
55.00	26.31
60.00	26.30
75.00	

90.00	
105.00	
120.00	
150.00	
180.00	
210.00	
240.00	
270.00	
300.00	
330.00	
360.00	
390.00	
420.00	
450.00	
480.00	
510.00	
540.00	
570.00	

600.00	
630.00	
660.00	
690.00	
720.00	
750.00	
780.00	
840.00	
900.00	
960.00	
1020.00	
1080.00	
1140.00	
1200.00	
1260.00	
1320.00	
1380.00	
1440.00	

NOTES:

GPM 26.26 H_2O 26.25

FREE PRODUCT RECOVERY REPORT

DATE OF EVENT:

01/29/93

FACILITY: Cloud's Chevron - Columbia, SC

GWPD SITE ID# / COUNTY: 12352 / Richland

GWPD PROJECT MANAGER: Oliver Jones

Date free product released (if known):	N/A
Type of free product (if known) released (e.g. diesel, gasoline):	diesel, gasoline, kerosene
Estimated quantity of free product released (if known):	N/A
Number of monitoring wells at site:	5
Number of monitoring wells containing free product:	1
Total number of recovery events to date:	2
Gallons of total fluids recovered (purgewater and free product):	0.75 (this event)
	1.5 (cumulative)
Method of removal (e.g. bailer, vacuum pump):	bailer
Frequency of removal (e.g. weekly, monthly):	monthly
Method of containment (e.g. drum, tank):	drum
Are purgewater and free product contained separately?:	no
If no, total number of drums/tanks:	1
Total # of drums/tanks containing FP/water mixture:	1
Status of FP/water mixture (e.g. stored on-site, removed):	stored on-site

Monitoring Wells containing free product (measurements in feet):

MW-3 / 0.73	____ / ____	____ / ____	____ / ____
____ / ____	____ / ____	____ / ____	____ / ____

Miscellaneous information not directly requested:

FREE PRODUCT RECOVERY REPORT

DATE OF EVENT:
12/16/92

FACILITY: Cloud's Chevron - Columbia, SC

GWPD SITE ID# / COUNTY: 12352 / Richland

GWPD PROJECT MANAGER: Oliver Jones

Date free product released (if known):	N/A
Type of free product (if known) released (e.g. diesel, gasoline):	diesel, gasoline, kerosene
Estimated quantity of free product released (if known):	N/A
Number of monitoring wells at site:	4
Number of monitoring wells containing free product:	1
Total number of recovery events to date:	1
Gallons of total fluids recovered (purgewater and free product):	0.75 (this event)
	0.75 (cumulative)
Method of removal (e.g. bailer, vacuum pump):	bailer
Frequency of removal (e.g. weekly, monthly):	monthly
Method of containment (e.g. drum, tank):	drum
Are purgewater and free product contained separately?:	no
If no, total number of drums/tanks:	1
Total # of drums/tanks containing FP/water mixture:	1
Status of FP/water mixture (e.g. stored on-site, removed):	stored on-site

Monitoring Wells containing free product (measurements in feet):

MW-3 / 0.69	____ / ____	____ / ____	____ / ____
____ / ____	____ / ____	____ / ____	____ / ____

Miscellaneous information not directly requested:

FREE PRODUCT RECOVERY REPORT

DATE OF EVENT:

02/23/93

FACILITY: Cloud's Chevron - Columbia, SC

GWPD SITE ID# / COUNTY: 12352 / Richland

GWPD PROJECT MANAGER: Oliver Jones

Date free product released (if known): N/A

Type of free product (if known) released (e.g. diesel, gasoline): diesel, gasoline, kerosene

Estimated quantity of free product released (if known): N/A

Number of monitoring wells at site: 5

Number of monitoring wells containing free product: 1

Total number of recovery events to date: 3

Gallons of total fluids recovered (purgewater and free product): 0.75 (this event)

2.25 (cumulative)

Method of removal (e.g. bailer, vacuum pump): bailer

Frequency of removal (e.g. weekly, monthly): monthly

Method of containment (e.g. drum, tank): drum

Are purgewater and free product contained separately?: no

If no, total number of drums/tanks: 1

Total # of drums/tanks containing FP/water mixture: 1

Status of FP/water mixture (e.g. stored on-site, removed): stored on-site

Monitoring Wells containing free product (measurements in feet):

MW-3 / 0.58	____ / ____	____ / ____	____ / ____
____ / ____	____ / ____	____ / ____	____ / ____

Miscellaneous information not directly requested:

FREE PRODUCT RECOVERY REPORT

DATE OF EVENT:

03/11/93

FACILITY: Cloud's Chevron - Columbia, SC

GWPD SITE ID# / COUNTY: 12352 / Richland

GWPD PROJECT MANAGER: Oliver Jones

Date free product released (if known): N/A

Type of free product (if known) released (e.g. diesel, gasoline): diesel, gasoline, kerosene

Estimated quantity of free product released (if known): N/A

Number of monitoring wells at site: 5

Number of monitoring wells containing free product: 1

Total number of recovery events to date: 4

Gallons of total fluids recovered (purgewater and free product): 0.75 (this event)

3.0 (cumulative)

Method of removal (e.g. bailer, vacuum pump): bailer

Frequency of removal (e.g. weekly, monthly): monthly

Method of containment (e.g. drum, tank): drum

Are purgewater and free product contained separately?: no

If no, total number of drums/tanks: 1

Total # of drums/tanks containing FP/water mixture: 1

Status of FP/water mixture (e.g. stored on-site, removed): stored on-site

Monitoring Wells containing free product (measurements in feet):

MW-3 / 0.81	____ / ____	____ / ____	____ / ____
____ / ____	____ / ____	____ / ____	____ / ____

Miscellaneous information not directly requested:

FREE PRODUCT RECOVERY REPORT

DATE OF EVENT:

04/12/93

FACILITY: Cloud's Chevron - Columbia, SC

GWPD SITE ID# / COUNTY: 12352 / Richland

GWPD PROJECT MANAGER: Oliver Jones

Date free product released (if known): N/A

Type of free product (if known) released (e.g. diesel, gasoline): diesel, gasoline, kerosene

Estimated quantity of free product released (if known): N/A

Number of monitoring wells at site: 5 shallow + 1 deep

Number of monitoring wells containing free product: 1

Total number of recovery events to date: 5

Gallons of total fluids recovered (purgewater and free product): 0.75 (this event)

3.75 (cumulative)

Method of removal (e.g. bailer, vacuum pump): bailer

Frequency of removal (e.g. weekly, monthly): monthly

Method of containment (e.g. drum, tank): drum

Are purgewater and free product contained separately?: no

If no, total number of drums/tanks: 1

Total # of drums/tanks containing FP/water mixture: 1

Status of FP/water mixture (e.g. stored on-site, removed): stored on-site

Monitoring Wells containing free product (measurements in feet):

MW-3 / 0.76	____ / ____	____ / ____	____ / ____
____ / ____	____ / ____	____ / ____	____ / ____

Miscellaneous information not directly requested:

FREE PRODUCT RECOVERY REPORT

DATE OF EVENT:

05/12/93

FACILITY: Cloud's Chevron - Columbia, SC

GWPD SITE ID# / COUNTY: 12352 / Richland

GWPD PROJECT MANAGER: Oliver Jones

Date free product released (if known):	N/A
Type of free product (if known) released (e.g. diesel, gasoline):	diesel, gasoline, kerosene
Estimated quantity of free product released (if known):	N/A
Number of monitoring wells at site:	5 shallow + 1 deep
Number of monitoring wells containing free product:	1
Total number of recovery events to date:	6
Gallons of total fluids recovered (purgewater and free product):	0.75 (this event)
	4.5 (cumulative)
Method of removal (e.g. bailer, vacuum pump):	bailer
Frequency of removal (e.g. weekly, monthly):	monthly
Method of containment (e.g. drum, tank):	drum
Are purgewater and free product contained separately?:	no
If no, total number of drums/tanks:	1
Total # of drums/tanks containing FP/water mixture:	1
Status of FP/water mixture (e.g. stored on-site, removed):	stored on-site

Monitoring Wells containing free product (measurements in feet):

MW-3 / 0.95	/	/	/
/	/	/	/

Miscellaneous information not directly requested:

FREE PRODUCT RECOVERY REPORT

DATE OF EVENT:
06/11/93

FACILITY: Cloud's Chevron - Columbia, SC

GWPD SITE ID# / COUNTY: 12352 / Richland

GWPD PROJECT MANAGER: Oliver Jones

Date free product released (if known):	N/A
Type of free product (if known) released (e.g. diesel, gasoline):	diesel, gasoline, kerosene
Estimated quantity of free product released (if known):	N/A
Number of monitoring wells at site:	5 shallow + 1 deep
Number of monitoring wells containing free product:	1
Total number of recovery events to date:	7
Gallons of total fluids recovered (purgewater and free product):	0.75 (this event)
	5.25 (cumulative)
Method of removal (e.g. bailer, vacuum pump):	bailer
Frequency of removal (e.g. weekly, monthly):	monthly
Method of containment (e.g. drum, tank):	drum
Are purgewater and free product contained separately?:	no
If no, total number of drums/tanks:	1
Total # of drums/tanks containing FP/water mixture:	1
Status of FP/water mixture (e.g. stored on-site, removed):	stored on-site

Monitoring Wells containing free product (measurements in feet):

MW-3 / 1.37	____ / ____	____ / ____	____ / ____
____ / ____	____ / ____	____ / ____	____ / ____

Miscellaneous information not directly requested:

FREE PRODUCT RECOVERY REPORT

DATE OF EVENT:

07/08/93

FACILITY: Cloud's Chevron - Columbia, SC

GWPD SITE ID# / COUNTY: 12352 / Richland

GWPD PROJECT MANAGER: Oliver Jones

Date free product released (if known): N/A

Type of free product (if known) released (e.g. diesel, gasoline): diesel, gasoline, kerosene

Estimated quantity of free product released (if known): N/A

Number of monitoring wells at site: 5 shallow + 1 deep

Number of monitoring wells containing free product: 1

Total number of recovery events to date: 8

Gallons of total fluids recovered (purgewater and free product): 0.75 (this event)

6.0 (cumulative)

Method of removal (e.g. bailer, vacuum pump): bailer

Frequency of removal (e.g. weekly, monthly): monthly

Method of containment (e.g. drum, tank): drum

Are purgewater and free product contained separately?: no

If no, total number of drums/tanks: 1

Total # of drums/tanks containing FP/water mixture: 1

Status of FP/water mixture (e.g. stored on-site, removed): stored on-site

Monitoring Wells containing free product (measurements in feet):

MW-3 / 0.75	____ / ____	____ / ____	____ / ____
____ / ____	____ / ____	____ / ____	____ / ____

Miscellaneous information not directly requested:

FREE PRODUCT RECOVERY REPORT

DATE OF EVENT:

08/12/93

FACILITY: Cloud's Chevron - Columbia, SC

GWPD SITE ID# / COUNTY: 12352 / Richland

GWPD PROJECT MANAGER: Oliver Jones

Date free product released (if known):	N/A
Type of free product (if known) released (e.g. diesel, gasoline):	diesel, gasoline, kerosene
Estimated quantity of free product released (if known):	N/A
Number of monitoring wells at site:	5 shallow + 1 deep
Number of monitoring wells containing free product:	1
Total number of recovery events to date:	9
Gallons of total fluids recovered (purgewater and free product):	0.25 (this event)
	6.25 (cumulative)

Method of removal (e.g. bailer, vacuum pump):	bailer
Frequency of removal (e.g. weekly, monthly):	monthly
Method of containment (e.g. drum, tank):	drum
Are purgewater and free product contained separately?:	no
If no, total number of drums/tanks:	1
Total # of drums/tanks containing FP/water mixture:	1
Status of FP/water mixture (e.g. stored on-site, removed):	stored on-site

Monitoring Wells containing free product (measurements in feet):

MW-3 / 0.37	____ / ____	____ / ____	____ / ____
____ / ____	____ / ____	____ / ____	____ / ____

Miscellaneous information not directly requested:

FREE PRODUCT RECOVERY REPORT

DATE OF EVENT:

09/08/93

FACILITY: Cloud's Chevron - Columbia, SC

GWPD SITE ID# / COUNTY: 12352 / Richland

GWPD PROJECT MANAGER: Oliver Jones

Date free product released (if known):	N/A
Type of free product (if known) released (e.g. diesel, gasoline):	diesel, gasoline, kerosene
Estimated quantity of free product released (if known):	N/A
Number of monitoring wells at site:	5 shallow + 1 deep
Number of monitoring wells containing free product:	1
Total number of recovery events to date:	10
Gallons of total fluids recovered (purgewater and free product):	0.004 (this event)
	6.25 (cumulative)
Method of removal (e.g. bailer, vacuum pump):	bailer
Frequency of removal (e.g. weekly, monthly):	monthly
Method of containment (e.g. drum, tank):	drum
Are purgewater and free product contained separately?:	no
If no, total number of drums/tanks:	1
Total # of drums/tanks containing FP/water mixture:	1
Status of FP/water mixture (e.g. stored on-site, removed):	stored on-site

Monitoring Wells containing free product (measurements in feet):

MW-3 / 0.26	/	/	/
/	/	/	/

Miscellaneous information not directly requested:

FREE PRODUCT RECOVERY REPORT

DATE OF EVENT:

10/06/93

FACILITY: Cloud's Chevron - Columbia, SC

GWPD SITE ID# / COUNTY: 12352 / Richland

GWPD PROJECT MANAGER: Oliver Jones

Date free product released (if known):	N/A
Type of free product (if known) released (e.g. diesel, gasoline):	diesel, gasoline, kerosene
Estimated quantity of free product released (if known):	N/A
Number of monitoring wells at site:	9 shallow + 1 deep
Number of monitoring wells containing free product:	1
Total number of recovery events to date:	11
Gallons of total fluids recovered (purgewater and free product):	0.00 (sheen) (this event)
	6.25 (cumulative)
Method of removal (e.g. bailer, vacuum pump):	bailer
Frequency of removal (e.g. weekly, monthly):	monthly
Method of containment (e.g. drum, tank):	drum
Are purgewater and free product contained separately?:	no
If no, total number of drums/tanks:	1
Total # of drums/tanks containing FP/water mixture:	1
Status of FP/water mixture (e.g. stored on-site, removed):	stored on-site

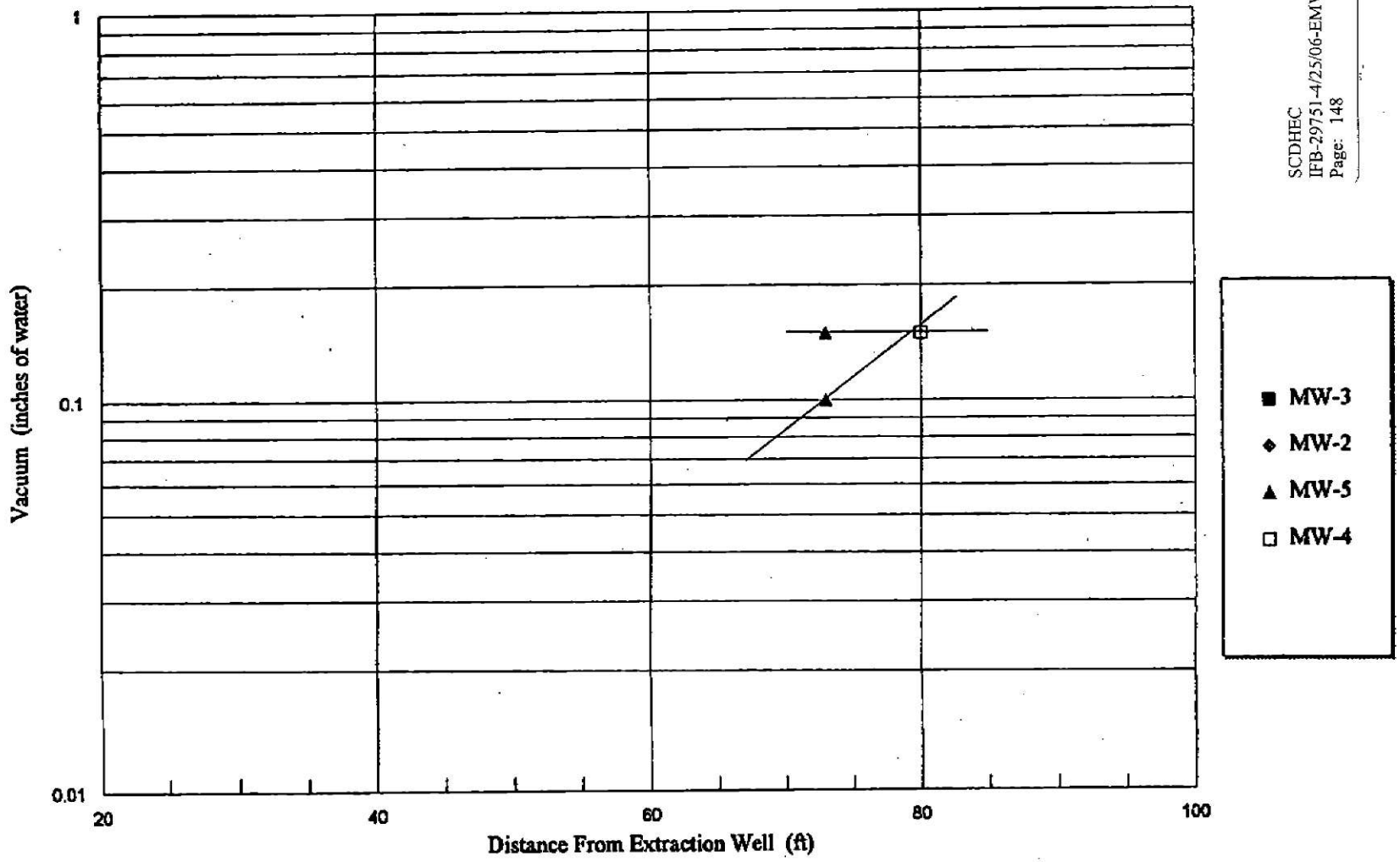
Monitoring Wells containing free product (measurements in feet):

MW-3 / 0.09	/	/	/
/	/	/	/

Miscellaneous information not directly requested:

Soil Vapor Extraction Data

Handy Pantry Facility, Two Notch, Columbia, S.C.



SCDHEC
IFB-29751-4/25/06-EMW
Page: 148

Estimate of Hydrocarbon Vapor Removal Rate
Handy Pantry Facility, Two Notch & Taylor Streets
Columbia, South Carolina

{adjusted from API Pub. No. 4410, Sept 1985}

$$Vr\ \{lb/hr\} = (Vc\ \{mg/m^3\})\ (2.2 \times 10^{-6}\ lb/mg)\ (Q\{cfm\})\ (28.3 \times 10^{-3}\ m^3/cfm)\ (60\ m/hr)$$

Where: Vr = Volatile Organics Removal Rate in pounds per hour
Vc = Total Volatile Petroleum Hydrocarbons in mg per cubic meter
Q = Air Flow Rate in cubic feet per min

$$Q = ((F\{ft/min\})\ (r\{ft\})(r\{ft\})(3.1416))\ (60\{min\})$$

Where: F = Air Velocity in feet per minute
R = Radius of Vacuum Extraction Equipment Pipe

Air Velocity = F = 500
Diameter of SVE Pipe = 0.17
R = 0.08333
Q = 654.50

Vc = 0.2

Calculated Removal Rate

Vr = 0.0005 lb/hr
Vr = 0.01 lb/day

Estimate of Hydrocarbon Vapor Removal Rate
Handy Pantry Facility, Two Notch & Taylor Streets
Columbia, South Carolina

{adjusted from API Pub. No. 4410, Sept 1985}

$$Vr\ \{lb/hr\} = (Vc\ \{mg/m^3\})\ (2.2 \times 10^{-6}\ lb/mg)\ (Q\{cfm\})\ (28.3 \times 10^{-3}\ m^3/cfm)\ (60\ m/hr)$$

Where: Vr = Volatile Organics Removal Rate in pounds per hour
Vc = Total Volatile Petroleum Hydrocarbons in mg per cubic meter
Q = Air Flow Rate in cubic feet per min

$$Q = ((F\{ft/min\})\ (r\{ft\})(r\{ft\})(3.1416))\ (60\{min\})$$

Where: F = Air Velocity in feet per minute
R = Radius of Vacuum Extraction Equipment Pipe

Air Velocity = F = 700
Diameter of SVE Pipe = 0.17 R = 0.08333
Q = 916.30

Vc = 1.7

Calculated Removal Rate

Vr =	0.0058	lb/hr
Vr =	0.14	lb/day

Estimate of Hydrocarbon Vapor Removal Rate
Handy Pantry Facility, Two Notch & Taylor Streets
Columbia, South Carolina

{adjusted from API Pub. No. 4410, Sept 1985}

$Vr\ \{lb/hr\} = (Vc\ \{mg/m^3\})\ (2.2x10^{-6}\ lb/mg)\ (Q\{cfm\})\ (28.3x10^{3}\ m^3/cfm)\ (60\ m/hr)$

Where: Vr = Volatile Organics Removal Rate in pounds per hour
Vc = Total Volatile Petroleum Hydrocarbons in mg per cubic meter
Q = Air Flow Rate in cubic feet per min

$Q = ((F\{ft/min\})\ (r\{ft\})(r\{ft\})(3.1416))\ (60\{min\})$

Where: F = Air Velocity in feet per minute
R = Radius of Vacuum Extraction Equipment Pipe

Air Velocity = F = 900
Diameter of SVE Pipe = 0.17
R = 0.08333
Q = 1178.10

Vc = 1.6

Calculated Removal Rate

Vr =	0.007	lb/hr
Vr =	0.17	lb/day

Estimate of Hydrocarbon Vapor Removal Rate
Handy Pantry Facility, Two Notch & Taylor Streets
Columbia, South Carolina

{adjusted from API Pub. No. 4410, Sept 1985}

$$Vr\ \{lb/hr\} = (Vc\ \{mg/m^3\})\ (2.2 \times 10^{-6}\ lb/mg)\ (Q\{cfm\})\ (28.3 \times 10^{-3}\ m^3/cfm)\ (60\ m/hr)$$

Where: Vr = Volatile Organics Removal Rate in pounds per hour
Vc = Total Volatile Petroleum Hydrocarbons in mg per cubic meter
Q = Air Flow Rate in cubic feet per min

$$Q = ((F\{ft/min\})\ (r\{ft\})(r\{ft\})(3.1416))\ (60\{min\})$$

Where: F = Air Velocity in feet per minute
R = Radius of Vacuum Extraction Equipment Pipe

Air Velocity = F = 1300
Diameter of SVE Pipe = 0.17 R = 0.08333
Q = 1701.70

Vc = 8.1

Calculated Removal Rate

Vr = 0.0515 lb/hr
Vr = 1.24 lb/day

D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

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MAY 09 2006

UNDERGROUND STORAGE TANK PROGRAM

Purchase Order

PURCHASE ORDER NO.	REVISION	PAGE
632354	0	1 of 2

THIS PURCHASE ORDER NO. MUST APPEAR ON ALL INVOICES, PACKING LISTS, CARTONS AND CORRESPONDENCE RELATED TO THIS ORDER.

SHIP TO:
UST MANAGEMENT
SC DHEC
2600 BULL STREET
COLUMBIA, SC 29201-1708
United States

BILL TO:
UST MANAGEMENT
SC DHEC
2600 BULL STREET
COLUMBIA, SC 29201-1708
United States

VENDOR: PALMETTO ENVIRONMENTAL GROUP INC
PO BOX 427
ELGIN, SC 29045

CUSTOMER ACCOUNT NO.	VENDOR NO.	DATE OF ORDER/BUYER	REVISED DATE / BUYER
	30296	08-MAY-06 WINSLOW, E	
PAYMENT TERMS		SHIP VIA	F.O.B.
NET 30			Destination
FREIGHT TERMS		REQUESTOR/DELIVER TO	CONFIRM TO / TELEPHONE
Prepaid		PACE, Ms. LAURA J	

ITEM	PART NUMBER / DESCRIPTION	DELIVERY DATE	QUANTITY	UNIT	UNIT PRICE	EXTENSION	
	Buyer: E. Madison Winslow, (803) 898-3487						
	DHEC Project Manager: Susan E. Block, (803) 896-6676						
	Contractor Contact: James L. Cooper, (803) 438-1331						
	Price per IFB-29751-4/25/06-EMW, signed by James L. Cooper on 4/24/06.						
	ALL TERMS AND CONDITIONS OF THE SOLICITATION DO APPLY.						
	SEE REVERSE SIDE OF PURCHASE ORDER FOR ADDITIONAL TERMS AND CONDITIONS THAT APPLY.						
	PLEASE NOTE THAT PER SPECIAL CONDITION 14, THE ORIGINAL PERFORMANCE BOND OR IRREVOCABLE LETTER OF CREDIT MUST BE SUBMITTED TO THE UST PROGRAM WITHIN 30 DAYS OF THE DATE OF AWARD.						
	UST PROGRAM DOCKETING # 56 Tech						
	Planned Purchase Order Effective From: 08-MAY-06 To:						
1	918.43 Corrective action at site #07584	*********	US D		1	309,750.00	N
	Payments through cost proposal method of expenses incurred in remediation of release from underground storage tanks as provided under Section 44-2-130 SC Code of Laws (SUPERB Act).						
	Contract total cost: $619,500.00						

BY ACCEPTANCE OF THIS PURCHASE ORDER, YOU AGREE TO THE TERMS AND CONDITIONS LOCATED ON THE REVERSE PAGE.

Purchase Order

Total Continued

E. Madison Wins WMW

AUTHORIZED SIGNATURE

DHEC 0109 (01/01)

See Reverse for Terms & Conditions

D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

RECEIVED

MAY 09 2006

UNDERGROUND STORAGE TANK PROGRAM

Purchase Order

PURCHASE ORDER NO.	REVISION	PAGE
632354	0	2 of 2

THIS PURCHASE ORDER NO. MUST APPEAR ON ALL INVOICES, PACKING LISTS, CARTONS AND CORRESPONDENCE RELATED TO THIS ORDER

SHIP TO:
UST MANAGEMENT
SC DHEC
2600 BULL STREET
COLUMBIA, SC 29201-1708
United States

BILL TO:
UST MANAGEMENT
SC DHEC
2600 BULL STREET
COLUMBIA, SC 29201-1708
United States

VENDOR: PALMETTO ENVIRONMENTAL GROUP INC
PO BOX 427
ELGIN, SC 29045

CUSTOMER ACCOUNT NO.	VENDOR NO.	DATE OF ORDER/BUYER	REVISED DATE / BUYER
	30296	08-MAY-06 WINSLOW, E	
PAYMENT TERMS		SHIP VIA	F.O.B.
NET 30			Destination
FREIGHT TERMS		REQUESTOR/DELIVER TO	CONFIRM TO / TELEPHONE
Prepaid		PACE, Ms. LAURA J	

ITEM	PART NUMBER / DESCRIPTION	DELIVERY DATE	QUANTITY	UNIT	UNIT PRICE	EXTENSION

THIS CONTRACT WILL CONTINUE UNTIL THE SITE REHABILITATION ACTIVITY AS DESCRIBED IN THE SOLICITATION HAS BEEN COMPLETED; PROVIDED, HOWEVER, THAT COMMITTED FUNDS FOR THE SITE REHABILITATION ACTIVITY UNDER THIS CONTRACT REVERT TO UNCOMMITTED STATUS AFTER FOUR MONTHS OF THE DATE OF THE CONTRACT AWARD IF NO INVOICE FOR THE SITE REHABILITATION ACTIVITIES HAVE BEEN RECEIVED BY THE DEPARTMENT, PURSUANT TO SC CODE 44-2-40(B)(1976), AS AMENDED. IF THE FUNDS REVERT TO UNCOMMITTED STATUS, ANY SUBSEQUENT INVOICE WILL NOT BE PROCESSED FOR PAYMENT UNTIL ALL OTHER COMMITTED FUNDS ARE PAID OR MONEY BECOMES AVAILABLE.

BY ACCEPTANCE OF THIS PURCHASE ORDER, YOU AGREE TO THE TERMS AND CONDITIONS LOCATED ON THE REVERSE PAGE.

Total 309,750.00

AUTHORIZED SIGNATURE

Purchase Order

See Reverse for Terms & Conditions

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health
and Environmental Control

UNDERGROUND STORAGE TANK PROGRAM
BUREAU OF LAND AND WASTE MANAGEMENT
2600 Bull Street
Columbia, SC 29201
Telephone (803) 896-6240

MEMORANDUM

Date: May 3, 2006

To: Matt Winslow
Bureau of Business Management

From: Laura Jean Pace, CGFO, CPM, Manager
Financial Section

Subject: Bid Award, IFB-29751-4/25/06-EMW
UST Permit # 07584, University Mart, Release 1; PO # R-29751
UST Permit # 07584, University Mart, Release 2; PO # R-29751
UST Permit # 07777, Clouds Chevron; PO # R-29752
UST Permit # 12352, Clouds Chevron; PO # R-29753

This Program has reviewed the submittals received April 26, 2006 for the referenced bid. As the proposed corrective action methodology can be permitted in South Carolina and the estimated time frame is protective of human health, the low bid submitted by Palmetto Environmental Group, Inc. is acceptable. The UST Program recommends immediate award to Palmetto Environmental Group, Inc.

Purchase order PO # R-29751 should be generated for one half of the accepted bid award amount, $309,750.00. Please note, the full amount of the bid award ($619,500.00) should be noted in the body of the generated purchase order.

Purchase order PO # R-29752 should be generated for one half of the accepted bid award amount, $154,875.00. Please note, the full amount of the bid award ($309,750.00) should be noted in the body of the generated purchase order.

Purchase order PO # R-29753 should be generated for one half of the accepted bid award amount, $154,875.00. Please note, the full amount of the bid award ($309,750.00) should be noted in the body of the generated purchase order.

The purchase orders should reference the corresponding facility indicated above. Please provide me a copy of the purchase orders.

cc: Christopher S. Doll, P.G., Manager, NESCCA Section
Susan Block, NESCCA Section
Technical File

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health
and Environmental Control

BUREAU OF
BUSINESS MANAGEMENT
DIVISION OF PROCUREMENT SERVICES
2600 Bull Street
Columbia, SC 29201-1708
Telephone (803) 898-3501 Fax (803) 898-3505
April 25, 2006

TO: Laura Pace

FROM: Matt Winslow
Division of Procurement Services
SC Department of Health and Environmental Control

SUBJECT: IFB-29751-4/25/06-EMW

The bidding has been completed on this solicitation. I am enclosing copies of the bids for your review. The anticipated date for posting the award is May 3, 2006. Please call or e-mail me with any questions or comments. Thanks!

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APR 26 2006
UNDERGROUND STORAGE
TANK PROGRAM

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UNDERGROUND STORAGE
TANK PROGRAM

UST BID SHEET

SOUTH CAROLINA
DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL

SOLICITATION NUMBER: IFB- 29751

PROCUREMENT OFFICER: E. Madison Smyth

OPENING/CLOSING DATE: 4-25-06

BID CLERK: Dina Brazell

TIME: 2:30 pm

DATE AWARD WILL BE POSTED: 5/3/06

COMPANY NAME					
Dick Environmental	1,659,442				
Palmetto Environmental	1,239,000				
WPC	1,499,900				

Revised 02/11/00 JSS

D H E C PROMOTE PROTECT PROSPER	**South Carolina Department of Health and Environmental Control** **Division of Procurement Services** **Invitation for Bid**	Solicitation No.: IFB-29751-4/25/06-EMW Date Issued: 3/14/06 Procurement Officer: E. Madison Winslow Phone No.: (803) 898-3487 E-mail Address: winsloem@dhec.sc.gov

DESCRIPTION: Corrective action for petroleum release – Multiple permits, Columbia, SC

The Term "Offer" Means Your "Bid" or "Proposal"

SUBMIT OFFER BY (Opening Date/Time): **April 25, 2006/2:30 pm E.T.** See provision entitled "Deadline for Submission of Offer"

NUMBER OF COPIES TO BE SUBMITTED: **One (1) original**

QUESTIONS MUST BE RECEIVED BY: **April 17, 2006/5:00 p.m. E.T.** See provision entitled "Questions from Offerors"

SUBMIT YOUR SEALED OFFER TO EITHER OF THE FOLLOWING ADDRESSES:

MAILING ADDRESS:	PHYSICAL ADDRESS:
SC DHEC Division of Procurement Services Bureau of Business Management 2600 Bull Street Columbia, S.C. 29201	SC DHEC Division of Procurement Services Bureau of Business Management 2600 Bull Street, Room 1200 – Aycock Bldg. Columbia, S. C. 29201

Offers Must Be Sealed: See provision entitled "Submitting Your Offer"

AWARD & AMENDMENTS	Award will be posted on **May 1, 2006**. The award, this solicitation, and any amendments will be posted at the following web address: http://www.scdhec.net/procurement.

You must submit a signed copy of this form with your offer. By submitting a bid or proposal, you agree to be bound by the terms of the solicitation. You agree to hold your offer open for a minimum of thirty (30) calendar days after the opening date.

NAME OF OFFEROR (Full legal name of business submitting the offer): Palmetto Environmental Group, Inc.

AUTHORIZED SIGNATURE: James L Cooper
(Person signing must be authorized to submit binding offer to enter contract on behalf of Offeror named above.)

TITLE: President (Business title of person signing above)

PRINTED NAME (Printed name of person signing above): JAMES L. COOPER

DATE: 4/24/2006

OFFEROR'S TYPE OF ENTITY: (Check one)

- ☐ Sole Proprietorship
- ☐ Partnership
- ☐ Corporation (tax-exempt)
- ☑ Corporate entity (not tax-exempt)
- ☐ Government entity (federal, state, or local)
- ☐ Other

(See provision entitled "Signing Your Offer")

Instructions regarding offeror's name: Any award issued will be issued to, and the contract will be formed with, the entity identified as the offeror above. An offer may be submitted by only one legal entity. The entity named as the offeror must be a single and distinct legal entity. Do not use the name of a branch office or a division of a larger entity if the branch or division is not a separate legal entity, *i.e.*, a separate corporation, partnership, sole proprietorship, etc.

OFFEROR'S HOME OFFICE ADDRESS (Address for the offeror's principal place of business): P.O Box 427

CITY	STATE	ZIP CODE
Elgin	SC	29045

PHONE	FACSIMILE	E-MAIL
(803) 438-1331	(803) 438-1331	SlobsBy@bellsouth.net

STATE OF INCORPORATION: SC (If offeror is a corporation, identify the state of incorporation)

TAXPAYER IDENTIFICATION NO.: 57-1102894 (See provision entitled Taxpayer Identification Number)

RECEIVED
APR. 26 2006
UNDERGROUND STORAGE TANK PROGRAM

IV. BID AWARD

A. ACCEPTANCE and DELIVERY STATEMENT

In compliance with the solicitation and subject to all conditions thereof, the offeror agrees, if this bid is accepted within 60 days from date of opening, to complete the corrective action as specified at the prices set forth for all sites as stated below.

For the purpose of this submittal and acceptance of financial approval should it occur, I certify that this company understands the nature of the releases and the geologic conditions at these sites as documented in the technical files and this solicitation. **Any quantities listed in the corrective action method(s) below are estimates and changes to those quantities or to the listed method(s) will not affect the bid price.** Additionally, I certify that this company understands that acceptance is based on total cost to treat the areas of concern.

PALMETTO ENV. GROUP, INC Certification No. 260
Contractor (Print)

JAMES L. COOPER
Authorized Representative (Print)

James L Cooper
Signature

B. CORRECTIVE ACTION SOLICITATION RESPONSE

Please respond to the following questions. :

SITE A -Handy Pantry # 65, (UST Permit #07584), 2367 Taylor St., Columbia, South Carolina. Cloud's Chevron, (UST Permit #07777 & 12352), 1600 Two Notch Rd., Columbia, South Carolina.

1. The corrective action method(s) or technology(ies) that will be proposed in the CAP will be: Air sparging, vacuum extraction, & chemical oxidation

2. The Corrective Action Completion Time, in months, to complete the corrective action from the date of corrective action system startup until corrective action goals are met is 36 months.

3. The Corrective Action Cost, in dollars, regardless of the type, quantity, or duration of the permitted technology applied, to treat the area of concern (see Attachment A, Figure # 8-11) such that the thickness of free-phase product does not exceed .01 foot and the levels of CoC do not exceed the site-specific target levels (SSTLs) defined in Contract Item II.A.9.C at any point, complete all associated monitoring and post-remediation verification, prepare all plans, reports, and correspondence; obtain and meet all terms and conditions of all required permits and licenses; design, install, monitor, operate, maintain, and when completed, properly abandon or remove all assessment and remediation items installed as part of corrective action; provide evidence of performance bond; and other items outlined in this solicitation is: $ 1,239,000.00

RECEIVED
APR 26 2006
UNDERGROUND STORAGE
TANK PROGRAM

Palmetto Environmental Group Inc.
P.O. Box 427, Elgin SC 29045

BUSINESS MANAGEMENT

04-25-6P02:12 RCVD

South Carolina Dept. of Health & Environmental Control
Division of Procurement Services
2600 Bull St.
Columbia, SC 29201-1708

Attention: Bid Clerk
Solicitation No.: IFB-29751-4/25/06-EMW

D H E C PROMOTE PROTECT PROSPER	**South Carolina Department of Health and Environmental Control** **Division of Procurement Services** **Invitation for Bid**	Solicitation No.: IFB-29751-4/25/06-EMW Date Issued: 3/14/06 Procurement Officer: E. Madison Winslow Phone No.: (803) 898-3487 E-mail Address: winsloem@dhec.sc.gov

DESCRIPTION: Corrective action for petroleum release – Multiple permits, Columbia, SC

The Term "Offer" Means Your "Bid" or "Proposal"

SUBMIT OFFER BY (Opening Date/Time): **April 25, 2006/2:30 pm E.T.** See provision entitled "Deadline for Submission of Offer"

NUMBER OF COPIES TO BE SUBMITTED: **One (1) original**

QUESTIONS MUST BE RECEIVED BY: **April 17, 2006/5:00 p.m. E.T.** See provision entitled "Questions from Offerors"

SUBMIT YOUR SEALED OFFER TO EITHER OF THE FOLLOWING ADDRESSES:

MAILING ADDRESS:	PHYSICAL ADDRESS:
SC DHEC Division of Procurement Services Bureau of Business Management 2600 Bull Street Columbia, S.C. 29201	SC DHEC Division of Procurement Services Bureau of Business Management 2600 Bull Street, Room 1200 – Aycock Bldg. Columbia, S. C. 29201

Offers Must Be Sealed: See provision entitled "Submitting Your Offer"

AWARD & AMENDMENTS	Award will be posted on **May 1, 2006**. The award, this solicitation, and any amendments will be posted at the following web address: http://www.scdhec.net/procurement.

You must submit a signed copy of this form with your offer. By submitting a bid or proposal, you agree to be bound by the terms of the solicitation. You agree to hold your offer open for a minimum of thirty (30) calendar days after the opening date.

NAME OF OFFEROR (Full legal name of business submitting the offer): WPC, Inc.

AUTHORIZED SIGNATURE: [signature]
(Person signing must be authorized to submit binding offer to enter contract on behalf of Offeror named above.)

TITLE: Branch Mgr, Myrtle Beach (Business title of person signing above)

PRINTED NAME (Printed name of person signing above): Thomas Casey, PE

DATE: 4/24/06

OFFEROR'S TYPE OF ENTITY: (Check one)

- ☐ Sole Proprietorship
- ☐ Partnership
- ☐ Corporation (tax-exempt)
- ☒ Corporate entity (not tax-exempt)
- ☐ Government entity (federal, state, or local)
- ☐ Other

(See provision entitled "Signing Your Offer")

Instructions regarding offeror's name: Any award issued will be issued to, and the contract will be formed with, the entity identified as the offeror above. An offer may be submitted by only one legal entity. The entity named as the offeror must be a single and distinct legal entity. Do not use the name of a branch office or a division of a larger entity if the branch or division is not a separate legal entity, *i.e.*, a separate corporation, partnership, sole proprietorship, etc.

OFFEROR'S HOME OFFICE ADDRESS (Address for the offeror's principal place of business): 1017 Chuck Dawley Blvd.

CITY	STATE	ZIP CODE
Mt. Pleasant	SC	29464

PHONE	FACSIMILE	E-MAIL
843-236-1288	236-1291	Tcasey@wpceng.com

STATE OF INCORPORATION: South Carolina (If offeror is a corporation, identify the state of incorporation)

TAXPAYER IDENTIFICATION NO.: 57-0972424 (See provision entitled Taxpayer Identification Number)

IV. BID AWARD

A. ACCEPTANCE and DELIVERY STATEMENT

In compliance with the solicitation and subject to all conditions thereof, the offeror agrees, if this bid is accepted within 45 days from date of opening, to complete the corrective action as specified at the prices set forth for all sites as stated below.

For the purpose of this submittal and acceptance of financial approval should it occur, I certify that this company understands the nature of the releases and the geologic conditions at these sites as documented in the technical files and this solicitation. **Any quantities listed in the corrective action method(s) below are estimates and changes to those quantities or to the listed method(s) will not affect the bid price.** Additionally, I certify that this company understands that acceptance is based on total cost to treat the areas of concern.

WPC, Inc. Certification No. 349
Contractor (Print)

Thomas Casey, PE
Authorized Representative (Print)

Signature

B. CORRECTIVE ACTION SOLICITATION RESPONSE

Please respond to the following questions. :

SITE A –Handy Pantry # 65, (UST Permit #07584), 2367 Taylor St., Columbia, South Carolina. Cloud's Chevron, (UST Permit #07777 & 12352), 1600 Two Notch Rd., Columbia, South Carolina.

1. The corrective action method(s) or technology(ies) that will be proposed in the CAP will be: Install 200 vacuum/injection wells into the water table. Install air sparge wells in the area of the creek (downgradient). AFVR & nutrient inject upper areas, sparge lower area.
2. The Corrective Action Completion Time, in months, to complete the corrective action from the date of corrective action system startup until corrective action goals are met is 48 MOS. months.
3. The Corrective Action Cost, in dollars, regardless of the type, quantity, or duration of the permitted technology applied, to treat the area of concern (see Attachment A, Figure # 8-11) such that the thickness of free-phase product does not exceed .01 foot and the levels of CoC do not exceed the site-specific target levels (SSTLs) defined in Contract Item II.A.9.C at any point, complete all associated monitoring and post-remediation verification, prepare all plans, reports, and correspondence; obtain and meet all terms and conditions of all required permits and licenses; design, install, monitor, operate, maintain, and when completed, properly abandon or remove all assessment and remediation items installed as part of corrective action; provide evidence of performance bond; and other items outlined in this solicitation is: $ 1,499,900.00

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MYR-067-06

L. Mattila

TELEPHONE
843-236-1288

WPC

3926 WESLEY ST STE 703

MYRTLE BEACH SC 29579

DELIVERY TO

TELEPHONE

IFB-29751-4/25/06-EHW
DHEC-Procurement Offic
r Bull St - Rm 1200
Columbia SC, 29201

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United Parcel Service, Louisville, KY

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DELIVERY

1Z RA7 229 22 1002 8776

TRACKING NUMBER

DATE OF SHIPMENT

SHIPMENT ID NUMBER	RA72 2978 4MB

4/24/06

BUSINESS MANAGEMENT
04-25- 2PM 2:17 RCVD

Shipping Notice — Carriage hereunder may be subject to the rules relating to liability and other terms and/or conditions established by the Convention for the Unification of Certain Rules Relating to International Carriage by Air (the "Warsaw Convention") and/or the Convention on the he International Carriage of Goods by Road (the "CMR Convention"). These commodities, technology or software were exported from the U.S. in accordance with the Export Administration Regulations. Diversion contrary to U.S. law prohibited.

010195101 11/03 BL United Parcel Service, Louisville, KY

D H E C PROMOTE PROTECT PROSPER	**South Carolina Department of Health and Environmental Control** **Division of Procurement Services** **Invitation for Bid**	Solicitation No.: IFB-29751-4/25/06-EMW Date Issued: 3/14/06 Procurement Officer: E. Madison Winslow Phone No.: (803) 898-3487 E-mail Address: winsloem@dhec.sc.gov

DESCRIPTION: Corrective action for petroleum release – Multiple permits, Columbia, SC

The Term "Offer" Means Your "Bid" or "Proposal"

SUBMIT OFFER BY (Opening Date/Time): **April 25, 2006/2:30 pm E.T.** See provision entitled "Deadline for Submission of Offer"

NUMBER OF COPIES TO BE SUBMITTED: **One (1) original**

QUESTIONS MUST BE RECEIVED BY: **April 17, 2006/5:00 p.m. E.T.** See provision entitled "Questions from Offerors"

SUBMIT YOUR SEALED OFFER TO EITHER OF THE FOLLOWING ADDRESSES:

MAILING ADDRESS:	PHYSICAL ADDRESS:
SC DHEC Division of Procurement Services Bureau of Business Management 2600 Bull Street Columbia, S.C. 29201	SC DHEC Division of Procurement Services Bureau of Business Management 2600 Bull Street, Room 1200 – Aycock Bldg. Columbia, S. C. 29201

Offers Must Be Sealed: See provision entitled "Submitting Your Offer"

AWARD & AMENDMENTS	Award will be posted on **May 1, 2006**. The award, this solicitation, and any amendments will be posted at the following web address: http://www.scdhec.net/procurement.

You must submit a signed copy of this form with your offer. By submitting a bid or proposal, you agree to be bound by the terms of the solicitation. You agree to hold your offer open for a minimum of thirty (30) calendar days after the opening date.

NAME OF OFFEROR (Full legal name of business submitting the offer) Dick Environmental Services, LLC	OFFEROR'S TYPE OF ENTITY: (Check one) ☐ Sole Proprietorship ☐ Partnership ☐ Corporation (tax-exempt) ☐ Corporate entity (not tax-exempt) ☐ Government entity (federal, state, or local) ☑ Other LLC
AUTHORIZED SIGNATURE: (Person signing must be authorized to submit binding offer to enter contract on behalf of Offeror named above.)	
TITLE (Business title of person signing above) Vice President	
PRINTED NAME (Printed name of person signing above) Franklin (Trip) Snelson, III	DATE 4/24/06

(See provision entitled "Signing Your Offer")

Instructions regarding offeror's name: Any award issued will be issued to, and the contract will be formed with, the entity identified as the offeror above. An offer may be submitted by only one legal entity. The entity named as the offeror must be a single and distinct legal entity. Do not use the name of a branch office or a division of a larger entity if the branch or division is not a separate legal entity, *i.e.*, a separate corporation, partnership, sole proprietorship, etc.

OFFEROR'S HOME OFFICE ADDRESS (Address for the offeror's **principal place of business**) 8936 Western Way, Suite 10		
CITY Jacksonville	STATE FL	ZIP CODE 32256
PHONE 904-363-0911	FACSIMILE 904-363-1421	E-MAIL ffsnelson@dickcorp.com
STATE OF INCORPORATION (If offeror is a corporation, identify the state of Incorporation) Delaware		
TAXPAYER IDENTIFICATION NO. (See provision entitled Taxpayer Identification Number) 20-0695691		

IV. BID AWARD

A. ACCEPTANCE and DELIVERY STATEMENT

In compliance with the solicitation and subject to all conditions thereof, the offeror agrees, if this bid is accepted within 60 days from date of opening, to complete the corrective action as specified at the prices set forth for all sites as stated below.

For the purpose of this submittal and acceptance of financial approval should it occur, I certify that this company understands the nature of the releases and the geologic conditions at these sites as documented in the technical files and this solicitation. **Any quantities listed in the corrective action method(s) below are estimates and changes to those quantities or to the listed method(s) will not affect the bid price.** Additionally, I certify that this company understands that acceptance is based on total cost to treat the areas of concern.

Dick Environmental Services, LLC — Certification No. Class I No. 316
Contractor (Print)

Franklin (Trip) Snelson, III
Authorized Representative (Print)

Signature

B. CORRECTIVE ACTION SOLICITATION RESPONSE

Please respond to the following questions. :

SITE A –Handy Pantry # 65, (UST Permit #07584), 2367 Taylor St., Columbia, South Carolina. Cloud's Chevron, (UST Permit #07777 & 12352), 1600 Two Notch Rd., Columbia, South Carolina.

1. The corrective action method(s) or technology(ies) that will be proposed in the CAP will be:
   Air Sparge / Vapor Extraction
   AFVR (Aggressive Fluid Vapor Recovery)

2. The Corrective Action Completion Time, in months, to complete the corrective action from the date of corrective action system startup until corrective action goals are met is 36 months.

3. The Corrective Action Cost, in dollars, regardless of the type, quantity, or duration of the permitted technology applied, to treat the area of concern (see Attachment A, Figure # 8-11) such that the thickness of free-phase product does not exceed .01 foot and the levels of CoC do not exceed the site-specific target levels (SSTLs) defined in Contract Item II.A.9.C at any point, complete all associated monitoring and post-remediation verification, prepare all plans, reports, and correspondence; obtain and meet all terms and conditions of all required permits and licenses; design, install, monitor, operate, maintain, and when completed, properly abandon or remove all assessment and remediation items installed as part of corrective action; provide evidence of performance bond; and other items outlined in this solicitation is: $ 1,659,442.00

From: Origin ID: (904)363-0911
Julie DuPuis
Dick Environmental Services, L
8936 Western Way
Suite 10
Jacksonville, FL 32256

FedEx Express

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Ship Date: 24APR06
ActWgt: 1 LB
System#: 9020046/INET2400
Account#: S *********

2006 APR 25 AM 9:32

REF: 2701-SC BID

Delivery Address Bar Code

SHIP TO: (803)896-6391 **BILL SENDER**

SC Dept of Health & Env Control
ATTENTION BID CLERK
2600 Bull Street

Columbia, SC 29201

PRIORITY OVERNIGHT

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Deliver By:
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CONSULTECH ENVIRONMENTAL, INC.

May 20, 2005

FILE COPY

Mr. Art Shrader
Assessment and Corrective Action Division
Underground storage Tank Program
South Carolina DHEC
2600 Bull Street
Columbia, South Carolina 29201

RE: Tier II Assessment Report Addendum
Former Handy Pantry #65, 2367 Taylor Street
UST Permit #07584 & #18389, CA 23764
Former Clouds Chevron, 1600 Two Notch Road
UST Permit #07777 & #12352, CA 23767
Columbia, Richland County, South Carolina

Dear Mr. Shrader,

Consultech is pleased to submit this copy of the Tier II Assessment Report, prepared for the above referenced facility in accordance with the Tier II Assessment Plan (Tier II) document dated March 15, 2000 and contract SB-26861-10/26/04-EMW dated November 2, 2004, as authorized by the South Carolina Department of Health and Environmental Control (SCDHEC).

If you should have any questions about this report, please do not hesitate to contact me at (678) 377-0400 Ext 214.

Sincerely,

CONSULTECH ENVIRONMENTAL, INC.

James R. Wilson, P.G.
Senior Project Manager

cc: File C-04-12-008 & C-04-12-009

1800 MacLeod Drive, Suite F * Lawrenceville, GA 30043-5376
678 377-0400 * FAX 678 377-0051

CONSULTECH ENVIRONMENTAL, INC.

May 20, 2005
June 24, 2005 Revised

FILE COPY

Mr. Art Shrader
Assessment and Corrective Action Division
Underground storage Tank Program
South Carolina DHEC
2600 Bull Street
Columbia, South Carolina 29201

RE: Tier II Assessment Report Addendum
Former Handy Pantry #65, 2367 Taylor Street
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Senior Project Manager

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1800 MacLeod Drive, Suite F * Lawrenceville, GA 30043-5376
678 377-0400 * FAX 678 377-0051

TIER II ASSESSMENT REPORT ADDENDUM

Former Handy Pantry #65, 2367 Taylor Street
UST Permit #07584 & #18389, CA 23764
Former Clouds Chevron, 1600 Two Notch Road
UST Permit #07777 & #12352, CA 23767
Columbia, Richland County, South Carolina

Prepared for:

South Carolina Department of Health
And Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Prepared by:

Consultech Environmental, Inc.
1800 Macleod Dr. Suite F
Lawrenceville, Georgia 30043

Consultech Project No. C-04-12-008 & C-04-12-009

May 2005

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TIER II ASSESSMENT CERTIFICATION

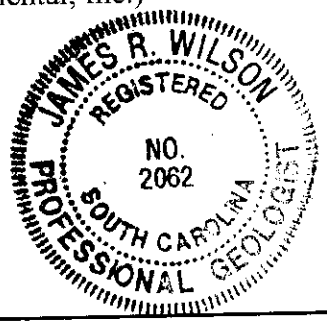
Tier II Assessment Report (Tier II) Certification

I hereby certify that the information contained in this plan and the associated attachments is true, accurate, and complete, and the plan satisfies all the criteria and requirements of the tier II assessment guidelines dated March 15, 2000.

Adrienne C. Brooks (Consultech Environmental, Inc.) — Date: 5-24-05
Project Manager

I hereby certify that I have directed the fieldwork and preparation of this plan in accordance with State Rules and Regulations. As a registered geologist, I certify that I am a qualified groundwater professional, as defined by the South Carolina Board of Registration for Geologists. All of the information and laboratory data in this plan and in all of the attachments is true, accurate, complete, and in accordance with applicable State Rules and Regulations.

James R Wilson, P.G. (Consultech Environmental, Inc.) — Date: 5/24/05
Senior Project Manager



1.0 PROJECT BACKGROUND INFORMATION

This section presents the purpose of the Tier II Assessment Report (Tier II), a description of the site, and the site assessment history.

1.1 Purpose

The purpose of a Tier II assessment is to provide the South Carolina Department of Health and Environmental Control (SCDHEC) with sufficient information to determine if the petroleum release reported in the Tier II Assessments conducted for the Former Handy Pantry #65 and the Former Clouds Chevron poses a potential risk to human health or to the environment. The Tier II from both sites indicated that a release of petroleum hydrocarbon constituents had migrated downgradient and this Tier II Addendum was to delineate the plume in all directions. This Tier II specifically provides information outlined in the scope of work as defined in the SCDHEC Tier II Assessment Plan (Tier II) guidance document, dated March 15, 2000. Please reference Consultech's Standard Operating Procedures document, dated December 2004. This report presents the extent of petroleum hydrocarbons released to the environment and an evaluation of the risk of exposure to potential receptors, and also provides a plan that adequately protects human health, safety, and the environment.

1.2 Site Description

The subject property, Former Handy Pantry #65 (former Simba Express #2 and currently Fast Point #24) is located at 2367 Taylor Street, and the Former Clouds Chevron (currently a parking lot for Providence Hospital) is located at 1600 Two Notch Road in Columbia, South Carolina (Figure 1). Figure 2 indicates the general location of the former USTs and dispensers.

1.3 Site Assessment History

Former Handy Pantry #65 (Simba Express #2) has had three releases that were reported to SCDHEC from April 17, 1998 through April 29, 1999. Three 10,000-gallon USTs, along with the associated piping and dispensers, were removed from the site on June 16, 1998 and March 24, 1999. The site currently has one 12,000-gallon gasoline UST and one 8,000-gallon gasoline UST in operation in the area of the former USTs. The initial assessments were conducted by SPATCO from 1992 to 1993 and by Kimtrell & Associates, Inc. in 1999. A modified Tier II Assessment was performed by Force & Associates, Inc. in 2003.

Former Clouds Chevron has had a release reported to SCDHEC in March 18, 1992. Two 8,000-gallon gasoline USTs and two 5,000-gallon gasoline USTs along with the associated piping and dispensers, were removed from the site on May 28, 1992. A previous Tier II was performed by Midlands Environmental Consultants, Inc. A modified Tier II Assessment was performed by Force & Associates, Inc. for both sites in 2003. Analytical results indicated that the groundwater at the both sites had been impacted by a petroleum hydrocarbons release. The Tier II from both sites indicated that a release of petroleum hydrocarbon constituents had migrated downgradient and this Tier II Addendum was to delineate the plume in all directions.

2.0 POTENTIAL RECEPTOR SURVEY

The receptor survey included a private and public groundwater supply well search, a surface water body search in the area of the site, an underground utility survey, and a discussion of current and future uses of the site and downgradient properties.

2.1 Location of Drinking Water Supplies

Consultech conducted a water systems survey in the vicinity of the site. Consultech personnel found no water wells that exist within a 1,000-foot radius of either of the subject sites and all businesses and residences in the area are on city water.

2.2 Location of Surface Water Bodies

There is one surface water body within a 1,000-foot radius of the subject site. The nearest surface water body is an unnamed creek/ditch located 600 feet to the south of the two sites.

2.3 Underground Utility Survey

Subsurface utilities in the site area include water, fiber optic/telephone, storm sewer, sanitary sewer, and gas lines, as shown on Figure 2. Locations and estimated depths of these utilities were obtained during the site investigations. Water lines run on the south side of Taylor Street/Forest Drive and on the east side of Heidt Street, Millwood Drive, and Oak Street in the easement. Fiber optic/telephone lines run on the south side of Taylor Street/Forest Drive, on the west side of Millwood Drive and Two Notch Road, and on the east side of Oak Street in the easement. Storm sewer lines run on the south side of Taylor Street/Forest Drive and across the Food Lion parking lot to the west side of Heidt Street, Ontario Street, and Oak Street in the easement. Sanitary sewer lines run through the center of Taylor Street/Forest Drive and through the center of Two Notch Road/Millwood Drive. Gas lines run on the north side of Taylor Street/Forest Drive, on the east side of Heidt Street and Oak Street, on the west side of Millwood Drive, on the east side of Two Notch Road and Waverly Street in the easement. Depths for these utilities are estimated to be two to five feet below the ground surface. No other underground utilities were located or scanned with a PID.

Electrical lines exist above ground level on utility poles that are located all around the property as shown in Figure 2. Groundwater in the site area occurs at depths ranging from 2 to 28 ft-bgs. Therefore, underground utilities could not be acting as conduits for groundwater flow except for the area between NAPA Auto Parts and the creek/ditch approximately 500 to 600 feet south of the sites where groundwater is less than 8 ft-bgs.

2.4 Current and Future Uses of the Site and Downgradient Properties

The former Handy Pantry #65 is currently a Fast Point convenience store/gas station. The former Clouds Chevron is currently an employee parking lot for Providence Hospital. The properties surrounding the sites are commercial and residential in nature. Figure 2 illustrates the locations of the adjacent properties with respect to the subject site. The sites are bordered to the north of the sites by a vacant field and residential properties. China Kitchen and Providence Hospital is to the east of the sites. Public housing and a parking lot is to the southeast. Church's Chicken and NAPA Auto Parts is to the south of the sites. Kar Kare Auto, Suddeth's Towing, and a hair salon is to the southwest. Title Max and Food Lion is to the west-southwest of the sites. Benedict College and Kentucky Fried Chicken is to the west and northwest of the sites. Future uses of the surrounding properties will likely remain the same.

3.0 HYDROGEOLOGY AND GEOLOGY

3.1 Regional Geology and Hydrogeology

Richland County is located within the Southern Piedmont Physiographic Province. The Piedmont is characterized by rolling upland topography broken by stream valleys and high prominent hills. The rocks of the area are composed of Pre-Cambrian igneous and metamorphic rocks, which have undergone extensive alteration through multiple events of folding and faulting. Richland County lies in the Carolina Slate Belt, which is composed predominantly of rocks that reflect slight to medium grade metamorphism. The Carolina Slate Belt contains many shallow granitic plutons that were formed during the Alleghenian Orogeny. This portion of Richland County is within the Congaree River Sub-Basin. Groundwater occurs in the Middendorf Aquifer System. The general geology of the site consists of unconsolidated Cretaceous sediments deposited in a riverine environment. In a riverine environment, rounded pebbles are also deposited. These sediments are representative of deposition in fluvial or upper delta-plain environments.

3.2 Site Hydrogeology

For this site, a benchmark was established with an assumed elevation of 93.97 feet above the National Geodetic Vertical Datum (NGVD) on top of a bolt on a pole on the Title Max property, which was tied in to the survey conducted at the former Handy Pantry 65 and former Clouds Chevron properties. Groundwater elevations were initially measured on February 8, 2005 in monitoring wells MW-1 through MW-4, MW-6 through MW-8, MW-10 through MW-13, MW-15 through MW-20, MW-22 through MW-25 before screening the site. Groundwater elevations were measured on April 19 through 21, 2005 in monitoring wells MW-1 through MW-13, MW-15 through MW-20, MW-22 through MW-60, MW-5aR, PW-1R, RW-1R, and DW-1 through DW-8 in order to determine static water levels, to establish the groundwater gradient, and to check for liquid phased hydrocarbons (LPH). Newer monitoring wells MW-61 through MW-70, and DW-9 were measured on May 17 and 18, 2005 since they were drilled later. The groundwater elevations in the on-site shallow monitoring wells ranged from 74.38 feet in MW-27 to 62.65 feet in MW-60, with respect to a relative datum elevation of 93.97 feet. LPH was detected in monitoring well MW-3 at a thickness of 0.43 feet, MW-10 at a thickness of 0.79 feet, and in MW-18 at a thickness of 0.02 feet. A summary of the measurement data collected from the monitoring wells is presented on Table 1.

3.3 Site Geology

The subsoil in this area is predominantly brown to grey to orange clayey sand to sandy clay alternating from the ground surface to a depth of 110 ft-bgs as noted by the Tier II investigations and the new wells for the Tier II Addendum (Appendix 3). Soil boring/monitoring well installation lithological data indicated that soil types and depths appear to be predominantly uniform across the site. Groundwater levels in the sand range from 2 to 28 ft-bgs.

3.4 Site Topography

Topographic relief within a quarter mile radius of the subject property, as evidenced by the U.S.G.S. 7.5-minute quadrangle topographic map for the area (Columbia North, South Carolina, Figure 3), ranges between 260 and 330 feet above the NGVD. The subject properties have elevations of 295 feet for the former Handy Pantry #65 and 305 feet for the former Clouds Chevron above the NGVD. The general direction of surface water drainage in the site vicinity of the former Clouds Chevron appears to be to the south towards the creek/ditch. The general direction of surface water drainage in the site vicinity of the former Handy Pantry #65 appears to be to the west-northwest towards Benedict College. The nearest surface water body is an unnamed creek/ditch located 600 feet to the south of the sites. A Site Topographic Map with potential receptors is presented as Figure 3.

4.0 INVESTIGATIVE METHODS AND SAMPLING

4.1 Field Screening

The soil borings were scanned with a calibrated PID meter and collected on four-foot intervals to approximate depths of 32 ft-bgs for shallow borings to 64 ft-bgs for deep borings. Detectable PID readings were indicated in all of the soil borings except for SB-4, SB-6, SB-38, SB-40, SB-50, SB-51, SB-53, SB-54, SB-61, SB-63, and SB-79. PID field screening results for the soil and groundwater are presented in Table 2, and a groundwater PID field-screening map is provided as Figure 7.

4.2 Soil Boring/Monitoring Well Installation

Soil samples were described on the basis of lithology, color, texture, and relative moisture content. The shallow monitoring wells installed were two-inch PVC wells. Monitoring wells MW-27 through MW-30, MW-32, MW-45, MW-48 through MW-50, and MW-52 were installed at 30 ft-bgs. Monitoring wells MW-31, MW-33 through MW-42, MW-46, MW-47, MW-51, and MW-61 through MW-70 were installed at 35 ft-bgs. Monitoring well MW-43 was installed at 40 ft-bgs. Monitoring well MW-44 was installed at 31 ft-bgs. Monitoring wells MW-53, MW-54, and MW-56 were installed at 20 ft-bgs. Monitoring wells MW-55, MW-57, and MW-60 were installed at 14 ft-bgs. Monitoring well MW-58 was installed at 19 ft-bgs. Monitoring well MW-59 was installed at 17 ft-bgs. Ten to twenty feet of 0.010-inch slotted well screen was used in construction of the shallow monitoring wells. Six deep wells were installed for this investigation. Deep well DW-4 was installed by DW-3 with five-inch casing at 100 feet and the two-inch casing at 105 feet. The two-inch screen was set from 105 to 110 feet. Deep well DW-5 was drilled beside MW-35 with five-inch casing at 60 feet and the two-inch casing at 65 feet. The two-inch screen was set from 65 to 70 feet. Deep well DW-6 was paired with monitoring well MW-42. The five-inch casing of DW-6 was advanced to 60 ft-bgs. A boring was then advanced through the inside of the five-inch well casing to a depth of 65 ft-bgs. Screen was set from 65 to 70 ft-bgs. Deep well DW-7 was paired with MW-12. The five-inch casing of DW-7 was advanced to 45 ft-bgs, and the two-inch screen was set from 50 to 55 ft-bgs. Deep well DW-8 was paired with MW-59. The five-inch casing of DW-8 was advanced to 45 ft-bgs, and the two-inch screen was set from 50 to 55 ft-bgs. Deep well DW-9 was paired with MW-58. The five-inch casing of DW-9 was advanced to 55 ft-bgs, and the two-inch screen was set from 60 to 65 ft-bgs. The well construction diagrams are included with the soil boring logs in Appendix 3.

4.3 Soil Sampling

Soil samples were collected from monitoring wells MW-28, MW-32 through MW-39, MW-41, MW-43, MW-45, MW-47, MW-49, MW-52 through MW-54, and MW-56 through MW-58 as part of this Tier II Investigation to determine soil concentrations above the water table at different areas around the subject sites. Soil analytical data is presented in Table 3. The soil cuttings generated during all of Consultech's drilling activities were scanned with a calibrated PID and placed in 55-gallon drums. The soil cuttings were then disposed of accordingly.

4.4 Groundwater Sampling

Groundwater samples were initially collected from soil borings WS-1 through WS-10, and monitoring wells MW-43, MW-44, MW-56, MW-57, and MW-59 for screening purposes and were rush analyzed for BTEX, naphthalenes, and MTBE. Groundwater samples were collected from monitoring wells MW-1 through MW-13, MW-15 through MW-20, MW-22 through MW-60, MW-5aR, PW-1R, RW-1R, DW-1 through DW-8, and SW-1 and were analyzed for BTEX, naphthalenes, MTBE, EDB, 1,2 DCA, 8-Oxygenates, and total lead. In addition, monitoring wells MW-27 through MW-60, and DW-4 through DW-8 were analyzed for dissolved iron, nitrate, sulfate, and methane. The newest monitoring wells MW-61 through MW-70 and DW-9 were sampled for rush analysis of BTEX, naphthalenes, and MTBE. The laboratory reports are presented in Tables 5, 6, & 7 and Appendix 5.

5.0 PHYSICAL AQUIFER CHARACTERISTICS

5.1 Hydraulic Conductivity Tests

Consultech conducted in-situ horizontal hydraulic conductivity tests in monitoring wells MW-12, MW-42, DW-6, and DW-7. The hydraulic conductivity tests were conducted by using a disposable bailer or pump to bail out as much water as possible. Using an oil/water interface probe, the water levels were then recorded with time as the water level in the wells returned to their static levels. The recovery data and completion details of the wells were used to determine the in-situ hydraulic conductivity using the Bower and Rice method for the case of an unconfined aquifer, partially penetrated by a well.

The hydraulic conductivities calculated from this method are considered estimated values based on several assumptions, most notably homogeneous, isotropic aquifer flow with minimal sand pack recharge.

5.2 Direction and Rate of Groundwater Flow

Groundwater depths measured in December 2003 and February to May 2005 and their corresponding elevations are presented on Table 1. All wells were gauged for the presence of LPH using an oil/water interface probe. On April 19-21, 2005, LPH was detected in monitoring wells MW-3 at a thickness of 0.43 feet, MW-10 at a thickness of 0.79 feet, and in MW-18 at a thickness of 0.02 feet.

The groundwater elevations taken on April 19-21, and May 17-18, 2005 are illustrated on Figure 5 for the shallow wells and Figure 6 for the deep wells. These figures indicate that the groundwater flow direction is to the northwest for the former Handy Pantry #65 site and to the south for the former Clouds Chevron site for both the shallow and deep water zones. Based on the groundwater elevations in the wells and the distances between them, the average hydraulic gradient (referenced as "i") is estimated to be 0.004 feet per foot (ft/ft) across the site between monitoring wells MW-5aR and MW-69 for the shallow groundwater and 0.0029 (ft/ft) between monitoring wells DW-4 and DW-6 for the deep groundwater for the former Handy Pantry #65 site. The average hydraulic gradient is estimated to be 0.010 ft/ft across the site between monitoring wells MW-5aR and MW-60 for the shallow groundwater and 0.0045 ft/ft between monitoring wells DW-4 and DW-8 for the deep groundwater for the former Clouds Chevron site.

The groundwater flow velocity (V) was estimated for the site using the Darcy equation, V=(K x i)/neff. This equation assumes a homogeneous, isotropic aquifer that is infinite in a real extent (i.e., no boundary conditions).

The shallow groundwater in the northwest direction (MW-42) with the horizontal K (0.0161 feet per day), the i (0.004 ft/ft), and the estimated neff (0.18). Based on this calculation, the groundwater velocity is estimated to be 0.00036 ft/day or 0.131 ft/year.

The deep groundwater in the northwest direction (DW-6) with the horizontal K (0.0000306 feet per day), the i (0.0029 ft/ft), and the estimated neff (0.13). Based on this calculation, the groundwater velocity is estimated to be 0.000000676 ft/day or 0.000247 ft/year.

The shallow groundwater in the southern direction (MW-12) with the horizontal K (0.00431 feet per day), the i (0.010 ft/ft), and the estimated neff (0.18). Based on this calculation, the groundwater velocity is estimated to be 0.000239 ft/day or 0.0874 ft/year.

The deep groundwater in the southern direction (DW-7) with the horizontal K (0.00258 feet per day), the i (0.0045 ft/ft), and the estimated neff (0.13). Based on this calculation, the groundwater velocity is estimated to be 0.0000893 ft/day or 0.0326 ft/year.

6.0 HORIZONTAL AND VERTICAL EXTENT OF PETROLEUM HYDROCARBONS

6.1 Extent of Petroleum Contamination in Soil

Soil samples were analyzed for BTEX and naphthalene constituents. The applicable risk-based screening levels (RBSLs) for the subject sites are benzene at 0.007 mg/kg, toluene at 1.450 mg/kg, ethylbenzene at 1.150 mg/kg, xylenes at 14.500 mg/kg, and naphthalenes at 0.036 mg/kg.

The RBSL for benzene was exceed in soil borings MW-32 through MW-37, MW-41, MW-53, MW-54, MW-57, and MW-58. The RBSL for toluene was exceed in soil boring MW-33. The RBSL for ethylbenzene and xylenes and were not exceeded in any of the soil borings. The RBSL for naphthalenes was exceed in soil borings MW-32 through MW-34, MW-36, and MW-41. Table 3 presents the soil sample analytical results, and Figure 7 presents the boring locations with analytical results.

A review of the analytical data for soil samples collected from the site indicates that the vertical and horizontal extent of petroleum hydrocarbons-affected soils have been delineated at the subject site.

6.2 Extent of Petroleum Contamination in Groundwater

On April 19-21, May 17-18, and June 2, 2005, groundwater samples were collected from monitoring wells MW-1 through MW-13, MW-15 through MW-20, MW-22 through MW-70, MW-5aR, PW-1R, RW-1R, DW-1 through DW-9, SW-1, and ST-1.

Table 5 presents the historical analytical results for BTEX, MTBE, and naphthalenes in groundwater on the site. Figure 8 presents the lateral distribution of dissolved benzene in groundwater across the site on April 19-21, and May 17-18, 2005. Benzene was detected in groundwater above the RBSL of 5.0 µg/l in monitoring wells MW-2, MW-3, MW-5, MW-6, MW-9 through MW-12, MW-15, MW-17 through MW-20, MW-22 through MW-25, MW-31 through MW-37, MW-39 through MW-42, MW-47, MW-54, MW-55, MW-57, MW-58, MW-5aR, PW-1R, RW-1R, DW-3, DW-4, DW-7, SW-1, and ST-1.

Toluene was detected in groundwater above the RBSL of 1,000 µg/l in monitoring wells MW-2, MW-3, MW-5, MW-9, MW-10, MW-12, MW-15, MW-17 through MW-20, MW-22 through MW-25, MW-33 through MW-35, MW-37, MW-39 through MW-42, MW-57, MW-5aR, PW-1R, RW-1R, and DW-3. Ethylbenzene was detected in groundwater above the RBSL of 700 µg/l in monitoring wells MW-2, MW-3, MW-5, MW-9, MW-10, MW-12, MW-17 through MW-20, MW-25, MW-34, MW-37, MW-39, MW-40, MW-57, MW-5aR, PW-1R, and RW-1R. Xylenes were detected above the RBSL of 10,000 ug/l in monitoring wells MW-5, MW-9, MW-10, MW-17 through MW-20, MW-25, MW-34, MW-39, and MW-57.

MTBE (Figure 9) was detected in groundwater above the RBSL of 40 monitoring wells MW-2, MW-3, MW-10, MW-12, MW-18 through MW-20, MW-22 through MW-24, MW-35, MW-39, MW-55, MW-57, MW-58, MW-5aR, PW-1R, RW-1R, DW-3, SW-1, and ST-1. Naphthalenes (Figure 10) were detected in groundwater above the RBSL of 25 µg/l in monitoring wells MW-2, MW-3, MW-5, MW-9, MW-10, MW-12, MW-15, MW-17 through MW-20, MW-22 through MW-25, MW-31 through MW-37, MW-39 through MW-42, MW-57, MW-58, MW-5aR, PW-1R, RW-1R, DW-3, and DW-4.

Table 6 presents other petroleum hydrocarbons constituents and natural attenuation parameters that were measured during the April 19-21, 2005 sampling event. The following indicates RBSLs exceeded due to the release on the subject site. EDB (Figure 11) was detected in groundwater above the RBSL of 0.05 µg/l in monitoring wells MW-5, MW-12, MW-18, MW-19, MW-24, MW-27, MW-28, MW-36, MW-37, MW-41, MW-42, MW-65, RW-1R, DW-3, DW-4, and DW-6. Total lead was detected in groundwater above the RBSL of 0.015 µg/l in monitoring wells MW-2, MW-3, MW-5, MW-9, MW-17, MW-18, MW-19, MW-20, MW-23, MW-24, MW-25, MW-29, MW-33, MW-35, MW-39, MW-54, MW-58, MW-59, MW-5aR, RW-1R, and DW-8. Table 7 presents the groundwater analytical results from the individual Oxygenates.

The former Handy Pantry #65 petroleum hydrocarbon plume has migrated approximately 600 feet west of the former tank pit area. The edge of the hydrocarbon plume is currently downgradient of monitoring well MW-68 for the shallow plume and deep well DW-5 for the deep plume. There appears to be another UST release in the area of monitoring wells MW-41, MW-64, and MW-65 due to the increased concentrations in this area. In addition, the groundwater velocity is very slow and would not reach this far from the former Handy Pantry #65 petroleum hydrocarbon plume.

The former Clouds Chevron BP petroleum hydrocarbon plume has migrated approximately 600 feet south of the former UST system area. The edge of the shallow and deep hydrocarbon plume is currently at the unnamed creek/ditch which has been impacted by the hydrocarbon plume.

Natural attenuation parameters will be discussed in Section 8.2.

6.3 Extent of LPH Plume

On December 30, 2003, LPH was detected in monitoring wells MW-9, MW-15, and MW-18 at thickness of 0.01, 0.02, and 0.24 feet, respectively. On February 8, 2005, LPH was detected in monitoring wells MW-3, MW-10, MW-15, MW-18, and MW-22 at thickness of 0.74, 0.13, 0.03, 0.31, and 0.03 feet, respectively. On April 19, 2005, LPH was detected in monitoring wells MW-3, MW-10, and MW-18 at thickness of 0.43, 0.79, and 0.02 feet, respectively. An LPH recovery test was conducted on April 19, 2005 and indicated a true thickness of 0.59 feet of LPH in monitoring well MW-10 and no recovery in monitoring wells MW-3 or MW-18. The product recovery test data and results are presented in Appendix 4.

7.0 GROUNDWATER MODELING

7.1 Domenico's Model

The Domenico's Model was utilized to determine site specific target levels (SSTLs) for the source area. The SSTLs were calculated in the two previous Tier II investigations and can be reviewed in those reports. SCDHEC will calculate more SSTLs using the new slug test data from this investigation.

7.2 Fate and Transport Modeling

The fate and transport modeling were conducted in the two previous Tier II investigations and can be reviewed in those reports and SCDHEC will conduct more fate and transport modeling using the new slug test data from this investigation.

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8.0 TIER II SITE EVALUATION

8.1 Site Conceptual Model and Exposure Points

A site conceptual exposure model was completed for the sites during the past two investigations and will be conducted by SCDHEC for this investigation.

8.2 Site Specific Point of Compliance

There are no primary exposure points for the former Handy Pantry #65. The unnamed creek/ditch 600 feet south of the two sites is considered the primary exposure point for the former Clouds Chevron. Underground utilities are not considered exposure points until the plume reaches within 100 feet from the unnamed creek/ditch since the deepest utility is less than five ft-bgs and the groundwater in the subject site area is located at a depth between 2 and 28 ft-bgs. Dissolved petroleum constituents have impacted the unnamed creek/ditch 600 feet south of the two sites shown by analytical results from the creek sample SW-1.

Four points of compliance will be established for the two plumes. Consultech recommends that monitoring wells MW-69 and DW-6 be established as the points of compliance between the former Handy Pantry #65 and points downgradient and monitoring wells MW-59 and DW-8 be established as the point of compliance between the former Clouds Chevron and downgradient from the unnamed creek/ditch.

8.3 Natural Attenuation Parameters Evaluation

On April 19-21, and May 17-18, 2005, dissolved oxygen concentrations measured ranged from 1.0 milligrams per liter (mg/l) in monitoring well MW-18 to 5.0 mg/l in monitoring well DW-9. Dissolved oxygen in distilled water was 7.6 mg/l. Comparison of Tables 4 and 5 shows that areas with deleted dissolved oxygen concentrations coincide with areas of elevated petroleum hydrocarbons concentrations, and high dissolved oxygen concentrations coincide with areas of low to nonexistent petroleum hydrocarbons concentrations. This is an indication that petroleum hydrocarbons beneath the site are being biodegraded by aerobic respiration.

Nitrate was present in 32 of 42 wells, with detectable concentrations ranging from 0.11 mg/l in MW-41 to 18.4 mg/l in MW-49. Therefore, nitrate is occurring naturally. Areas of depleted nitrate correlate with areas of elevated BTEX concentrations; therefore, there is evidence that petroleum hydrocarbons beneath the site are being biodegraded through denitrification.

Ferrous iron was present in 25 of 42 monitoring wells. Detectable concentrations were less than 13 mg/l, indicating that dissolved iron is naturally occurring at low levels. Measured ferrous iron (Fe^{+2}) concentrations range from 0.056 mg/l in MW-47 to 12.8 mg/l in MW-31. Areas of elevated BTEX concentrations coincide with most areas of elevated ferrous iron (Fe^{+2}) concentrations. This suggests that ferric iron (Fe^{+3}) oxides are being reduced to ferrous iron (Fe^{+2}) during biodegradation of petroleum hydrocarbons.

Sulfate was present in 36 of 39 wells, with detectable concentrations ranging from 1.7 mg/l in monitoring well MW-51 to 87.1 mg/l in monitoring well DW-8. The concentrations of sulfate are not consistently low in areas with elevated BTEX concentrations; therefore, there are no solid indications that anaerobic biodegradation of petroleum hydrocarbons is occurring by sulfate reduction.

8.4 Calculation of Site Specific Target Levels

SSTL Models were caculated in the two previous Tier II investigations and can be reviewed in those reports.

8.5 RBCA Site Classification

Based on the SCDHEC document "Risk Based Corrective Action for Petroleum Releases" dated May 15, 2001, Appendix A – RBCA Site Priority Classification System, Consultech classifies this release as a 1F. This site is classified as a 1F because chemicals of concern exist in the creek/ditch located 600 feet south of both UST sites. In addition, free product exists in three monitoring wells at a measured thickness greater than 0.01 foot.

9.0 RECOMMENDATIONS

The former Handy Pantry #65 petroleum hydrocarbon plume has migrated approximately 600 feet west of the former tank pit area. The edge of the hydrocarbon plume is currently downgradient of monitoring well MW-68 for the shallow plume and deep well DW-5 for the deep plume. There appears to be another UST release in the area of monitoring wells MW-41, MW-64, and MW-65 due to the increased concentrations in this area. In addition, the groundwater velocity is very slow and would not reach this far from the former Handy Pantry #65 petroleum hydrocarbon plume.

The former Clouds Chevron BP petroleum hydrocarbon plume has migrated approximately 600 feet south of the former UST system area. The edge of the shallow and deep hydrocarbon plume is currently at the unnamed creek/ditch which has been impacted by the hydrocarbon plume. The creek/ditch and monitoring wells upgradient should be remediated to reduce petroleum hydrocarbon concentrations at the creek/ditch to RBSLs for each chemical of concern.

Four points of compliance will be established for the two plumes. Consultech recommends that monitoring wells MW-69 and DW-6 be established as the points of compliance between the former Handy Pantry #65 and points downgradient and monitoring wells MW-59 and DW-8 be established as the point of compliance between the former Clouds Chevron and downgradient from the unnamed creek/ditch.

Based on our Tier II Site Evaluation, corrective action appears to be necessary at the subject site. The Domenico's Model should be rerun on current concentrations to determine site specific target levels (SSTLs) for the source area. The SSTLs were calculated in the two previous Tier II investigations and can be reviewed in those reports. In addition, monitoring wells MW-3, MW-10, and MW-18 should have the LPH reduced to less than 0.01 feet of thickness in each well.

In addition, an investigation should be conducted in the area of monitoring wells MW-41, MW-64, and MW-65 to determine where the unknown UST or petroleum source is located on the Benedict College property.

10.0 REFERENCES

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TABLES

TABLE 1
Well Construction Details andGroundwater Elevation Data (ft)
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777

Monitoring Well	Date	Depth of Screen Below Ground Surface	TOC Elevation	Depth to Product from TOC	Depth to Water from TOC	Groundwater Elevation
MW-1	12/30/03	17.0-27.0	104.67		21.45	83.22
	02/08/05		93.89		22.95	70.94
	04/19/05		93.89		22.89	71.00
MW-2	12/30/03	20.0-30.0	105.5		23.30	82.19
	02/08/05		94.7		24.13	70.57
	04/19/05		94.7		24.08	70.62
MW-3	12/30/03	19.0-29.0	105.22		23.44	81.78
	02/08/05		94.45	23.30	30.04	64.41
	04/19/05		94.45	23.70	24.13	70.32
MW-4	12/30/03	18.0-28.0	105.64		21.29	84.35
	02/08/05		94.85		22.34	72.51
	04/19/05		94.85		22.89	71.96
MW-5	12/30/03	16.0-26.0	105.59		22.92	82.67
	04/19/05		95.26		23.58	71.68
MW-6	12/30/03	20.0-30.0	105.77		23.55	82.22
	02/08/05		94.96		24.43	70.53
	04/19/05		94.96		24.30	70.66
MW-7	12/30/03	20.0-30.0	106.76		23.59	83.17
	02/08/05		95.93		24.54	71.39
	04/19/05		95.93		24.52	71.41
MW-8	12/30/03	18.5-28.5	105.57		20.28	85.29
	02/08/05		94.79		21.93	72.86
	04/19/05		94.79		21.90	72.89
MW-9	12/30/03	20.0-30.0	103.77	22.74	22.75	81.02
	04/19/05		92.3		23.54	68.76
MW-10	12/30/03	18.0-28.0	97.38		17.44	79.94
	02/08/05		85.98	17.85	18.98	67.00
	04/19/05		85.98	17.73	18.52	67.46

Monitoring Well	Date	Depth of Screen Below Ground Surface	TOC Elevation	Depth to Product from TOC	Depth to Water from TOC	Groundwater Elevation
MW-11	12/30/03		99.81		19.57	80.24
	02/08/05		88.46		20.36	68.10
	04/19/05		88.46		20.17	68.29
MW-12	12/30/03		84.16		4.75	79.41
	02/08/05		72.8		5.57	67.23
	04/19/05		72.8		5.25	67.55
MW-13	12/30/03		92.24		12.18	80.06
	02/08/05		80.44		12.17	68.27
	04/21/05		80.44		12.05	68.39
MW-15	12/30/03	15.0-25.0	97.9	17.56	17.58	80.29
	02/08/05		86.44	18.31	18.34	68.10
	04/21/05		86.44		18.14	68.30
MW-16	12/30/03	15.0-25.0	99.57		18.95	80.62
	02/08/05		88.19		19.87	68.32
	04/21/05		88.19		19.60	68.59
MW-17	12/30/03	20.0-30.0	103.95		23.74	80.21
	02/08/05		92.45		24.42	68.03
	04/21/05		92.45		24.20	68.25
MW-18	12/30/03	20.0-30.0	106.29	25.48	25.72	80.57
	02/08/05		94.81	26.45	26.76	68.05
	04/19/05		94.81	26.26	26.28	68.53
MW-19	12/30/03	20.0-30.0	105.45		24.59	80.86
	02/08/05		93.96		25.52	68.44
	04/21/05		93.96		25.00	68.96
MW-20	12/30/03	15.0-25.0	106.04		23.05	82.99
	02/08/05		94.12		24.00	70.12
	04/21/05		94.12		23.51	70.61
MW-21	12/30/03	15.0-25.0	103.87		21.03	82.84
	04/21/05		Destroyed			Destroyed
MW-22	12/30/03	20.0-30.0	105.61		22.36	83.25
	02/08/05		94.25	23.25	23.28	70.97
	04/21/05		94.25		22.78	71.47
MW-23	12/30/03	20.0-30.0	105.52		24.82	80.70
	02/08/05		94.43		25.80	68.63
	04/21/05		94.43		25.32	69.11

Monitoring Well	Date	Depth of Screen Below Ground Surface	TOC Elevation	Depth to Product from TOC	Depth to Water from TOC	Groundwater Elevation
MW-24	12/30/03	20.0-30.0	105.34		23.88	81.46
	02/08/05		93.94		24.80	69.14
	04/21/05		93.94		24.35	69.59
MW-25	12/30/03		103.68		21.23	82.45
	02/08/05		93.09		22.35	70.74
	04/21/05		93.09		21.89	71.20
MW-26	12/30/03		106.56		20.50	86.06
	04/21/05		95.96		23.36	72.60
MW-27	04/20/05	15.0-30.0	91.4		17.02	74.38
MW-28	04/20/05	15.0-30.0	91.46		18.87	72.59
MW-29	04/20/05	15.0-30.0	91.09		19.06	72.03
MW-30	04/20/05	15.0-30.0	92.77		22.86	69.91
MW-31	04/20/05	20.0-35.0	95.2		26.51	68.69
MW-32	04/20/05	15.0-30.0	92.87		23.66	69.21
MW-33	04/20/05	20.0-35.0	93.84		25.27	68.57
MW-34	04/20/05	20.0-35.0	94.77		26.11	68.66
MW-35	04/20/05	20.0-35.0	93.71		25.14	68.57
MW-36	04/20/05	20.0-35.0	93.89		24.96	68.93
MW-37	04/20/05	20.0-35.0	93.78		25.25	68.53
MW-38	04/20/05	20.0-35.0	95.53		26.78	68.75
MW-39	04/20/05	20.0-35.0	96.19		27.65	68.54
MW-40	04/20/05	20.0-35.0	95.69		27.31	68.38
MW-41	04/20/05	20.0-35.0	94.85		26.68	68.17
MW-42	04/20/05	20.0-35.0	95.81		27.53	68.28
MW-43	04/21/05	20.0-40.0	95.15		26.28	68.87
MW-44	04/21/05	16.0-31.0	94.57		25.03	69.54
MW-45	04/21/05	15.0-30.0	92.51		23.39	69.12
MW-46	04/21/05	20.0-35.0	94.5		25.71	68.79
MW-47	04/21/05	20.0-35.0	92.44		23.61	68.83
MW-48	04/21/05	15.0-30.0	89.95		20.75	69.20
MW-49	04/21/05	15.0-30.0	88.18		18.39	69.79
MW-50	04/21/05	15.0-30.0	84.09		15.15	68.94

Monitoring Well	Date	Depth of Screen Below Ground Surface	TOC Elevation	Depth to Product from TOC	Depth to Water from TOC	Groundwater Elevation
MW-51	04/21/05	20.0-35.0	93.91		24.66	69.25
MW-52	04/21/05	15.0-30.0	90.21		21.88	68.33
MW-53	04/21/05	5.0-20.0	79.6		11.55	68.05
MW-54	04/21/05	5.0-20.0	77.58		12.31	65.27
MW-55	04/21/05	4.0-14.0	71.22		4.88	66.34
MW-56	04/21/05	5.0-20.0	76.39		8.90	67.49
MW-57	04/21/05	4.0-14.0	67.2		1.41	65.79
MW-58	04/21/05	4.0-19.0	76.37		10.65	65.72
MW-59	04/21/05	2.0-17.0	68.02		4.64	63.38
MW-60	04/21/05	4.0-14.0	67.94		5.29	62.65
MW-5aR	04/20/05	18.0-28.0	94.18		22.68	71.50
PW-1R	04/20/05	45.0 - 50.0	93.75		25.16	68.59
RW-1R	04/20/05	9.0-29.0	93.66		24.69	68.97
DW-1	12/30/03	65.0 - 70.0	105.43		45.44	59.99
	04/21/05		94.66		45.38	49.28
DW-2	12/30/03	70.0 - 75.0	104.82		44.67	60.15
	04/21/05		94.02		44.55	49.47
DW-3	12/30/03	47.0 - 52.0			24.54	
	02/08/05		93.75		24.95	68.80
	04/21/05		93.75		25.27	68.48
DW-4	04/21/05	105.0 - 110.0	93.79		42.68	51.11
DW-5	04/21/05	65.0 - 70.0	93.74		43.77	49.97
DW-6	04/21/05	65.0 - 70.0	95.9		46.38	49.52
DW-7	04/21/05	50.0 - 55.0	72.79		24.71	48.08
DW-8	04/21/05	50.0 - 55.0	68.63		21.21	47.42
DW-9	05/17/05	60.0 - 65.0	76.47		28.78	47.69
MW-61	05/17/05	20.0 - 35.0	91.00		21.25	69.75
MW-62	05/17/05	20.0 - 35.0	94.05		24.99	69.06
MW-63	05/17/05	20.0 - 35.0	94.65		26.41	68.24
MW-64	05/17/05	20.0 - 35.0	94.36		26.74	67.62
MW-65	05/17/05	20.0 - 35.0	94.04		26.46	67.58
MW-66	05/17/05	20.0 - 35.0	95.25		27.50	67.75
MW-67	05/17/05	20.0 - 35.0	96.10		27.72	68.38
MW-68	05/18/05	20.0 - 35.0	94.02		26.46	67.56
MW-69	05/18/05	20.0 - 35.0	94.36		26.85	67.51
MW-70	05/18/05	20.0 - 35.0	95.49		27.30	68.19

1) All TOC elevations relative to an arbitrary assigned datum of 93.97 feet onsite.

2) Corrected groundwater elevation = TOC - (measured water level - (0.78 x product thickness))

3) Screening depths are unknown for wells MW-11,MW-12,MW-13,MW-25,MW-26.

4) Wells MW-61 through MW-70 and DW-9 were tied into original survey by Consultech.

Table 2
PID Field Readings
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777

Sample	Date	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64	Water Sample PID
SB-1	02/08/05	0.0	0.0	0.0	0.0	13.6	436											436
SB-2	02/08/05	0.0	0.0	1.4	2.0	45.6	370											370
SB-3	02/08/05	0.0	0.8	1.3	3	10.6	17.1											17.1
SB-4	02/08/05	0.0	0.0	0.0	0.0	0.0	0.0	0.0										0.0
SB-5	02/08/05	0.0	0.0	0.0	4.5	6.8	2.3											2.3
SB-6	02/08/05	0.0	0.0	0.0	0.0	0.0	0.0											0.0
SB-7	02/08/05	1.8	2.4	5.0	26	126	211											211
SB-8	02/09/05	1.2	2.7	6.0	19.2	26.9	32.4	40.1										32.4
SB-9	02/09/05	0.5	3.1	6.2	12.1	12.4	26.9											26.9
SB-10	02/09/05	0.2	0.3	0.9	5.1	6.0	8.8											8.8
SB-11	02/09/05	1.3	2.1	2.9	62.6	222	232											232
SB-12	02/09/05	2.5	5.1	5.7	57.5	39.4	19.4											19.4
SB-13	02/09/05	0.3	0.6	1.2	1.8	9.7	13.5											13.5
SB-14	02/09/05	1.3	2.5	5.3	11.2	22.1	46	0.0										45.5
SB-15	02/10/05	0.5	3.2	5.2	8.0	9.2	21.3											21.3
SB-16	02/10/05	1.4	2.4	2.7	4.6	3.0	5.1	129.0										11.9
SB-17	02/10/05	0.0	0.0	1.2	1.0	1.2	2.3	0.0										2.0
SB-18	02/10/05	0.0	0.8	2.4	2.4	2.5	6.0	152										152
SB-19	02/10/05	0.0	0.0	10.8	53.4	10.2	60.2	7.2										60.2
SB-20	02/10/05	0.0	0.0	6.4	20.4	35.1	40.3	2.3										19.4
SB-21	02/10/05	0.0	1.2	1.6	8.3	18.6	40.2	63.4										63.4
SB-22	02/11/05	0.0	0.0	1.2	4.9	10.3	31.2	90.2										90.2
SB-23	02/11/05	3.4	12.3	85.2	6.2	275	353	196										196
SB-24	02/11/05	1.2	4.9	6.4	10.3	18.6	35.4	818										818
SB-25	02/11/05	0.0	1.1	8.3	22.7	387	402											402
SB-26	02/11/05	1.3	15.2	109	115	232	173	60.1										60.1
SB-27	02/15/05	0.0	0.0	0.9	12.5	53.9	102	303										303
SB-28	02/15/05	0.0	0.0	3.3	31.9	41.2	92.1	397										397
SB-29	02/15/05	0.0	0.0	1.2	12.1	34.6	76.2	356										356
SB-30	02/15/05	0.0	0.0	5.6	25.9	31.4	77.7	418										75
SB-31	02/15/05	0.0	1.8	3.2	10.1	50.0	18.8											12.8
SB-32	02/15/05	0.0	0.0	0.0	0.0	4.4	14.8											10.8
SB-33	02/15/05	0.0	0.0	21.2	81.9	542	28.7											127
SB-34	02/15/05	0.0	0.0	0.0	43.5	40.4												245
SB-35	02/16/05	0.0	0.0	0.0	21.6	122												122
SB-36	02/16/05	0.0	0.0	47.9	58.0	1.2												1.2
SB-37	02/16/05	0.0	0.0	3.4	14.2	6.1												6.1
SB-38	02/16/05	0.0	0.0	0.0														0.0
SB-39	02/16/05	0.0	0.0	0.0	0.0	0.0	6.2	0.0										6.2
SB-40	02/16/05	0.0	0.0	0.0	0.0	0.0	0.0											0.0
SB-41	02/16/05	0.0	0.0	0.0	0.0	13.4	2.8											10.4
SB-42	02/16/05	0.0	0.0	0.0	1.2	20.6	80.4	303										303
SB-43	02/16/05	0.0	0.0	0.0	6.3	91.4	80.4	274										274
SB-44	02/16/05	0.0	0.0	0.0	1.4	6.3	21	101										54.2
SB-45	02/16/05	0.0	0.0	0.0	3.9	6.2	95.1											95.1
SB-46	02/17/05	0.0	0.0	0.0	0.0	6.2	7.4	378										378
SB-47	02/17/05	0.0	0.0	0.0	10.1	44.7	13.2	630										23.6

Sample	Date	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64	Water Sample PID
SB-48	02/17/05	0.0	0.0	0.0	0.0	2.7	6.3	27.9										4.7
SB-49	02/17/05	0.0	0.0	0.0	0.0	0.0	0.0	4.0										4.0
SB-50	02/17/05	0.0	0.0	0.0	0.0	0.0	0.0											0.0
SB-51	02/17/05	0.0	0.0	0.0	0.0	0.0	0.0											0.0
SB-52	02/17/05	0.0	4.6	94.7	60.7	12.3												12.3
SB-53	02/17/05	0.0	0.0	0.0	0.0	0.0												0.0
SB-54	02/17/05	0.0	0.0	0.0	0.0	0.0	0.0											0.0
SB-55	02/17/05	0.0	0.0	0.0	0.0	0.0	1.2	2.3										1.5
SB-56	02/22/05	0.0	0.0	0.0	0.0	1.2	3.4	5.3										4.5
SB-57	02/22/05	0.0	0.0	10.2	12.5	22.5	29.2	914										914
SB-58	02/22/05	0.0	0.0	0.0	3.2	5.6	7.9	12.7										12.7
SB-59	02/22/05	0.0	0.0	0.0	1.4	4.6	7.2	10.1										10.1
SB-60	02/22/05	0.0	0.0	0.0	0.0	1.1	1.2	2.3										2.3
SB-61	02/22/05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0									0.0
SB-62	02/22/05	0.0	0.0	0.0	0.0	5.1	6.8	37.9										37.9
SB-63	02/22/05	0.0	0.0	0.0	0.0	0.0	0.0											0.0
SB-64	02/23/04	0.0	1.5	8.1	10.8	15.6	41.4	1015										1841
SB-65	02/23/04	0.0	0.0	1.3	3.4	8.4	18.8	60.7										83.1
SB-66	02/23/04	0.0	0.0	0.0	1.2	2.5												2.5
SB-67	02/23/04	4.1	6.2	14.5														6.2
SB-68	02/23/04	4.0	4.4	13.9														6.0
SB-69	02/23/04	0.8	5.0	3.2														3.2
SB-70	02/23/04	3.5	5.9	13.7														13.7
SB-71	02/23/04	1.2	0.0	13.7														13.7
SB-72	02/23/04	0.0	0.0	0.0	0.0	5.6	12.4	104										104
SB-73	02/23/04	0.0	0.0	0.0	1.2	4.2	6.4	6.5										6.5
SB-74	02/23/04	0.0	0.0	0.0	0.0	1.2	5.2	36.8										36.8
SB-75	02/23/04	0.0	0.0	0.0	0.0	0.0	0.5	3.2										1.4
SB-76	02/23/04	0.0	0.0	0.0	0.0	0.0	6.2	7.4										7.4
SB-77	02/23/04	0.0	0.0	2.7	6.3	12.0	25.1	105										105
SB-78	02/23/04	0.0	0.0	0.0	4.5	7.9	62.3	205										184
SB-79	02/24/05	0.0	0.0	0.0	0.0	0.0	0.0	0.0										0.0
WS-1	02/24/05																	31 ft
WS-2	02/24/05																	26 ft
WS-3	02/24/05																	24 ft
WS-4	02/24/05																	14 ft
WS-5	02/24/05																	14 ft
WS-6	02/24/05																	24 ft
WS-7	02/24/05																	28 ft
WS-8	02/24/05																	28 ft
WS-9	02/24/05																	28 ft
WS-10	02/24/05																	14 ft dry
WS-10a	02/24/05																	16 ft
DSB-1	02/24/05	4.3	6.5	8.6	12.4	20.1	60.7	387	1923	1975	1342	1219	987	875	912	443	195	

WS borings are direct-push groundwater samples only

Table 3
BTEX and PNA Analytical Results (mg/kg)
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene
RBSL		*0.007*	*1.45*	*1.15*	*14.5*	*0.036*
MW-57	03/21/05	**0.120**	0.064	0.011	0.038	<0.004
MW-58	03/22/05	**0.481**	0.008	0.054	0.023	0.032
MW-56	03/21/05	<0.001	<0.001	<0.001	<0.001	<0.004
MW-54	03/22/05	**0.015**	<0.002	<0.002	<0.002	<0.006
MW-53	03/22/05	**0.017**	<0.002	<0.002	<0.002	<0.005
MW-52	03/23/05	<0.002	<0.002	<0.002	<0.002	<0.004
MW-45	03/24/05	<0.002	<0.002	<0.002	<0.002	<0.004
MW-43	03/24/05	<0.002	<0.002	<0.002	<0.002	<0.004
MW-47	03/31/05	<0.002	<0.002	<0.002	<0.002	<0.004
MW-49	03/31/05	<0.002	<0.002	<0.002	<0.002	<0.004
MW-28	03/31/05	<0.002	<0.002	<0.002	<0.002	<0.004
MW-33	03/30/05	**0.818**	**2.400**	0.292	1.450	**<0.192**
MW-32	03/30/05	**0.017**	0.331	0.553	1.920	**0.876**
MW-35	03/30/05	**0.032**	0.081	0.058	0.144	0.015
MW-36	03/30/05	**0.020**	0.053	0.025	0.100	**0.112**
MW-34	04/01/05	**<0.074**	0.466	0.174	0.954	**<0.185**
MW-37	04/01/05	**0.100**	0.066	0.072	0.111	0.035
MW-38	04/04/05	<0.002	<0.002	<0.002	<0.002	<0.005
MW-39	04/04/05	<0.002	0.006	<0.002	0.005	0.010
MW-41	04/04/05	**0.121**	0.660	0.172	0.693	**0.073**

Table 4
Groundwater Field Parameter Measurements
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777

Well Number	Date	Dissolved oxygen mg/l	pH	Temperature Degrees Celcius	Conductivity us/cm
MW-1	11/18/03	NA	5.3	23.5	101
	04/19/05	3.1	5.4	18.1	183
MW-2	11/18/03	NA	5.2	23.8	95
	04/19/05	3.2	4.8	19.0	125
MW-3	10/27/03	NA	7.1	22.6	134
	04/19/05	1.1	4.9	17.1	845
MW-4	11/18/03	NA	5.6	24.7	114
	04/19/05	3.6	6.0	19.1	246
MW-5	10/27/03	NA	7.9	21.8	184
	04/19/05	2.9	6.0	19.8	84
MW-6	11/18/03	NA	5.1	24.5	124
	04/19/05	2.0	5.4	20.0	762
MW-7	11/18/03	NA	4.9	24.3	105
	04/19/05	3.4	5.8	20.1	146
MW-8	11/18/03	NA	4.9	24.6	85
	04/19/05	4.0	7.0	19.5	113
MW-9	11/18/03	LPH	LPH	LPH	LPH
	04/19/05	1.8	5.2	20.2	794
MW-10	11/18/03	LPH	LPH	LPH	LPH
	04/19/05	1.3	5.1	20.1	1243
MW-11	11/18/03	NA	4.8	22.8	65
	04/19/05	2.4	7.2	20.8	346
MW-12	11/18/03	NA	5.5	25.7	229
	04/21/05	3.2	6.4	19.4	107
MW-13	11/18/03	NA	4.6	23.8	192
	04/21/05	3.6	6.0	18.3	336

Well Number	Date	Dissolved oxygen mg/l	pH	Temperature Degrees Celcius	Conductivity us/cm
MW-15	11/18/03	LPH	LPH	LPH	LPH
	04/19/05	1.4	5.4	17.9	813
MW-16	11/18/03	NA	6.9	23.1	353
	04/21/05	1.8	5.1	18.6	722
MW-17	11/18/03	LPH	LPH	LPH	LPH
	04/21/05	1.4	4.9	19.2	694
MW-18	10/29/03	LPH	LPH	LPH	LPH
	04/20/05	1.0	5.2	19.6	988
MW-19	10/29/03	LPH	LPH	LPH	LPH
	04/20/05	1.2	5.1	19.6	617
MW-20	10/29/03	NA	4.7	21.1	568
	04/20/05	3.6	6.3	18.4	139
MW-21	10/29/03	NA	5.5	20.2	580
	04/20/05	Destroyed	Destroyed	Destroyed	Destroyed
MW-22	11/25/03	NA	5.5	23.1	255
	04/20/05	4.1	6.8	18.3	97
MW-23	11/25/03	NA	5.5	23.1	97
	04/20/05	2.9	6.5	19.6	86
MW-24	11/25/03	NA	4.7	24.3	102
	04/20/05	3.2	6.4	20.1	72
MW-25	10/29/03	NA	6.1	19.6	589
	04/20/05	2.4	6.0	18.4	804
MW-26	11/25/03	NA	4.5	24.1	89
	04/21/05	2.4	6.2	19.2	83
MW-5a	11/25/03	NA	6.7	22.9	95
MW-5aR	04/20/05	3.4	5.2	18.3	143
PW-1	10/29/03	NA	5.9	21.2	571
PW-1R	04/20/05	3.2	5.3	19.2	119
RW-1	10/29/03	LPH	LPH	LPH	LPH
RW-1R	04/20/05	2.0	6.0	18.1	72
MW-27	04/20/05	3.1	6.4	18.4	94
MW-28	04/20/05	3.6	7	19.1	105
MW-29	04/20/05	3.7	7.4	18.4	83
MW-30	04/20/05	3.1	6.3	17.8	41

Well Number	Date	Dissolved oxygen mg/l	pH	Temperature Degrees Celcius	Conductivity us/cm
MW-31	04/20/05	3.0	6.4	16.1	125
MW-32	04/21/05	2.8	6.9	18.4	215
MW-33	04/20/05	2.9	6.4	19.2	106
MW-34	04/20/05	3.1	7.1	18.3	113
MW-35	04/20/05	3.4	7.3	19.4	162
MW-36	04/20/05	3.8	6.1	20.1	168
MW-37	04/20/05	3.9	6	18.1	149
MW-38	04/20/05	2.4	6.7	20.0	131
MW-39	04/20/05	3.1	6.0	18.3	189
MW-40	04/20/05	3.0	6.7	17.9	174
MW-41	04/20/05	3.3	6.3	19.4	93
MW-42	04/20/05	3.0	6.3	19.3	62
MW-43	04/21/05	2.6	6.1	19.7	110
MW-44	04/21/05	2.8	6.7	18.6	234
MW-45	04/21/05	2.4	6.2	19.4	185
MW-46	04/21/05	3.0	6.3	18.3	106
MW-47	04/21/05	3.2	6.9	18.1	115
MW-48	04/21/05	2.5	7.0	18.5	245
MW-49	04/21/05	3.0	6.1	19.8	210
MW-50	04/21/05	3.1	6.4	18.7	116
MW-51	04/21/05	3.1	6.7	20.1	84
MW-52	04/21/05	3.0	6.5	18.8	135
MW-53	04/21/05	3.4	6.5	18.9	72
MW-54	04/21/05	2.9	6.7	18.1	64
MW-55	04/21/05	2.8	6.4	18.9	74
MW-56	04/21/05	3.4	6.3	19.2	81
MW-57	04/21/05	2.0	6.2	18.4	76
MW-58	04/21/05	2.1	6.1	19.1	84
MW-59	04/21/05	3.6	6.3	18.3	115
MW-60	04/21/05	3.6	6.4	17.2	96

Well Number	Date	Dissolved oxygen mg/l	pH	Temperature Degrees Celcius	Conductivity us/cm
DW-1	10/27/03	NA	10.9	21.0	1150
	04/20/05	3.1	7.8	18.3	484
DW-2	10/27/03	NA	9.7	20.7	147
	04/20/05	3.0	7.9	16.9	42
DW-3	12/30/03	NA	10.8	22.1	1232
	04/20/05	1.4	7.7	18.1	796
DW-4	04/21/05	2.9	6.3	18.6	142
DW-5	04/21/05	3.1	6.3	18.7	64
DW-6	04/20/05	3.6	6.4	19.0	52
DW-7	04/21/05	2.9	6	19.3	144
DW-8	04/21/05	4.0	5.7	19.1	131
Creek	11/18/03	NA	NA	NA	NA
SW-1	04/21/05	1.9	5.1	22.4	319
DW-9	05/17/05	5.0	6.6	22.2	68
MW-61	05/17/05	4.0	5.3	24.6	142
MW-62	05/17/05	3.9	4.8	24.2	398
MW-63	05/17/05	4.1	5.1	23.5	169
MW-64	05/17/05	2.9	5.6	23.9	143
MW-65	05/17/05	2.0	5.4	24.8	217
MW-66	05/17/05	3.2	5.9	24.2	29
MW-67	05/17/05	4.1	5.3	25.0	68
MW-68	05/18/05	3.9	6.2	25.4	112
MW-69	05/18/05	2.4	5.7	27.1	85
MW-70	05/18/05	3.5	5.9	26.4	69

Note: 1) The temperature was measured in degrees Celcius
2) NA - Not available

Table 5
BTEX and PNA Groundwater Analytical Results (ug/l)
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Napthalenes	1,2 DCA
RBSL		*5*	*1,000*	*700*	*10,000*	*40*	*25*	*NA*
MW-1	11/18/03	<1	1.3	<1	1.6	<1	<5	NS
	04/19/05	<1	<1	<1	<1	<1	<5	<1
MW-2	11/18/03	**17,900**	**34,600**	**3,630**	**17,000**	**6,150**	**<250**	NS
	04/19/05	**4,230**	**9,910**	**1,250**	8,540	**4,910**	**1,410**	<1
MW-3	10/27/03	**11,300**	**72,500**	**3,980**	**20,800**	**20,200**	**870**	NS
	04/19/05	**5,620**	**14,200**	**2,940**	7,530	**10,900**	**910**	<5
MW-4	11/18/03	<1	1.8	<1	2.8	1.2	<5	NS
	04/19/05	<1	<1	<1	<1	2.6	<5	<1
MW-5	10/27/03	**779**	968	336	2,020	**89.5**	**1240**	NS
	04/19/05	**1,140**	**4,790**	**1,940**	**10,400**	13	**570**	<1
MW-6	11/18/03	**13.2**	3.8	<1	66.5	<1	<5	NS
	04/19/05	**16.1**	1.5	<1	119.0	<1	7.1	<1
MW-7	11/18/03	<1	<1	<1	<1	<1	<5	NS
	04/19/05	<1	<1	<1	<1	<1	<5	<1
MW-8	11/18/03	<1	<1	<1	<1	<1	<5	NS
	04/19/05	<1	<1	<1	<1	<1	<5	<1
MW-9	11/18/03	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	NS
	04/19/05	**2,280**	**9,010**	**773**	**5,230**	34.3	**900**	<1
MW-10	11/18/03	**.10' LPH**	**.10' LPH**	**.10' LPH**	**.10' LPH**	**.10' LPH**	**.10' LPH**	NS
	04/19/05	**6,200**	**23,800**	**3,320**	**33,200**	**890**	**1,440**	422
MW-11	11/18/03	**28.4**	46.4	1.2	9.3	<1	<5	NS
	04/19/05	**34.5**	20.0	2.0	8.0	<1	<5	<1
MW-12	11/18/03	**5,400**	125	489	203	**682**	**<50**	NS
	04/21/05	**8,550**	**4,000**	**1,460**	2,640	**69**	**314**	<1
MW-13	11/18/03	**120**	<1	17	43	8	<5	NS
	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-15	11/18/03	**.03' LPH**	**.03' LPH**	**.03' LPH**	**.03' LPH**	**.03' LPH**	**.03' LPH**	NS
	04/19/05	**565**	**1,950**	617	3,760	5.6	**859**	<1
MW-16	11/18/03	**436**	300	66	244	<10	**<50**	NS
	04/21/05	<1	1.6	<1	7.7	<1	<5	<1
MW-17	11/18/03	**.65' LPH**	**.65' LPH**	**.65' LPH**	**.65' LPH**	**.65' LPH**	**.65' LPH**	NS
	04/21/05	**4,720**	**32,600**	**4,440**	**23,700**	2.2	**620**	<1
MW-18	10/29/03	**.13' LPH**	**.13' LPH**	**.13' LPH**	**.13' LPH**	**.13' LPH**	**.13' LPH**	NS
	04/20/05	**6,910**	**17,400**	**2,530**	**13,800**	**8,920**	**1,580**	<10
MW-19	10/29/03	**.02' LPH**	**.02' LPH**	**.02' LPH**	**.02' LPH**	**.02' LPH**	**.02' LPH**	NS
	04/20/05	**18,200**	**63,600**	**2,980**	**16,300**	**962**	**2,290**	<10

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Napthalenes	1,2 DCA
MW-20	10/29/03	**24,200**	**38,600**	**2,760**	**12,800**	**6,300**	**1,050**	NS
	04/20/05	**12,800**	**23,400**	**1,630**	**12,400**	**18000**	**1430**	<10
MW-21	10/29/03	**18.9**	240	537	3,830	<1	**116**	NS
	04/20/05	destroyed	destroyed	destroyed	destroyed	destroyed	destroyed	destroyed
MW-22	11/25/03	**30,000**	**48,200**	**6,550**	**31,900**	**1,560**	**3,380**	NS
	04/20/05	**800**	**3,640**	126	760	**1,800**	**148**	<20
MW-23	11/25/03	**43,000**	**85,500**	**4,140**	**85,000**	**5,800**	**1,140**	NS
	04/20/05	**1,770**	**1,250**	195	1,650	**1,390**	**140**	<10
MW-24	11/25/03	**35,000**	**37,600**	**2,760**	**12,300**	**7,750**	**595**	NS
	04/20/05	**1,340**	**1,520**	98	1,730	**610**	**66.5**	<5
MW-25	10/29/03	**10,300**	**37,400**	**3,300**	**17,600**	**80.0**	**1,080**	NS
	04/20/05	**6,900**	**41,800**	**7,800**	**45,600**	17.7	**3,180**	<1
MW-26	11/25/03	<1	<1	<1	<1	<1	<5	NS
	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-5a	10/27/03	**376**	960	510	2,560	<1	**89.8**	NS
MW-5aR	04/20/05	**2,250**	**3,100**	**1,500**	7,740	**2,500**	**796**	<20
PW-1	10/29/03	**3,230**	90	343	924	**1,850**	**290**	NS
PW-1R	04/20/05	**2,740**	**2,640**	**732**	2,460	**2,040**	**250**	<1
RW-1	10/29/03	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	NS
RW-1R	04/20/05	**9,700**	**17,000**	**2,800**	7,150	**3,100**	**932**	<20
MW-27	04/20/05	<1	1	<1	<1	<1	<5	<1
MW-28	04/20/05	<1	<1	<1	<1	<1	<5	<1
MW-29	04/20/05	<1	<1	<1	<1	<1	<5	<1
MW-30	04/20/05	<1	<1	<1	<1	<1	<5	<1
MW-31	04/20/05	**227**	251	261	450	2.2	**82.9**	<1
MW-32	04/21/05	**264**	740	406	2,440	<5	**176**	6.5
MW-33	04/20/05	**3,860**	**7,820**	938	4,660	25.6	**164**	<1
MW-34	04/20/05	**2,020**	**9,180**	**1,840**	**10,300**	<1	**1,060**	<1
MW-35	04/20/05	**4,090**	**4,060**	296	1,590	**1,730**	**238**	<10
MW-36	04/20/05	**302**	621	165	427	3.7	**29.4**	<1
MW-37	04/20/05	**764**	**1,750**	**780**	1,870	<1	**158**	<1
MW-38	04/20/05	<1	<1	<1	<1	<1	<5	<1
MW-39	04/20/05	**3,680**	**23,200**	**3,050**	**16,800**	**66.0**	**2,120**	<20
MW-40	04/20/05	**1,940**	**7,660**	**3,880**	5,220	1.8	**1,140**	<1
MW-41	04/20/05	**869**	**8,580**	462	2,370	<1	**182**	<1
MW-42	04/20/05	**16.0**	**2,460**	546	2,980	<1	**124**	<1
MW-43	03/24/05	<1	<1	<1	<1	<1	<5	<1
MW-43	04/21/05	<1	1	<1	<1	<1	<5	<1
MW-44	03/24/05	<1	<1	<1	<1	<1	<5	<1
MW-44	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-45	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-46	04/21/05	<1	<1	<1	<1	<1	<5	<1

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Napthalenes	1,2 DCA
MW-47	04/21/05	**5.8**	<1	<1	7.5	<1	<5	<1
MW-48	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-49	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-50	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-51	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-52	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-53	04/21/05	1.3	<1	<1	<1	<1	<5	<1
MW-54	04/21/05	**139**	<1	<1	2.8	14.8	<5	<1
MW-55	04/21/05	**213**	<1	5.8	<1	**329**	16.9	18.6
MW-56	03/22/05	<1	<1	<1	<1	<1	<5	NS
	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-57	03/22/05	**2,500**	**1,900**	360	1,400	**970**	**<50**	NS
	04/21/05	**8,390**	**5,400**	**1,170**	**4,390**	**1,590**	**240**	<1
MW-58	04/21/05	**5,920**	162	380	159	**442**	**218**	<1
MW-59	03/22/05	<1	<1	<1	<1	<1	<5	NS
	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-60	04/21/05	1.0	<1	<1	<1	<1	<5	<1
DW-1	10/27/03	<1	4.1	1.7	9	<1	<5	NS
	04/20/05	<1	<1	<1	<1	<1	<5	<1
DW-2	10/27/03	2.0	1.6	<1	1.6	4.6	<5	NS
	04/20/05	3.1	6.7	1.1	5.8	4.8	**<5**	<1
DW-3	12/30/03	**7,160**	**5,320**	**1,130**	2,660	**2,260**	**256**	<1
	04/20/05	**6,350**	**4,600**	265	2,400	**5,350**	**86.7**	<1
DW-4	04/21/05	**74.0**	380	102	524	11.5	**48.0**	9.5
DW-5	04/21/05	2.8	6.4	1.4	1.8	<1	<5	1.9
DW-6	04/20/05	<1	3.2	<1	3.2	<1	<5	<1
DW-7	04/21/05	**87.0**	69.4	11.2	33.1	17.2	8.0	<1
DW-8	04/21/05	<1	<1	<1	<1	<1	<5	<1
Creek	11/18/03	<1	<1	<1	<1	1	<5	NS
SW-1	04/21/05	**200**	38.1	11.7	28.8	**143**	<5	4.7
ST-1	06/02/05	**390**	110	31.0	67.0	**140**	5.3	NS
DW-9	05/17/05	**6.8**	1.5	<1	<1	<1	<5	NS
MW-61	05/17/05	<1	<1	<1	<1	<1	<5	NS
MW-62	05/17/05	<1	<1	<1	<1	<1	<5	NS
MW-63	05/17/05	<1	<1	<1	<1	<1	<5	NS
MW-64	05/17/05	**2,460**	76.6	382	48.8	**444**	**151**	NS
MW-65	05/17/05	**2,860**	**2,610**	**1,760**	1,720	**43.7**	**745**	NS
MW-66	05/17/05	3.8	2.3	5.2	318	<1	**80.1**	NS
MW-67	05/17/05	<1	<1	<1	2.6	<1	<5	NS
MW-68	05/18/05	**6.6**	<1	<1	<1	<1	<5	NS
MW-69	05/18/05	<1	<1	<1	<1	<1	<5	NS
MW-70	05/18/05	<1	<1	<1	<1	<1	<5	NS

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Napthalenes	1,2 DCA
WS-1 31'	02/23/05	<1	1.4	1.3	6.7	<1	<5	NS
WS-2 26'	02/24/05	<1	<1	<1	<1	<1	<5	NS
WS-3 24'	02/24/05	<1	<1	<1	<1	<1	<5	NS
WS-4 14'	02/24/05	<1	<1	<1	<1	<1	<5	NS
WS-5 14'	02/24/05	**972**	<1	16.3	<1	**516**	**39.2**	NS
WS-6 24'	02/24/05	<1	<1	<1	2.4	<1	<5	NS
WS-7 28'	02/24/05	<1	<1	<1	<1	<1	<5	NS
WS-8 28'	02/24/05	<1	<1	<1	<1	<1	<5	NS
WS-9 28'	02/24/05	<1	<1	<1	<1	<1	<5	NS
WS-10 16'	02/24/05	**4,300**	113	93	148	**506**	**142**	NS

Table 6
Groundwater Natural Attenuation, EDB, and Lead Results
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777

Well Number	Date	EDB (ug/l)	Total 8-Oxygenates	Total Lead (mg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Dissolved Iron (mg/l)	Methane (mg/l)
RBSL		0.05	NA	0.015	NA	NA	N/A	N/A
MW-1	11/18/03	<0.02	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	101.8	<0.005	NM	NM	NM	NM
MW-2	11/18/03	**108**	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	14,463	**0.211**	NM	NM	NM	NM
MW-3	10/27/03	**66.1**	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	19,820	**1.050**	NM	NM	NM	NM
MW-4	11/18/03	**0.15**	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	<10	<0.005	NM	NM	NM	NM
MW-5	10/27/03	**1.62**	NM	NA	NA	NA	NA	NM
	04/19/05	**2.81**	1,478	**0.289**	NM	NM	NM	NM
MW-6	11/18/03	<0.02	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	533.5	0.006	NM	NM	NM	NM
MW-7	11/18/03	<0.02	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	<10	0.009	NM	NM	NM	NM
MW-8	11/18/03	<0.02	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	<10	<0.005	NM	NM	NM	NM
MW-9	11/18/03	NM	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	4,680.3	**0.029**	NM	NM	NM	NM
MW-10	11/18/03	NM	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	30,884	<0.005	NM	NM	NM	NM
MW-11	11/18/03	<0.02	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	1,742.5	<0.005	NM	NM	NM	NM
MW-12	11/18/03	0.04	NM	NA	NA	NA	NA	NM
	04/21/05	**0.10**	11,668.3	<0.005	NM	NM	NM	NM

Well Number	Date	EDB (ug/l)	Total 8-Oxygenates	Total Lead (mg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Dissolved Iron (mg/l)	Methane (mg/l)
MW-13	11/18/03	<0.02	NM	NA	NA	NA	NA	NM
	04/21/05	<0.02	<10	<0.005	NM	NM	NM	NM
MW-15	11/18/03	NM	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	1,185.3	<0.005	NM	NM	NM	NM
MW-16	11/18/03	<0.02	NM	NA	NA	NA	NA	NM
	04/21/05	<0.02	187.7	<0.005	NM	NM	NM	NM
MW-17	11/18/03	NM	NM	NA	NA	NA	NA	NM
	04/21/05	<0.02	15,212.9	**0.048**	NM	NM	NM	NM
MW-18	10/29/03	NM	NM	NA	NA	NA	NA	NM
	04/20/05	**11.2**	37,669	**0.131**	NM	NM	NM	NM
MW-19	10/29/03	NM	NM	NA	NA	NA	NA	NM
	04/20/05	**24.1**	18,420	**0.085**	NM	NM	NM	NM
MW-20	10/29/03	<0.02	NM	NA	NA	NA	NA	NM
	04/20/05	<0.02	24,311	**0.222**	NM	NM	NM	NM
MW-21	10/29/03	<0.02	NM	NA	NA	NA	NA	NM
	04/20/05	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed
MW-22	11/25/03	<0.02	NM	NA	NA	NA	NA	NM
	04/20/05	0.04	10,104	<0.005	NM	NM	NM	NM
MW-23	11/25/03	**3.51**	NM	NA	NA	NA	NA	NM
	04/20/05	<0.02	6,384	**0.026**	NM	NM	NM	NM
MW-24	11/25/03	**168**	NM	NA	NA	NA	NA	NM
	04/20/05	**26.3**	6,549	**0.123**	NM	NM	NM	NM
MW-25	10/29/03	<0.02	NM	NA	NA	NA	NA	NM
	04/20/05	<0.02	154	**0.106**	NM	NM	NM	NM
MW-26	11/25/03	0.05	NM	NA	NA	NA	NA	NM
	04/21/05	<0.02	<10	<0.005	NM	NM	NM	NM

Well Number	Date	EDB (ug/l)	Total 8-Oxygenates	Total Lead (mg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Dissolved Iron (mg/l)	Methane (mg/l)
MW-5a	10/27/03	<0.02	NM	NA	NA	NA	NA	NM
MW-5aR	04/20/05	<0.02	11,498	**0.017**	NM	NM	NM	NM
PW-1	10/29/03	<0.02	NM	NA	NA	NA	NA	NM
PW-1R	04/20/05	<0.02	10,397	<0.005	NM	NM	NM	NM
RW-1	10/29/03	NM	NM	NA	NA	NA	NA	NM
RW-1R	04/20/05	**4.32**	24,210	**0.05**	NM	NM	NM	NM
MW-27	04/20/05	**11.1**	<10	<0.005	4.85	61.2	0.556	<0.026
MW-28	04/20/05	**5.17**	<10	<0.005	2.54	33	0.087	<0.026
MW-29	04/20/05	<0.02	<10	**0.086**	2.64	21.4	0.068	<0.026
MW-30	04/20/05	<0.02	<10	<0.005	1.49	48.8	0.102	<0.026
MW-31	04/20/05	<0.02	1,429	<0.005	<0.1	<1.0	12.8	<0.026
MW-32	04/21/05	<0.02	3,769	<0.005	0.12	21.9	0.923	<0.026
MW-33	04/20/05	<0.02	14,747.5	**0.027**	0.3	24.2	9.99	<0.026
MW-34	04/20/05	<0.02	813.1	<0.005	<0.1	5.85	1.69	<0.026
MW-35	04/20/05	0.03	15,432	**0.036**	4.62	2.01	5.3	<0.026
MW-36	04/20/05	**0.48**	2,326	<0.005	<0.1	20.5	4.63	<0.026
MW-37	04/20/05	**2.01**	2,536.6	<0.005	<0.1	1.88	8.11	<0.026
MW-38	04/20/05	<0.02	<10	<0.005	3.47	5.02	1.03	<0.026
MW-39	04/20/05	<0.02	4,100	**0.121**	<0.1	16.9	<0.05	<0.026
MW-40	04/20/05	<0.02	3,250.7	0.01	<0.1	1.28	0.493	<0.026
MW-41	04/20/05	**1.98**	150.9	<0.005	0.11	70	0.947	<0.026
MW-42	04/20/05	**1.15**	82.4	<0.005	0.54	7.05	0.476	<0.026
MW-43	04/21/05	<0.02	<10	<0.005	4.09	1.92	<0.05	<0.026
MW-44	04/21/05	<0.02	<10	<0.005	4.09	<1.0	0.212	<0.026
MW-45	04/21/05	<0.02	<10	0.012	6.14	13.6	<0.05	<0.026
MW-46	04/21/05	<0.02	<10	<0.005	5.64	<1.0	1.22	<0.026

Well Number	Date	EDB (ug/l)	Total 8-Oxygenates	Total Lead (mg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Dissolved Iron (mg/l)	Methane (mg/l)
MW-47	04/21/05	<0.02	4,133.2	<0.005	4.58	6.15	0.056	<0.026
MW-48	04/21/05	<0.02	49.9	0.007	8.85	126	<0.05	<0.026
MW-49	04/21/05	<0.02	<10	<0.005	18.4	61	<0.05	<0.026
MW-50	04/21/05	<0.02	<10	<0.005	0.67	51.5	<0.05	<0.026
MW-51	04/21/05	<0.02	<10	<0.005	4.52	1.7	<0.05	<0.026
MW-52	04/21/05	<0.02	<10	<0.005	4.74	4.14	0.821	<0.026
MW-53	04/21/05	<0.02	628.8	<0.005	1.48	14.6	3.01	<0.026
MW-54	04/21/05	<0.02	314.7	**0.06**	<0.1	24.6	<0.05	1.53
MW-55	04/21/05	<0.02	1,005.4	<0.005	<0.1	19.9	1.68	<0.026
MW-56	04/21/05	<0.02	<10	<0.005	4.25	36.4	<0.05	0.076
MW-57	04/21/05	0.05	1,259	<0.005	<0.1	5.21	2.22	2.62
MW-58	04/21/05	<0.02	10,668	**0.017**	<0.1	65	2.76	0.293
MW-59	04/21/05	<0.02	<10	**0.022**	1.37	21.5	<0.05	<0.026
MW-60	04/21/05	<0.02	<10	0.005	0.32	18.2	<0.05	0.033
DW-1	10/27/03	<0.02	NM	NA	NA	NA	NA	NM
	04/20/05	<0.02	17.4	<0.005	NM	NM	NM	NM
DW-2	10/27/03	<0.02	NM	NA	NA	NA	NA	NM
	04/20/05	<0.02	4.8	<0.005	NM	NM	NM	NM
DW-3	12/30/03	0.05	NM	NA	NA	NA	NA	NM
	04/20/05	**1.08**	15,300	<0.005	NM	NM	NM	NM
DW-4	04/21/05	**1.46**	159.5	<0.005	0.75	17.5	<0.05	<0.026
DW-5	04/21/05	<0.02	<10	<0.005	0.44	80.3	<0.05	<0.026
DW-6	04/20/05	**0.11**	<10	0.023	0.36	37.5	<0.05	<0.026
DW-7	04/21/05	<0.02	53.6	0.008	0.51	35	<0.05	<0.026
DW-8	04/21/05	<0.02	<10	**0.034**	0.72	87.1	<0.05	<0.026
Creek	11/18/03	NM	NM	NA	NA	NA	NA	NM
SW-1	04/21/05	<0.02	580.8	<0.005	NM	NM	NM	NM

Well Number	Date	EDB (ug/l)	Total 8-Oxygenates	Total Lead (mg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Dissolved Iron (mg/l)	Methane (mg/l)
DW-9	06/02/05	NM	NM	NM	NM	NM	NM	NM
MW-61	06/02/05	NM	NM	NM	NM	NM	NM	NM
MW-62	06/02/05	<0.02	NM	NM	NM	NM	NM	NM
MW-63	06/02/05	<0.02	NM	NM	NM	NM	NM	NM
MW-64	06/02/05	0.025	NM	NM	NM	NM	NM	NM
MW-65	06/02/05	**0.26**	NM	NM	0.35	NM	4.0	NM
MW-66	06/02/05	<0.02	NM	NM	5.1	NM	1.2	NM
MW-67	06/02/05	<0.02	NM	NM	NM	NM	NM	NM
MW-68	06/02/05	<0.02	NM	NM	NM	NM	NM	NM
MW-69	06/02/05	<0.02	NM	NM	3.4	NM	<0.50	NM
MW-70	06/02/05	<0.02	NM	NM	NM	NM	NM	NM

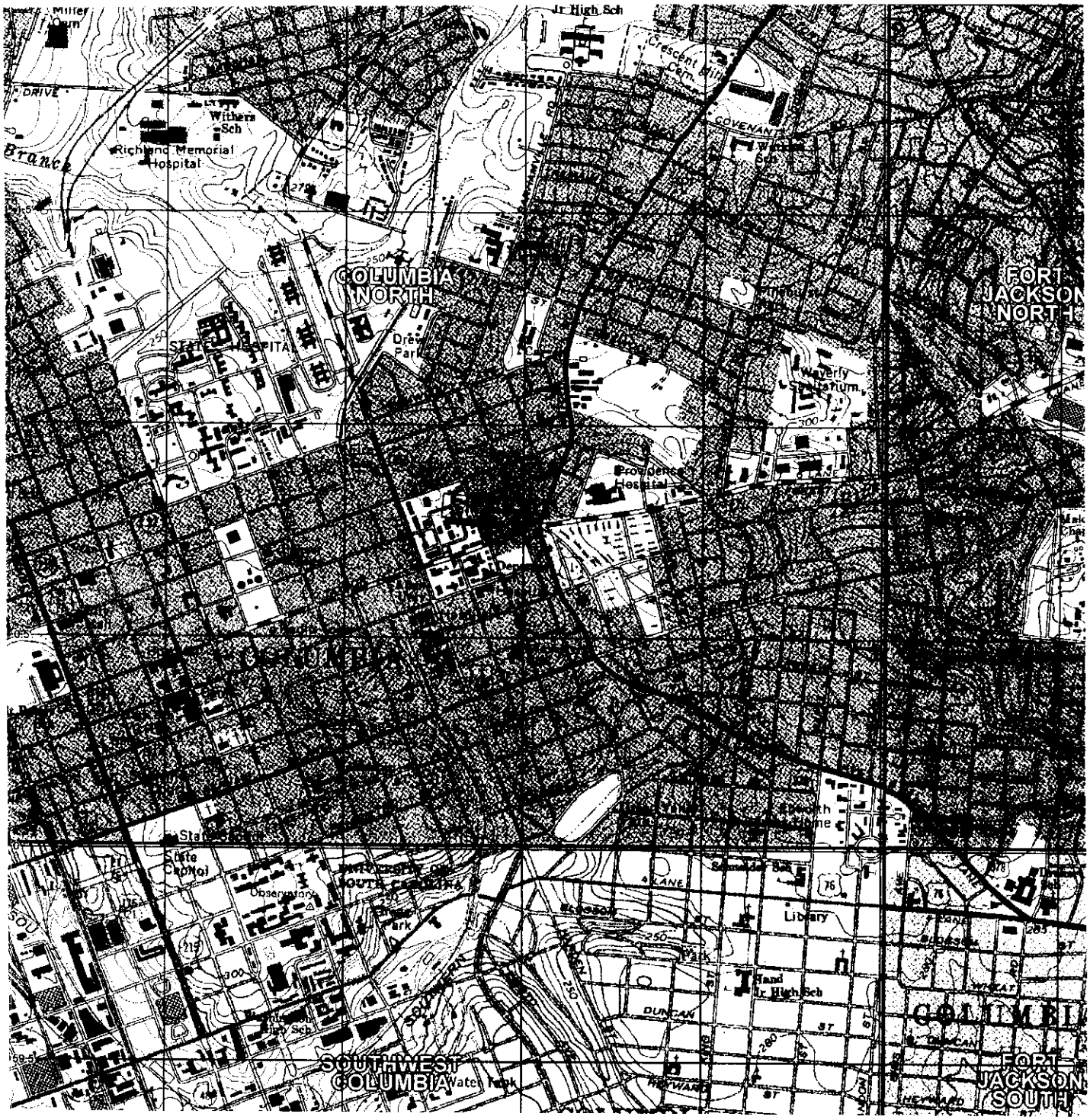
Table 7
Groundwater 8 - Oxygenates
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777

Well Number	Date	Ethyl-t-butylether (ug/l)	Tert-amyl methyl ether (ug/l)	Tertiary butyl alcohol (ug/l)	Ethanol (ug/l)	T-amyl alcohol (ug/l)	T-butyl Formate (ug/l)	Ethyl-t-butyl alcohol (ug/l)	Diisopropyl ether (ug/l)
RBSL		NA	NA	NA	NA	NA	N/A	NA	N/A
MW-1	04/19/05	<1.0	<1.0	45.4	<100	56.4	<10.0	<10.0	<5.0
MW-2	04/19/05	<1.0	114	1380	<100	11000	<10.0	1650	319
MW-3	04/19/05	<5	120	1200	<500	15200	<50	2490	810
MW-4	04/19/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-5	04/19/05	<1.0	<1.0	<10.0	<100	920	<10.0	558	<5.0
MW-6	04/19/05	<1.0	<1.0	38.5	<100	391	<10.0	104	<5.0
MW-7	04/19/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-8	04/19/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-9	04/19/05	<1.0	17.3	130	<100	3950	<10.0	463	120
MW-10	04/19/05	<20	300.0	834	<2000	22400	<200	4180	2280
MW-11	04/19/05	<1.0	<1.0	26.5	<100	1540	<10.0	176	<5.0
MW-12	04/21/05	<1.0	91.3	191	<100	9840	<10.0	730	816
MW-13	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-15	04/20/05	<1.0	<1.0	36.3	<100	957	<10.0	192	<5.0
MW-16	04/21/05	<1.0	<1.0	<10.0	<100	171	<10.0	16.7	<5.0
MW-17	04/21/05	<1.0	<1.0	97.8	<100	13800	<10.0	1260	55.1
MW-18	04/20/05	<1.0	759	1170	<100	28800	<10.0	4900	2040
MW-19	04/20/05	<1.0	607	1740	<100	9730	<10.0	4040	2910
MW-20	04/20/05	<10	641	3920	<1000	14600	<100	2950	2200

Well Number	Date	Ethyl-t-butylether (ug/l)	Tert-amyl methyl ether (ug/l)	Tertiary butyl alcohol (ug/l)	Ethanol (ug/l)	T-amyl alcohol (ug/l)	T-butyl Formate (ug/l)	Ethyl-t-butyl alcohol (ug/l)	Diisopropyl ether (ug/l)
MW-22	04/20/05	<20	788	484	<2000	5540	<200	872	2420
MW-23	04/20/05	<1.0	83	<10.0	<100	5210	<10.0	777	314
MW-24	04/20/05	<1.0	60	<10.0	<100	4890	<10.0	1150	449
MW-25	04/20/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	154
MW-26	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-5aR	04/20/05	<20	1430	608	<2000	5120	<200	1100	3240
PW-1R	04/20/05	<1.0	171	<10.0	<100	8380	<10.0	1210	636
RW-1R	04/20/05	<20	1080	1470	<2000	14500	<200	3320	3840
MW-27	04/20/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-28	04/20/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-29	04/20/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-30	04/20/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-31	04/20/05	<1.0	<1.0	<10.0	<100	1100	<10.0	329	<5.0
MW-32	04/21/05	<5	<5	202	<500	3220	<50	347	<25
MW-33	04/20/05	<1.0	65.5	<10.0	<100	13100	<10.0	1190	392
MW-34	04/20/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	779	34.1
MW-35	04/20/05	<10	286	536	<1000	11400	<100	2010	1200
MW-36	04/20/05	<1.0	<1.0	<10.0	<100	2000	<10.0	326	<5.0
MW-37	04/20/05	<1.0	2.4	<10.0	<100	1420	<10.0	1100	14.2
MW-38	04/20/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-39	04/20/05	<20	<20	<200	<2000	2180	<200	1920	<100
MW-40	04/20/05	<1.0	17.7	<10.0	1130	630	<10.0	1290	183
MW-41	04/20/05	<1.0	1.6	<10.0	<100	<10.0	<10.0	130	19.3
MW-42	04/20/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	82.4	<5.0
MW-43	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-44	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-45	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0

Well Number	Date	Ethyl-t-butylether (ug/l)	Tert-amyl methyl ether (ug/l)	Tertiary butyl alcohol (ug/l)	Ethanol (ug/l)	T-amyl alcohol (ug/l)	T-butyl Formate (ug/l)	Ethyl-t-butyl alcohol (ug/l)	Diisopropyl ether (ug/l)
MW-46	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-47	04/21/05	<1.0	<1.0	54.2	<100	3710	<10.0	369	<5.0
MW-48	04/21/05	<1.0	<1.0	<10.0	<100	49.9	<10.0	<10.0	<5.0
MW-49	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-50	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-51	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-52	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-53	04/21/05	<1.0	<1.0	19.9	<100	533	<10.0	75.9	<5.0
MW-54	04/21/05	<1.0	5.2	<10.0	<100	263	<10.0	17.5	29
MW-55	04/21/05	<1.0	11.2	129	<100	724	<10.0	59.2	63.4
MW-56	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-57	04/21/05	<1.0	129	<10.0	<100	<10.0	<10.0	344	786
MW-58	04/21/05	<1.0	<1.0	<10.0	<100	9900	<10.0	288	480
MW-59	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-60	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
DW-1	04/20/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	17.4
DW-2	04/20/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
DW-3	04/20/05	<1.0	360	1810	<100	11700	<10.0	<10.0	1430
DW-4	04/21/05	<5	<5	<50	<500	150	<50	<50	<25
DW-5	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
DW-6	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
DW-7	04/21/05	<1.0	3.3	<10.0	<100	<10.0	<10.0	35.8	14.5
DW-8	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
SW-1	04/21/05	<1.0	11	37	<100	422	<10.0	38.9	67.2

FIGURES



REFERENCE: COLUMBIA NORTH, SOUTH CAROLINA QUADRANGLE MAP, 7.5 MINUTE SERIES, U.S. GEOLOGIC SURVEY

SCALE 1 : 24,000

0 2,000 4,000

SCALE IN FEET



QUADRANGLE LOCATION

DRAWN: L.B.I.	DATE: 12/14/04
PROJECT: HANDY PANTRY #65,UST# 07584	
PROJECT: CLOUDS CHEVRON UST# 07777	
PROJECT No.: 04-12-008, 04-12-009	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 1
SITE LOCATION AND TOPOGRAPHIC MAP

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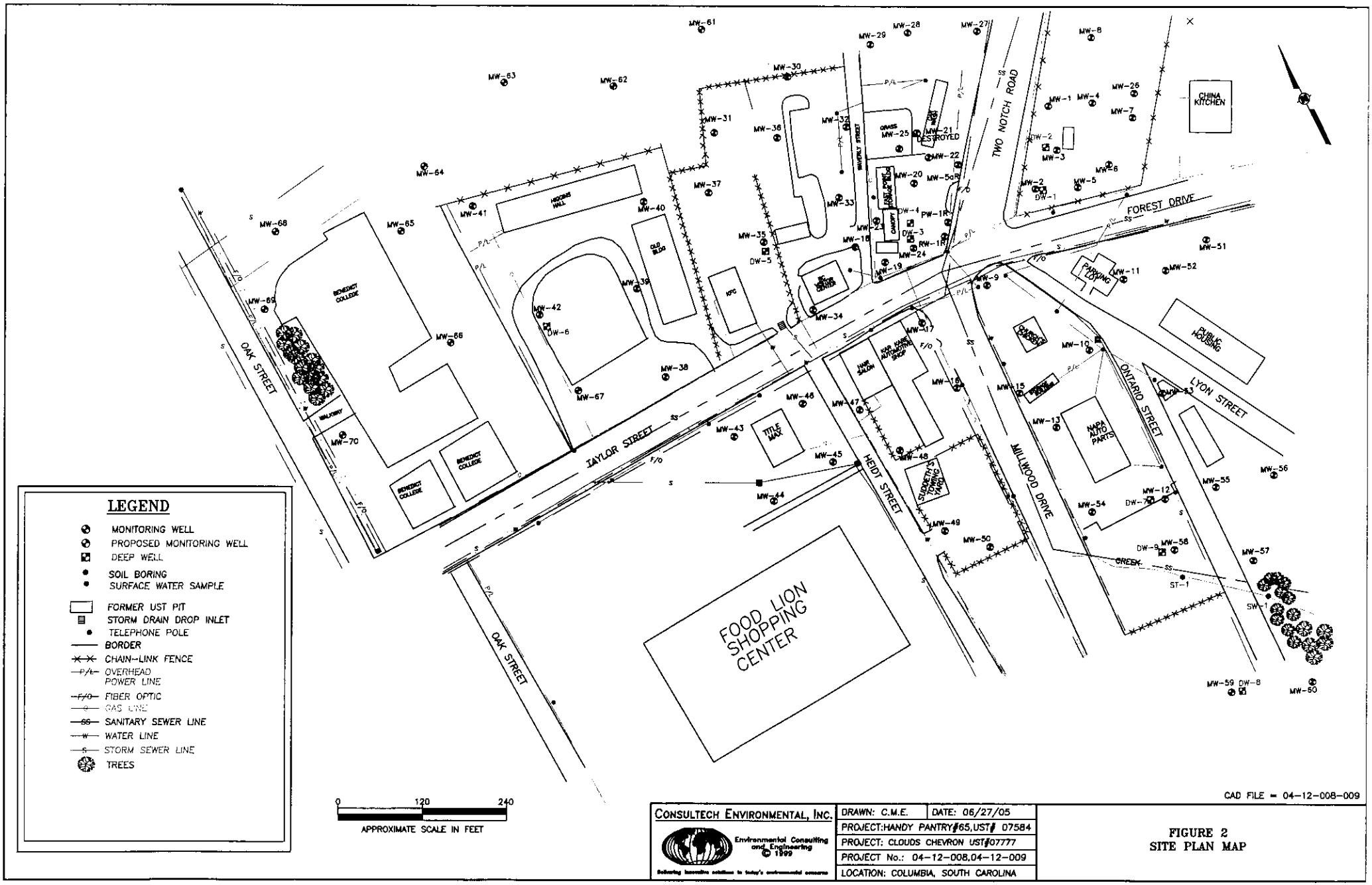
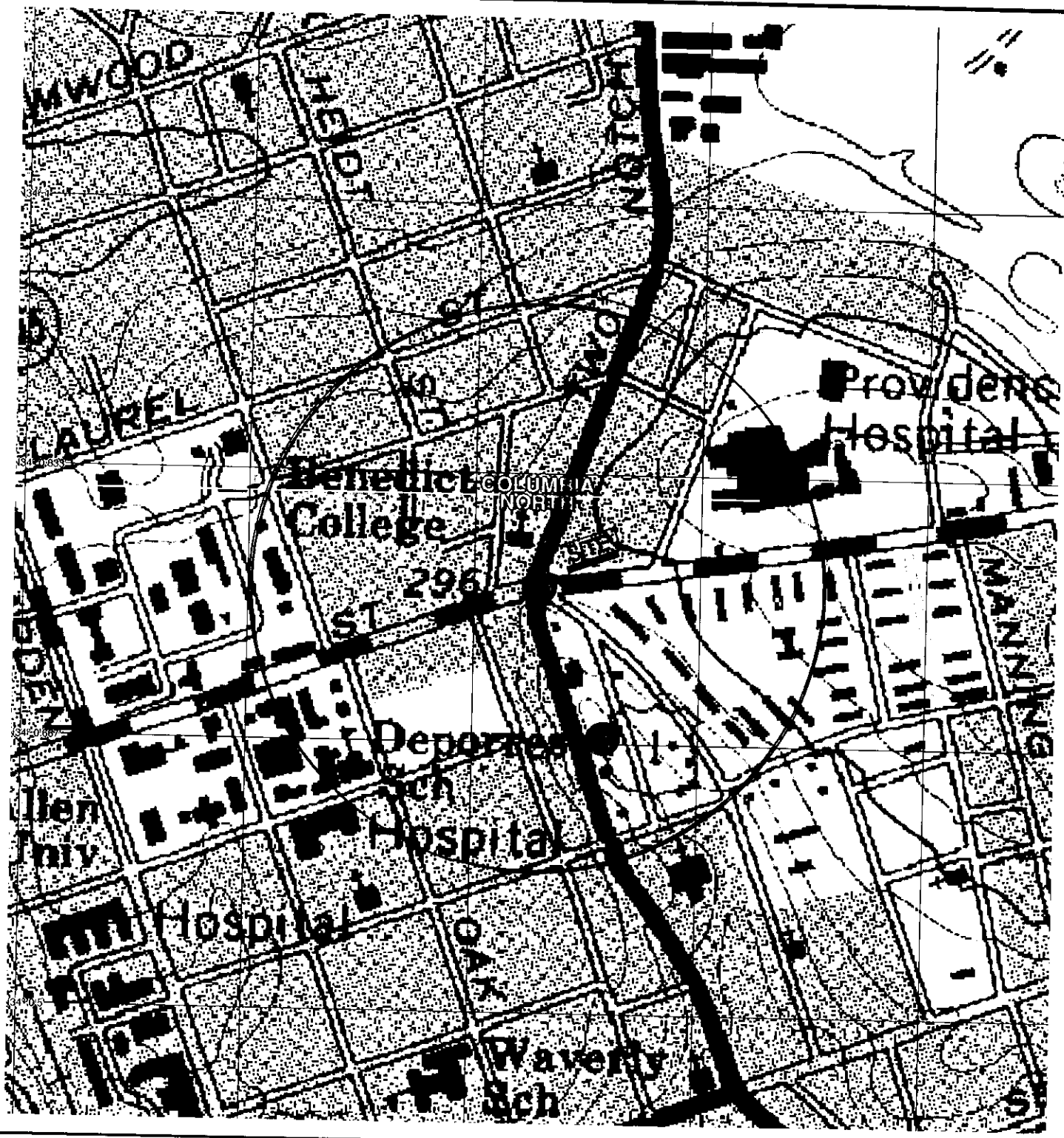


CAD FILE = 04-12-008-009

CONSULTECH ENVIRONMENTAL, INC. Environmental Consulting and Engineering © 1999	DRAWN: C.M.E.	DATE: 06/27/05
	PROJECT:HANDY PANTRY#65,UST# 07584	
	PROJECT: CLOUDS CHEVRON UST#07777	
	PROJECT No.: 04-12-008,04-12-009	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 2
SITE PLAN MAP

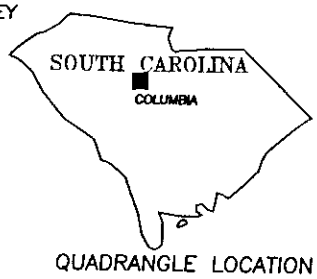


REFERENCE: COLUMBIA NORTH, SOUTH CAROLINA QUADRANGLE MAP, 7.5 MINUTE SERIES, U.S. GEOLOGIC SURVEY

SCALE 1" : 6,400"

0 500 1,000

SCALE IN FEET



QUADRANGLE LOCATION

DRAWN: C.M.E.	DATE: 05/23/05
PROJECT: HANDY PANTRY #65, UST#07584	
PROJECT: CLOUDS CHEVRON UST# 07777	
PROJECT No.: C-04-12-008, 04-12-009	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 3
SITE WITH POTENTIAL RECEPTORS AND TOPOGRAPHIC MAP

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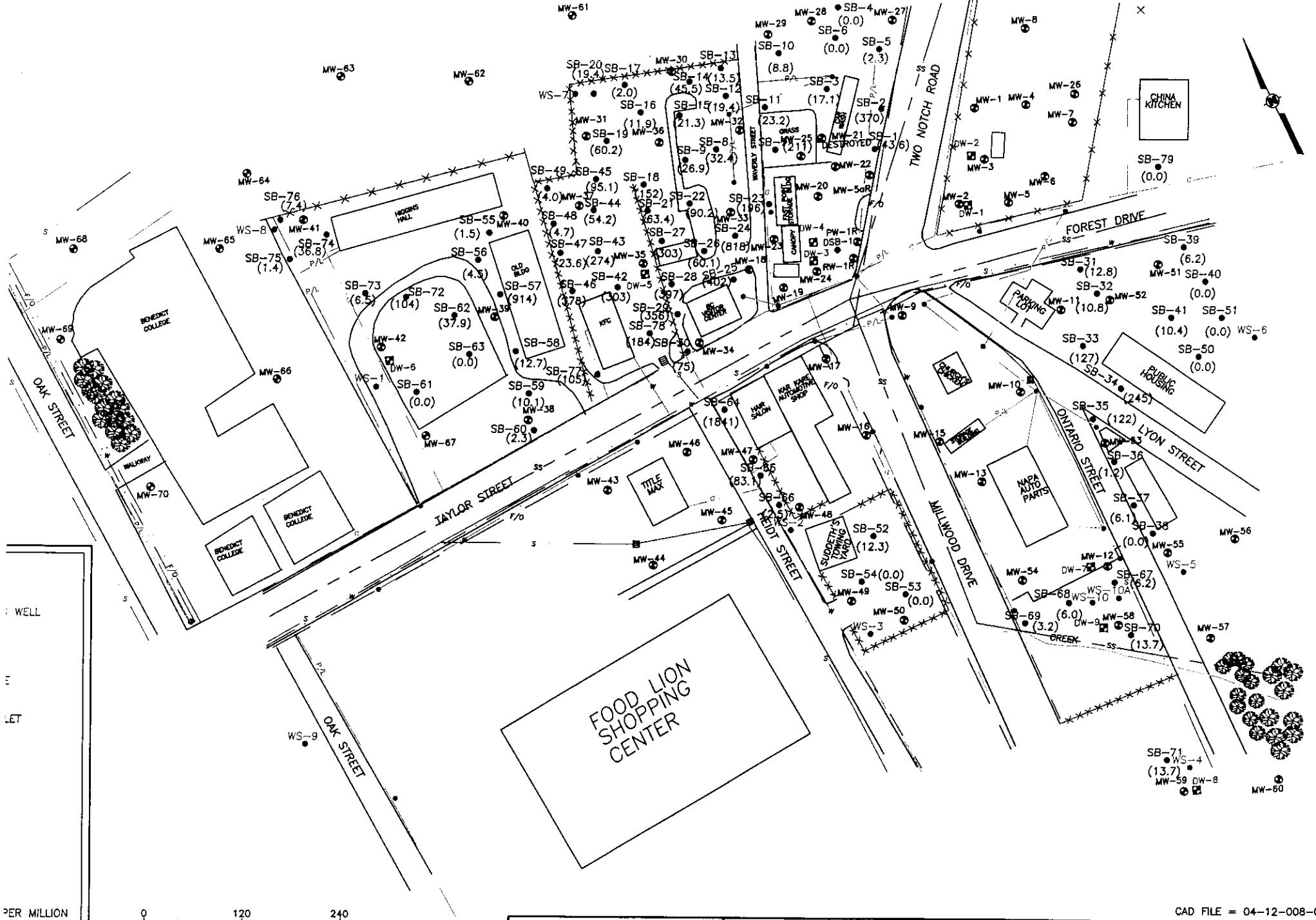

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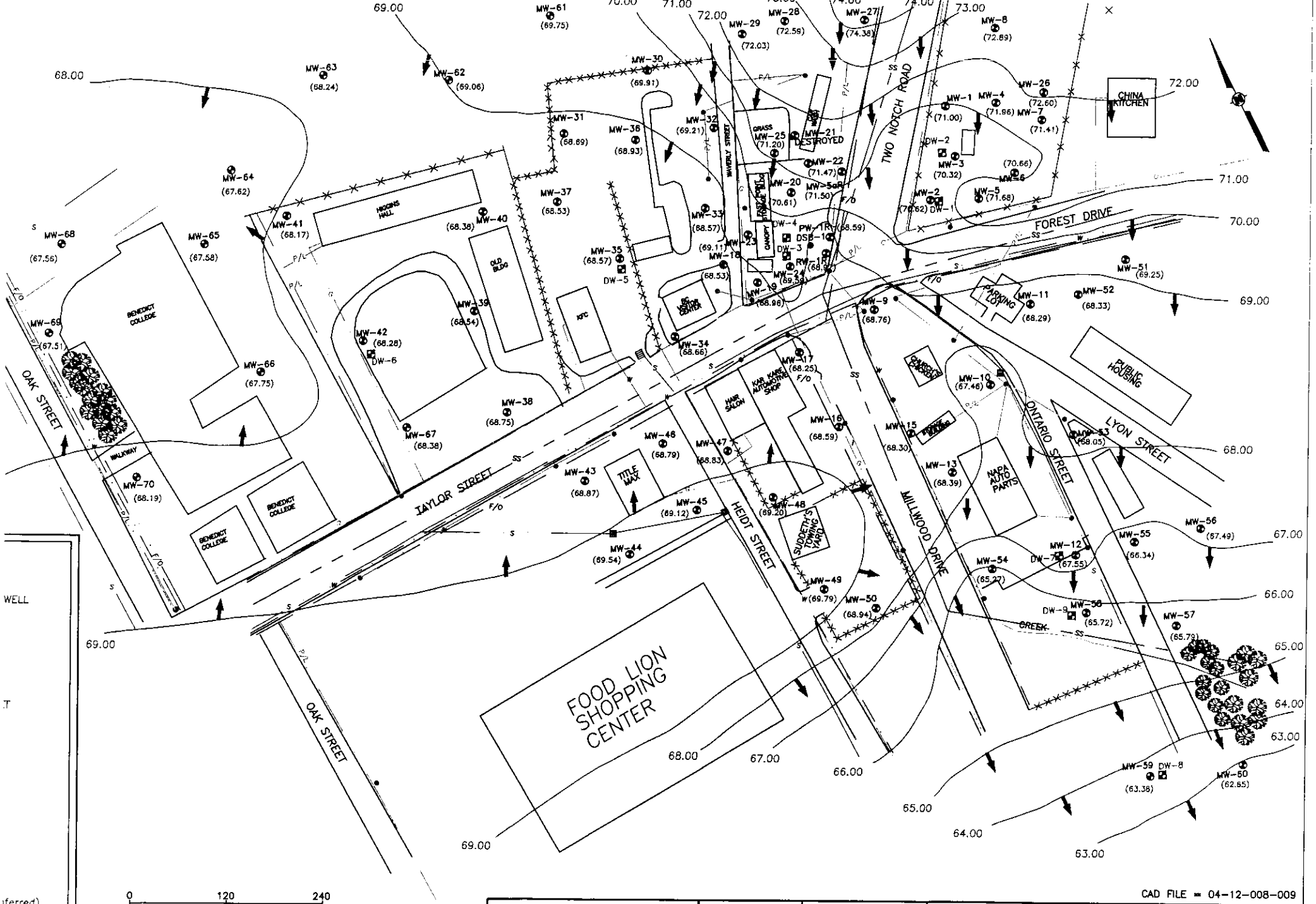
	PROJECT No.: 04-12-008,04-12-009	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 4
FIELD SCREENING RESULTS
FEBRUARY 8-24, 2005



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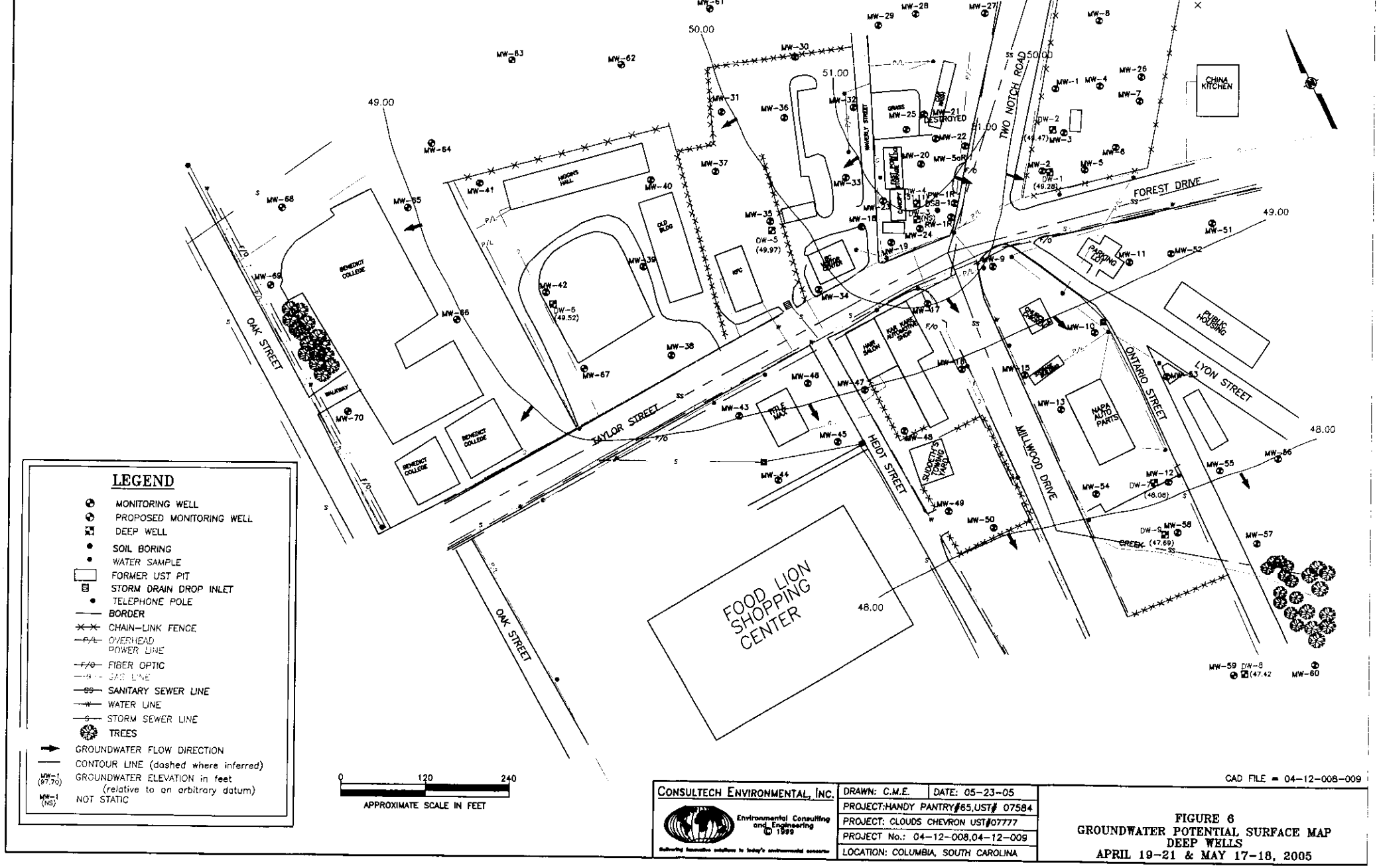
	PROJECT: CLOUDS CHEVRON UST#07777
	PROJECT No.: 04-12-008,04-12-009
	LOCATION: COLUMBIA, SOUTH CAROLINA

FIGURE 5
GROUNDWATEWATER POTENTIAL SURFACE MAP
SHALLOW WELLS
APRIL 19-21 & MAY 17-18, 2005



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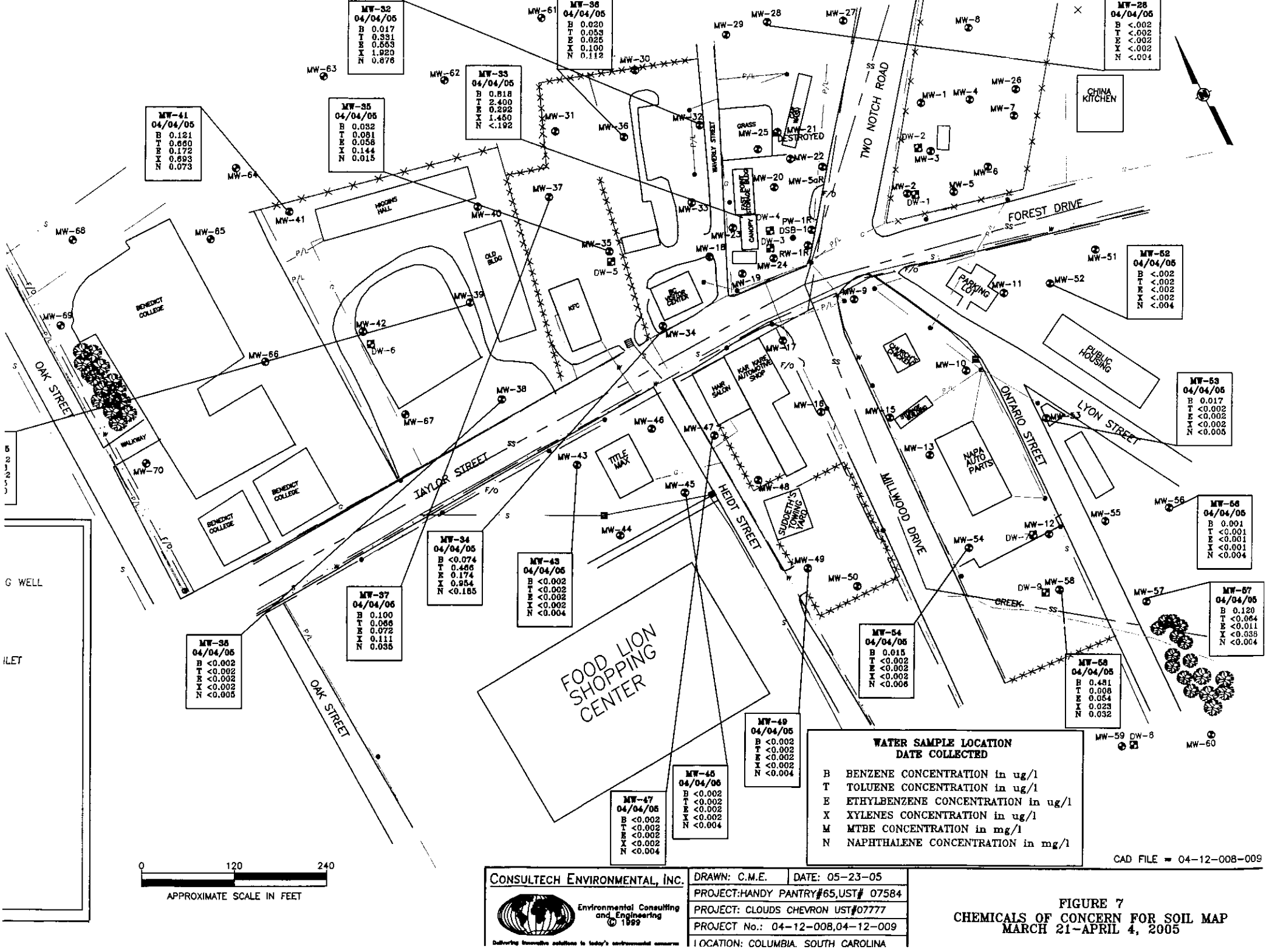
PROJECT:HANDY PANTRY#65,UST# 07584	
PROJECT: CLOUDS CHEVRON UST#07777	
PROJECT No.: 04-12-008,04-12-009	
LOCATION: COLUMBIA, SOUTH CAROLINA	

CAD FILE = 04-12-008-009

FIGURE 6
GROUNDWATER POTENTIAL SURFACE MAP
DEEP WELLS
APRIL 19-21 & MAY 17-18, 2005



WATER SAMPLE LOCATION
DATE COLLECTED

B	BENZENE CONCENTRATION in ug/l
T	TOLUENE CONCENTRATION in ug/l
E	ETHYLBENZENE CONCENTRATION in ug/l
X	XYLENES CONCENTRATION in ug/l
M	MTBE CONCENTRATION in mg/l
N	NAPHTHALENE CONCENTRATION in mg/l

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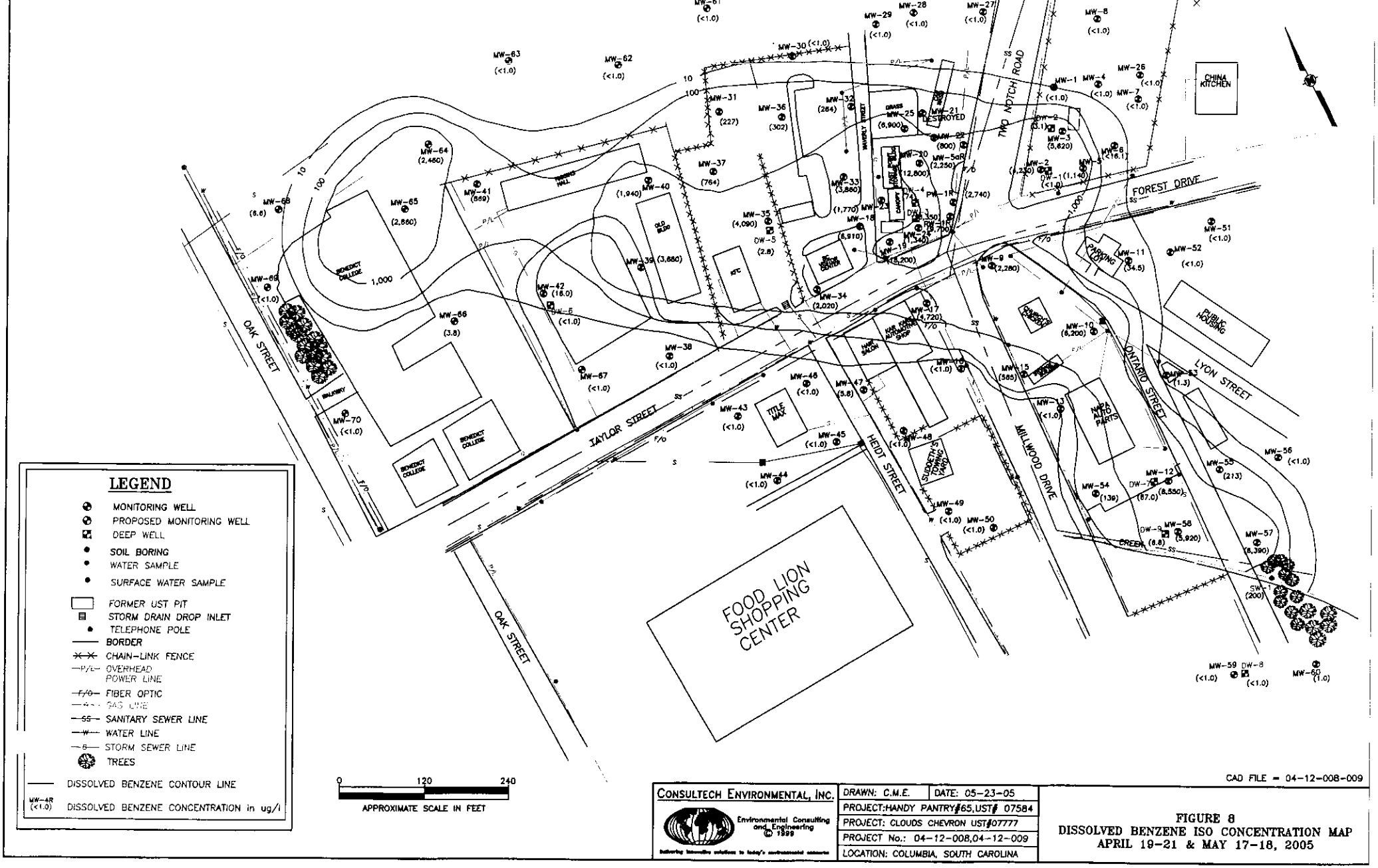
PROJECT:HANDY PANTRY#65,UST# 07584	
PROJECT: CLOUDS CHEVRON UST#07777	
PROJECT No.: 04-12-008,04-12-009	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 7
CHEMICALS OF CONCERN FOR SOIL MAP
MARCH 21-APRIL 4, 2005



CAD FILE = 04-12-008-009

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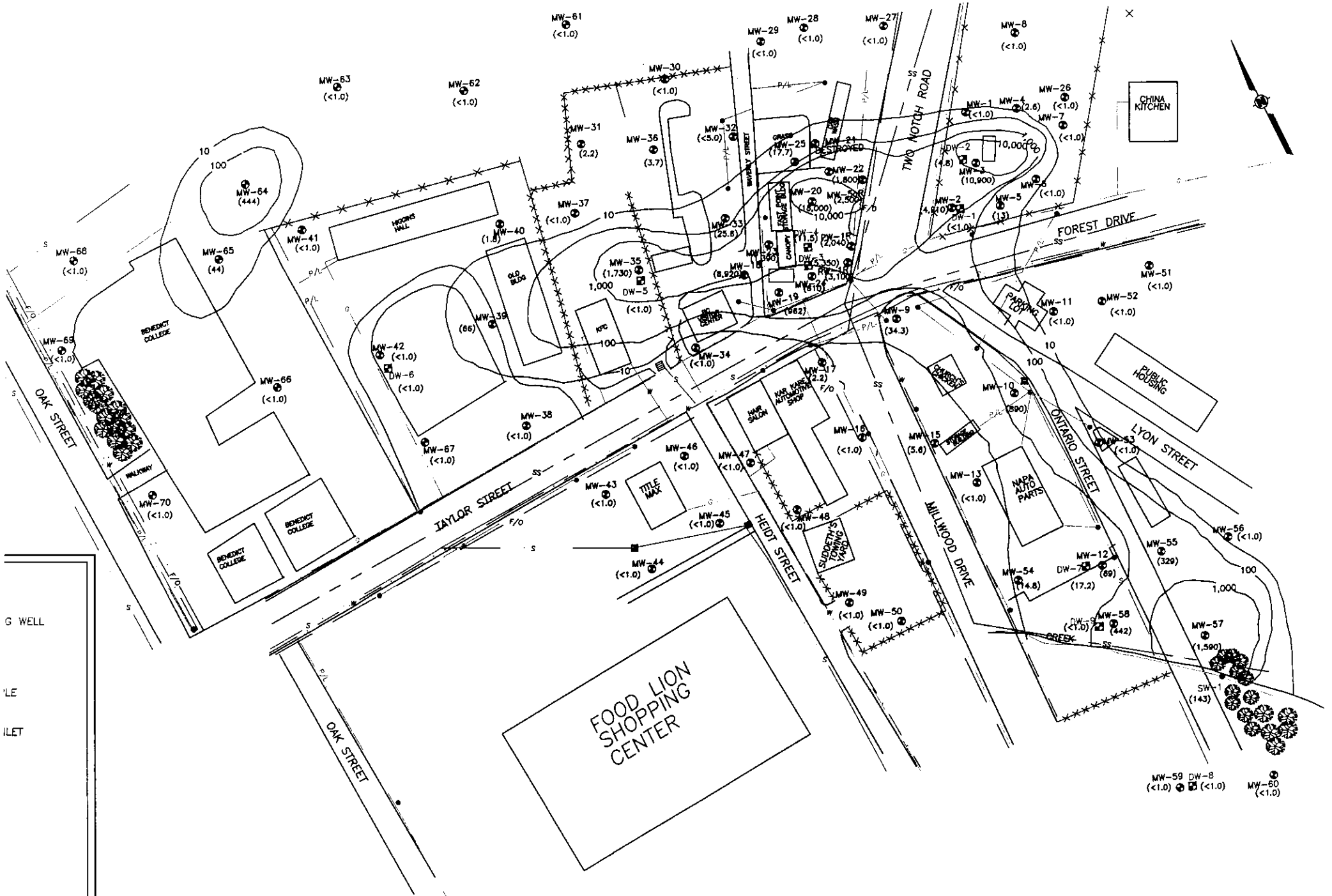
	PROJECT No.: 04-12-008,04-12-009
	LOCATION: COLUMBIA, SOUTH CAROLINA

FIGURE 8
DISSOLVED BENZENE ISO CONCENTRATION MAP
APRIL 19-21 & MAY 17-18, 2005



CAD FILE = 04-12-008-009

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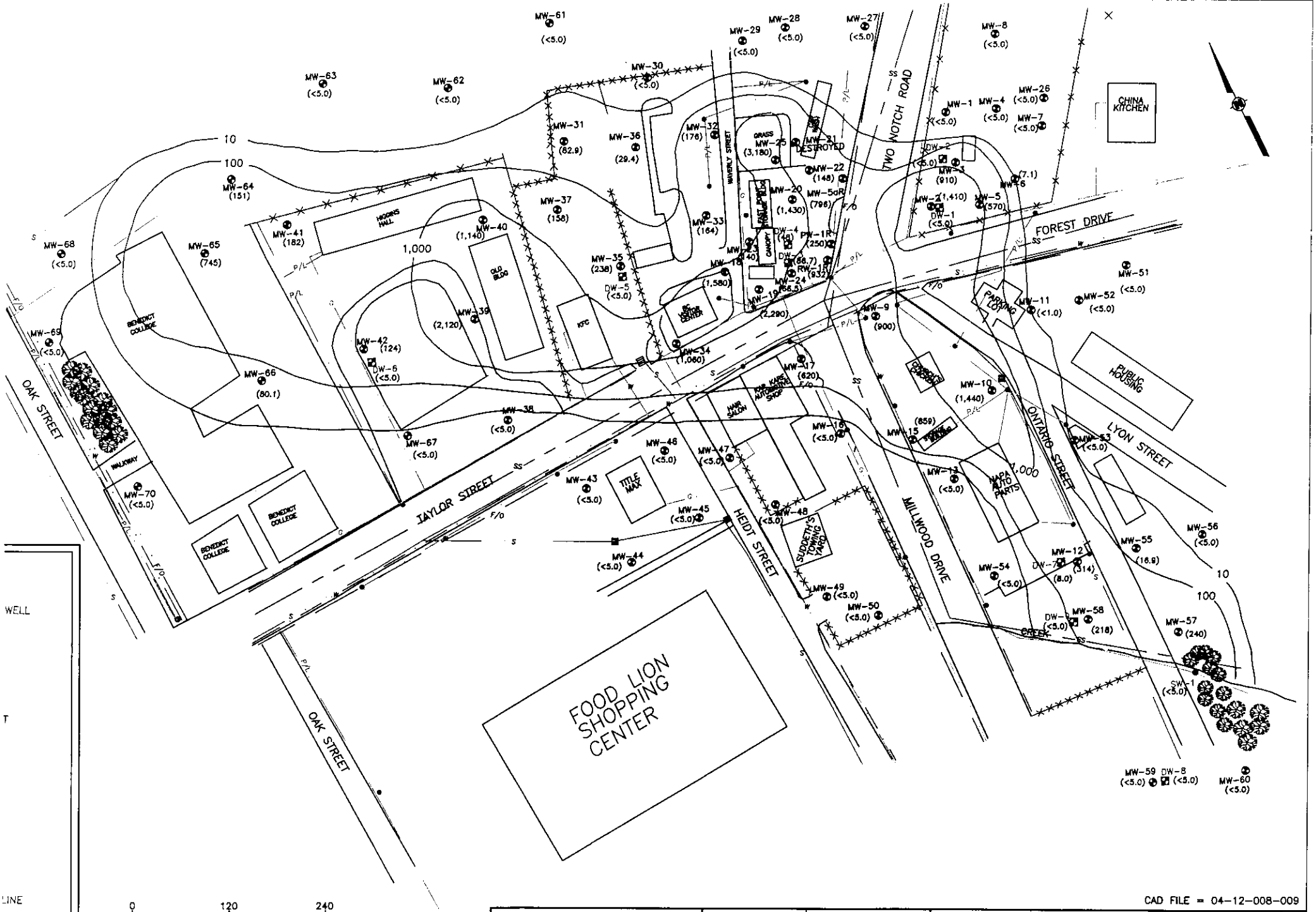
	PROJECT: CLOUDS CHEVRON UST#07777	
	PROJECT No.: 04-12-008,04-12-009	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

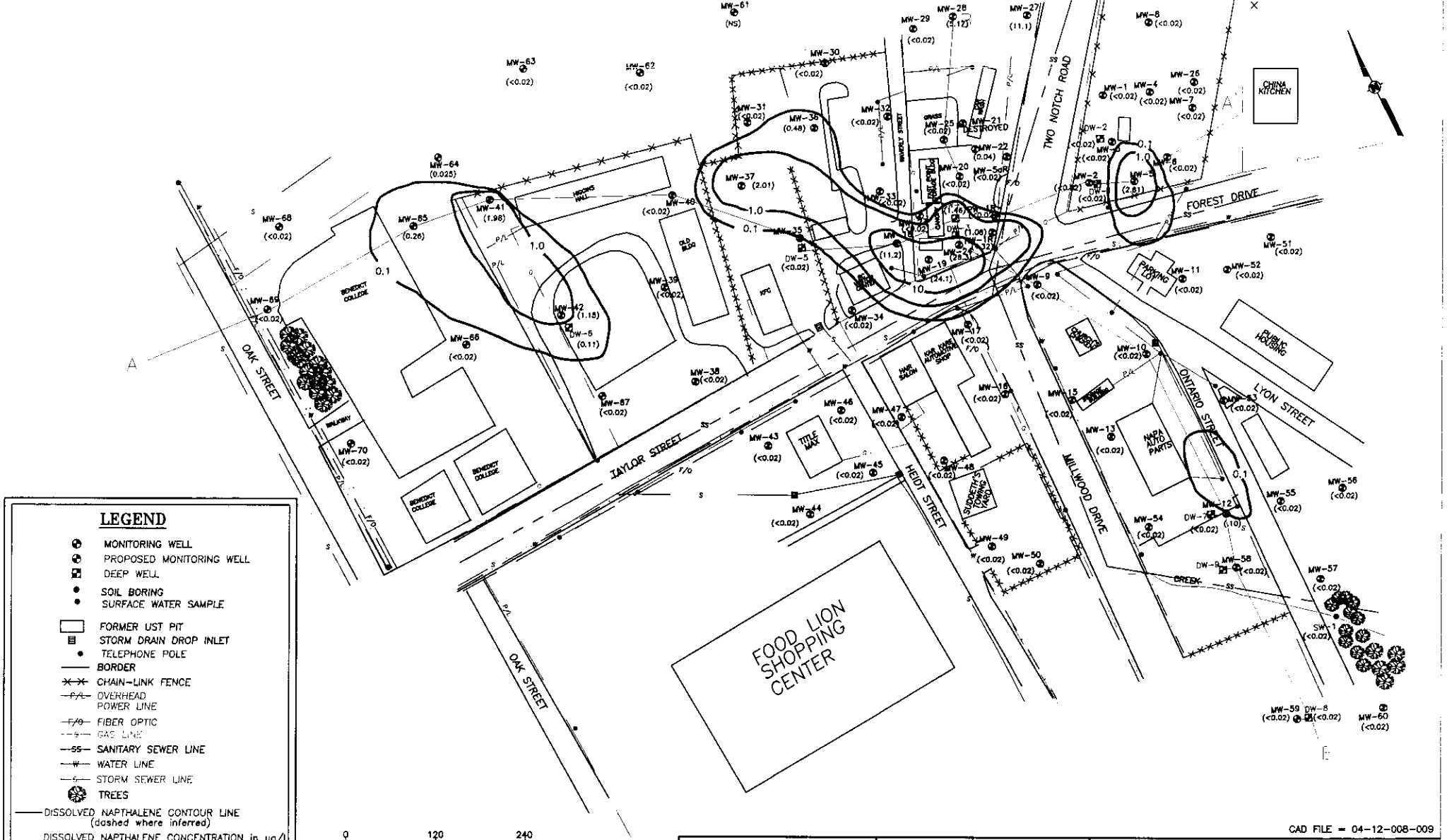
FIGURE 9
DISSOLVED MTBE ISO CONCENTRATION MAP
APRIL 19-21 & MAY 17-18, 2005



CAD FILE = 04-12-008-009

CONSULTECH ENVIRONMENTAL, INC.	DRAWN: C.M.E.	DATE: 05-23-05
Environmental Consulting and Engineering © 1999	PROJECT:HANDY PANTRY#65,UST# 07584	
	PROJECT: CLOUDS CHEVRON UST#07777	
	PROJECT No.: 04-12-008,04-12-009	

FIGURE 10
DISSOLVED NAPHTHALENE ISO CONCENTRATION MAP
APRIL 19-21 & MAY 17-18, 2005



CAD FILE = 04-12-008-009

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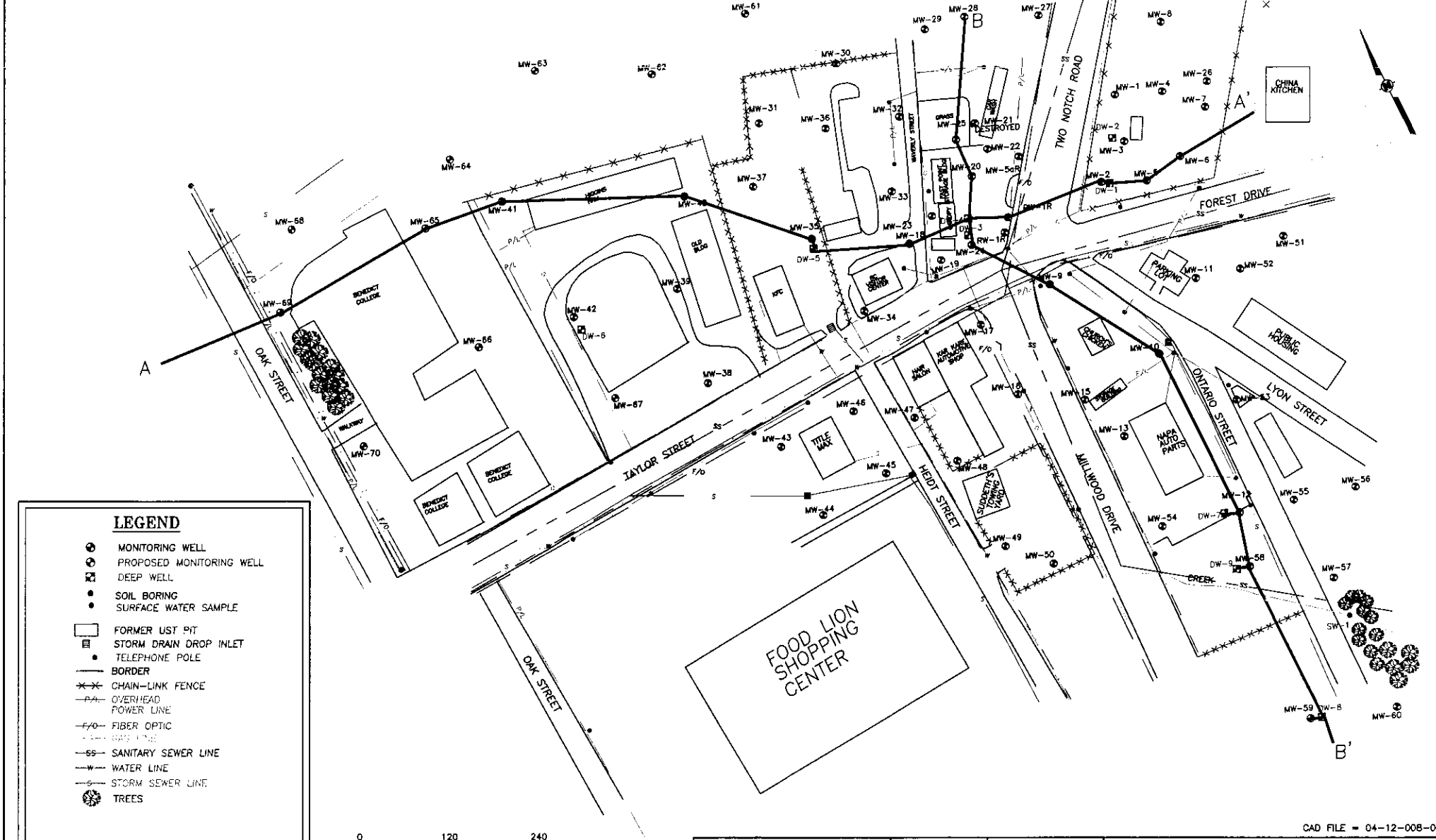
	PROJECT: CLOUDS CHEVRON UST#07777
	PROJECT No.: 04-12-008,04-12-009
	LOCATION: COLUMBIA, SOUTH CAROLINA

FIGURE 11
DISSOLVED EDB-ISOCONCENTRATION MAP
APRIL 19-21 & JUNE 2, 2005



LEGEND

- MONITORING WELL
- PROPOSED MONITORING WELL
- DEEP WELL
- SOIL BORING
- SURFACE WATER SAMPLE
- FORMER UST PIT
- STORM DRAIN DROP INLET
- TELEPHONE POLE
- BORDER
- CHAIN-LINK FENCE
- OVERHEAD POWER LINE
- FIBER OPTIC
- SANITARY SEWER LINE
- WATER LINE
- STORM SEWER LINE
- TREES

0 120 240

APPROXIMATE SCALE IN FEET

CAD FILE = 04-12-008-009

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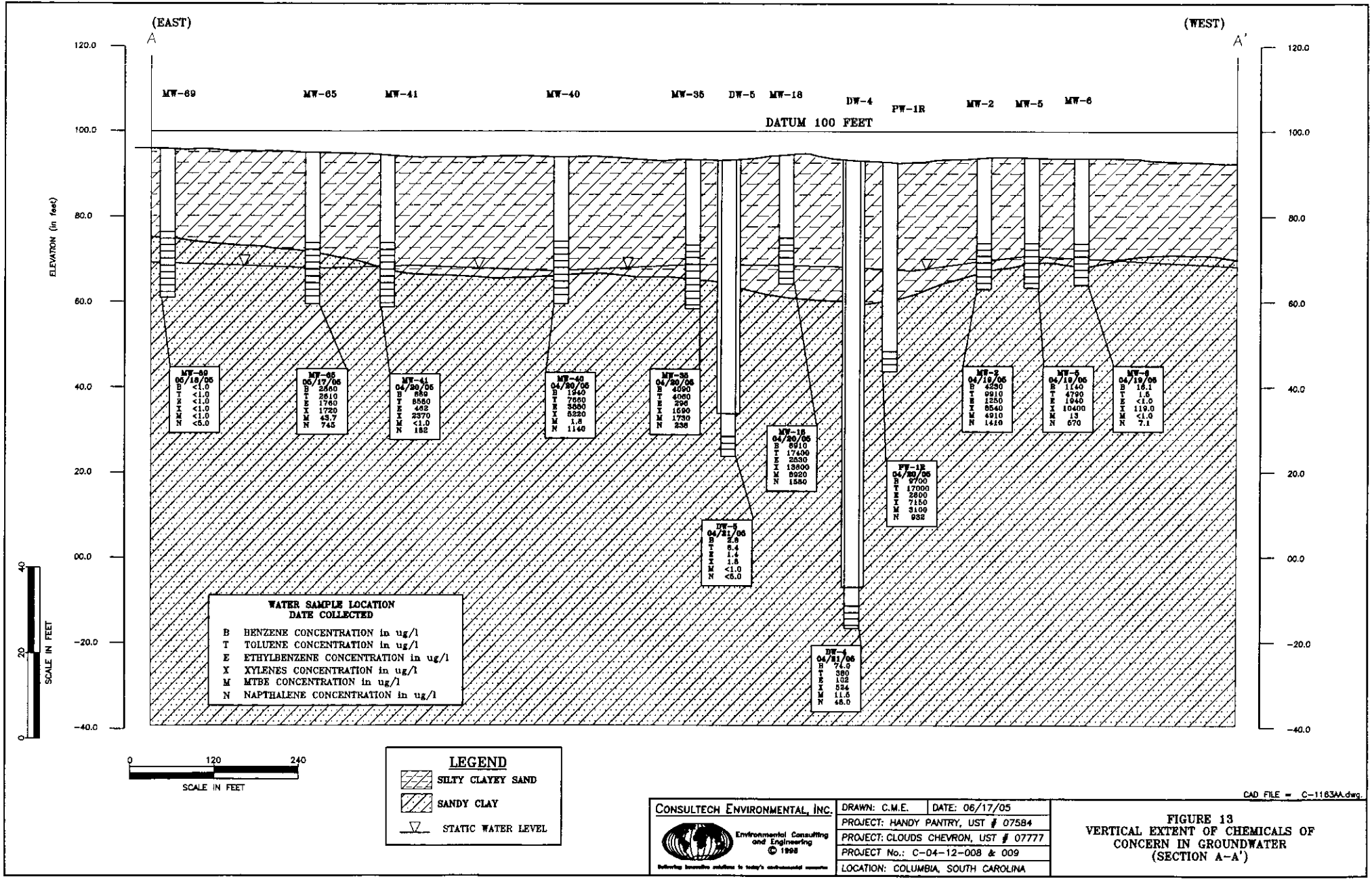
DRAWN: C.M.E.	DATE: 06/20/05
PROJECT:HANDY PANTRY#65,UST# 07584	
PROJECT: CLOUDS CHEVRON UST#07777	
PROJECT No.: 04-12-008,04-12-009	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 12
STRATOGRAPHIC CROSS-SECTION LOCATION MAP
APRIL 19-21 & JUNE 2, 2005



CAD FILE = C-1163AA.dwg

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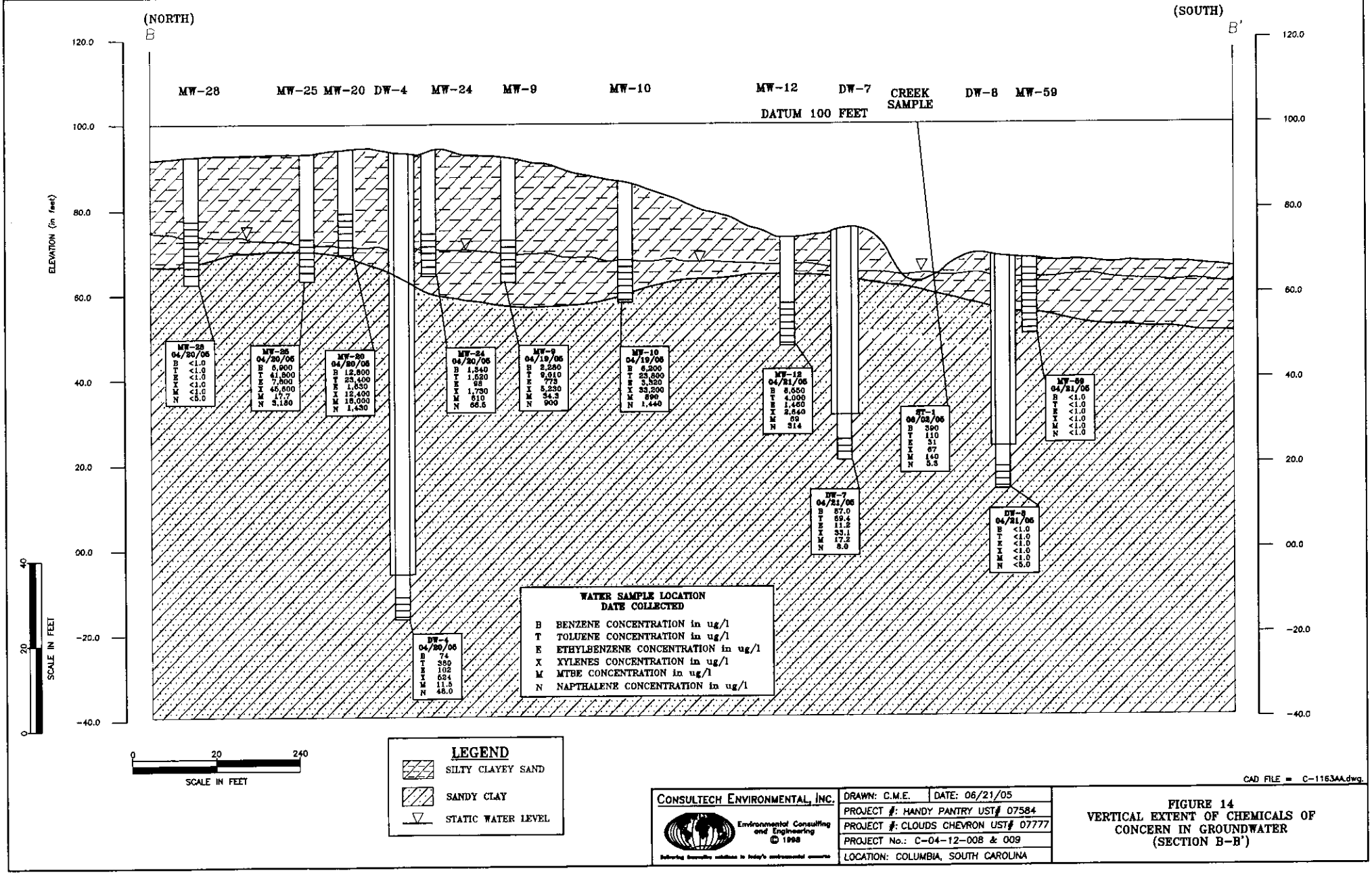
DRAWN: C.M.E.	DATE: 06/17/05
PROJECT: HANDY PANTRY, UST # 07584	
PROJECT: CLOUDS CHEVRON, UST # 07777	
PROJECT No.: C-04-12-008 & 009	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 13
VERTICAL EXTENT OF CHEMICALS OF CONCERN IN GROUNDWATER
(SECTION A-A')



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CONSULTECH ENVIRONMENTAL, INC.
Environmental Consulting and Engineering
© 1998
Delivering innovative solutions to today's environmental concerns

DRAWN: C.M.E.	DATE: 06/21/05
PROJECT #: HANDY PANTRY UST# 07584	
PROJECT #: CLOUDS CHEVRON UST# 07777	
PROJECT No.: C-04-12-008 & 009	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 14
VERTICAL EXTENT OF CHEMICALS OF CONCERN IN GROUNDWATER (SECTION B-B')

APPENDIX 1
Survey Plat

TITLE AND TABLE SHEET

SHEET 1 OF 2

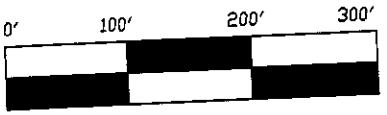
MONITOR WELL

MW	TOP OF CASING
MW 44	94.57'
MW 43	95.15'
MW 46	94.50'
MW 42	95.81'
MW 41	94.85'
MW 39	96.19'
MW 38	95.53'
MW 34	94.77'
MW 45	92.51'
MW 47	92.44'
MW 50	84.09'
MW 49	88.18'
MW 48	89.95'
MW 56	76.39'
MW 12	72.80'
MW 55	71.22'
MW 57	67.20'
MW 58	76.37'
MW 59	68.02'
MW 60	67.94'
MW 53	79.60'
MW 40	95.69'
MW 35	93.71'
MW 37	93.78'
MW 31	95.20'
MW 36	93.89'
MW 32	92.87'
MW 33	93.84'
MW 25	93.09'
MW 20	94.12'
MW 19	93.96'
MW 18	94.81'
MW 27	91.40'
MW 24	93.94'
MW 5AR	94.18'
MW 22	94.25'
MW 28	91.46'
MW 29	91.09'
MW 30	92.77'
MW 26	95.96'
MW 7	95.93'
MW 6	94.96'
MW 5	95.26'
MW 2	94.70'
MW 3	94.45'
MW 1	93.89'
MW 4	94.85'
MW 8	94.79'
MW 51	93.91'
MW 52	90.21'
MW 11	88.46'
MW 10	85.98'
MW 9	92.30'
MW 15	86.44'
MW 16	88.19'
MW 17	92.45'
MW 23	94.43'
MW 13	80.44'
MW 54	77.58'

DEEP WELL

DW	TOP OF CASING
DW1	94.66
DW2	94.02
DW3	93.75
DW4	93.79'
DW5	93.74'
DW6	95.90'
DW7	72.79'
DW8	68.63'

WELL	TOP OF CASING
PW 1R	93.75
RW 1R	93.66



1" = 100'

PROJECT

HANDY PANTRY #65 UST # 07584

CLOUDS CHEVRON UST # 07777

BAXTER LAND SURVEYING CO., INC.

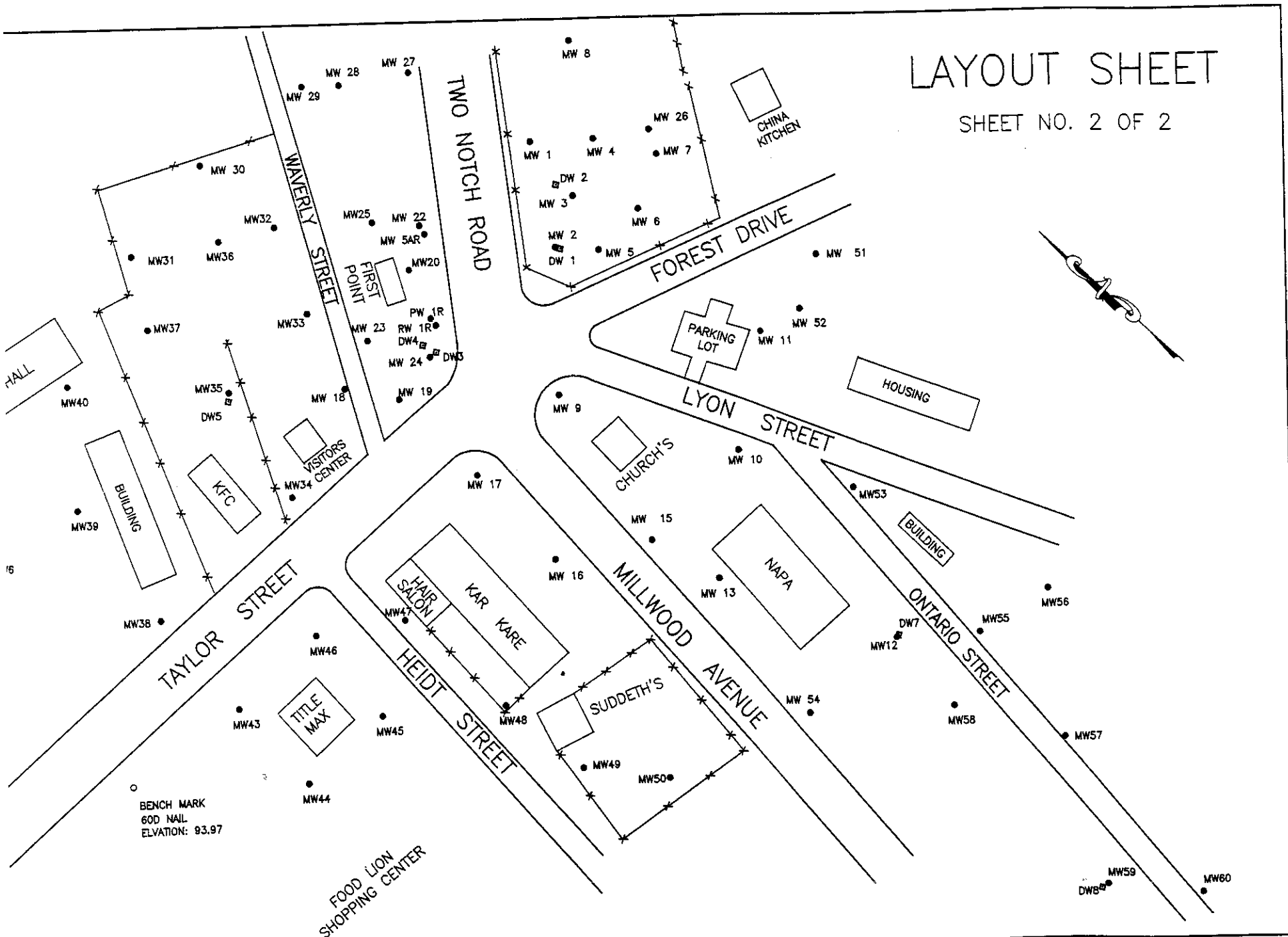
533 HARDEN STREET COLUMBIA, SC 29205

803-252-8564

APRIL 25, 2005



ROSSER W. BAXTER JR. SCPLS NO. 7613


LAYOUT SHEET
SHEET NO. 2 OF 2
TWO NOTCH ROAD
WAVERLY STREET
FOREST DRIVE
LYON STREET
TAYLOR STREET
MILLWOOD AVENUE
HEIDT STREET
ONTARIO STREET
FIRST POINT
CHINA KITCHEN
PARKING LOT
HOUSING
CHURCH'S
VISITORS CENTER
KFC
BUILDING
HAIR SALON
KAR KARE
NAPA
SUDDETH'S
TITLE MAX
FOOD LION SHOPPING CENTER
BENCH MARK
60D NAIL
ELVATION: 93.97
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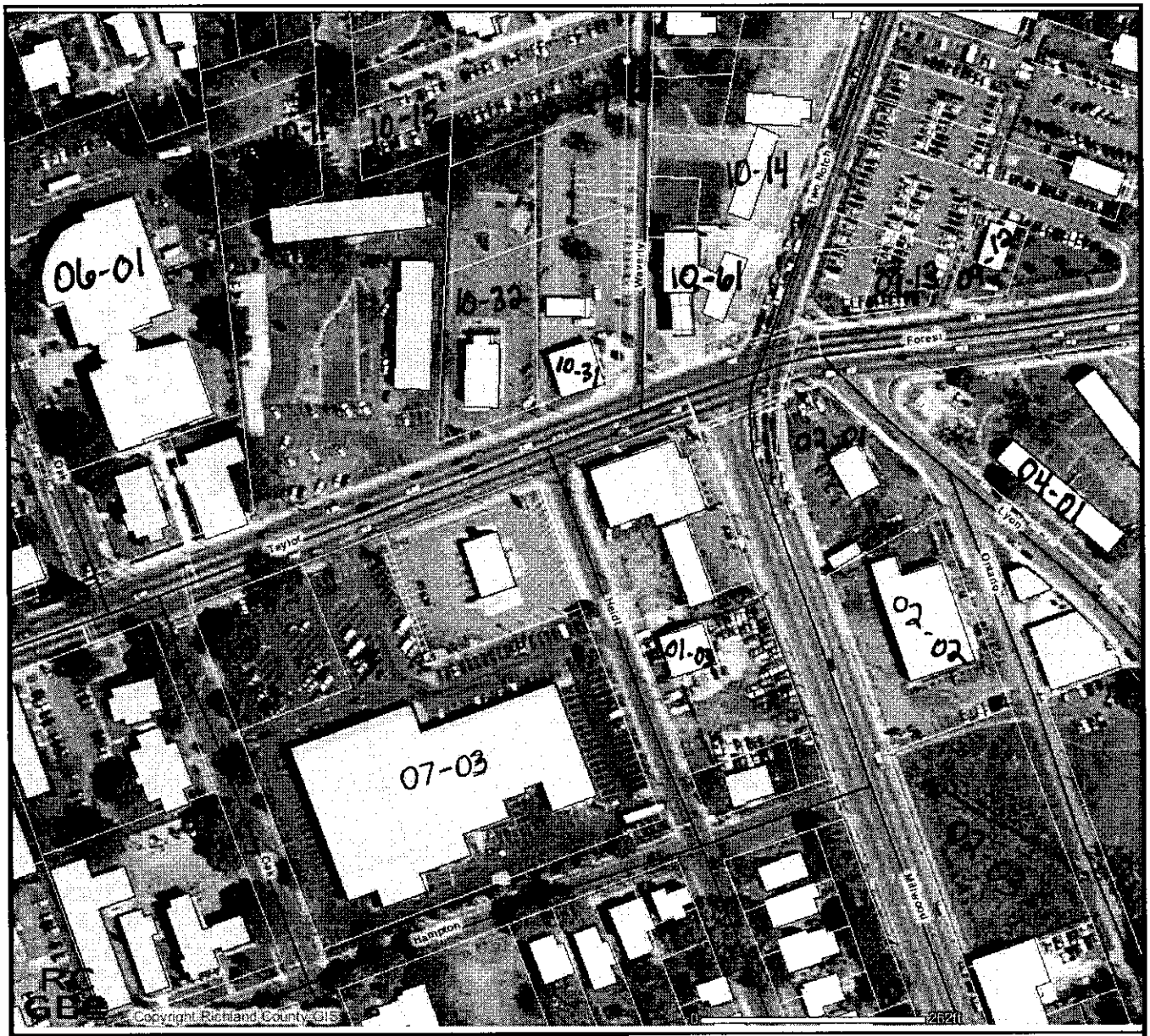
MW 5AR
DW 1
DW 2
DW3
DW4
DW5
DW7
DW8
PW 1R
RW 1R

APPENDIX 2
Tax Map and Surrounding Property Owners



Copyright 2005
Richland County GIS
2020 Hampton St.
Columbia, SC 29204

RC GE

Legend

- County Boundary
- Private Schools
- Public Schools
- Police Stations
- Fire Stations
- County Assets
- Daycares
- Streets
- Buildings
- 2 Ft. Contours
- Streams
- Lakes
- Council Districts
- Zip Codes

DISCLAIMER : This is a product of the Richland County GIS Department. The data depicted here have been developed with extensive cooperation from other county departments, as well as other federal, state and local governments agencies.Richland County expressly disclaims responsibility for damages or liability that may arise from the use of this map.

PROPRIETARY INFORMATION: Any resale of this information is prohibited, except in accordance with a licensing agreement.

Adjacent Property Owners
Clouds Chevron – UST # 07777
Handy Pantry # 65 – UST # 07584
Columbia, SC
Richland County

Tax map and parcel #		Owner name and address
R11408-10-31		The Benedict College 1600 Harden Street Columbia, SC29204
R11411-01-03		Joe T. Suddeth 302 Biddle Road Columbia, SC 29212
R11411-02-01		Betty Gordon Bateman c/o Jesse T. Reese PO Box 1026 Columbia, SC
R11411-02-02		W.L. Boyd, III 455 Alexander Circle Columbia, SC 29206
R11411-02-03		James B. Morrison, Jr. 1014 Laurens St. Columbia
R11411-04-01		Gonzales Garden's Housing Authority PO Box 4307 Columbia SC
R11412-09-12		Cheung Family Corporation 7700 Loch Lane Columbia, SC 29223
R11412-09-13	**SITE**	Providence Hospital c/o Mr. Tom Pollard 803-253-8214
R11412-10-14		Benedict College – same as above – c/o Dr. David H. Swinton
R11412-10-61	**SITE**	Fast Point Food Stores 2811 Reidville Road, Ste 11 Spartanburg, SC
R11407-06-01		Benedict College 1616 Oak St. (1600 Harden Street Columbia,29204)
R11408-10-11		" " 1600 Heidt St.
R11408-10-15		" " 1612 Heidt St.
R11408-10-29		" " 1617 Waverly St.
R11408-10-32		KFC 2349 Taylor St. Columbia, SC
R11407-07-03		James Square E & A, LLC 900 Bank of America Plaza 1901 Main St. Columbia , SC 29201

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, _____, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located **Richland County Tax Parcel Number R11412-10-14 & R11408-10-31**, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months; or
- Maintenance of the monitoring well(s).

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well allation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time the property owner may contact Consultech if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

Robert Robinson
Company Representative

2/1/05
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

David H Swinton 2/24/2005
Property Owner's Signature

DAVID H. SWINTON
Printed Name

Access Denied:

_____
Property Owner's Signature

_____
Printed Name

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, Haywood Greene, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant Rob Robinson, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located 1611 Two Notch Road, for the purpose of performing an environmental assessment, as requested by DHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months; or
- Maintenance of the monitoring well(s).

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time the property owner may contact Consultech if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

Rob Robinson
Company Representative

2/1/05
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

Haywood Greene for Benedict Callaway
Property Owner's Signature

Haywood Greene
Printed Name

Access Denied:

Property Owner's Signature

Printed Name

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, Joe T. Suddeth, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located **Richland County Tax Parcel Number R11411-01-03**, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months; or
- Maintenance of the monitoring well(s).

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time the property owner may contact Consultech if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

Jessica Guthrie
Company Representative

1-17-05
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

Joe T. Suddeth
Property Owner's Signature

Joe T. Suddeth
Printed Name

Access Denied:

Property Owner's Signature

Printed Name

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, _____, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located Richland County Tax Parcel # R11411-02-01, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months; or
- Maintenance of the monitoring well(s).

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time the property owner may contact Consultech if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

Jessica Guthrie
Company Representative

1-17-05
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

Jesse T Reese III Agent
Property Owner's Signature

Jesse T Reese III
Printed Name

Access Denied:

_____
Property Owner's Signature

_____
Printed Name

1800 MacLeod Drive, Suite F • Lawrenceville, GA 30043-5736
(678) 377-0400 • FAX: (678) 377-0051

FAXED

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, William L. Boyd III, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located **Richland County Tax Parcel Number R11411-02-02**, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months; or
- Maintenance of the monitoring well(s).

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time the property owner may contact Consultech if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

Jessica Guthrie
Company Representative

1-17-05
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

Property Owner's Signature

W.L. Boyd III
Printed Name

Access Denied:

Property Owner's Signature

Printed Name

1800 MacLeod Drive, Suite F, Lawrenceville, GA 30043-5736
(678) 377-0400 • FAX: (678) 377-0051
www.consultechenv.com

CONSULTECH ENVIRONMENTAL, INC.

PERMISSION TO ENTER PROPERTY

I, James B Morrison, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located **Richland County Tax Parcel Number R11411-02-03**, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months; or
- Maintenance of the monitoring well(s).

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time the property owner may contact Consultech if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

Drew Miller
Company Representative
Drew Miller

3/08/05
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

James B Morrison
Property Owner's Signature

JAMES B. MORRISON, JR.
Printed Name

Access Denied:

Property Owner's Signature

Printed Name

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, _____, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located Richland Co. Tax Parcel # R11411-04-01, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months; or
- Maintenance of the monitoring well(s).

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The Permission to Enter Property is effective upon execution of this document.

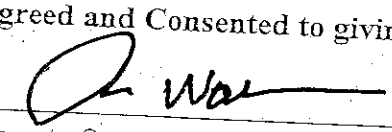
This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

Jessica Guthrie
Company Representative

_____
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:



Property Owner's Signature

Gilbert Walker
Printed Name

Access Denied:

_____
Property Owner's Signature

_____
Printed Name

1800 MacLeod Drive, Suite F • Lawrenceville, GA 30043-5736
(678) 377-0400 • FAX: (678) 377-0051
www.consultechenv.com

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, _____, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located R11412-09-12 _____, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months; or
- Maintenance of the monitoring well(s).

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time the property owner may contact Consultech if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

_____
Company Representative

_____
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

_____
Property Owner's Signature

LN JA Moon
Printed Name

Access Denied:

_____
Property Owner's Signature

_____
Printed Name

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, _____, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located B11400-W-37, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months; or
- Maintenance of the monitoring well(s).

Wayne Reel
give Wirbal
803-422-0721

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time the property owner may contact Consultech if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

_____
Company Representative

_____
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

_____
Property Owner's Signature

_____
Printed Name

Access Denied:

_____
Property Owner's Signature

_____
Printed Name

1800 MacLeod Drive, Suite F • Lawrenceville, GA 30043-5736
(678) 377-0400 • FAX: (678) 377-0051
www.consultechenv.com

ACCESS AGREEMENT

DATE: February 20, 2005

PARTIES: James Square E & A, LLC
2300 Taylor Street
Columbia, SC 29204

Consultech Environmental, Inc.
1800 MacLeod Drive, Suit F
Lawrence, GA 30043-5736

PROPERTY: James Square Shopping Center

RECITALS

1. Licensee is currently under contract to perform an environmental evaluation on a property located at Former Clouds Chevron and the Former Handy Pantry #65, Currently Simba Express (the "Release Site").

2. Licensee will be performing certain assessment and if required, remediation activities pursuant to the South Carolina Department of Environmental Protection (the "SCDHEC") guidelines.

3. Owner is the owner of real property known as "James Square" located on 2300 Taylor Street (the "Property") adjacent to the Release Site.

4. Licensee seeks permission from Owner to enter the Property now and in the future for the limited purpose of certain assessment and remediation activities pursuant to SCDHEC guidelines ("Assessment and Remediation Activities").

5. While the parties contemplate future access to the Property for performing certain Assessment and Remediation Activities, the type, scope and schedule for such activities have not yet been determined and agreed upon by Licensee and Owner.

6. Except as otherwise specifically set forth herein, this Agreement is not intended to and does not grant Licensee any specific present rights or licenses to access the Property. The parties intend that all future access will be individually agreed upon and subject to separate written agreements between the Owner and Licensee (and executed by both Owner and Licensee) ("Future Access Agreements") and all such

agreements shall at all times be subject to the terms and provisions of this Agreement.

7. As a condition of granting permission to access the Property, Owner requires that all rights or licenses to access the Property, whether permitted herein or by Future Access Agreements, shall be subject to the rights and obligations of the parties as set forth herein.

AGREEMENTS

In consideration of the mutual covenants herein contained, the parties agree as follows:

1. Grant. Owner hereby grants to Licensee permission to access the Property for the limited purposes of (i) installing and maintaining soil and groundwater monitoring devices, including the drilling of groundwater monitoring wells; (ii) the use of geophysical equipment (iii) the use of an auger for collection of soil and sediment samples; (iv) the logging of existing wells; (v) video taping; (vi) preparation of site sketches; (vii) taking photographs and the like.

2. Assessment and Remediation Activities. Owner agrees, subject to the provisions hereof, to grant Licensee future access to the Property for the limited purposes of Assessment and Remediation Activities directly related to SCDHEC guidelines. The scope, type and scheduling of all such Assessment and Remediation Activities on the Property shall be subject to the prior approval of Owner and set forth in a separate Future Access Agreements.

   All Future Access Agreements shall set forth in detail the type, location and scope of work to be performed on the Property.

   Licensee understands that there shall be no groundwater, soil or other sampling or testing other than as expressly permitted in writing herein or in Future Access Agreements. No groundwater, soil or other sampling or testing shall be tested for anything other than fuel oil constituents.

3. Notice of Entry. Licensee shall provide Owner at the address and in the manner set forth in Paragraph 17 below written notice a minimum of two (2) business days prior to entering the Property to perform any aspect of the work permitted under this Agreement or any Future Access Agreement, time being of the essence. Such entry shall be restricted to the items specified in this Agreement and the applicable Future Access Agreement.

4. Term. The permission granted herein constitutes a temporary license which shall continue in effect for an initial period (the "Initial Term") of Six (6) months from the date hereof and provided no default exists hereunder, may be renewed by Licensee upon all of the terms, covenants and conditions contained herein for successive Six (6) month periods (an "Extension") so long as such Assessment and Remediation Activities shall continue to be required under the SCDHEC guidelines (as the same may from time to time be amended) for assessment or remediation, but only if Licensee delivers to Owner written notice electing such Extension, not less than ten (10) days

prior to the expiration of the Initial Term or then current Extension, time being of the essence. If Licensee fails to deliver such notice by such deadline, then this Agreement shall terminate and expire as of the last day of the Initial Term or the then current Expiration. Notwithstanding anything to the contrary contained herein, Owner may also terminate this Agreement at any time.

5. Reports. Upon execution of this Agreement, Licensee shall promptly deliver to Owner copies of all site assessment and other reports relating to either the Property or the Release Site heretofore delivered to SCDHEC under the SCDHEC guidelines and which have not previously been delivered to Owner. In addition, contemporaneous with the delivery of the same to SCDHEC, Licensee shall deliver to Owner copies of all site assessment and other reports relating to either the Property or the Release Site, which may hereafter be delivered by Licensee to SCDHEC under the SCDHEC guidelines.

6. No Interference. Neither Licensee nor its employees, contractors or agents shall unnecessarily or unreasonably obstruct or interfere with or impede the ingress and egress of persons or vehicles to and from the Property or otherwise unnecessarily or unreasonably interfere with any existing businesses) operated on the Property and Licensee shall use all diligent efforts to minimize any such obstruction or interference. Licensee agrees to conduct the Assessment and Remediation Activities at all times in a manner consistent with the requirements of this Paragraph 6 and all other provisions of this Agreement. The Owner expressly reserves the right to limit the hours during which Licensee shall be permitted to conduct any additional Assessment and Remediation Activities at the Property pursuant to Future Access Agreements and the Owner expressly reserves the right to limit the hours during which the Licensee shall be entitled to conduct the Assessment and Remediation Activities permitted pursuant to Paragraph 1 of this License Agreement in the event that the Owner determines, in its discretion, that it is necessary to restrict the hours during which the Licensee performs the Assessment and Remediation Activities described in Paragraph 1 above in order to minimize interference with the Owner's business operations at the Property.

7. Repair of Damage to Property. Licensee shall promptly repair any damage to the Property caused by the Assessment and Remediation Activities and/or Licensee's entry upon the Property in connection therewith.

8. Indemnification. Licensee shall indemnify and hold Owner and its partners, parent subsidiaries and affiliates, its mortgages, as well as any of the agents, servants, employees, officers, directors and trustees of any of them (each in "Indemnified Party"), harmless from and against any actions, petitions, orders, claims or demands made, brought or instituted by any private parties and/or any public agencies or agencies or authorities, together with any expenses (including reasonable attorney's fees), costs, losses, damages, liabilities or penalties assessed against or incurred by any of them, arising out of or in connection with the Assessment and Remediation Activities or any work undertaken in connection therewith, or arising out of or in connection with any occurrence on the Property which is occasioned by any act or omission on the part of Licensee or any of its agents, servants, employees, contractors or invitees during the Initial Term or any Extension, including,

without limitation, any claim, damage, loss or expense which is attributable to bodily injury, sickness, disease or death, or to any injury to or destruction of tangible property (including the loss of use resulting therefrom) (the "Indemnified Matters"). Licensee's indemnifications under this Section 8 shall survive the expiration or earlier termination of this Agreement.

9. Mechanic Liens. Licensee agrees to indemnify and hold Owner, its parent, subsidiaries or affiliates harmless from and against the Property, Owner by any contractors, subcontractors or material men performing or claiming to have performed any work for Licensee or its agents. Licensee shall provide Owner with a Lien Waiver executed by any contractor, subcontractor, material men, or other person or entity that performed work for or provided materials to Licensee or its agents.

10. Satisfaction of Claim; Insurance. (a) In connection with Licensee's indemnifications set forth in Sections 8 and 9 above: (i) Licensee agrees to defend any claim or demand brought, or any action, petition, or order filed, against Owner and/or other Indemnified Party, or in which any of the same may be impleaded with respect to any Indemnified Matter, at its sole cost and expense, whether any such claim or action is rightfully or wrongfully brought or filed and in connection therewith, using counsel reasonably acceptable to Owner [or such Indemnified Party, as applicable], provided however that Licensee recognizes that Owner's mortgagee may require specific counsel to be utilized if it is involved in any such action and in that circumstance, such mortgagee requirements shall govern; (ii) Licensee shall pay, satisfy and discharge any liens, judgments, orders or decrees which may be filed or recovered against Owner and/or its parent, subsidiaries or affiliates, or any or all of the agents, servants, employees, officers, directors or trustees of any of them, arising out of any such claim, demand, action, petition or order with respect to any Indemnified Matter and (iii) Licensee agrees to procure and maintain the forms of insurance coverages listed below:

    (1) Workers' Compensation Insurance affording protection under the Worker's Compensation Law of the Commonwealth of Massachusetts;
    (2) Employer's Liability Insurance with limits of liability of not less than $1,000,000.00;
    (3) Comprehensive General Liability Insurance with limits of liability of not less than $2,000,000.00 combined single limit for bodily injury, personal injury and property damage as a result of any one occurrence, including blanket Contractual Liability, Independent Contractor's Protective Liability, Contingent Liability and Products Completed Operations Liability coverages, all on an occurrence basis and with Bodily Injury coverage for injury to persons caused by long exposure as well as instantaneous happening and with Broad Form Property Damage coverage including coverage concerning explosion, collapse and underground property damage; and
    (4) Automobile Insurance (comprehensive form) covering all vehicles with limits of not less than $1,000,000.00 combined single limit for bodily injury and property damage as a result of any one occurrence.

(b) Prior to the commencement of the Assessment and Remediation Activities, Licensee shall furnish to Owner certificates evidencing such insurance, naming Owner (and any other party at interest it may designate) as additional insureds on Comprehensive General Liability Insurance and Automobile Insurance only and stipulating that such insurance will not be materially reduced or canceled unless thirty (30) days prior written notice of such change or termination is given to Owner.

11. Default. This Agreement is made on the condition that, if Licensee shall neglect or fail to perform or observe any of the terms, provisions, conditions and covenants herein contained (notwithstanding any former breach of covenant or waiver of the benefit hereof or consent in a former instance), Owner shall have the right, at its election, then or at any time thereafter to terminate this Agreement by written notice to Licensee and on the date specified in such notice the right and license granted herein to Licensee shall cease and this Agreement shall thereupon be terminated.

    The failure of the Licensee to pay any and all invoices submitted to Licensee by Owner, relating to any expenses or costs incurred pursuant to the work, materials, or services arising out of or otherwise related to the work, within thirty (30) days of receipt of such invoices(s) from Owner shall constitute a default under this Agreement.

12. No Release. No expiration or termination provided for in Sections 4 and 11 of this Agreement shall relieve Licensee of its liabilities and obligations hereunder, all of which shall survive such expiration or termination.

13. No Improvement. Nothing contained herein shall be construed as permitting Licensee to perform any work on the Property except for the Assessment and Remediation Activities specifically permitted herein or in Future Access Agreements, nor shall anything contained herein be construed as permitting Licensee to install or store any equipment, structure or apparatus upon the Property except as specifically provided for herein or in Future Access Agreements. This agreement does not create a real property interest in Licensee.

14. No Assignment. Licensee understands that the license granted herein is personal to Licensee and shall in no event be assignable by Licensee by voluntary act, operation of law or otherwise.

15. Maintenance/Waste Disposal. Licensee agrees to maintain the location whereon the Assessment and Remediation Activities are performed in good order, to promptly remove all litter, rubbish and refuse generated by the Assessment and Remediation Activities or by Licensee's contractors or subcontractors (including the prompt removal of all drill cuttings and other wastes in accordance with law upon completion of the Assessment and Remediation Activities), to relinquish use of said location upon expiration of the license granted herein or in Future Access Agreements and to otherwise leave the location in the same condition it was in at the commencement of the license granted herein, normal use and wear only excepted. Any hazardous waste forms, bills of lading or other documentation required for transportation or disposal of waste generated by performance of the Assessment and Remediation Activities shall be signed by Licensee or its

designee as required by applicable law and the generator identified on such documents shall be Licensee or it designee. Copies of all such documents shall be promptly delivered to Owner.

16. No Liability. It is understood and agreed that Owner shall not maintain fire, theft or other insurance on any property of Licensee and Licensee agrees that any equipment or other property of Licensee, its employees, servants, agents, contractors or subcontractors which is on the Property shall be so at Licensee's sole risk, to the extent permitted by law, whether damage thereto results from Owner's act (but not willful act or negligence) or from some other cause or agency.

17. Notices. Any notice from Owner to Licensee shall be sent by facsimile at the numbers provided below or by a nationally recognized overnight delivery service, next day delivery, to Licensee at the address as set forth at the beginning of this Agreement, Attn: _____. Any notice from Licensee to Owner shall be sent by facsimile at the numbers provided below or by a nationally recognized overnight delivery service, next day delivery, to Owner at the address set forth at the beginning of this Agreement, Attn: Terri Thompson with a copy using the same manner of delivery as used for delivery to Owner, to 900 Bank of America Plaza, 1901 Main Street, Columbia, South Carolina 29201. All notices hereunder shall be deemed effective upon receipt. Either party may change its address to which notices shall be sent by giving written notice of such change to the other party as herein provided.

18. Successors. This Agreement shall be binding upon and shall inure to the benefit of, the respective successors and assigns of the parties hereto.

19. Compliance with Laws. In performing the Assessment and Remediation Activities and any work undertaken in connection therewith, Licensee shall obtain all necessary federal, state and local approvals and permits and shall otherwise comply with all applicable federal, state and local laws, rules, regulations, codes and ordinances, or any judicial or administrative interpretations thereof and the requirements of any governmental agency or authority having or claiming jurisdiction with respect thereto.

20. Law. This Agreement shall be construed in accordance with the laws of the State of South Carolina.

21. Execution. This Agreement and all amendments hereto may be executed in any number of original counterparts, each of which when so executed and delivered shall be an original and all of which, collectively, shall constitute one and the same agreement, it being understood and agreed that the signature pages may be detached from one or more counterparts and combined with the signature pages from any other counterpart in order that one or more fully executed originals may be assembled. In addition, due execution of this Agreement by any party may be evidenced by a facsimile copy hereof reflecting the signature of such party.

22. No Waiver. Nothing herein shall be deemed to be a waiver or limitation of the rights of Owner at law or in equity. The failure of Owner to complain of any

act or omission on the part of the other (however long the same may continue), in no event, shall be deemed to be a waiver by Owner of any rights hereunder or of the right to recover the amount of any payment or the cost of any performance made or done under protest, whether or not such protest was made in writing. No waiver by Owner shall be effective unless in writing and signed by Owner. No waiver of any breach of any provision of this Agreement shall be deemed a waiver of a breach of any other provision of this Agreement or consent to any subsequent breach of the same or any other provision.

EXECUTED as a sealed instrument as of the date and year set forth above.

OWNER:

James Square E&A, LLC

By: _____

Name: Terri Thompson

Title: Asset Manager

Hereunto duly authorized

LICENSEE:

Consultech Environmental, Inc.

By: _____

Name: Jessica Guthrie

Title: Project Coordinator

Hereunto duly authorized

APPENDIX 3
Soil Boring Logs and Monitoring Well Construction Details

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-1	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Clayey Sand, Dry, No Odor
8			0		Brown, Clayey Sand, Moist, No Odor
12			0		Light Brown, Clayey Sand, Moist, No Odor
16			0		Light Brown & Grey, Sandy Clay, Moist, No Odor
20			13.6		Light Brown & Grey, Sandy Clay, Moist, No Odor
24*			436		Orange & Grey, Clayey Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-2	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Clayey Sand, Dry, No Odor
8			0		Brown, Clayey Sand, Moist, No Odor
12			1.4		Light Brown, Clayey Sand, Moist, No Odor
16			2		Tan, Sandy Clay, Dry, No Odor
20			45.6		Grey, Sandy Clay, Moist, No Odor
24*			370		Tan, Clayey Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-3	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Clayey Sand, Dry, No Odor
8				0.8		Light Brown, Clayey Sand, Moist, No Odor
12				1.3		Light Brown, Sandy Clay, Moist, No Odor
16				2.9		Orange, Clayey Sand, Moist, Slight Odor
20				10.6		Orange, Clayey Sand, Wet, Odor
24*				17.1		Grey & Tan, Clayey Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-4	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Red Brown, Clayey Sand, Dry, No Odor
8				0		Brown, Clayey Sand, Moist, No Odor
12				0		Brown, Clayey Sand, Moist, No Odor
16				0		Brown, Clayey Sand, Moist, No Odor
20				0		Tan, Clayey Sand, Moist/Wet, No Odor
24*				0		Tan, Sandy Fat Clay, Moist, No Odor
28				0		Tan, Sandy Fat Clay, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-5	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Light Brown, Clayey Sand, Moist, No Odor
8			0		Light Brown, Clayey Sand, Moist, No Odor
12			0		Light Brown, Clayey Sand, Moist, No Odor
16			4.5		Grey, Sandy Clay, Moist, No Odor
20			6.8		Orange, Clayey Sand, Moist/Wet, No Odor
24*			2.3		Maroon & Grey, Sandy Fat Clay, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-6	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Clayey Sand, Moist, No Odor
8				0		Brown, Clayey Sand, Moist, No Odor
12				0		Brown, Clayey Sand, Moist, No Odor
16				0		Light Brown & Grey, Sandy Clay, Moist, No Odor
20				0		Orange, Clayey Sand, Moist, No Odor
24*				0		Grey, Clayey Sand, Wet, Slight Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-7	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			1.8		Brown, Clayey Sand, Moist, No Odor
8			2.4		Red Brown, Clayey Sand, Moist, No Odor
12			5		Orange, Clayey Sand, Moist, No Odor
16			26.1		Orange, Clayey Sand, Moist, Odor
20			126		Orange & Grey, Clayey Sand, Moist, Odor
24*			211		Grey & Tan, Clayey Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-8	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				1.2		Brown, Clayey Sand, Moist, No Odor
8				2.7		Red Brown, Clayey Sand, Moist, No Odor
12				6		Orange, Clayey Sand, Moist, Odor
16				19.2		Orange, Clayey Sand, Moist, Odor
20				26.9		Orange, Clayey Sand, Moist, Odor
24*				32.4		Tan & Orange, Clayey Sand, Moist, Odor
28				40.1		Tan & Orange, Clayey Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-9	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0.5		Red Brown, Clayey Sand, Dry, No Odor
8			3.1		Red Brown, Clayey Sand, Moist, No Odor
12			6.2		Red Brown, Clayey Sand, Moist, Slight Odor
16			12.1		Orange, Clayey Sand, Moist, Odor
20			12.4		Orange, Clayey Sand, Moist, Odor
24*			26.9		Orange, Clayey Sand, Moist, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-10	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0.2		Brown, Clay Sand, Dry, No Odor
8			0.3		Brown, Clay Sand, Dry, No Odor
12			0.9		Brown, Clay Sand, Dry, No Odor
16			5.1		Brown, Clay Sand, Dry, No Odor
20			6		Brown, Clay Sand, Dry, No Odor
24*			8.8		Grey, Clay Sand, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-11	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			1.3		Brown, Clay Sand, Dry, No Odor
8			2.1		Red-Grey, Clay Sand, Dry, No Odor
12			2.9		Red-Grey, Clay Sand, Dry, No Odor
16			62.6		Red-Grey, Firm, Dry, Odor
20			222		Red-Grey, Firm, Dry, Odor
24*			232		Red-Grey, Firm, Dry, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-12	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			2.5		Brown, Clay Sand, Moist, No Odor
8			5.1		Brown, Clay Sand, Moist, No Odor
12			5.7		Grey, Clay Sand, Moist, No Odor
16			57.5		Grey, Clay Sand, Moist, Odor
20			39.4		Grey, Clay Sand, Moist, Odor
24*			19.4		Grey, Clay Sand, Moist, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-13	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0.3		Brown, Clayey Sand, Dry, No Odor
8			0.6		Brown, Clayey Sand, Dry, No Odor
12			1.2		Brown, Clayey Sand, Dry, No Odor
16			1.8		Brown, Clayey Sand, Dry, No Odor
20			9.7		Brown, Clayey Sand, Dry, Slight Odor
24*			13.5		Brown, Clayey Sand, Moist, Slight Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-14	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/9/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				1.3		Brown, Clayey Sand, Dry, No Odor
8				2.5		Brown, Clayey Sand, Dry, No Odor
12				5.3		Brown, Clayey Sand, Moist, No Odor
16				11.2		Brown, Clayey Sand, Moist, Slight Odor
20				22.1		Brown, Clayey Sand, Moist, Odor
24*				45.5		Brown, Clayey Sand, Moist, Odor
28				0		Grey w/purple haze, Fat Clay, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-15	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/10/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0.5		Brown, Sandy Clay, Dry, No Odor
8			3.2		Brown, Clayey Sand, Dry, No Odor
12			5.2		Brown, Clayey Sand, Moist, No Odor
16			8		Brown, Clayey Sand, Moist, No Odor
20			9.2		Tan, Silty Sand, Moist, No Odor
24*			21.3		Tan, Silty Sand, Wet, Slight Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-16	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/10/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				1.4		Brown, Sandy Clay, Moist, No Odor
8				2.4		Brown, Sandy Clay, Moist, No Odor
12				2.7		Brown, Sandy Clay, Moist, No Odor
16				4.6		Brown, Clayey Sand, Moist, No Odor
20				3		Tan, Clayey Sand, Moist, No Odor
24				5.1		White, Sand, Moist, No Odor
27*				11.9		White, Sand, Wet, Odor
28				129		Marroon, Sandy Fat Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/10/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Clayey Sand, Dry, No Odor
8			0		Red Brown, Clayey Sand, Moist, No Odor
12			1.2		Red Brown, Clayey Sand, Moist, No Odor
16			1		Orange, Clayey Sand, Moist, No Odor
20			1.2		Orange & Tan, Clayey Sand, Moist, No Odor
24			2.3		White, Clayey Sand, Moist, No Odor
26*			2		Orange & Tan, Clayey Sand, Wet, No Odor
28			0		Grey & Maroon, Fat Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/10/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Clayey Sand, Dry, No Odor
8			0.8		Brown, Clayey Sand, Moist, No Odor
12			2.4		Brown, Sandy Clay, Moist, No Odor
16			2.4		Brown, Clayey Sand, Moist, No Odor
20			2.5		Tan,Silty Sand, Moist, No Odor
24			6		White & Tan, Silty Sand, Moist, No Odor
28*			152		Orange, Silty Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/10/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Clayey Sand, Dry, No Odor
8			0		Brown, Clayey Sand, Moist, No Odor
12			10.8		Brown, Sandy Clay, Moist, No Odor
16			53.4		Brown, Silty Sand, Moist, Odor
20			10.2		Tan,Silty Sand, Moist, Odor
24*			60.2		Tan, Silty Sand, Wet, Odor
28*			7.2		Tan, Silty Sand, Wet, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-20	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/10/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Clayey Sand, Moist, No Odor
8				0		Red Brown, Clayey Sand, Moist, No Odor
12				6.4		Red Brown, Clayey Sand, Moist, No Odor
16				20.4		Red Brown, Sandy Clay, Moist, Slight Odor
20				35.1		Tan,Silty Sand, Moist, Odor
24				40.3		Tan,Silty Sand, Moist, Odor
27*				19.4		Tan, Silty Sand, Wet, Slight Odor
28				2.3		Red & Grey, Fat Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/10/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Clayey Sand, Dry, No Odor
8				1.2		Brown, Clayey Sand, Moist, No Odor
12				1.6		Red Brown, Sandy Clay, Moist, No Odor
16				8.3		Brown & Tan, Silty Sand, Moist, No Odor
20				18.6		Tan, Silty Sand, Moist, Odor
24				40.2		Tan & Grey, Silty Sand, Moist, Odor
28*				63.4		Tan & Grey, Silty Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/11/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Clayey Sand, Moist, No Odor
8				0		Brown, Clayey Sand, Moist, No Odor
12				1.2		Brown, Clayey Sand, Moist, No Odor
16				4.9		Orange, Silty Sand, Moist, No Odor
20				10.3		Orange, Silty Sand, Moist, No Odor
24				31.2		Grey, Silty Sand, Moist, Odor
28*				90.2		Grey & Red, Silty Clay, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/11/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				3.4		Brown, Silty Sand, Moist, No Odor
8				12.3		Brown, Clayey Sand, Moist, No Odor
12				85.2		Brown, Clayey Sand, Moist, Odor
16				6.2		Tan, Silty Sand, Moist, No Odor
20				275		Orange, Silty Sand, Moist, Odor
24				353		Tan, Silty Sand, Moist, Odor
28*				196		Tan, Silty Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-24	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/11/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				1.2		Brown, Silty Sand, Dry, No Odor
8				4.9		Brown, Silty Sand, Moist, No Odor
12				6.4		Brown, Clayey Sand, Moist, Odor
16				10.3		Tan, Silty Sand, Moist, No Odor
20				18.6		Tan, Silty Sand, Moist, Slight Odor
24				35.4		White, Silty Sand, Moist, Odor
28*				818		Grey, Silty Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-25	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/11/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Dry, No Odor
8			1.1		Brown, Clayey Silt, Moist, No Odor
12			8.3		Brown, Clayey Silt, Moist, No Odor
16			22.7		Brown, Clayey Silt, Moist, Odor
20			387		Orange, Silty Sand, Moist, Odor
24*			402		Grey, Silty Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-26	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/11/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			1.3		Red Brown, Clayey Silt, Moist, No Odor
8			15.2		Red Brown, Silty Sand, Moist, No Odor
12			109		Red Brown, Silty Sand, Moist, Odor
16			115		Brown & Tan, Silty Sand, Moist, Odor
20			232		Grey, Silty Sand, Moist, Odor
24			173		Orange & Tan, Silty Sand, Moist, Odor
28*			60.1		Grey, Silty Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/15/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS Every water Layer has been a very porous sand atop a layer of fat clay.
4			0		Red Brown, Clayey Sand, Dry, No Odor
8			0		Red Brown, Clayey Sand, Dry, No Odor
12			0.9		Red Brown, Clayey Sand, Dry, No Odor
16			12.5		Orange, Silty Sand, Moist, No Odor
20			53.9		Orange & Tan, Silty Sand, Moist, Odor
24			102		White, Silty Sand, Moist, Odor
28*			303		Grey, Silty Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/15/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS Every water Layer has been a very porous sand atop a layer of fat clay.
4				0		Red Brown, Clayey Sand, Dry, No Odor
8				0		Red Brown, Clayey Sand, Dry, No Odor
12				3.3		Red Brown, Clayey Sand, Dry, No Odor
16				31.9		Orange, Silty Sand, Moist, No Odor
20				41.2		Orange, Silty Sand, Moist, No Odor
24				92.1		Tan, Silty Sand, Moist, No Odor
28*				397		Grey, Silty Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/15/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS Every water Layer has been a very porous sand atop a layer of fat clay.
4				0		Brown, Clayey Sand, Dry, No Odor
8				0		Brown, Clayey Sand, Dry, No Odor
12				1.2		Orange, Silty Sand, Moist, No Odor
16				12.1		Orange, Silty Sand, Moist, Odor
20				34.6		Tan, Silty Sand, Moist, Odor
24				76.2		Grey & Tan, Silty Sand, Moist, Odor
28*				356		Orange & Grey, Silty Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/15/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS Every water Layer has been a very porous sand atop a layer of fat clay.
4			0		Red Brown, Clayey Sand, Moist, No Odor
8			0		Red Brown, Clayey Sand, Moist, No Odor
12			5.6		Red Brown, Clayey Sand, Moist, No Odor
16			25.9		Orange, Silty Sand, Moist, Odor
20			31.4		Orange & Tan, Silty Sand, Moist, Odor
24			77.7		Grey & Tan, Silty Sand, Moist, Odor
27*			75.1		Grey & Tan, Silty Sand, Wet, Odor
28*			418		Orange & Grey, Clayey Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/15/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS Every water Layer has been a very porous sand atop a layer of fat clay.
4			0		Brown, Silty Sand, Moist, No Odor
8			1.8		Light Brown, Silty Sand, Moist, No Odor
12			3.2		Light Brown, Silty Sand, Moist, No Odor
16			10.1		Light Brown, Silty Sand, Moist, No Odor
20			50		Light Brown, Silty Sand, Moist, Slight Odor
23*			12.8		Light Brown, Silty Sand, Wet, Slight Odor
24*			18.8		Purple Brown, Silty Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/15/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS Every water Layer has been a very porous sand atop a layer of fat clay.
4			0		Brown, Silty Sand, Moist, No Odor
8			0		Orange, Silty Sand, Moist, No Odor
12			0		Orange, Silty Sand, Moist, No Odor
16			0		Orange, Silty Sand, Moist, No Odor
20			4.4		Orange & Tan, Silty Sand, Moist, No Odor
22*			10.8		Orange & Tan, Silty Sand, Wet, No Odor
24*			14.8		Grey Brown, Sandy Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/15/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS Every water Layer has been a very porous sand atop a layer of fat clay.
4			0		Brown, Silty Sand, Moist, No Odor
8			0		Brown, Silty Sand, Moist, No Odor
12			21.2		Red Grey & Tan, Sandy Clay, Moist, Odor
16			81.9		Orange, Silty Sand, Moist, Odor
20			542		Orange, Silty Sand, Moist, Odor
22*			127		Orange, Silty Sand, Wet, Odor
24*			28.7		Purple & Grey, Sandy Clay, Moist, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/15/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 20'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS Every water Layer has been a very porous sand atop a layer of fat clay.
4				0		Brown, Silty Sand, Moist, No Odor
8				0		Orange & Tan, Silty Sand, Moist, No Odor
12				0		Orange & Tan, Silty Sand, Moist, No Odor
16				43.5		Grey & Orange, Clayey Sand, Moist, Odor
19*				245		Grey, Silty Sand, Wet, Odor
20				40.4		Grey & Purple, Silty Clay, Moist, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 20'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Clayey Sand, Moist, No Odor
8				0		Red Brown, Clayey Sand, Moist, No Odor
12				0		Orange, Clayey Sand, Moist, No Odor
16				21.6		Orange, Clayey Sand, Moist, Slight Odor
20				122		Red Brown & Grey, Silty Clay, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 16'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Clayey Sand, Moist, No Odor
8				0		Red Brown & Grey, Clayey Sand, Moist, No Odor
12				47.9		Orange, Silty Sand, Moist, No Odor
16				58		Orange, Silty Sand, Wet, Odor
20				1.2		Red & Grey, Silty Fat Clay, Moist, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 16'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Clayey Sand, Moist, No Odor
8				0		Red Brown, Clayey Sand, Moist, No Odor
12				3.4		Brown & Grey, Clayey Sand, Moist, No Odor
16*				14.2		Red Brown & Grey, Clayey Sand, Wet, No Odor
20				6.1		Red Brown & Grey, Sandy Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 12'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Red Brown, Clayey Sand, Moist, No Odor
8			0		Red Brown & Grey, Clayey Sand, Moist, No Odor
12*			0		Red Brown & Grey, Clayey Sand, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Moist, No Odor
8				0		Brown, Clayey Sand, Moist, No Odor
12				0		Brown & Grey, Clayey Sand, Moist, No Odor
16				0		Orange, Silty Sand, Moist, No Odor
20				0		Orange, Silty Sand, Moist, No Odor
24*				6.2		Orange, Silty Sand, Moist, No Odor
28				0		Purple & Grey, Silty Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Moist, No Odor
8			0		Orange, Silty Sand, Moist, No Odor
12			0		Red Brown & Tan, Silty Sand, Moist, No Odor
16			0		Orange & Tan, Silty Sand, Moist, No Odor
20			0		Orange & Tan, Silty Sand, Moist, No Odor
23*			0		Orange & Tan, Silty Sand, Wet, No Odor
24			0		Purple & Grey, Silty Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Moist, No Odor
8			0		Orange, Silty Sand, Moist, No Odor
12			0		Orange, Silty Sand, Moist, No Odor
16			0		Orange, Silty Sand, Moist, No Odor
20			13.4		Orange & Tan, Silty Sand, Moist, Slight Odor
21*			10.4		Orange & Tan, Silty Sand, Wet, Slight Odor
24			2.8		Purple & Grey, Sandy Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Moist, No Odor
8				0		Brown, Silty Sand, Moist, No Odor
12				0		Orange, Silty Sand, Moist, No Odor
16				1.2		Orange, Silty Sand, Moist, No Odor
20				20.6		Orange & Tan, Silty Sand, Moist, Slight Odor
24				80.4		Orange & Tan, Silty Sand, Moist, Odor
28*				303		Orange & Grey, Silty Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Dry, No Odor
8			0		Brown, Silty Sand, Moist, No Odor
12			0		Light Brown, Silty Sand, Moist, No Odor
16			6.3		Orange, Silty Sand, Moist, Odor
20			91.4		Orange & Tan, Silty Sand, Moist, Odor
24			80.4		Orange & Tan, Silty Sand, Moist, Odor
28*			274		Orange Tan & Grey, Silty Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Dry, No Odor
8			0		Light Brown, Silty Sand, Moist, No Odor
12			0		Orange, Silty Sand, Moist, No Odor
16			1.4		Orange & Tan, Silty Sand, Moist, Odor
20			6.3		Orange & Tan, Silty Sand, Moist, Odor
24			21.2		Orange & Tan, Silty Sand, Moist, Slight Odor
27*			54.2		Orange & Grey, Silty Clay, Moist, Odor
28			101		Purple & Grey, Silty Clay, Moist, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Dry, No Odor
8			0		Brown, Silty Sand, Moist, No Odor
12			0		Brown, Silty Sand, Moist, No Odor
16			3.9		Orange & Tan, Silty Sand, Moist, No Odor
20			4.5		Orange, Silty Sand, Moist, Odor
24			6.2		Orange & Tan, Silty Sand, Moist, No Odor
28*			95.1		Orange & Grey, Silty Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Red Brown, Clayey Sand, Dry, No Odor
8				0		Red Brown, Clayey Sand, Dry, No Odor
12				0		Red Brown, Clayey Sand, Dry, No Odor
16				0		Orange, Silty Sand, Moist, No Odor
20				6.2		Orange & Tan, Silty Sand, Moist, No Odor
24				7.4		Orange & Tan, Silty Sand, Moist, No Odor
28*				378		Tan & Purple, Silty Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Brown, Silty Sand, Dry, No Odor
12				0		Light Brown, Silty Sand, Moist, No Odor
16				10.1		Tan, Silty Sand, Moist, No Odor
20				44.7		Orange & Tan, Silty Sand, Moist, Odor
24				13.2		Orange & Tan, Silty Sand, Moist, Slight Odor
27*				23.6		Orange & Tan, Silty Sand, Wet, Slight Odor
28				630		Grey & Purple, Silty Clay, Moist, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Dry, No Odor
8			0		Brown, Silty Sand, Moist, No Odor
12			0		Light Brown, Silty Sand, Moist, No Odor
16			0		Tan, Silty Sand, Moist, No Odor
20			2.7		Orange, Silty Sand, Moist, No Odor
24			6.3		Orange & Tan, Silty Sand, Moist, No Odor
26*			4.7		Orange & Purple, Silty Sand, Wet, No Odor
28			27.9		Grey & Purple, Silty Clay, Moist, Slight Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Brown, Silty Sand, Moist, No Odor
12				0		Brown, Silty Sand, Moist, No Odor
16				0		Tan, Silty Sand, Moist, No Odor
20				0		Orange & Tan, Silty Sand, Moist, No Odor
24				0		Tan, Silty Sand, Moist, No Odor
28*				4		Red Brown,Tan & Grey, Silty Sand, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Moist, No Odor
8				0		Light Brown, Clayey Sand, Moist, No Odor
12				0		Light Brown, Silty Sand, Moist, No Odor
16				0		Light Brown, Silty Sand, Moist, No Odor
20				0		Light Brown & Grey, Clayey Sand, Moist, No Odor
23*				0		Light Brown & Grey, Silty Sand, Wet, No Odor
24				0		Purple & Grey, Silty Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Moist, No Odor
8				0		Brown, Clayey Sand, Moist, No Odor
12				0		Orange, Silty Sand, Moist, No Odor
16				0		Orange, Silty Sand, Moist, No Odor
20				0		Orange, Silty Sand, Moist, No Odor
23*				0		Orange & Tan, Silty Sand, Wet, No Odor
24				0		Grey Purple, Sandy Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 20'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS In a Junkyard
4			0		Brown, Clayey Sand, Dry, No Odor
8			4.6		Black & Light Brown, Fill Dirt, Dry, No Odor
12			94.7		Grey, Silty Sand, Moist, Odor
16			60.7		Brown & Grey, Silty Sand, Moist, Odor
20*			12.3		Black & Tan, Silty Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 20'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS In a Junkyard
4			0		Grey & Black, Fill Dirt, Moist, No Odor
8			0		Black, Fill Dirt, Moist, No Odor
12			0		Light Brown, Silty Sand, Moist, No Odor
16			0		Grey, Clayey Sand, Moist, No Odor
19*			0		Tan, Silty Sand, Wet, No Odor
20			0		Red & Grey, Silty Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS In a Junkyard
4			0		Black, Fill Dirt, Dry, No Odor
8			0		Black & Grey, Fill Dirt, Dry, No Odor
12			0		Brown, Silty Sand, Moist, No Odor
16			0		Red,Brown & Tan, Clayey Sand, Moist, No Odor
20			0		Orange & Tan, Silty Sand, Moist, No Odor
23*			0		Orange & Tan, Silty Sand, Wet, No Odor
24			0		Orange & Tan, Silty Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Dry, No Odor
8			0		Red Brown, Clayey Sand, Dry, No Odor
12			0		Red Brown, Clayey Sand, Dry, No Odor
16			0		Orange, Silty Sand, Dry, No Odor
20			0		Tan, Silty Sand, Moist, No Odor
24			1.2		White & Tan,Silty Sand, Moist, No Odor
27*			1.5		White & Tan,Silty Sand, Wet, No Odor
28			2.3		Purple & Grey, Sandy Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/22/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Brown, Silty Sand, Dry, No Odor
12				0		Brown, Silty Sand, Dry, No Odor
16				0		Orange, Silty Sand, Moist, No Odor
20				1.2		Orange & Tan, Silty Sand, Moist, No Odor
24				3.4		White & Tan,Silty Sand, Moist, No Odor
27*				4.5		White & Tan,Silty Sand, Moist, No Odor
28				5.3		Purple & Grey, Sandy Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/22/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Brown, Silty Sand, Dry, No Odor
12				10.2		Brown, Silty Sand, Dry, No Odor
16				12.5		Brown, Silty Sand, Dry, No Odor
20				22.5		Orange & Tan, Silty Sand, Moist, Odor
24				29.2		White,Silty Sand, Moist, Odor
28*				914		White & Tan, Clayey Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/22/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Brown, Silty Sand, Dry, No Odor
12				0		Brown, Silty Sand, Dry, No Odor
16				3.2		Brown, Silty Sand, Moist, No Odor
20				5.6		Orange, Silty Sand, Moist, No Odor
24				7.9		White,Silty Sand, Moist, No Odor
28*				12.7		White. Silty Sand, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/22/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Brown, Silty Sand, Dry, No Odor
12				0		Brown, Silty Sand, Dry, No Odor
16				1.4		Light Brown, Silty Sand, Moist, No Odor
20				4.6		Orange & Tan, Silty Sand, Moist, No Odor
24				7.2		White,Silty Sand, Moist, No Odor
28*				10.1		White & Tan, Silty Sand, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/22/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLER	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Brown, Silty Sand, Dry, No Odor
12				0		Brown, Silty Sand, Moist, No Odor
16				0		Light Brown, Silty Sand, Moist, No Odor
20				1.1		Orange, Silty Sand, Moist, No Odor
24				1.2		Orange & White, Silty Sand, Moist, No Odor
28*				2.3		White, Silty Sand, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/22/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 32'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Brown, Silty Sand, Dry, No Odor
12				0		Brown, Silty Sand, Moist, No Odor
16				0		Brown, Silty Sand, Moist, No Odor
20				0		Tan, Silty Sand, Moist, No Odor
24				0		Grey, Silty Sand, Moist, No Odor
28				0		Grey & Tan, Clayey Sand, Moist, No Odor
32*				0		Grey & Brown, Sandy Clay, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/22/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Brown, Silty Sand, Dry, No Odor
12				0		Brown, Silty Sand, Moist, No Odor
16				0		Brown, Silty Sand, Moist, No Odor
20				5.1		Orange, Silty Sand, Moist, No Odor
24				6.8		Grey, Silty Sand, Moist, No Odor
28*				37.9		Orange & Tan, Silty Sand, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/22/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Brown, Silty Sand, Dry, No Odor
12				0		Brown, Silty Sand, Dry, No Odor
16				0		Brown, Silty Sand, Moist, No Odor
20				0		Orange, Silty Sand, Moist, No Odor
24				0		Grey, Silty Sand, Moist, No Odor
28*				0		Grey & Tan, Silty Sand, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				1.5		Red Brown, Clayey Sand, Moist, No Odor
12				8.1		Red Brown, Clayey Sand, Moist, No Odor
16				10.8		Orange, Silty Sand, Moist, Slight Odor
20				15.6		Orange, Silty Sand, Moist, Slight Odor
24				41.4		White, Silty Sand, Moist, Odor
27*				1841		Orange & Tan, Silty Sand, Wet, Odor
28				1015		Purple & Orange, Sandy Clay, Moist, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Brown, Silty Sand, Moist, No Odor
12				1.3		Red Brown, Clayey Sand, Moist, No Odor
16				3.4		Red Brown, Clayey Sand, Moist, No Odor
20				8.4		Orange, Silty Sand, Moist, No Odor
24				18.8		Orange, Silty Sand, Moist, Slight Odor
26*				83.1		Purple & Orange, Silty Sand, Wet, Odor
28				60.7		Purple & Orange, Sandy Clay, Moist, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, White,& Red, Fill Dirt, Dry, No Odor
8					Brown, White,& Red, Fill Dirt, Dry, No Odor
12			0		Brown, Clayey Sand, Moist, No Odor
16			0		Orange Brown, Clayey Sand, Moist, No Odor
20			1.2		Orange Brown, Clayey Sand, Moist, No Odor
24*			2.5		Orange, Silty Sand, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 12'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			4.1		Red Brown, Clayey Sand, Moist, No Odor
8*			6.2		Grey & Brown, Clayey Sand, Wet, No Odor
12			14.5		Grey, Sandy Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 12'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			4		Red Brown, Clayey Sand, Moist, No Odor
8			4.4		Brown & Black, Clayey Sand, Moist/Wet, No Odor
10*			6		Brown & Black, Clayey Sand, Wet, No Odor
12			13.9		Grey, Sandy Clay, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 12
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0.8			Brown, Clayey Sand, Moist, No Odor
8		5			Brown, Clayey Sand, Wet, No Odor
12*		3.2			Black, Sandy Clay, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 12
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		3.5			Brown, Silty Sand, Moist, No Odor
8		5.9			Black, Silty Sand, Moist/Wet, No Odor
12*		13.7			Brown/Black, Silty Sand, Wet, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-71	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 12
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		1.2			Brown, Silty Sand, Moist, No Odor
8		0			Grey Red & Brown, Sandy Clay, Moist, No Odor
12*		13.7			Grey & Orange, Sandy Clay, Wet, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-72	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0			Brown, Silty Sand, Moist, No Odor
8		0			Red Brown, Silty Sand, Dry, No Odor
12		0			Red Brown, Silty Sand, Dry, No Odor
16		0			Orange, Silty Snad, Moist, No Odor
20		5.6			Tan, Silty Sand, Moist, No Odor
24		12.4			Orange & Grey, Silty Sand, Moist, Slight Odor
28*		104			Orange & Tan, Silty Sand, Wet, Slight Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-73	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0			Red Brown, Silty Sand, Dry, No Odor
8		0			Red Brown, Silty Sand, Dry, No Odor
12		0			Red Brown, Silty Sand, Dry, No Odor
16		1.2			Brown, Silty Sand, Moist, No Odor
20		4.2			Tan, Silty Sand, Moist, No Odor
24		6.4			Tan, Silty Sand, Moist, No Odor
28*		6.5			Purple Grey & Tan, Clayey Sand, Wet, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-74	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0			Red Brown, Silty Sand, Dry, No Odor
8		0			Red Brown, Silty Sand, Dry, No Odor
12		0			Red Brown, Silty Sand, Dry, No Odor
16		0			Orange, Silty Sand, Dry, No Odor
20		1.2			Orange, Silty Sand, Moist, No Odor
24		5.2			Orange, Silty Sand, Moist, No Odor
28*		36.8			Tan Pink & Grey, Silty Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-75	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0			Brown, Silty Sand, Dry, No Odor
8		0			Red Brown, Silty Sand, Dry, No Odor
12		0			Red Brown, Silty Sand, Dry, No Odor
16		0			Orange, Silty Sand, Moist, No Odor
20		0			Orange, Silty Sand, Moist, No Odor
24		0.5			White, Silty Sand, Moist, No Odor
27*		1.4			Grey,Silty Sand, Wet, No Odor
28		3.2			Purple & Grey, Silty Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0			Brown, Silty Sand, Dry, No Odor
8		0			Red Brown, Silty Sand, Dry, No Odor
12		0			Red Brown, Silty Sand, Dry, No Odor
16		0			Orange, Silty Sand, Dry, No Odor
20		0			Orange, Silty Sand, Moist, No Odor
24		6.2			White, Silty Sand, Moist, No Odor
28*		7.4			Grey & Tan, Clayey Sand, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0			Brown, Silty Sand, Dry, No Odor
8		0			Brown, Silty Sand, Dry, No Odor
12		2.7			Orange & Tan, Silty Sand, Dry, No Odor
16		6.3			Orange, Silty Sand, Moist, No Odor
20		12			Orange, Silty Sand, Moist, Odor
24		25.1			Grey, Silty Sand, Moist, Odor
28*		105			Purple & Grey, Sandy Clay, Wet, Odor

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PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0			Brown, Silty Sand, Dry, No Odor
8		0			Brown, Silty Sand, Dry, No Odor
12		0			Tan, Silty Sand, Dry, No Odor
16		4.5			Orange, Silty Sand, Moist, No Odor
20		7.9			Orange, Silty Sand, Moist, No Odor
24		62.3			Grey, Silty Sand, Moist, Odor
27*		184			Purple & Grey, Silty Sand, Wet, Odor
28*		205			Purple & Grey, Sandy Clay, Moist, Odor

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PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0			Brown, Clayey Sand, Dry, No Odor
8		0			Brown, Clayey Sand, Dry, No Odor
12		0			Light Brown, Silty Sand, Dry, No Odor
16		0			Tan, Silty Sand, Moist, No Odor
20		0			Orange, Silty Sand, Moist, No Odor
24		0			Orange & Tan, Silty Sand, Moist, No Odor
28*		0			White & Orange, Silty Sand, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 31'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
31				H2O	

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-2	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 26'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
26				H2O	

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-3	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
24				H2O	

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PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 14'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
14					H2O

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PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 14'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
14				H2O	

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-6	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
24					H2O	

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-7	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
28				H2O	

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-8	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
28				H2O	

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-9	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
28				H2O	

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-10	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 14'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
14					Dry

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PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 16'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
16						Water Sample

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. DSB-1	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 64'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			4.3		Brown, Clayey Sand, Dry, No Odor
8			6.5		Brown, Clayey Sand, Dry, No Odor
12			8.6		Light Brown, Silty Sand, Moist, No Odor
16			12.4		Orange, Silty Sand, Moist, No Odor
20			20.1		Orange, Silty Sand, Moist, Slight Odor
24			60.7		Tan & White, Silty Sand, Moist, Odor
28			387		Tan & White, Silty Sand, Moist, Odor
32			1923		Purple & Grey, Clayey Sand, Wet, Odor
36			1975		Purple & Grey, Sandy Clay, Moist, Odor
40			1342		Purple & Grey, Sandy Clay, Moist, Odor
44			1219		Purple & Grey, Silty Sand, Moist, Odor
48			987		Grey & Tan, Silty Sand, Wet, Odor
52			875		Grey & Tan, Silty Sand, Wet, Odor
56			912		Tan, Silty Sand, Wet, Odor
60			443		Tan & Purple& Grey, Silty Sand, Wet, Odor
64			195		Red & Tan & Purple, Sandy Clay, Moist, Odor

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-27 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Light Brown Clavey Sand	12	12
Grey Sandy Clay	4	16
Orange Clavey Sand	4	20
Grey Sandy Clay	10	30
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-27

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/7/05

_____30_____ ft Date Completed: 4/7/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.:_____2"_____
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
_____2"_____in. to ____15____ft depth
_____in. to _____ft depth

Height: Above/Below
Surface_Flush__ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type____PVC_____ Diam.:_____2"_____
Slot/Gauge:____0.010_____ Length: _____15_____
Set Between: ____15__ft and __30__ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL __17__ below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from____13_____ft. to ____30_____ft
Effective size____20/30_____Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From_____0.5_____ft to _____13_____ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-28 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clavey Sand	12	12
Grey Sandy Clay	4	16
Orange Clavey Sand	4	20
Grey Clavey Sand	4	24
Grey Sandy Clay	6	30
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-28

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/6/05

30 ft Date Completed: 4/6/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 15 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 15 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 19 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 13 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 13 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-29 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clayey Sand	20	20
Grey Clayey Sand	4	24
Grey Sandy Clay	6	30
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-29

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/6/05

30 ft Date Completed: 4/6/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 15 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight _____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 15 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 19 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 13 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 13 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
Type _____
Well Disinfected [ ] Yes [ ] No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not installed [ ]
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft Capacity _____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-30 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clayey Sand	24	24
Grey Sandy Clay	6	30
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-30

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/7/05

30 ft Date Completed: 4/7/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.:_____2"_____
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 15 ft depth
_____ in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 15 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 23 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 13 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 13 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _ft_ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-31 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clavey Sand	16	16
Tan Silty Sand	11	27
Grey Sandy Clay	1	28
Red Brown Silty Sand	7	35
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-31

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/7/05

35 ft Date Completed: 4/7/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-32 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clavey Sand	8	8
Grey Clavey Sand	22	30
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-32

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/7/05

30 ft Date Completed: 4/7/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 15 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 15 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 24 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 13 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 13 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-33 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clavey Sand	12	12
Tan Silty Sand	16	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-33

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/8/05

35 ft Date Completed: 4/8/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 26 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-34 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Red Brown Clavey Sand	12	12
Tan Silty Sand	15	27
Grey Clavey Sand	1	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-34

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/8/05

35 ft Date Completed: 4/8/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-35 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Red Brown Clavey Sand	12	12
Tan Silty Sand	16	28
Grev Sandy Clay	7	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-35

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/8/05

35 ft Date Completed: 4/8/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 26 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-36 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clavey Sand	16	16
Tan Silty Sand	12	28
Purple Grey Sandy Clay	7	35
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-36

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/8/05

35 ft Date Completed: 4/8/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 26 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-37 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	12	12
Tan Silty Sand	16	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-37

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/8/05

35 ft Date Completed: 4/8/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 26 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-38 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	16	16
Tan Silty Sand	12	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-38

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/4/05

_____35_____ ft Date Completed: 4/4/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.:_____2"_____
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
_____2"_____in. to _____20_____ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface_Flush__ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type_____PVC_____ Diam.:_____2"_____
Slot/Gauge:_____0.010_____ Length:_____15_____
Set Between: _____20_____ft and _____35_____ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL __27__ below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from_____18_____ft. to _____35_____ft
Effective size_____20/30_____Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From_____0.5_____ft to _____18_____ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: ___5/02/05_____
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-39 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	16	16
Tan Silty Sand	8	24
White & Tan Clayey Sand	4	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-39

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/5/05

35 ft Date Completed: 4/5/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 28 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping_____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____ Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-40 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	4	4
Red Brown Clavey Sand	8	12
Tan Silty Sand	15	27
Grey Sandy Clay	8	35
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-40

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/5/05

35 ft Date Completed: 4/5/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-41 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	24	24
Tan Clavey Sand	4	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-41

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/4/05

35 ft Date Completed: 4/4/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-42 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	24	24
Tan Clayey Sand	4	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-42

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/4/05

35 ft Date Completed: 4/4/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. **STATIC WATER LEVEL** 28 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-43 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Road
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	8	8
Tan Silty Sand	16	24
Grey Sandy Clay	16	40
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-43

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/25/05

40 ft Date Completed: 3/25/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight _____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20
Set Between: 20 ft and 40 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 28 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 40 ft
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type _____
Well Disinfected [ ] Yes [ ] No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not installed [ ]
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft Capacity _____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-44 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Road
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	8	8
Tan Silty Sand	16	24
Grey Sandy Clay	7	31
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-44

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/25/05

_____31_____ ft Date Completed: 3/25/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.:_____2"_____
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
_____2"_in. to ____11____ft depth
_____in. to _____ft depth

Height: Above/Below
Surface_Flush__ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type_____PVC_____ Diam.:_____2"_____
Slot/Gauge:____0.010_____ Length: _____20_____
Set Between: ____11__ft and _31__ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 28 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from____9_____ft. to ____31_____ft
Effective size____20/30_____Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From_____0.5_____ft to _____9_____ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: ___5/02/05_____
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-45 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Road
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	8	8
Tan Silty Sand	16	24
Grey Sandy Clay	6	30
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-45

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/28/05

30 ft Date Completed: 3/28/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 10 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20
Set Between: 10 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 24 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 8 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 8 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____ Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-46 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Road
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	8	8
Tan Silty Sand	16	24
Grey Sandy Clay	6	30
Tan Clayey Sand	5	35
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-46

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/31/05

35 ft Date Completed: 3/31/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.:_____2"_____
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 15 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20
Set Between: 15 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 26 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 13 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 13 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-47 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	8	8
Red Brown Clavey Sand	8	16
Orange Silty Sand	10	26
Orange Sandy Clay	9	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-47

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/30/05

35 ft Date Completed: 3/30/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 15 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20
Set Between: 15 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 24 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 13 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 13 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-48 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	8	8
Red Brown Clayey Sand	8	16
Orange Silty Sand	10	26
Orange Sandy Clay	4	30
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-48

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/30/05

30 ft Date Completed: 3/30/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 10 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20
Set Between: 10 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 24 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 8 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 8 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-49 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Black Fill Dirt	8	8
Brown Silty Sand	4	12
Brown Clayey Sand	4	16
Orange Silty Sand	7	23
Tan Silty Clay	7	30
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-49

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/29/05

30 ft Date Completed: 3/29/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 10 ft depth
_____ in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20
Set Between: 10 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 19 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 8 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 8 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-50 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Black Fill Dirt	8	8
Brown Silty Sand	4	12
Brown Clavey Sand	4	16
Orange Silty Sand	7	23
Tan Silty Clay	7	30
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-50

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/29/05

30 ft Date Completed: 3/29/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 10 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface_Flush__ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20
Set Between: 10 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 15 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 8 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 8 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-51 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clavey Sand	12	12
Orange Silty Sand	16	28
Grey Silty Clay	7	35
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-51

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/29/05

35 ft Date Completed: 3/29/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 15 ft depth
_____ in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20
Set Between: 15 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 25 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 13 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 13 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-52 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clavey Sand	12	12
Orange Silty Sand	16	28
Grey Silty Clay	7	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-52

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/24/05

30 ft Date Completed: 3/24/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 10 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20
Set Between: 10 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 22 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 8 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 8 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-53 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clavey Sand	16	16
Grey Silty Clay	4	20
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-53

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/24/05

20 ft Date Completed: 3/24/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 5 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 5 ft and 20 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 22 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 3 ft. to 20 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 3 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-54 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clavey Sand	12	12
Brown Sandy Clay	8	20
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-54

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/23/05

20 ft Date Completed: 3/23/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 5 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 5 ft and 20 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 13 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 3 ft. to 20 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 3 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-55 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Red Brown Clavey Sand	12	12
Brown Sandy Clay	2	14
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-55

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/23/05

14 ft Date Completed: 3/23/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 4 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10
Set Between: 4 ft and 14 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 8 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 2 ft. to 14 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 2 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-56 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Red Brown Clayey Sand	12	12
Brown Sandy Clay	8	20
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-56

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/22/05

20 ft Date Completed: 3/22/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.:_____2"_____
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 5 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 5 ft and 20 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 9 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 3 ft. to 20 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 3 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-57 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Red Brown Clavey Sand	12	12
Brown Sandy Clay	2	14
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-57

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/22/05

14 ft Date Completed: 3/22/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 4 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10
Set Between: 4 ft and 14 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 8 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 2 ft. to 14 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 2 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-58 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from _____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	12	12
Brown Sandy Clay	7	19
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-58

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/21/05

19 ft Date Completed: 3/21/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 4 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight _____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 4 ft and 19 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 8 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 2 ft. to 19 ft
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 2 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
Type _____
Well Disinfected [ ] Yes [ ] No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not installed [ ]
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft Capacity _____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-59 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	12	12
Brown Sandy Clay	5	17
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-59

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/21/05

_____17_____ ft Date Completed: 3/21/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.:_____2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
_____2"_in. to ____2____ft depth
_____in. to _____ft depth

Height: Above/Below
Surface_Flush__ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type_____PVC_____ Diam.:_____2"_____
Slot/Gauge:____0.010_____ Length: _____15_____
Set Between: ____2__ft and __17__ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL __5__ below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from____1_____ft. to ____17_____ft
Effective size____20/30_____Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From_____0.5_____ft to _____1_____ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: __5/02/05_____
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-60 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	8	8
Grey Sandy Clay	6	14
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-60

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/21/05

_____14_____ ft Date Completed: 3/21/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.:_____2"_____
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
_____2" in. to ____4____ft depth
_____in. to _____ ____ft depth

Height: Above/Below
Surface_Flush__ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type____PVC_____ Diam.:_____2"_____
Slot/Gauge:____0.010_____ Length: _____10_____
Set Between: ____4__ft and __14__ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL __7__ below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from____2_____ft. to ____14_____ft
Effective size____20/30_____Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From_____0.5_____ft to _____2_____ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: ___5/02/05_____
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-61 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clavey Sand	16	16
Tan Silty Sand	11	27
Grey Sandy Clay	8	35
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-61

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 5/13/05

35 ft Date Completed: 5/13/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight _____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type _____
Well Disinfected [ ] Yes [ ] No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not installed [ ]
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft Capacity _____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/20/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-62 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clavey Sand	10	10
Tan Silty Sand	13	23
Grey Sandy Clay	12	35
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-62

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 5/13/05

35 ft Date Completed: 5/13/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/20/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-63 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	15	15
Tan Clayey Sand	10	25
Grey Sandy Clay	10	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-63

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 5/13/05

35 ft Date Completed: 5/13/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/20/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-64 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	21	21
Tan Clavey Sand	8	29
Grey Sandy Clay	6	35
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-64

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 5/16/05

35 ft Date Completed: 5/16/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/20/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-65 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	21	21
Tan Clayey Sand	3	24
Grey Sandy Clay	11	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-65

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 5/16/05

35 ft Date Completed: 5/16/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/20/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-66 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	23	23
Tan Clavey Sand	5	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-66

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 5/17/05

35 ft Date Completed: 5/17/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight _____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type _____
Well Disinfected [ ] Yes [ ] No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not installed [ ]
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft Capacity _____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/20/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-67 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	19	19
Tan Silty Sand	10	29
Grey Sandy Clay	6	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-67

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 5/17/05

35 ft Date Completed: 5/17/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight _____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type _____
Well Disinfected [ ] Yes [ ] No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not installed [ ]
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft Capacity _____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/20/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-68 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	18	18
Tan Clayey Sand	4	22
Grey Sandy Clay	13	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-68

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 5/18/05

35 ft Date Completed: 5/18/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/20/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-69 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	17	17
Tan Clavey Sand	4	21
Grey Sandy Clay	14	35
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-69

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 5/18/05

35 ft Date Completed: 5/18/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight _____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
Type _____
Well Disinfected [ ] Yes [ ] No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not installed [ ]
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft Capacity _____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/20/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-70 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	15	15
Tan Clayey Sand	5	20
Grey Sandy Clay	15	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-70

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 5/18/05

_____35_____ ft Date Completed: 5/18/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.:_____2"_____
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
_____2"_in. to ____20____ft depth
_____in. to _____ft depth

Height: Above/Below
Surface_Flush__ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type____PVC_____ Diam.:_____2"_____
Slot/Gauge:____0.010_____ Length: _____15_____
Set Between: ____20__ft and __35__ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL __28__ below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from ___18_____ft. to ___35_____ft
Effective size___20/30_____Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From_____0.5_____ft to _____18_____ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: ___5/20/05_____
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: DW-4 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clavey Sand	8	8
Light Brown Silty Sand	20	28
Grey Clavey Sand	4	32
Grey Sandy Clay	78	110
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 DW-4

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/7/05

110 ft Date Completed: 4/7/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.:2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 105 ft depth
5" in. to 100 ft depth

Height: Above/Below
Surface_Flush__ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 5
Set Between: 105 ft and 110 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 13 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 103 ft. to 110 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 103 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: DW-5 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clavey Sand	8	8
Light Brown Silty Sand	20	28
Grey Clavey Sand	4	32
Grey Sandy Clay	38	70
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 DW-5

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/1/05

70 ft Date Completed: 4/1/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 65 ft depth
5" in. to 60 ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 5
Set Between: 65 ft and 70 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 45 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 63 ft. to 70 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 63 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft__ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: DW-6 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	28	28
Grey Clayey Sand	4	32
Grey Sandy Clay	38	70
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 DW-6

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/5/05

70 ft Date Completed: 4/5/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 65 ft depth
5" in. to 60 ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 5
Set Between: 65 ft and 70 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 45 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 63 ft. to 70 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 63 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: DW-7 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	12	12
Red Brown Sandy Clay	4	16
Grey Sandy Clay	39	55
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 DW-7

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/8/05

55 ft Date Completed: 4/8/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 50 ft depth
5" in. to 45 ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 5
Set Between: 50 ft and 55 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 25 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 48 ft. to 55 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 48 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: DW-8 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	12	12
Red Brown Sandy Clay	4	16
Grey Sandy Clay	39	55
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 DW-8

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/7/05

55 ft Date Completed: 4/7/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.:_____2"_____
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 50 ft depth
5" in. to 45 ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.:_____2"_____
Slot/Gauge: 0.010 Length: 5
Set Between: 50 ft and 55 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 25 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 48 ft. to 55 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 48 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: DW-9 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	12	12
Red Brown Sandy Clay	4	16
Grey Sandy Clay	49	65
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 DW-9

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 5/12/05

65 ft Date Completed: 5/13/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 60 ft depth
5" in. to 55 ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 5
Set Between: 60 ft and 65 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 25 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 58 ft. to 65 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 58 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/20/05
Authorized Representative

APPENDIX 4
Field Data

GROUNDWATER ELEVATION DATA

PROJECT NAME: Handy Pantry #65 & Clouds Chevron
DATE: 4/19-21/05 RECORDED BY: Rob Robinson

CONSULTECH PROJECT NO.: 04-12-008-009
MEASURING DEVICE: Oil/Water Interface Probe

WELL NO	DATE	TIME	DEPTH TO GROUND-WATER	DEPTH to FREE PRODUCT	pH	TEMP	CONDUCTIVITY	DISSOLVED OXYGEN
MW-1	4/19/05	1545	22.89		5.4	18.1	183	3.1
MW-2	4/19/05	1600	24.08		4.8	19.0	125	3.2
MW-3	4/19/05	1615	24.13	23.70	4.9	17.1	845	1.1
MW-4	4/19/05	1630	22.89		6.0	19.1	246	3.6
MW-5	4/19/05	1645	23.58		6.0	19.8	84	2.9
MW-6	4/19/05	1700	24.30		5.4	20.0	762	2.0
MW-7	4/19/05	1715	24.52		5.8	20.1	146	3.4
MW-8	4/19/05	1730	21.90		7.0	19.5	113	4.0
MW-9	4/19/05	1745	23.54		5.2	20.2	794	1.8
MW-10	4/19/05	1800	18.52	17.73	5.1	20.1	1243	1.3
MW-11	4/19/05	1530	20.17		7.2	20.8	346	2.4
MW-12	4/19/05	800	5.25		6.4	19.4	107	3.2
MW-13	4/21/05	815	12.05		6.0	18.3	336	3.6
MW-15	4/21/05	830	18.14		5.4	17.9	813	1.4
MW-16	4/21/05	845	19.60		5.1	18.6	722	1.8
MW-17	4/21/05	900	24.20		4.9	19.2	694	1.4
MW-18	4/20/05	915	26.28	26.26	5.2	19.6	988	1.0
MW-19	4/20/05	930	25.00		5.1	19.6	617	1.2

Measured from top of riser unless otherwise noted.
Collected depth to water/product measurements prior to initiating well development activities.

GROUNDWATER ELEVATION DATA

PROJECT NAME: Handy Pantry #65 & Clouds Chevron **CONSULTECH PROJECT NO.: 04-12-008-009**
DATE: 4/19-21/05 RECORDED BY: Rob Robinson **MEASURING DEVICE: Oil/Water Interface Probe**

WELL NO.	DATE	TIME	DEPTH TO GROUND-WATER	DEPTH to FREE PRODUCT	pH	TEMP	CONDUCTIVITY	DISSOLVED OXYGEN
MW-20	4/20/05	945	25.31		6.3	18.4	139	3.6
MW-22	4/20/05	1000	22.78		6.8	18.3	97	4.1
MW-23	4/20/05	1015	25.32		6.5	19.6	86	2.9
MW-24	4/20/05	1030	24.35		6.4	20.1	72	3.2
MW-25	4/20/05	1045	21.89		6.0	18.4	804	2.4
MW-26	4/21/05	1100	23.36		6.2	19.2	83	2.4
MW-27	4/20/05	1115	17.02		6.4	18.4	94	3.1
MW-28	4/20/05	1130	18.87		7.0	19.1	105	3.6
MW-29	4/20/05	1145	19.06		7.4	18.4	83	3.7
MW-30	4/20/05	1200	22.86		6.3	17.8	41	3.1
MW-31	4/20/05	1215	26.51		6.4	16.1	125	3.0
MW-32	4/21/05	1230	23.66		6.9	18.4	215	2.8
MW-33	4/20/05	1245	25.27		6.4	19.2	106	2.9
MW-34	4/20/05	1300	26.11		7.1	18.3	113	3.1
MW-35	4/20/05	1315	25.14		7.3	19.4	162	3.4
MW-36	4/20/05	1330	24.96		6.1	20.1	168	3.8
MW-37	4/20/05	1345	25.25		6.0	18.1	149	3.9
MW-38	4/20/05	1400	26.78		6.7	20.0	131	2.4

Measured from top of riser unless otherwise noted.
Collected depth to water/product measurements prior to initiating well development activities.

GROUNDWATER ELEVATION DATA

PROJECT NAME: Handy Pantry #65 & Clouds Chevron CONSULTECH PROJECT NO.: 04-12-008-009
DATE: 4/19-21/05 RECORDED BY: Rob Robinson MEASURING DEVICE: Oil/Water Interface Probe

WELL NO.	DATE	TIME	DEPTH TO GROUND-WATER	DEPTH to FREE PRODUCT	PH	TEMP	CONDUCTIVITY	DISSOLVED OXYGEN
MW-39	4/20/05	1415	27.65		6.0	18.3	189	3.1
MW-40	4/20/05	1430	27.31		6.7	17.9	174	3.0
MW-41	4/20/05	1445	26.68		6.3	19.4	93	3.3
MW-42	4/20/05	1500	27.53		6.3	19.3	62	3.0
MW-43	4/21/05	1515	26.28		6.1	19.7	110	2.6
MW-44	4/21/05	1530	25.03		6.7	18.6	234	2.8
MW-45	4/21/05	1545	23.39		6.2	19.4	185	2.4
MW-46	4/21/05	1600	25.71		6.3	18.3	106	3.0
MW-47	4/21/05	1615	23.61		6.9	18.1	115	3.2
MW-48	4/21/05	1630	20.75		7.0	18.5	245	2.5
MW-49	4/21/05	1645	18.39		6.1	19.8	210	3.0
MW-50	4/21/05	1700	15.15		6.4	18.7	116	3.1
MW-51	4/21/05	1500	24.66		6.7	20.1	84	3.1
MW-52	4/21/05	1515	21.88		6.5	18.8	135	3.0
MW-53	4/21/05	1715	11.55		6.5	18.9	72	3.4
MW-54	4/21/05	1730	12.31		6.7	18.1	64	2.9
MW-55	4/21/05	1745	4.88		6.4	18.9	74	2.8
MW-56	4/21/05	1800	8.90		6.3	19.2	81	3.4

Measured from top of riser unless otherwise noted.
Collected depth to water/product measurements prior to initiating well development activities.

GROUNDWATER ELEVATION DATA

PROJECT NAME: Handy Pantry #65 & Clouds Chevron CONSULTECH PROJECT NO.: 04-12-008-009
DATE: 4/19-21/05 RECORDED BY: Rob Robinson MEASURING DEVICE: Oil/Water Interface Probe

WELL NO.	DATE	TIME	DEPTH TO GROUND-WATER	DEPTH to FREE PRODUCT	pH	TEMP	CONDUCTIVITY	DISSOLVED OXYGEN
MW-57	4/21/05	1300	4.41		6.2	18.4	76	2.0
MW-58	4/21/05	1315	6.65		6.1	19.1	84	2.1
MW-59	4/21/05	1330	4.64		6.3	18.3	115	3.6
MW-60	4/21/05	1345	5.29		6.4	17.2	96	3.6
MW-5aR	4/20/05	1600	22.68		5.2	18.3	143	3.4
PW-1R	4/20/05	1615	25.16		5.3	19.2	119	3.2
RW-1R	4/20/05	1630	24.69		6.0	18.1	72	2.0
DW-1	4/20/05	1400	45.38		7.8	18.3	484	3.1
DW-2	4/20/05	1415	44.55		7.9	16.9	42	3.0
DW-3	4/20/05	1430	25.27		7.7	18.1	796	1.4
DW-4	4/21/05	1445	12.68		6.3	18.6	142	2.9
DW-5	4/21/05	1500	44.77		6.3	18.7	64	3.1
DW-6	4/20/05	1515	46.38		6.4	19.0	52	3.6
DW-7	4/20/05	1530	24.71		6.0	19.3	144	2.9
DW-8	4/21/05	1545	21.21		5.7	19.0	131	4.0
SW-1	4/20/05	1645	NA		5.1	22.4	319	1.9

Measured from top of riser unless otherwise noted.
Collected depth to water/product measurements prior to initiating well development activities.

GROUNDWATER ELEVATION DATA

PROJECT NAME: Handy Pantry #65 & Clouds Chevron **CONSULTECH PROJECT NO.: 04-12-008-009**
DATE: 5/17-18/05 RECORDED BY: Drew Miller MEASURING DEVICE: Oil/Water Interface Probe

WELL NO.	DATE	TIME	DEPTH TO GROUND WATER	DEPTH to FREE PRODUCT	pH	TEMP	CONDUCTIVITY	DISSOLVED OXYGEN
MW-61	5/17/05	1300	21.25		5.3	24.6	142	4.0
MW-62	5/17/05	1315	24.99		4.8	24.4	398	3.9
MW-63	5/17/05	1330	26.41		5.1	23.5	169	4.1
MW-64	5/17/05	1345	26.74		5.6	23.9	143	2.9
MW-65	5/17/05	1400	26.46		5.4	24.8	217	2.0
MW-66	5/17/05	1415	27.50		5.9	24.2	29	3.2
MW-67	5/17/05	1430	27.72		5.3	25.0	68	4.1
MW-68	5/18/05	1400	26.46		6.2	25.4	112	3.9
MW-69	5/18/05	1415	26.85		5.7	27.1	85	2.4
MW-70	5/18/05	1430	27.30		5.9	26.4	69	3.5
DW-9	5/17/05	1445	28.78		6.6	22.2	68	5.0

Measured from top of riser unless otherwise noted.
Collected depth to water/product measurements prior to initiating well development activities.

UTILITY FORMAT AND POTENTIAL RECEPTOR FORMAT

Receptor Analysis

Describe all potential receptors and preferential pathways within a 1000-foot radius of the site

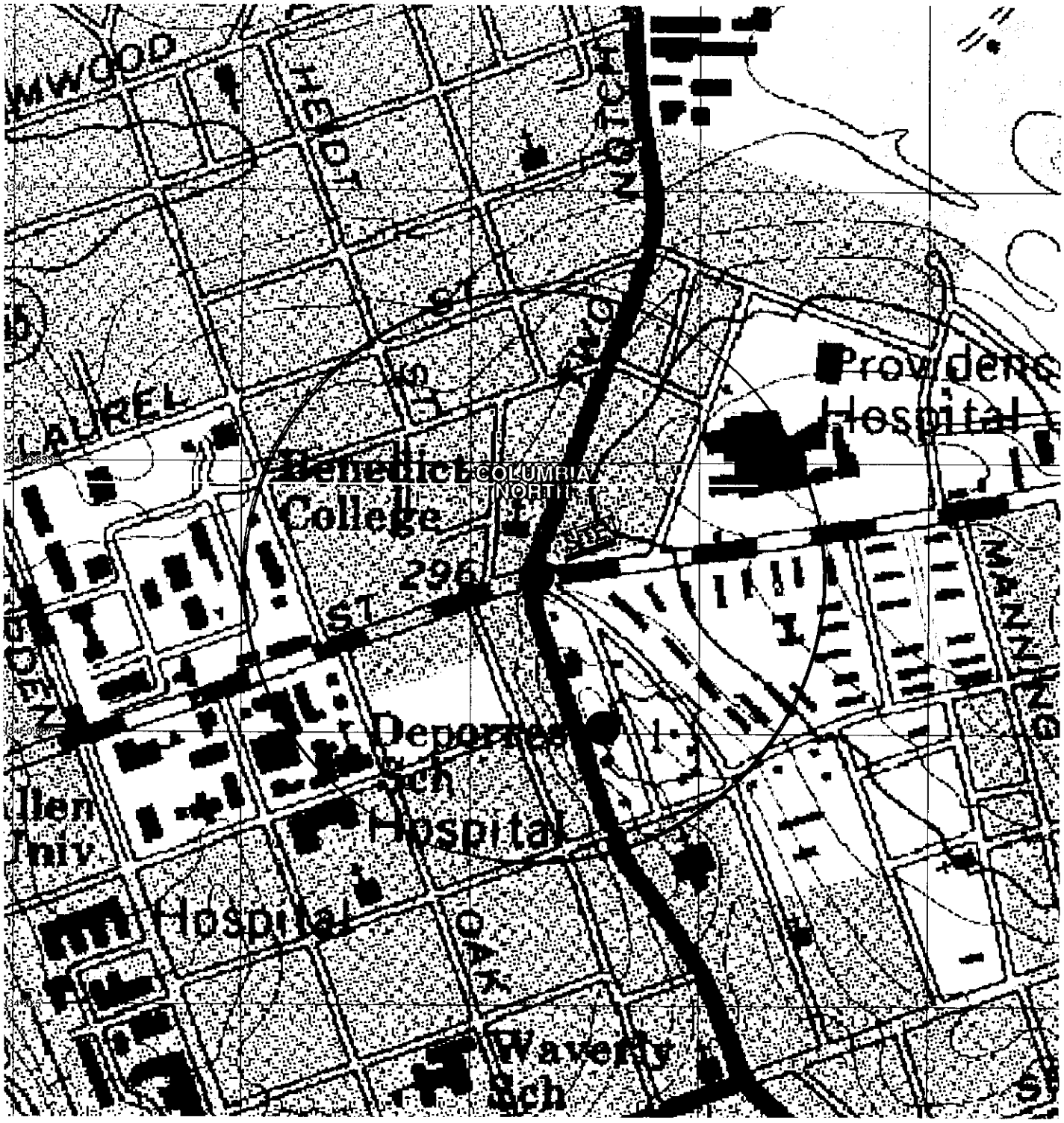
Description of Receptor	Distance/Direction from Site
1) unnamed creek/ditch	600 Feet South

Utilities Survey

List the utilities on site, and adjacent to the site within a 250-foot radius, that could serve as exposure points or as preferential pathways

Utility	On-site or Distance/Direction from site	Depth to Utility
2.) Water	Water lines are located along the south side of Taylor Street/Forest Drive and on the east side of Heidt Street, Millwood Drive, and Oak Street in the easement.	2-3 Feet
2.) Fiber optic/ Telephone	The fiber optic/telephone is located on the south side of Taylor Street/Forest Drive, on the west side of Millwood Drive and Two Notch Road, and on the east side of Oak Street in the easement.	2-3 Feet
2.) Storm Sewer	Storm sewer lines run on the south side of Taylor Street/Forest Drive and across the Food Lion parking lot to the west side of Heidt Street, Ontario Street, and Oak Street in the easement.	3-5 Feet
2.) Sanitary Sewer	Sanitary sewer lines run through the center of Taylor Street/Forest Drive and through the center of Two Notch Road/Millwood Drive.	3-5 Feet
2.) Gas	Gas lines run on the north side of Taylor Street/Forest Drive, on the east side of Heidt Street and Oak Street, on the west side of Millwood Drive, on the east side of Two Notch Road and Waverly Street in the easement.	2-3 Feet

Example format taken from DHEC 3542(07/1999)



REFERENCE: COLUMBIA NORTH, SOUTH CAROLINA QUADRANGLE MAP, 7.5 MINUTE SERIES, U.S. GEOLOGIC SURVEY

SCALE 1" : 6,400"

0 500 1,000

SCALE IN FEET



QUADRANGLE LOCATION

DRAWN: C.M.E.	DATE: 05/23/05
PROJECT: HANDY PANTRY #65, UST#07584	
PROJECT: CLOUDS CHEVRON UST# 07777	
PROJECT No.: C-04-12-008, 04-12-009	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 3
SITE WITH POTENTIAL RECEPTORS AND TOPOGRAPHIC MAP

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Environmental Consulting and Engineering

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Delivering innovative solutions to today's environmental concerns

DHEC

PROMOTE PROTECT PROSPER

Summary of Slug Test
Division of Underground Storage Tank Management

Site Data

UST Permit #: 07584 + 07777 County: RICHLAND

Facility Name: _____

Slug Data

See Appendix 4 Table _____ Figure _____ for a list of all data measurements. [water level logs, etc. (complete as appropriate)].

Water Level Recovery Data was measured by _____
[Hermit Data Logger, Manually with Water Level Indicator, etc. (list method)].

Complete the following table for each well tested.

COMPLETE A SECOND SHEET IF MORE THAN FOUR WELLS ARE TESTED

Slug Test Conducted in Well(s) Number	MW-12	MW-42	DW-6	DW-7
Initial Rise/Drawdown in Well (feet)	10.55	5.71	18.02	22.93
Radius of Well Casing (feet)	0.083	0.083	0.083	0.083
Effective Radius of Well (feet)	0.3	0.3	0.3	0.3
Static Saturated Aquifer Thickness (feet)	19.75	7.47	23.62	30.29
Length of Well Screen (feet)	20	15	5	5
Static Height of Water Column in Well (ft)	5.25	27.53	46.38	24.71

Calculations

See Appendix 4 Table _____ Figure _____ for calculations (complete as appropriate).

The method for aquifer calculations was BOUWER + RICE (i.e. Bouwer-Rice, Cooper, etc.).

Calculated values by well were as follows:

Slug Test Conducted in Well(s) Number	MW-12	MW-42	DW-6	DW-7
Hydraulic Conductivity FT/DAY	0.00431	0.0161	0.0000306	0.00258

Thickness of the aquifer used to calculate hydraulic conductivity was (13.61 SHALLOW) (26.96 DEEP) AVG feet.

The aquifer is _____ confined _____ semi-confined V water table (check as appropriate).
AVG

The estimated seepage velocity is 0.0004 FT/DAY SHALLOW OR 0.145 FT/YR / 0.00004 FT/DAY DEEP OR 0.0135 FT/YR feet per year based on
AVG

a hydraulic conductivity of 0.0102 FT/DAY SHALLOW 0.0013 FT/DAY DEEP, a hydraulic gradient of 0.007 FT/FT SHALLOW 0.0037 FT/FT DEEP, and

porosity of 18% SHALLOW 13% DEEP percent for CLAYEY SAND SHALLOW SANDY CLAY DEEP soil (list type i.e., silty sand ,clay, etc).

SEE REPORT FOR INDIVIDUAL SEEPAGE VELOCITIES

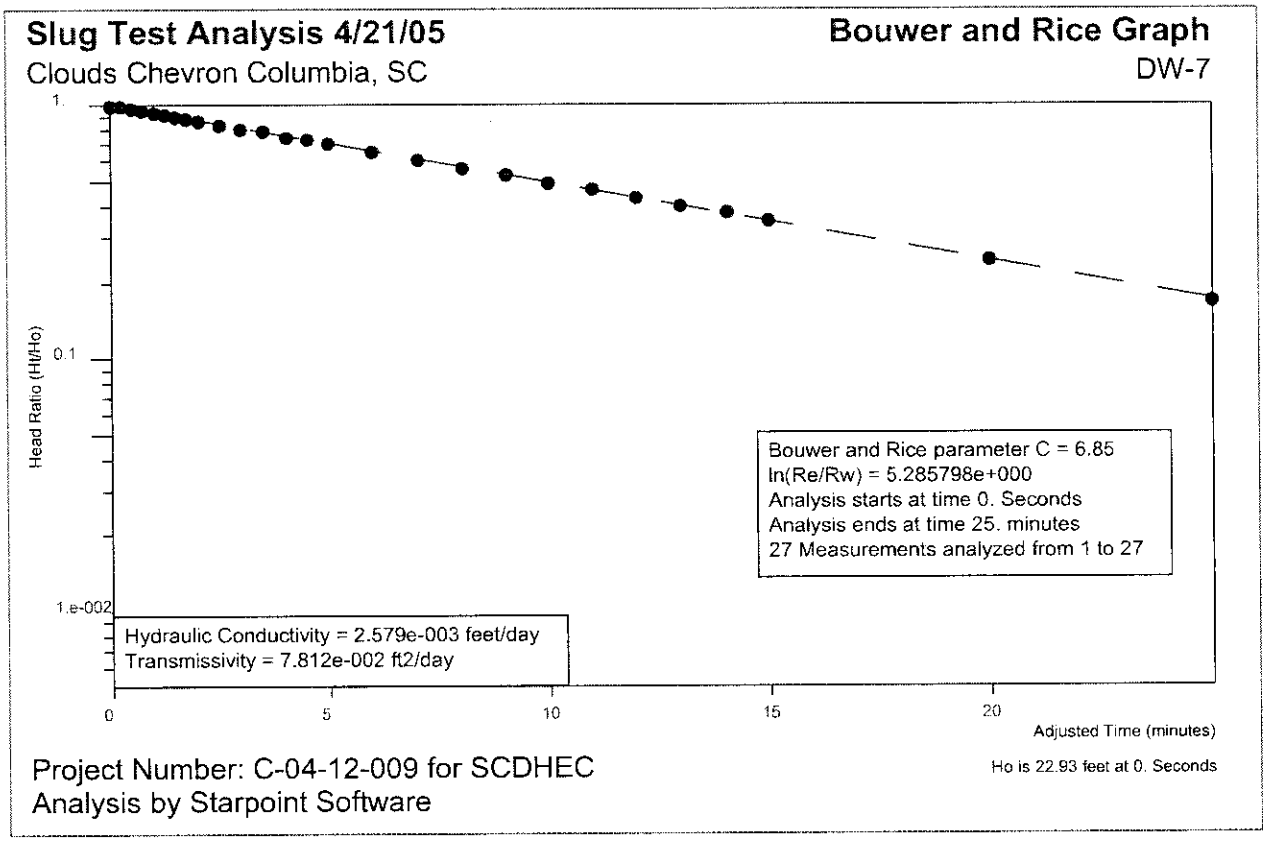
Slug Test Analysis

Site Name:	Clouds Chevron
Location:	Columbia, SC
Test Date:	4/21/05
Client:	SCDHEC
Project Number:	C-04-12-009

Well Label:	DW-7
Aquifer Thickness:	30.29 feet
Screen Length:	5. feet
Casing Radius:	6.917e-003 feet
Effective Radius:	2.5e-002 feet
Static Water Level:	24.71 feet
Water Table to Screen Bottom:	30.29 feet
Anisotropy Ratio:	1.
Time Adjustment:	0. Seconds

Test starts with trial 0
There are 27 time and drawdown measurements
Maximum head is 22.93 feet
Minimum head is 0. feet

Trial	Time (minutes)	Adjusted Time (minutes)	Drawdown (feet)	Head (feet)	Head Ratio
1	0.	0.	47.64	22.93	1.
2	0.25	0.25	47.32	22.61	0.986
3	0.5	0.5	46.96	22.25	0.9703
4	0.75	0.75	46.65	21.94	0.9568
5	1.	1.	46.31	21.6	0.942
6	1.25	1.25	45.87	21.16	0.9228
7	1.5	1.5	45.44	20.73	0.9041
8	1.75	1.75	45.13	20.42	0.8905
9	2.	2.	44.74	20.03	0.8735
10	2.5	2.5	44.03	19.32	0.8426
11	3.	3.	43.27	18.56	0.8094
12	3.5	3.5	42.7	17.99	0.7846
13	4.	4.	41.89	17.18	0.7492
14	4.5	4.5	41.41	16.7	0.7283
15	5.	5.	40.82	16.11	0.7026
16	6.	6.	39.72	15.01	0.6546
17	7.	7.	38.64	13.93	0.6075
18	8.	8.	37.61	12.9	0.5626
19	9.	9.	36.85	12.14	0.5294
20	10.	10.	36.07	11.36	0.4954
21	11.	11.	35.3	10.59	0.4618
22	12.	12.	34.6	9.89	0.4313
23	13.	13.	33.9	9.19	0.4008
24	14.	14.	33.3	8.59	0.3746
25	15.	15.	32.71	8.	0.3489
26	20.	20.	30.36	5.65	0.2464
27	25.	25.	28.57	3.86	0.1683


Slug Test Analysis 4/21/05
Clouds Chevron Columbia, SC
Bouwer and Rice Graph
DW-7
Head Ratio (Ht/Ho)
1.
0.1
1.e-002
Bouwer and Rice parameter C = 6.85
ln(Re/Rw) = 5.285798e+000
Analysis starts at time 0. Seconds
Analysis ends at time 25. minutes
27 Measurements analyzed from 1 to 27
Hydraulic Conductivity = 2.579e-003 feet/day
Transmissivity = 7.812e-002 ft2/day
0
5
10
15
20
Adjusted Time (minutes)
Project Number: C-04-12-009 for SCDHEC
Analysis by Starpoint Software
Ho is 22.93 feet at 0. Seconds

Bouwer and Rice Automatic Parameter Estimation

Slug Test Analysis

Site Name:	Clouds Chevron
Location:	Columbia, SC
Test Date:	4/21/05
Client:	SCDHEC
Project Number:	C-04-12-009

Well Label:	DW-7
Aquifer Thickness:	30.29 feet
Screen Length:	5. feet
Casing Radius:	6.917e-003 feet
Effective Radius:	2.5e-002 feet
Bouwer and Rice Parameter C	6.85
Radius of Influence of Test	4.938 feet

Trial	Adjusted Time (minutes)	Head (feet)	Head Ratio	Hyd. Con. (feet/day)	Flow to Well (Gallons/Day)
1	0.	22.93	1.	--	
2	0.25	22.61	0.986	2.047e-003	2.058
3	0.5	22.25	0.9703	2.192e-003	2.169
4	0.75	21.94	0.9568	2.143e-003	2.09
5	1.	21.6	0.942	2.176e-003	2.09
6	1.25	21.16	0.9228	2.34e-003	2.202
7	1.5	20.73	0.9041	2.449e-003	2.257
8	1.75	20.42	0.8905	2.412e-003	2.19
9	2.	20.03	0.8735	2.462e-003	2.192
10	2.5	19.32	0.8426	2.495e-003	2.143
11	3.	18.56	0.8094	2.566e-003	2.118
12	3.5	17.99	0.7846	2.524e-003	2.019
13	4.	17.18	0.7492	2.628e-003	2.007
14	4.5	16.7	0.7283	2.565e-003	1.905
15	5.	16.11	0.7026	2.571e-003	1.841
16	6.	15.01	0.6546	2.572e-003	1.716
17	7.	13.93	0.6075	2.593e-003	1.606
18	8.	12.9	0.5626	2.618e-003	1.502
19	9.	12.14	0.5294	2.573e-003	1.389
20	10.	11.36	0.4954	2.558e-003	1.292
21	11.	10.59	0.4618	2.557e-003	1.204
22	12.	9.89	0.4313	2.552e-003	1.122
23	13.	9.19	0.4008	2.561e-003	1.046
24	14.	8.59	0.3746	2.554e-003	0.9753
25	15.	8.	0.3489	2.556e-003	0.9092
26	20.	5.65	0.2464	2.55e-003	0.6407
27	25.	3.86	0.1683	2.595e-003	0.4454

Arithmetic Means:

Hydraulic Conductivity	2.477e-003 feet/day
Transmissivity	7.504e-002 ft2/day

Geometric Means:

Hydraulic Conductivity	2.472e-003 feet/day
Transmissivity	7.487e-002 ft2/day

Sensitivity Analysis:

Hydraulic Conductivity	2.562e-003 feet/day

Transmissivity	7.759e-002 ft2/day

PUMP TEST FIELD DATA REPORT

PROJECT NO.: C-009		PUMP GPM:	
DATE: 4/21/05		PUMPING WELL Y N	#
TEST PERFORMED BY: RR		OBSERVATION WELL (Y) N	# DW-7

TIME (MIN)	WATER LEVEL (FEET)
0	47.14
0.25	47.32
0.50	46.96
0.75	46.65
1.00	46.31
1.25	45.87
1.50	45.44
1.75	45.13
2.00	44.74
2.50	44.03
3.00	43.27
3.50	42.70
4.00	41.89
4.50	41.41
5.00	40.82
6.00	39.72
7.00	38.64
8.00	37.61
9.00	36.85
10.00	36.07
11.00	35.30
12.00	34.60
13.00	33.90
14.00	33.230
15.00	32.71
20.00	30.36
25.00	28.57
30.00	
35.00	
40.00	
45.00	
50.00	
55.00	
60.00	
75.00	
90.00	
105.00	
120.00	
150.00	
180.00	
210.00	
240.00	
270.00	
300.00	
330.00	
360.00	
390.00	
420.00	
450.00	
480.00	
510.00	
540.00	
570.00	
600.00	
630.00	
660.00	
690.00	
720.00	
750.00	
780.00	
840.00	
900.00	
960.00	
1020.00	
1080.00	
1140.00	
1200.00	
1260.00	
1320.00	
1380.00	
1440.00	

NOTES:

80% 29.91

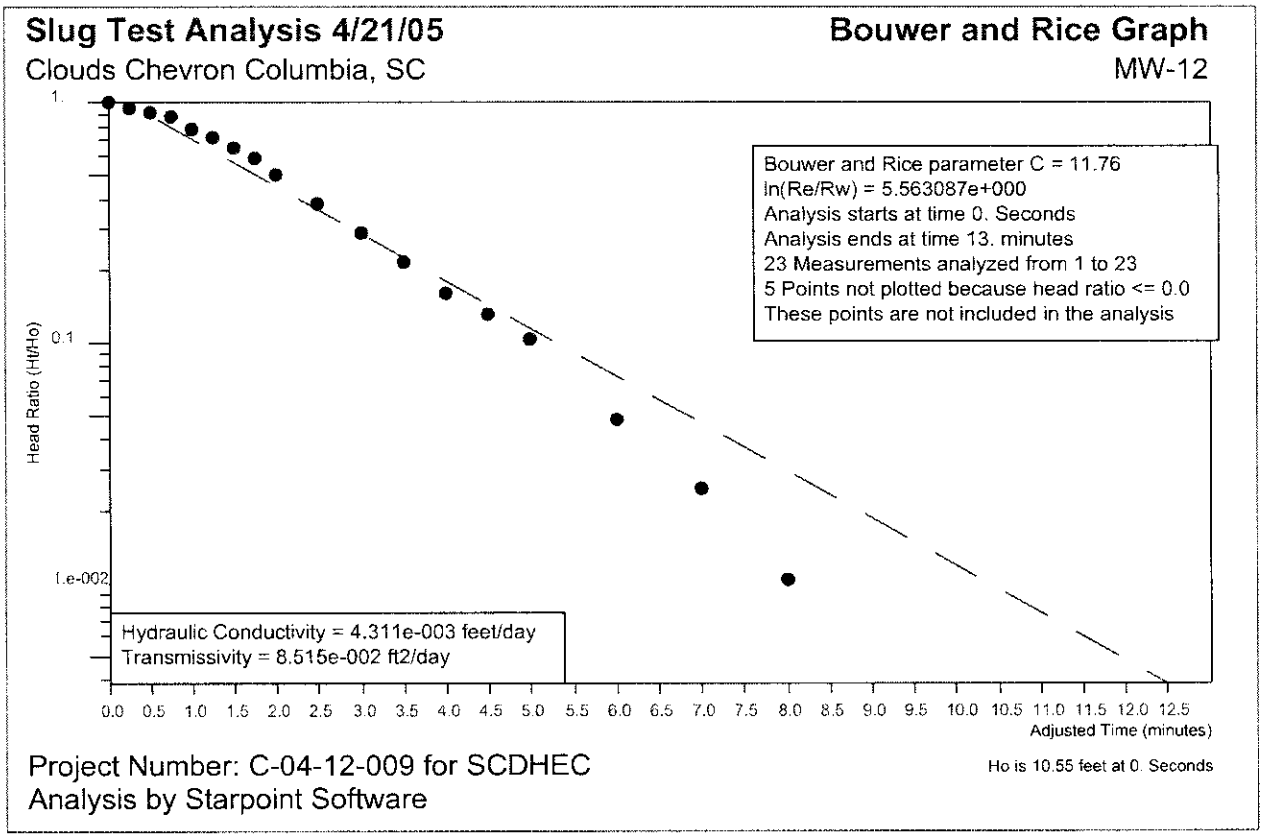
Slug Test Analysis

Site Name:	Clouds Chevron
Location:	Columbia, SC
Test Date:	4/21/05
Client:	SCDHEC
Project Number:	C-04-12-009

Well Label:	MW-12
Aquifer Thickness:	19.75 feet
Screen Length:	20. feet
Casing Radius:	6.917e-003 feet
Effective Radius:	2.5e-002 feet
Static Water Level:	5.25 feet
Water Table to Screen Bottom:	19.75 feet
Anisotropy Ratio:	1.
Time Adjustment:	0. Seconds

Test starts with trial 0
There are 23 time and drawdown measurements
Maximum head is 10.55 feet
Minimum head is -5.25 feet

Trial	Time (minutes)	Adjusted Time (minutes)	Drawdown (feet)	Head (feet)	Head Ratio
1	0.	0.	15.8	10.55	1.
2	0.25	0.25	15.21	9.96	0.9441
3	0.5	0.5	14.83	9.58	0.9081
4	0.75	0.75	14.45	9.2	0.872
5	1.	1.	13.4	8.15	0.7725
6	1.25	1.25	12.85	7.6	0.7204
7	1.5	1.5	12.11	6.86	0.6502
8	1.75	1.75	11.44	6.19	0.5867
9	2.	2.	10.59	5.34	0.5062
10	2.5	2.5	9.24	3.99	0.3782
11	3.	3.	8.28	3.03	0.2872
12	3.5	3.5	7.56	2.31	0.219
13	4.	4.	6.97	1.72	0.163
14	4.5	4.5	6.66	1.41	0.1336
15	5.	5.	6.36	1.11	0.1052
16	6.	6.	5.76	0.51	4.834e-002
17	7.	7.	5.51	0.26	2.464e-002
18	8.	8.	5.36	0.11	1.043e-002
19	9.	9.	5.29	4.e-002	3.791e-003
20	10.	10.	5.24	-1.e-002	-9.479e-004
21	11.	11.	5.19	-6.e-002	-5.687e-003
22	12.	12.	5.17	-8.e-002	-7.583e-003
23	13.	13.	0.	-5.25	-0.4976


Slug Test Analysis 4/21/05
Clouds Chevron Columbia, SC
Bouwer and Rice Graph
MW-12
Bouwer and Rice parameter C = 11.76
ln(Re/Rw) = 5.563087e+000
Analysis starts at time 0. Seconds
Analysis ends at time 13. minutes
23 Measurements analyzed from 1 to 23
5 Points not plotted because head ratio <= 0.0
These points are not included in the analysis
Hydraulic Conductivity = 4.311e-003 feet/day
Transmissivity = 8.515e-002 ft2/day
Head Ratio (Ht/Ho)
1.
0.1
1.e-002
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5
Adjusted Time (minutes)
Project Number: C-04-12-009 for SCDHEC
Analysis by Starpoint Software
Ho is 10.55 feet at 0. Seconds

Bouwer and Rice Automatic Parameter Estimation

Slug Test Analysis

Site Name:	Clouds Chevron
Location:	Columbia, SC
Test Date:	4/21/05
Client:	SCDHEC
Project Number:	C-04-12-009

Well Label:	MW-12
Aquifer Thickness:	19.75 feet
Screen Length:	20. feet
Casing Radius:	6.917e-003 feet
Effective Radius:	2.5e-002 feet
Bouwer and Rice Parameter C	11.76
Radius of Influence of Test	6.516 feet

Trial	Adjusted Time (minutes)	Head (feet)	Head Ratio	Hyd. Con. (feet/day)	Flow to Well (Gallons/Day)
1	0.	10.55	1.	--	
2	0.25	9.96	0.9441	2.233e-003	3.759
3	0.5	9.58	0.9081	1.872e-003	3.03
4	0.75	9.2	0.872	1.771e-003	2.754
5	1.	8.15	0.7725	2.504e-003	3.449
6	1.25	7.6	0.7204	2.546e-003	3.269
7	1.5	6.86	0.6502	2.784e-003	3.227
8	1.75	6.19	0.5867	2.956e-003	3.092
9	2.	5.34	0.5062	3.303e-003	2.981
10	2.5	3.99	0.3782	3.774e-003	2.544
11	3.	3.03	0.2872	4.035e-003	2.066
12	3.5	2.31	0.219	4.21e-003	1.643
13	4.	1.72	0.163	4.4e-003	1.279
14	4.5	1.41	0.1336	4.339e-003	1.034
15	5.	1.11	0.1052	4.369e-003	0.8196
16	6.	0.51	4.834e-002	4.899e-003	0.4222
17	7.	0.26	2.464e-002	5.133e-003	0.2255
18	8.	0.11	1.043e-002	5.534e-003	0.1029
19	9.	4.e-002	3.791e-003	6.01e-003	4.062e-002
20	10.	-1.e-002	-9.479e-004	--	
21	11.	-6.e-002	-5.687e-003	--	
22	12.	-8.e-002	-7.583e-003	--	
23	13.	-5.25	-0.4976	--	

Arithmetic Means:

Hydraulic Conductivity	3.704e-003 feet/day
Transmissivity	7.315e-002 ft2/day

Geometric Means:

Hydraulic Conductivity	3.485e-003 feet/day
Transmissivity	6.882e-002 ft2/day

Sensitivity Analysis:

Hydraulic Conductivity	3.619e-003 feet/day
Transmissivity	7.147e-002 ft2/day

PUMP TEST FIELD DATA REPORT

PROJECT NO.: C-009		PUMP GPM:	
DATE: 4/21/05		PUMPING WELL Y N	#
TEST PERFORMED BY: RR		OBSERVATION WELL (Y) N	# MW-12

TIME (MIN)	WATER LEVEL (FEET)
0	15.90
0.25	15.21
0.50	14.83
0.75	14.45
1.00	13.40
1.25	12.65
1.50	12.11
1.75	11.44
2.00	10.59
2.50	9.24
3.00	8.28
3.50	7.56
4.00	6.97
4.50	6.66
5.00	6.36
6.00	5.76
7.00	5.51
8.00	5.36
9.00	5.29
10.00	5.24
11.00	5.19
12.00	5.17
13.00	5.16
14.00	
15.00	
20.00	
25.00	
30.00	
35.00	
40.00	
45.00	
50.00	
55.00	
60.00	
75.00	
90.00	
105.00	
120.00	
150.00	
180.00	
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1440.00	

NOTES:

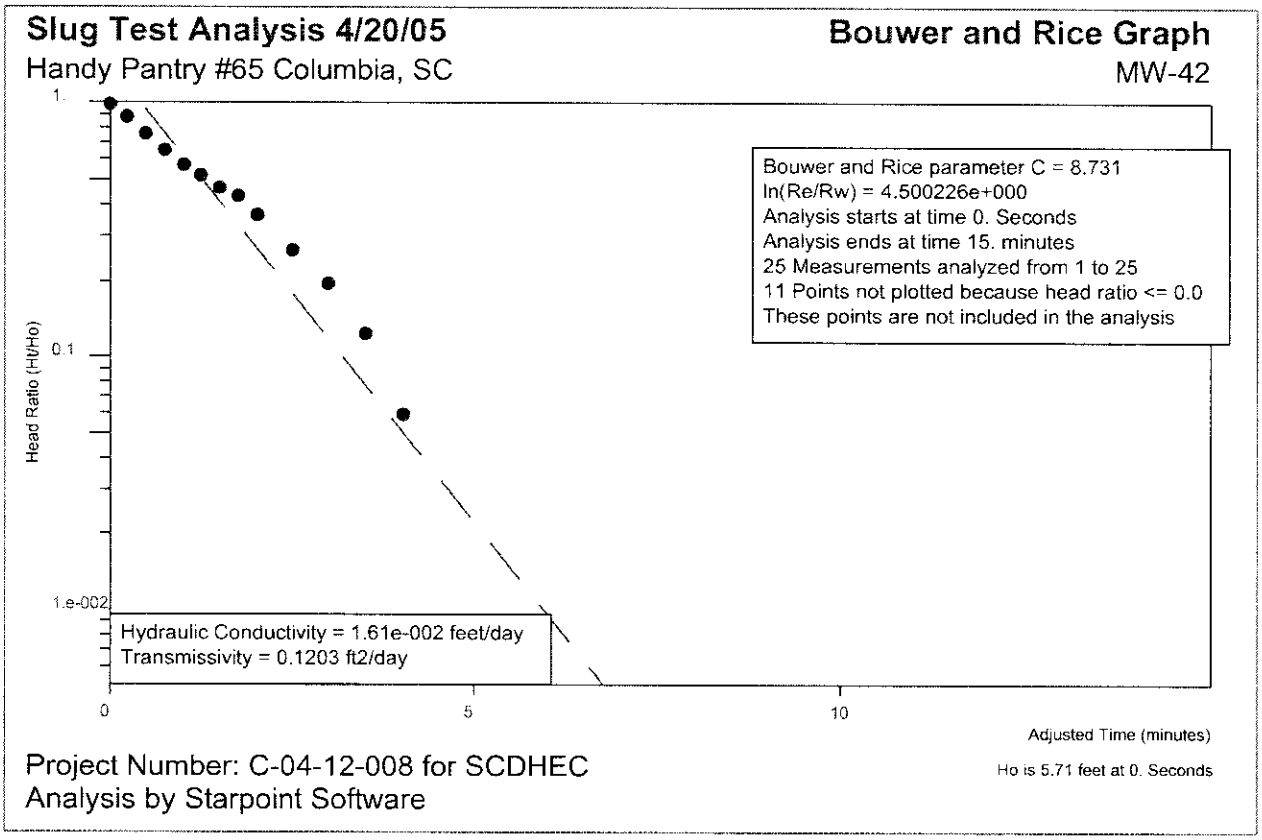
Slug Test Analysis

Site Name:	Handy Pantry #65
Location:	Columbia, SC
Test Date:	4/20/05
Client:	SCDHEC
Project Number:	C-04-12-008

Well Label:	MW-42
Aquifer Thickness:	7.47 feet
Screen Length:	15. feet
Casing Radius:	6.917e-003 feet
Effective Radius:	2.5e-002 feet
Static Water Level:	27.53 feet
Water Table to Screen Bottom:	7.47 feet
Anisotropy Ratio:	1.
Time Adjustment:	0. Seconds

Test starts with trial 0
There are 25 time and drawdown measurements
Maximum head is 5.71 feet
Minimum head is -0.19 feet

Trial	Time (minutes)	Adjusted Time (minutes)	Drawdown (feet)	Head (feet)	Head Ratio
1	0.	0.	33.24	5.71	1.
2	0.25	0.25	32.54	5.01	0.8774
3	0.5	0.5	31.89	4.36	0.7636
4	0.75	0.75	31.29	3.76	0.6585
5	1.	1.	30.79	3.26	0.5709
6	1.25	1.25	30.49	2.96	0.5184
7	1.5	1.5	30.19	2.66	0.4658
8	1.75	1.75	29.98	2.45	0.4291
9	2.	2.	29.61	2.08	0.3643
10	2.5	2.5	29.04	1.51	0.2644
11	3.	3.	28.64	1.11	0.1944
12	3.5	3.5	28.24	0.71	0.1243
13	4.	4.	27.87	0.34	5.954e-002
14	4.5	4.5	27.58	5.e-002	8.757e-003
15	5.	5.	27.41	-0.12	-2.102e-002
16	6.	6.	27.36	-0.17	-2.977e-002
17	7.	7.	27.34	-0.19	-3.327e-002
18	8.	8.	27.34	-0.19	-3.327e-002
19	9.	9.	27.34	-0.19	-3.327e-002
20	10.	10.	27.34	-0.19	-3.327e-002
21	11.	11.	27.34	-0.19	-3.327e-002
22	12.	12.	27.34	-0.19	-3.327e-002
23	13.	13.	27.34	-0.19	-3.327e-002
24	14.	14.	27.34	-0.19	-3.327e-002
25	15.	15.	27.34	-0.19	-3.327e-002


Slug Test Analysis 4/20/05
Handy Pantry #65 Columbia, SC
Bouwer and Rice Graph
MW-42
Bouwer and Rice parameter C = 8.731
ln(Re/Rw) = 4.500226e+000
Analysis starts at time 0. Seconds
Analysis ends at time 15. minutes
25 Measurements analyzed from 1 to 25
11 Points not plotted because head ratio <= 0.0
These points are not included in the analysis
Head Ratio (Ht/Ho)
1.
0.1
1.e-002
Hydraulic Conductivity = 1.61e-002 feet/day
Transmissivity = 0.1203 ft2/day
0
5
10
Adjusted Time (minutes)
Ho is 5.71 feet at 0. Seconds
Project Number: C-04-12-008 for SCDHEC
Analysis by Starpoint Software

Bouwer and Rice Automatic Parameter Estimation

Slug Test Analysis

Site Name:	Handy Pantry #65
Location:	Columbia, SC
Test Date:	4/20/05
Client:	SCDHEC
Project Number:	C-04-12-008

Well Label:	MW-42
Aquifer Thickness:	7.47 feet
Screen Length:	15. feet
Casing Radius:	6.917e-003 feet
Effective Radius:	2.5e-002 feet
Bouwer and Rice Parameter C	8.731
Radius of Influence of Test	2.251 feet

Trial	Adjusted Time (minutes)	Head (feet)	Head Ratio	Hyd. Con. (feet/day)	Flow to Well (Gallons/Day)
1	0.	5.71	1.	--	
2	0.25	5.01	0.8774	1.086e-002	8.52
3	0.5	4.36	0.7636	1.12e-002	7.647
4	0.75	3.76	0.6585	1.156e-002	6.809
5	1.	3.26	0.5709	1.163e-002	5.94
6	1.25	2.96	0.5184	1.091e-002	5.058
7	1.5	2.66	0.4658	1.057e-002	4.404
8	1.75	2.45	0.4291	1.003e-002	3.851
9	2.	2.08	0.3643	1.048e-002	3.414
10	2.5	1.51	0.2644	1.104e-002	2.612
11	3.	1.11	0.1944	1.133e-002	1.97
12	3.5	0.71	0.1243	1.236e-002	1.375
13	4.	0.34	5.954e-002	1.463e-002	0.7795
14	4.5	5.e-002	8.757e-003	2.185e-002	0.1711
15	5.	-0.12	-2.102e-002	--	
16	6.	-0.17	-2.977e-002	--	
17	7.	-0.19	-3.327e-002	--	
18	8.	-0.19	-3.327e-002	--	
19	9.	-0.19	-3.327e-002	--	
20	10.	-0.19	-3.327e-002	--	
21	11.	-0.19	-3.327e-002	--	
22	12.	-0.19	-3.327e-002	--	
23	13.	-0.19	-3.327e-002	--	
24	14.	-0.19	-3.327e-002	--	
25	15.	-0.19	-3.327e-002	--	

Arithmetic Means:

Hydraulic Conductivity	1.219e-002 feet/day
Transmissivity	9.104e-002 ft2/day

Geometric Means:

Hydraulic Conductivity	1.192e-002 feet/day
Transmissivity	8.903e-002 ft2/day

Sensitivity Analysis:

Hydraulic Conductivity	1.159e-002 feet/day
Transmissivity	8.655e-002 ft2/day

PUMP TEST FIELD DATA REPORT

PROJECT NO.: C-009	PUMP GPM:	
DATE: 4/20/05	PUMPING WELL Y N	#
TEST PERFORMED BY: RR/DM	OBSERVATION WELL (Y) N	# MW-42

TIME (MIN)	WATER LEVEL (FEET)
0	~~33.24~~
0.25	32.54
0.50	31.89
0.75	31.29
1.00	30.79
1.25	30.49
1.50	30.19
1.75	29.98
2.00	29.61
2.50	~~29.50~~ 29.04
3.00	28.64
3.50	28.24
4.00	27.87
4.50	27.58
5.00	27.41
6.00	27.36
7.00	27.34
8.00	27.34
9.00	27.34
10.00	27.34
11.00	27.34
12.00	27.34
13.00	27.34
14.00	27.34
15.00	27.34
20.00	
25.00	
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NOTES:

Slug Test Analysis

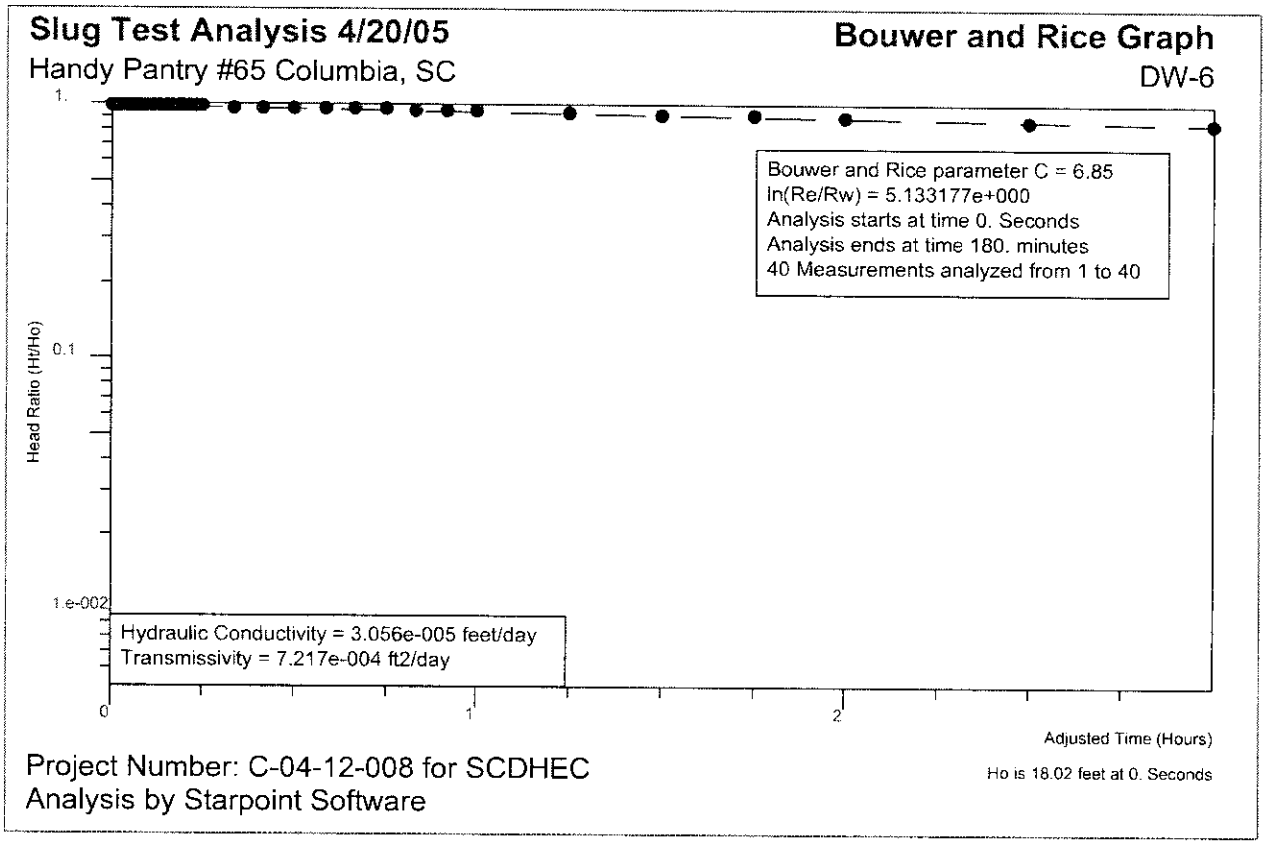
Site Name:	Handy Pantry #65
Location:	Columbia, SC
Test Date:	4/20/05
Client:	SCDHEC
Project Number:	C-04-12-008

Well Label:	DW-6
Aquifer Thickness:	23.62 feet
Screen Length:	5. feet
Casing Radius:	6.917e-003 feet
Effective Radius:	2.5e-002 feet
Static Water Level:	46.38 feet
Water Table to Screen Bottom:	23.62 feet
Anisotropy Ratio:	1.
Time Adjustment:	0. Seconds

Test starts with trial 0
There are 40 time and drawdown measurements
Maximum head is 18.02 feet
Minimum head is 0. feet

Trial	Time (minutes)	Adjusted Time (minutes)	Drawdown (feet)	Head (feet)	Head Ratio
1	0.	0.	64.4	18.02	1.
2	0.25	0.25	64.35	17.97	0.9972
3	0.5	0.5	64.33	17.95	0.9961
4	0.75	0.75	64.32	17.94	0.9956
5	1.	1.	64.32	17.94	0.9956
6	1.25	1.25	64.31	17.93	0.995
7	1.5	1.5	64.3	17.92	0.9945
8	1.75	1.75	64.3	17.92	0.9945
9	2.	2.	64.29	17.91	0.9939
10	2.5	2.5	64.28	17.9	0.9933
11	3.	3.	64.27	17.89	0.9928
12	3.5	3.5	64.26	17.88	0.9922
13	4.	4.	64.26	17.88	0.9922
14	4.5	4.5	64.25	17.87	0.9917
15	5.	5.	64.25	17.87	0.9917
16	6.	6.	64.23	17.85	0.9906
17	7.	7.	64.21	17.83	0.9895
18	8.	8.	64.21	17.83	0.9895
19	9.	9.	64.19	17.81	0.9883
20	10.	10.	64.18	17.8	0.9878
21	11.	11.	64.17	17.79	0.9872
22	12.	12.	64.17	17.79	0.9872
23	13.	13.	64.16	17.78	0.9867
24	14.	14.	64.15	17.77	0.9861
25	15.	15.	64.14	17.76	0.9856
26	20.	20.	64.06	17.68	0.9811
27	25.	25.	63.99	17.61	0.9772
28	30.	30.	63.92	17.54	0.9734
29	35.	35.	63.85	17.47	0.9695
30	40.	40.	63.79	17.41	0.9661
31	45.	45.	63.74	17.36	0.9634
32	50.	50.	63.69	17.31	0.9606
33	55.	55.	63.62	17.24	0.9567
34	60.	60.	63.55	17.17	0.9528

35	75.	75.	63.31	16.93	0.9395
36	90.	90.	63.07	16.69	0.9262
37	105.	105.	62.83	16.45	0.9129
38	120.	120.	62.59	16.21	0.8996
39	150.	150.	62.11	15.73	0.8729
40	180.	180.	61.63	15.25	0.8463


Slug Test Analysis 4/20/05
Handy Pantry #65 Columbia, SC
Bouwer and Rice Graph
DW-6
Bouwer and Rice parameter C = 6.85
ln(Re/Rw) = 5.133177e+000
Analysis starts at time 0. Seconds
Analysis ends at time 180. minutes
40 Measurements analyzed from 1 to 40
Head Ratio (Ht/Ho)
1.
0.1
1.e-002
Hydraulic Conductivity = 3.056e-005 feet/day
Transmissivity = 7.217e-004 ft2/day
0
1
2
Adjusted Time (Hours)
Project Number: C-04-12-008 for SCDHEC
Analysis by Starpoint Software
Ho is 18.02 feet at 0. Seconds

Bouwer and Rice Automatic Parameter Estimation

Slug Test Analysis

Site Name:	Handy Pantry #65
Location:	Columbia, SC
Test Date:	4/20/05
Client:	SCDHEC
Project Number:	C-04-12-008

Well Label:	DW-6
Aquifer Thickness:	23.62 feet
Screen Length:	5. feet
Casing Radius:	6.917e-003 feet
Effective Radius:	2.5e-002 feet
Bouwer and Rice Parameter C	6.85
Radius of Influence of Test	4.239 feet

Trial	Adjusted Time (minutes)	Head (feet)	Head Ratio	Hyd. Con. (feet/day)	Flow to Well (Gallons/Day)
1	0.	18.02	1.	--	
2	0.25	17.97	0.9972	3.93e-004	0.3233
3	0.5	17.95	0.9961	2.753e-004	0.2262
4	0.75	17.94	0.9956	2.098e-004	0.1723
5	1.	17.94	0.9956	1.573e-004	0.1292
6	1.25	17.93	0.995	1.416e-004	0.1163
7	1.5	17.92	0.9945	1.312e-004	0.1076
8	1.75	17.92	0.9945	1.124e-004	9.225e-002
9	2.	17.91	0.9939	1.083e-004	8.877e-002
10	2.5	17.9	0.9933	9.451e-005	7.745e-002
11	3.	17.89	0.9928	8.535e-005	6.99e-002
12	3.5	17.88	0.9922	7.88e-005	6.451e-002
13	4.	17.88	0.9922	6.895e-005	5.644e-002
14	4.5	17.87	0.9917	6.569e-005	5.374e-002
15	5.	17.87	0.9917	5.912e-005	4.837e-002
16	6.	17.85	0.9906	5.587e-005	4.565e-002
17	7.	17.83	0.9895	5.355e-005	4.371e-002
18	8.	17.83	0.9895	4.685e-005	3.825e-002
19	9.	17.81	0.9883	4.606e-005	3.755e-002
20	10.	17.8	0.9878	4.344e-005	3.54e-002
21	11.	17.79	0.9872	4.13e-005	3.363e-002
22	12.	17.79	0.9872	3.785e-005	3.083e-002
23	13.	17.78	0.9867	3.647e-005	2.969e-002
24	14.	17.77	0.9861	3.529e-005	2.871e-002
25	15.	17.76	0.9856	3.426e-005	2.786e-002
26	20.	17.68	0.9811	3.368e-005	2.726e-002
27	25.	17.61	0.9772	3.256e-005	2.625e-002
28	30.	17.54	0.9734	3.182e-005	2.556e-002
29	35.	17.47	0.9695	3.132e-005	2.505e-002
30	40.	17.41	0.9661	3.044e-005	2.427e-002
31	45.	17.36	0.9634	2.932e-005	2.33e-002
32	50.	17.31	0.9606	2.843e-005	2.253e-002
33	55.	17.24	0.9567	2.845e-005	2.246e-002
34	60.	17.17	0.9528	2.848e-005	2.239e-002
35	75.	16.93	0.9395	2.942e-005	2.28e-002
36	90.	16.69	0.9262	3.013e-005	2.302e-002
37	105.	16.45	0.9129	3.07e-005	2.312e-002
38	120.	16.21	0.8996	3.119e-005	2.315e-002

39	150.	15.73	0.8729	3.204e-005	2.307e-002
40	180.	15.25	0.8463	3.279e-005	2.289e-002

Arithmetic Means:
Hydraulic Conductivity 7.367e-005 feet/day
Transmissivity 1.74e-003 ft2/day

Geometric Means:
Hydraulic Conductivity 5.452e-005 feet/day
Transmissivity 1.288e-003 ft2/day

Sensitivity Analysis:
Hydraulic Conductivity 3.143e-005 feet/day
Transmissivity 7.423e-004 ft2/day

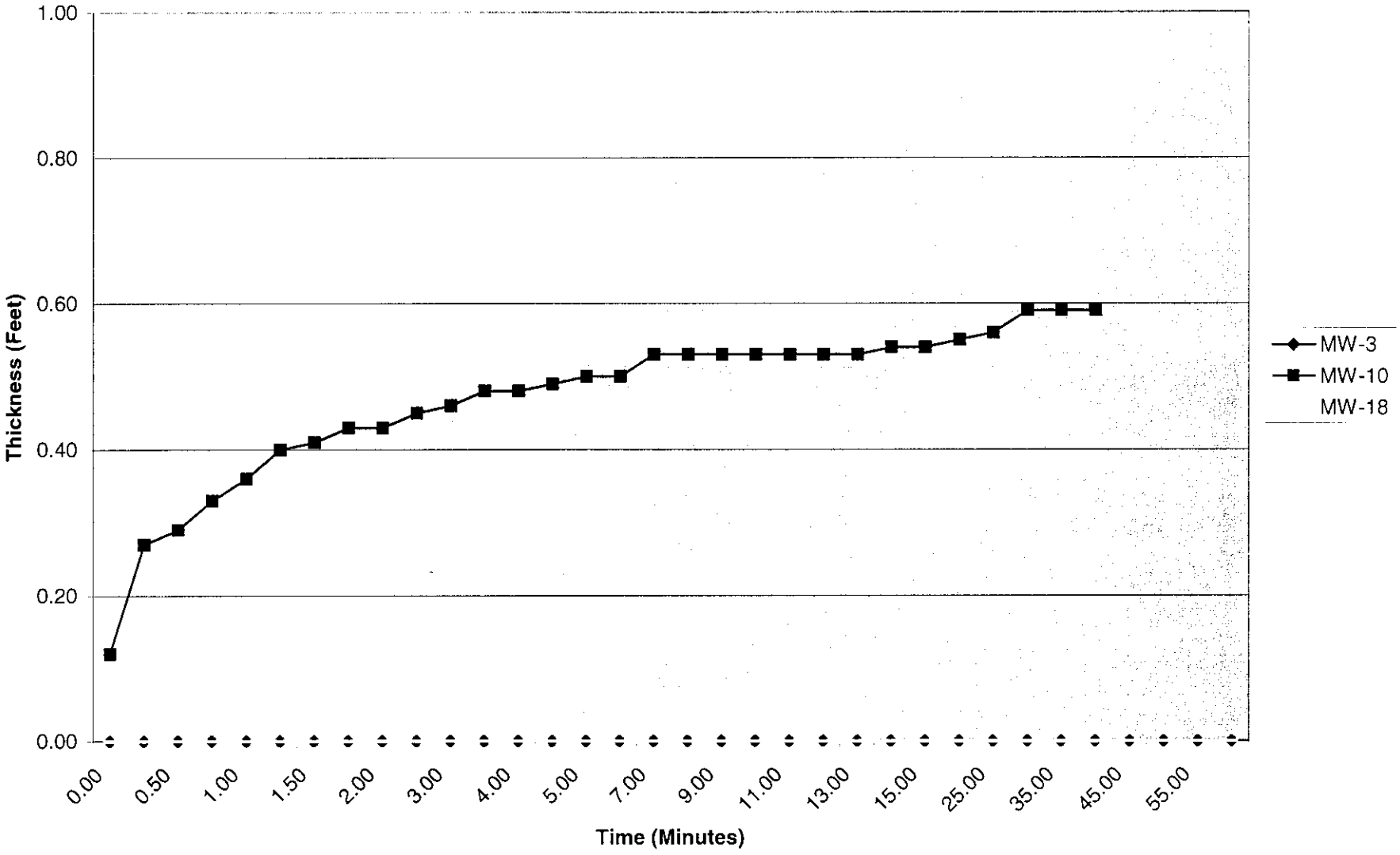
PUMP TEST FIELD DATA REPORT

PROJECT NO. C-009	PUMP GPM:
DATE: 4/20/05	PUMPING WELL Y N #
TEST PERFORMED BY: RR	OBSERVATION WELL (Y) N ~~#~~ DW-6

TIME (MIN)	WATER LEVEL (FEET)
0	64.40
0.25	64.35
0.50	64.33
0.75	64.32
1.00	64.32
1.25	64.31
1.50	64.30
1.75	64.30
2.00	64.29
2.50	64.28
3.00	64.27
3.50	64.26
4.00	64.26
4.50	64.25
5.00	64.25
6.00	64.23
7.00	64.21
8.00	64.21
9.00	64.19
10.00	64.18
11.00	64.17
12.00	64.17
13.00	64.16
14.00	64.15
15.00	64.14
20.00	64.06
25.00	63.99
30.00	63.92
35.00	63.85
40.00	63.79
45.00	63.74
50.00	63.69
55.00	63.62
60.00	63.55
75.00	63.31
90.00	63.07
105.00	62.83
120.00	62.59
150.00	62.11
180.00	61.63
210.00	
240.00	
270.00	
300.00	
330.00	
360.00	
390.00	
420.00	
450.00	
480.00	
510.00	
540.00	
570.00	
600.00	
630.00	
660.00	
690.00	
720.00	
750.00	
780.00	
840.00	
900.00	
960.00	
1020.00	
1080.00	
1140.00	
1200.00	
1260.00	
1320.00	
1380.00	
1440.00	

NOTES:

Product Recovery Test C-04-12-009



Product Recovery Test MW-3

Time	Water level	Product Level	Product Thickness
0.00	25.50	0.00	25.50
0.25	25.38	0.00	25.38
0.50	25.29	0.00	25.29
0.75	25.21	0.00	25.21
1.00	25.10	0.00	25.10
1.25	25.02	0.00	25.02
1.50	24.94	0.00	24.94
1.75	24.85	0.00	24.85
2.00	24.78	0.00	24.78
2.50	24.66	0.00	24.66
3.00	24.54	0.00	24.54
3.50	24.42	0.00	24.42
4.00	24.31	0.00	24.31
4.50	24.23	0.00	24.23
5.00	24.15	0.00	24.15
6.00	24.00	0.00	24.00
7.00	23.89	0.00	23.89
8.00	23.83	0.00	23.83
9.00	23.77	0.00	23.77
10.00	23.71	0.00	23.71
11.00	23.67	0.00	23.67
12.00	23.62	0.00	23.62
13.00	23.58	0.00	23.58
14.00	23.54	0.00	23.54
15.00	23.52	0.00	23.52
20.00	23.46	0.00	23.46
25.00	23.44	0.00	23.44
30.00	23.42	0.00	23.42
35.00	23.41	0.00	23.41
40.00	23.41	0.00	23.41
45.00	23.40	0.00	23.40
50.00	23.40	0.00	23.40
55.00	23.40	0.00	23.40
60.00	23.40	0.00	23.40

Product Recovery Test MW-10

Time	Water level	Product Level	Product Thickness
0.00	18.03	17.91	0.12
0.25	18.13	17.86	0.27
0.50	18.15	17.86	0.29
0.75	18.18	17.85	0.33
1.00	18.20	17.84	0.36
1.25	18.23	17.83	0.40
1.50	18.24	17.83	0.41
1.75	18.26	17.83	0.43
2.00	18.26	17.83	0.43
2.50	18.27	17.82	0.45
3.00	18.29	17.83	0.46
3.50	18.30	17.82	0.48
4.00	18.30	17.82	0.48
4.50	18.31	17.82	0.49
5.00	18.32	17.82	0.50
6.00	18.32	17.82	0.50
7.00	18.34	17.81	0.53
8.00	18.34	17.81	0.53
9.00	18.34	17.81	0.53
10.00	18.34	17.81	0.53
11.00	18.34	17.81	0.53
12.00	18.34	17.81	0.53
13.00	18.34	17.81	0.53
14.00	18.35	17.81	0.54
15.00	18.35	17.81	0.54
20.00	18.35	17.80	0.55
25.00	18.35	17.79	0.56
30.00	18.37	17.78	0.59
35.00	18.37	17.78	0.59
40.00	18.38	17.79	0.59

Product Recovery Test MW-18

Time	Water level	Product Level	Product Thickness
0.00	26.36	0.00	26.36
0.25	26.36	0.00	26.36
0.50	26.36	0.00	26.36
0.75	26.35	0.00	26.35
1.00	26.35	0.00	26.35
1.25	26.35	0.00	26.35
1.50	26.35	0.00	26.35
1.75	26.35	0.00	26.35
2.00	26.35	0.00	26.35
2.50	26.34	0.00	26.34
3.00	26.34	0.00	26.34
3.50	26.34	0.00	26.34
4.00	26.34	0.00	26.34
4.50	26.34	0.00	26.34
5.00	26.34	0.00	26.34
6.00	26.34	0.00	26.34
7.00	26.34	0.00	26.34
8.00	26.34	0.00	26.34
9.00	26.34	0.00	26.34
10.00	26.34	0.00	26.34
11.00	26.34	0.00	26.34
12.00	26.34	0.00	26.34
13.00	26.34	0.00	26.34
14.00	26.34	0.00	26.34
15.00	26.33	0.00	26.33
20.00	26.33	0.00	26.33
25.00	26.33	0.00	26.33
30.00	26.32	0.00	26.32
35.00	26.32	0.00	26.32
40.00	26.32	0.00	26.32
45.00	26.31	0.00	26.31
50.00	26.31	0.00	26.31
55.00	26.31	0.00	26.31
60.00	26.30	0.00	26.30

PUMP TEST FIELD DATA REPORT

PROJECT NO.: C-009		PUMP GPM:	
DATE: 4/19/05		PUMPING WELL Y N	#
TEST PERFORMED BY: RR		OBSERVATION WELL (Y) N	# MW-3

TIME (MIN)	WATER LEVEL (FEET)
0	25.50
0.25	25.38
0.50	25.29
0.75	25.21
1.00	25.10
1.25	25.02
1.50	24.94
1.75	24.85
2.00	24.78
2.50	24.66
3.00	24.54
3.50	24.42
4.00	24.31
4.50	24.23
5.00	24.15
6.00	24.06
7.00	23.99

Product H_2O / Product

8.00	23.93
9.00	~~23.71~~ 23.77
10.00	23.71
11.00	23.67
12.00	23.62
13.00	23.58
14.00	23.54
15.00	23.52
20.00	23.46
25.00	23.44
30.00	23.42
35.00	23.41
40.00	23.41
45.00	23.40
50.00	~~23.40~~ 23.40
55.00	23.40
60.00	23.40
75.00	

90.00	
105.00	
120.00	
150.00	
180.00	
210.00	
240.00	
270.00	
300.00	
330.00	
360.00	
390.00	
420.00	
450.00	
480.00	
510.00	
540.00	
570.00	

600.00	
630.00	
660.00	
690.00	
720.00	
750.00	
780.00	
840.00	
900.00	
960.00	
1020.00	
1080.00	
1140.00	
1200.00	
1260.00	
1320.00	
1380.00	
1440.00	

NOTES:

LPH 23.70 WPH 24.13

PUMP TEST FIELD DATA REPORT

PROJECT NO.: C-009		PUMP GPM:	
DATE: 4/19/05		PUMPING WELL Y N	#
TEST PERFORMED BY: RR		OBSERVATION WELL Y N	#MW-10

TIME (MIN)	WATER LEVEL (FEET)
0	18.03/17.91
0.25	18.13/17.86
0.50	18.15/17.86
0.75	18.18/17.85
1.00	18.20/17.84
1.25	18.23/17.83
1.50	18.24/17.83
1.75	18.26/17.83
2.00	18.26/17.83
2.50	18.27/17.82
3.00	18.29/17.83
3.50	18.30/17.82
4.00	18.30/17.82
4.50	18.32/17.82
5.00	18.32/17.82
6.00	18.32/17.82
7.00	18.34/17.81
8.00	18.34/17.81
9.00	18.34/17.81
10.00	18.34/17.81
11.00	18.34/17.81
12.00	18.34/17.81
13.00	18.34/17.81
14.00	18.35/17.81
15.00	18.35/17.81
20.00	18.35/17.80
25.00	18.35/17.79
30.00	18.37/17.78
35.00	18.37/17.78
40.00	18.38/17.79
45.00	
50.00	
55.00	
60.00	
75.00	
90.00	
105.00	
120.00	
150.00	
180.00	
210.00	
240.00	
270.00	
300.00	
330.00	
360.00	
390.00	
420.00	
450.00	
480.00	
510.00	
540.00	
570.00	
600.00	
630.00	
660.00	
690.00	
720.00	
750.00	
780.00	
840.00	
900.00	
960.00	
1020.00	
1080.00	
1140.00	
1200.00	
1260.00	
1320.00	
1380.00	
1440.00	

NOTES:

GPM 17.73 H2O 15.52

PUMP TEST FIELD DATA REPORT

PROJECT NO.: C-008	PUMP GPM:
DATE: 4/19/05	PUMPING WELL Y N #
TEST PERFORMED BY: RR	OBSERVATION WELL (Y) N #MW-18

TIME (MIN)	WATER LEVEL (FEET)
0	26.36
0.25	26.36
0.50	26.36
0.75	26.35
1.00	26.35
1.25	26.35
1.50	26.35
1.75	26.35
2.00	26.35
2.50	26.34
3.00	26.34
3.50	
4.00	
4.50	
5.00	
6.00	
7.00	

Product

8.00	26.34
9.00	
10.00	
11.00	
12.00	
13.00	
14.00	
15.00	26.33
20.00	26.33
25.00	26.33
30.00	26.32
35.00	26.32
40.00	26.32
45.00	26.31
50.00	26.31
55.00	26.31
60.00	26.30
75.00	

90.00	
105.00	
120.00	
150.00	
180.00	
210.00	
240.00	
270.00	
300.00	
330.00	
360.00	
390.00	
420.00	
450.00	
480.00	
510.00	
540.00	
570.00	

600.00	
630.00	
660.00	
690.00	
720.00	
750.00	
780.00	
840.00	
900.00	
960.00	
1020.00	
1080.00	
1140.00	
1200.00	
1260.00	
1320.00	
1380.00	
1440.00	

NOTES:

GW 26.26 H2O 26.28

APPENDIX 5
Laboratory Analytical Results

407375

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To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: ConsultechEnvironmental Client #: 2628
Address: 1400 MacLeod Dr. Suite F
City/State/Zip Code: Lawrenceville, GA 30043
Project Manager: Jim Wilson
Telephone Number: (678) 377-0400 Fax: (678) 377-0051
Sampler Name: (Print Name) Rob Robinson
Sampler Signature: [signature]

Project Name: Handy Pantry #65 Clouds Chevron
Project #: ~~[illegible]~~ 008/009
Site/Location ID: Columbia State: SC
Report To: Jim Wilson
Invoice To:
Quote #: PO#:

TAT
___ Standard
X Rush (surcharges may apply) 100% RUSH
Date Needed: _____
Fax Results: Y N

QC Deliverables
___ None
___ Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: _____

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: BTEX, MTBE, NAD 8260B									REMARKS
WS-1@31'	2/23/05	1645	G	No	GW		3						3							05A	26606	100% RUSH
WS-2@26'	2/24/05	820																			07	
WS-3@24'		900																			08	
WS-4@14'		930																			09	
WS-5@14'		1000																			10	
WS-6@24'		1115																			11	
WS-7@28'		1145																			12	
WS-8@28'		1210																			13	
WS-9@28'		1245																			14	
WS-10@16'		1330																			26615	

Special Instructions:

Relinquished By: [signature]	Date: 2/24/05	Time: 1700	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: [signature]	Date: 2-25-05	Time: 0755

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

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800-765-0980 • 615-726-3404 Fax

2/28/05

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: HANDY PANTRY #65 CLOUDS
Project Number: 008/009.
Laboratory Project Number: 407375.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Sample Identification	Lab Number	Collection Date
WS-1 @ (31')	05-A26606	2/23/05
WS-2 @ (26')	05-A26607	2/24/05
WS-3 @ (24')	05-A26608	2/24/05
WS-4 @ (14')	05-A26609	2/24/05
WS-5 @ (14')	05-A26610	2/24/05
WS-6 @ (24')	05-A26611	2/24/05
WS-7 @ (28')	05-A26612	2/24/05
WS-8 @ (28')	05-A26613	2/24/05
WS-9 @ (28')	05-A26614	2/24/05
WS-10 @ (16')	05-A26615	2/24/05

A2LA certification number 0453.07 for analysis of wastewater and solid/hazardous waste.
NELAC/Florida certification number E87358 for analysis of environmental water, soil/hazardous waste, and drinking water effective 07/01/99-06/30/05.

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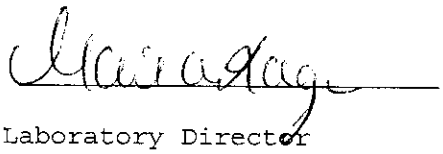
Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By:  Report Date: 2/28/05

Johnny A. Mitchell, Laboratory Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Senior Project Manager
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Senior Project Manager
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Senior Project Manag

Laboratory Certification Number: 84009

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 008/009
Project Name: HANDY PANTRY #65 CLOUDS
Sampler: ROB ROBINSON

Lab Number: 05-A26606
Sample ID: WS-1 @ (31')
Sample Type: Ground water
Site ID:

Date Collected: 2/23/05
Time Collected: 16:45
Date Received: 2/25/05
Time Received: 7:55
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1	2/26/05	2:36	T McCollum	8260B	7018
Ethylbenzene	1.3	ug/l	1.0	1	2/26/05	2:36	T McCollum	8260B	7018
Naphthalene	ND	ug/l	5.00	1	2/26/05	2:36	T McCollum	8260B	7018
Toluene	1.4	ug/l	1.0	1	2/26/05	2:36	T McCollum	8260B	7018
Xylenes (Total)	6.7	ug/l	1.0	1	2/26/05	2:36	T McCollum	8260B	7018
Methyl-t-butyl ether	ND	ug/l	1.0	1	2/26/05	2:36	T McCollum	8260B	7018

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	122.	73. - 127.
VOA Surr Toluene-d8	102.	79. - 113.
VOA Surr, 4-BFB	108.	79. - 125.
VOA Surr, DBFM	112.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 008/009
Project Name: HANDY PANTRY #65 CLOUDS
Sampler: ROB ROBINSON

Lab Number: 05-A26607
Sample ID: WS-2 @ (26')
Sample Type: Ground water
Site ID:

Date Collected: 2/24/05
Time Collected: 8:20
Date Received: 2/25/05
Time Received: 7:55
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1	2/26/05	3:05	T McCollum	8260B	7018
Ethylbenzene	ND	ug/l	1.0	1	2/26/05	3:05	T McCollum	8260B	7018
Naphthalene	ND	ug/l	5.00	1	2/26/05	3:05	T McCollum	8260B	7018
Toluene	ND	ug/l	1.0	1	2/26/05	3:05	T McCollum	8260B	7018
Xylenes (Total)	ND	ug/l	1.0	1	2/26/05	3:05	T McCollum	8260B	7018
Methyl-t-butyl ether	ND	ug/l	1.0	1	2/26/05	3:05	T McCollum	8260B	7018

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	125.	73. - 127.
VOA Surr Toluene-d8	100.	79. - 113.
VOA Surr, 4-BFB	112.	79. - 125.
VOA Surr, DBFM	116.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 008/009
Project Name: HANDY PANTRY #65 CLOUDS
Sampler: ROB ROBINSON

Lab Number: 05-A26608
Sample ID: WS-3 @ (24')
Sample Type: Ground water
Site ID:

Date Collected: 2/24/05
Time Collected: 9:00
Date Received: 2/25/05
Time Received: 7:55
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1	2/26/05	3:34	T McCollum	8260B	7018
Ethylbenzene	ND	ug/l	1.0	1	2/26/05	3:34	T McCollum	8260B	7018
Naphthalene	ND	ug/l	5.00	1	2/26/05	3:34	T McCollum	8260B	7018
Toluene	ND	ug/l	1.0	1	2/26/05	3:34	T McCollum	8260B	7018
Xylenes (Total)	ND	ug/l	1.0	1	2/26/05	3:34	T McCollum	8260B	7018
Methyl-t-butyl ether	ND	ug/l	1.0	1	2/26/05	3:34	T McCollum	8260B	7018

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	123.	73. - 127.
VOA Surr Toluene-d8	102.	79. - 123.
VOA Surr, 4-BFB	109.	79. - 125.
VOA Surr, DBFM	116.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 008/009
Project Name: HANDY PANTRY #65 CLOUDS
Sampler: ROB ROBINSON

Lab Number: 05-A26609
Sample ID: WS-4 @ (14')
Sample Type: Ground water
Site ID:

Date Collected: 2/24/05
Time Collected: 9:30
Date Received: 2/25/05
Time Received: 7:55
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1	2/26/05	4:04	T McCollum	8260B	7018
Ethylbenzene	ND	ug/l	1.0	1	2/26/05	4:04	T McCollum	8260B	7018
Naphthalene	ND	ug/l	5.00	1	2/26/05	4:04	T McCollum	8260B	7018
Toluene	ND	ug/l	1.0	1	2/26/05	4:04	T McCollum	8260B	7018
Xylenes (Total)	ND	ug/l	1.0	1	2/26/05	4:04	T McCollum	8260B	7018
Methyl-t-butyl ether	ND	ug/l	1.0	1	2/26/05	4:04	T McCollum	8260B	7018

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	116.	73. - 127.
VOA Surr Toluene-d8	106.	79. - 113.
VOA Surr, 4-BFB	111.	79. - 125.
VOA Surr, DBFM	107.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 008/009
Project Name: HANDY PANTRY #65 CLOUDS
Sampler: ROB ROBINSON

Lab Number: 05-A26610
Sample ID: WS-5 @ (14')
Sample Type: Ground water
Site ID:

Date Collected: 2/24/05
Time Collected: 10:00
Date Received: 2/25/05
Time Received: 7:55
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	972.	ug/l	20.0	20	2/27/05	8:02	T McCollum	8260B	7024
Ethylbenzene	16.3	ug/l	1.0	1	2/26/05	4:33	T McCollum	8260B	7018
Naphthalene	39.2	ug/l	5.00	1	2/26/05	4:33	T McCollum	8260B	7018
Toluene	ND	ug/l	1.0	1	2/26/05	4:33	T McCollum	8260B	7018
Xylenes (Total)	ND	ug/l	1.0	1	2/26/05	4:33	T McCollum	8260B	7018
Methyl-t-butyl ether	516.	ug/l	20.0	20	2/27/05	8:02	T McCollum	8260B	7024

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	107.	73. - 127.
VOA Surr Toluene-d8	102.	79. - 113.
VOA Surr, 4-BFB	110.	79. - 125.
VOA Surr, DBFM	106.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 008/009
Project Name: HANDY PANTRY #65 CLOUDS
Sampler: ROB ROBINSON

Lab Number: 05-A26611
Sample ID: WS-6 @ (24')
Sample Type: Ground water
Site ID:

Date Collected: 2/24/05
Time Collected: 11:15
Date Received: 2/25/05
Time Received: 7:55
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1	2/26/05	5:02	T McCollum	8260B	7018
Ethylbenzene	ND	ug/l	1.0	1	2/26/05	5:02	T McCollum	8260B	7018
Naphthalene	ND	ug/l	5.00	1	2/26/05	5:02	T McCollum	8260B	7018
Toluene	ND	ug/l	1.0	1	2/26/05	5:02	T McCollum	8260B	7018
Xylenes (Total)	ND	ug/l	1.0	1	2/26/05	5:02	T McCollum	8260B	7018
Methyl-t-butyl ether	ND	ug/l	1.0	1	2/26/05	5:02	T McCollum	8260B	7018

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	125.	73. - 127.
VOA Surr Toluene-d8	98.	79. - 113.
VOA Surr, 4-BFB	113.	79. - 125.
VOA Surr, DBFM	111.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
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E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 008/009
Project Name: HANDY PANTRY #65 CLOUDS
Sampler: ROB ROBINSON

Lab Number: 05-A26612
Sample ID: WS-7 @ (28')
Sample Type: Ground water
Site ID:

Date Collected: 2/24/05
Time Collected: 11:45
Date Received: 2/25/05
Time Received: 7:55
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1	2/26/05	5:32	T McCollum	8260B	7018
Ethylbenzene	ND	ug/l	1.0	1	2/26/05	5:32	T McCollum	8260B	7018
Naphthalene	ND	ug/l	5.00	1	2/26/05	5:32	T McCollum	8260B	7018
Toluene	ND	ug/l	1.0	1	2/26/05	5:32	T McCollum	8260B	7018
Xylenes (Total)	ND	ug/l	1.0	1	2/26/05	5:32	T McCollum	8260B	7018
Methyl-t-butyl ether	ND	ug/l	1.0	1	2/26/05	5:32	T McCollum	8260B	7018

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	113.	73. - 127.
VOA Surr Toluene-d8	105.	79. - 113.
VOA Surr, 4-BFB	110.	79. - 125.
VOA Surr, DBFM	108.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 008/009
Project Name: HANDY PANTRY #65 CLOUDS
Sampler: ROB ROBINSON

Lab Number: 05-A26613
Sample ID: WS-8 @ (28')
Sample Type: Ground water
Site ID:

Date Collected: 2/24/05
Time Collected: 12:10
Date Received: 2/25/05
Time Received: 7:55
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1	2/26/05	6:01	T McCollum	8260B	7018
Ethylbenzene	ND	ug/l	1.0	1	2/26/05	6:01	T McCollum	8260B	7018
Naphthalene	ND	ug/l	5.00	1	2/26/05	6:01	T McCollum	8260B	7018
Toluene	ND	ug/l	1.0	1	2/26/05	6:01	T McCollum	8260B	7018
Xylenes (Total)	ND	ug/l	1.0	1	2/26/05	6:01	T McCollum	8260B	7018
Methyl-t-butyl ether	ND	ug/l	1.0	1	2/26/05	6:01	T McCollum	8260B	7018

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	126.	73. - 127.
VOA Surr Toluene-d8	103.	79. - 113.
VOA Surr, 4-BFB	110.	79. - 125.
VOA Surr, DBFM	119.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 008/009
Project Name: HANDY PANTRY #65 CLOUDS
Sampler: ROB ROBINSON

Lab Number: 05-A26614
Sample ID: WS-9 @ (28')
Sample Type: Ground water
Site ID:

Date Collected: 2/24/05
Time Collected: 12:45
Date Received: 2/25/05
Time Received: 7:55
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1	2/26/05	6:30	T McCollum	8260B	7018
Ethylbenzene	ND	ug/l	1.0	1	2/26/05	6:30	T McCollum	8260B	7018
Naphthalene	ND	ug/l	5.00	1	2/26/05	6:30	T McCollum	8260B	7018
Toluene	ND	ug/l	1.0	1	2/26/05	6:30	T McCollum	8260B	7018
Xylenes (Total)	ND	ug/l	1.0	1	2/26/05	6:30	T McCollum	8260B	7018
Methyl-t-butyl ether	ND	ug/l	1.0	1	2/26/05	6:30	T McCollum	8260B	7018

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	102.	73. - 127.
VOA Surr Toluene-d8	104.	79. - 113.
VOA Surr, 4-BFB	114.	79. - 125.
VOA Surr, DBFM	105.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 008/009
Project Name: HANDY PANTRY #65 CLOUDS
Sampler: ROB ROBINSON

Lab Number: 05-A26615
Sample ID: WS-10 @ (16')
Sample Type: Ground water
Site ID:

Date Collected: 2/24/05
Time Collected: 13:30
Date Received: 2/25/05
Time Received: 7:55
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	4300	ug/l	100.	100	2/27/05	7:33	T McCollum	8260B	7029
Ethylbenzene	93.0	ug/l	1.0	1	2/26/05	6:59	T McCollum	8260B	7018
Naphthalene	142.	ug/l	5.00	1	2/26/05	6:59	T McCollum	8260B	7018
Toluene	113.	ug/l	1.0	1	2/26/05	6:59	T McCollum	8260B	7018
Xylenes (Total)	148.	ug/l	1.0	1	2/26/05	6:59	T McCollum	8260B	7018
Methyl-t-butyl ether	506.	ug/l	10.0	10	2/27/05	7:04	T McCollum	8260B	7024

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	106.	73. - 127.
VOA Surr Toluene-d8	102.	79. - 113.
VOA Surr, 4-BFB	109.	79. - 125.
VOA Surr, DBFM	107.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number: 008/009
Project Name: HANDY PANTRY #65 CLOUDS
Page: 1
Laboratory Receipt Date: 2/25/05

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA PARAMETERS								
Benzene	mg/l	0.0009	0.0450	0.0500	88	62 - 146	7018	26611
Benzene	mg/l	< 0.0003	0.0514	0.0500	103	62 - 146	7024	BLANK
Toluene	mg/l	< 0.0010	0.0480	0.0500	96	68 - 141	7018	26611
VOA Surr 1,2-DCA-d4	% Rec				99	73 - 127	7018	
VOA Surr 1,2-DCA-d4	% Rec				100	73 - 127	7024	
VOA Surr Toluene-d8	% Rec				103	79 - 113	7018	
VOA Surr Toluene-d8	% Rec				105	79 - 113	7024	
VOA Surr, 4-BFB	% Rec				98	79 - 125	7018	
VOA Surr, 4-BFB	% Rec				102	79 - 125	7024	
VOA Surr, DBFM	% Rec				98	75 - 134	7018	
VOA Surr, DBFM	% Rec				105	75 - 134	7024	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/l	0.0450	0.0504	11.32	25.	7018
Benzene	mg/l	0.0514	0.0524	1.93	25.	7024
Toluene	mg/l	0.0480	0.0490	2.06	29.	7018

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 008/009
Project Name: HANDY PANTRY #65 CLOUDS
Page: 2
Laboratory Receipt Date: 2/25/05

VOA Surr 1,2-DCA-d4	% Rec	113.	7018
VOA Surr 1,2-DCA-d4	% Rec	102.	7024
VOA Surr Toluene-d8	% Rec	105.	7018
VOA Surr Toluene-d8	% Rec	108.	7024
VOA Surr, 4-BFB	% Rec	104.	7018
VOA Surr, 4-BFB	% Rec	102.	7024
VOA Surr, DBFM	% Rec	112.	7018
VOA Surr, DBFM	% Rec	105.	7024

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/l	0.0500	0.0491	98	76 - 127	7018
Benzene	mg/l	0.0500	0.0479	96	76 - 127	7024
Benzene	mg/l	0.0500	0.0479	96	76 - 127	7029
Ethylbenzene	mg/l	0.0500	0.0501	100	80 - 124	7018
Naphthalene	mg/l	0.0500	0.0508	102	61 - 143	7018
Toluene	mg/l	0.0500	0.0487	97	79 - 124	7018
Xylenes (Total)	mg/l	0.150	0.155	103	80 - 125	7018
Methyl-t-butyl ether	mg/l	0.0500	0.0512	102	66 - 136	7018
Methyl-t-butyl ether	mg/l	0.0500	0.0533	107	66 - 136	7024
VOA Surr 1,2-DCA-d4	% Rec			110	73 - 127	7018
VOA Surr 1,2-DCA-d4	% Rec			109	73 - 127	7024
VOA Surr 1,2-DCA-d4	% Rec			109	73 - 127	7029
VOA Surr Toluene-d8	% Rec			100	79 - 113	7018
VOA Surr Toluene-d8	% Rec			104	79 - 113	7024
VOA Surr Toluene-d8	% Rec			104	79 - 113	7029
VOA Surr, 4-BFB	% Rec			98	79 - 125	7018
VOA Surr, 4-BFB	% Rec			98	79 - 125	7024
VOA Surr, 4-BFB	% Rec			98	79 - 125	7029
VOA Surr, DBFM	% Rec			108	75 - 134	7018

Project QC continued . . .

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ANALYTICAL TESTING CORPORATION

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PROJECT QUALITY CONTROL DATA
Project Number: 008/009
Project Name: HANDY PANTRY #65 CLOUDS
Page: 3
Laboratory Receipt Date: 2/25/05

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA Surr, DBFM	% Rec			108	75 - 134	7024
VOA Surr, DBFM	% Rec			108	75 - 134	7029

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Benzene	< 0.0003	mg/l	7018	2/26/05	1:08
Benzene	< 0.0003	mg/l	7024	2/27/05	0:43
Benzene	< 0.0003	mg/l	7029	2/27/05	0:43
Ethylbenzene	< 0.0002	mg/l	7018	2/26/05	1:08
Naphthalene	< 0.00120	mg/l	7018	2/26/05	1:08
Toluene	< 0.0002	mg/l	7018	2/26/05	1:08
Xylenes (Total)	< 0.0006	mg/l	7018	2/26/05	1:08
Methyl-t-butyl ether	< 0.0002	mg/l	7018	2/26/05	1:08
Methyl-t-butyl ether	< 0.0002	mg/l	7024	2/27/05	0:43

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 008/009
Project Name: HANDY PANTRY #65 CLOUDS
Page: 4
Laboratory Receipt Date: 2/25/05

VOA Surr 1,2-DCA-d4	132.	% Rec	7018	2/26/05	1:08
VOA Surr 1,2-DCA-d4	117.	% Rec	7024	2/27/05	0:43
VOA Surr 1,2-DCA-d4	117.	% Rec	7029	2/27/05	0:43
VOA Surr Toluene-d8	98.	% Rec	7018	2/26/05	1:08
VOA Surr Toluene-d8	102.	% Rec	7024	2/27/05	0:43
VOA Surr Toluene-d8	102.	% Rec	7029	2/27/05	0:43
VOA Surr, 4-BFB	113.	% Rec	7018	2/26/05	1:08
VOA Surr, 4-BFB	117.	% Rec	7024	2/27/05	0:43
VOA Surr, 4-BFB	117.	% Rec	7029	2/27/05	0:43
VOA Surr, DBFM	126.	% Rec	7018	2/26/05	1:08
VOA Surr, DBFM	112.	% Rec	7024	2/27/05	0:43
VOA Surr, DBFM	112.	% Rec	7029	2/27/05	0:43

= Value outside Laboratory historical or method prescribed QC limits.

24-MAR-05

Consultech Environmental, Inc.
1800 MacLeod Drive, Suite F
Lawrenceville, GA 30043-5736
Client Contact: Jim Wilson

Reference: Accura Analytical Laboratory, Inc. (AAL) Work Order No: 7868
Project Name :Clouds Chevron
Project Number: 04-12-009

Dear Jim Wilson :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Chain of Custody(s) Numbered 39084 . All results being reported under this Chain of Custody apply to the samples analyzed and properly identified with an AAL Sample ID number.

All the results for the quality control samples were reviewed. Also, all parameters for data reduction and validation were reviewed. In view of this, we are able to release the analytical data for this report within acceptance criteria for accuracy, precision, completeness or properly flagged.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by AAL. This report will be filed for at least 7 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in COC No. 39084 will be filed for 90 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Accura Analytical Laboratory Inc. to serve your analytical needs. If you have any questions concerning this report, please feel free to contact me at any time.

Sincerely,

Brian Burns
Project Manager

6017 Financial Drive Norcross, GA 30071
Phone: 770-449-8800 Fax: 770-449-5477

ACCURA ANALYTICAL LABORATORY, INC. (AAL)

6017 Financial Drive, Norcross, GA 30071, Phone: (770) 449-8800
FL Certification #E87429 ▪ NC Certification #483
SC Certification #98015 ▪ Utah Certification #AALI1
USACE Approved ▪ Navy Certification Code NFESC 413

Case Narrative

AAL Work Order # 7868

Client Project: Clouds Chevron / 04-12-009

Accura Analytical Laboratory Inc. certifies that the results meet all requirements of the NELAC Standards.

The data package includes a 1 page case narrative, 1 Chain of Custody page, 2 analytical results pages, and 2 QC surrogate recovery pages.

The following items were noted concerning this work order:

BTEX, MTBE, Naph. by SW8260B Notations:

1. MW-57 required dilution due to high analyte concentration. As a result some other analytes are reported as "Below Reporting Limit" but at elevated detection limits.

Thomas A. Gatch — *March 24, 2005*
Thomas A. Gatch — Date
VOC Analyst

These Case Narrative Notations have been generated, reviewed, and edited by:

March 24, 2005
Brian Burns — Date
Client Services

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ACCURA ANALYTICAL LABORATORY, INC.

Environmental Analytical Services

3901

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

CHAIN OF CUSTODY

Company Name: CONSULTECH ENVIRONMENTAL Billing address:

Address: 1800 MACLEOD RD. STE F, LAWRENCEVILLE, GA Client P.O. #

Report Sent to: (Client Contact): JIM WILSON

Contact Phone # 678 377-0400 Fax # 678 377-0051

Project Name: CLOUDS CHEVRON

Project Number: 04-12-009

For Laboratory Use Only AAL LIMS SYS. ID: 953

Custody Seal(s): ___ Y (N) TAPE Page 1 OF 1

QC Level: (1) 2 3 4 CLP Init/Temp: JOC JC

Sample Condition: (GOOD) AAL Work Order # 7868

Samplers: (signature) Jonathan Wilson

Samplers: (printed) JAMES R. WILSON

Line No.	Sample ID #	Sample Date / Time	Comp	Grab	Matrix	Preserved	Sample Location:	No. of Containers	ANALYSIS: BTEX/MTBE/naph 8260	Remarks	AAL SampleID: 7868
1	MW-56	3/22/05 8:00		✓	WATER	✓		3			001
2	MW-57	3/22/05 8:30		✓	WATER	✓		3			002
3	MW-59	3/22/05 9:30		✓	WATER	✓		3			003
4											
5											
6											
7											
8											
9											
10											

1) Relinquished By: Jonathan Wilson Date / Time 3/24/05 6:25

2) Received By: Date / Time 3.22.05 1825

Delivered by: (Circle One) FedEX UPS (Hand) Other

3) Relinquished By: Date / Time

4) Received By: Date / Time

Turnaround Time Requested: 24 HR

Matrix Guide: (W - Water) (DW - Drinking Water) (GW - Groundwater) (SW - Surface Water) (L - Liquid) (O - Oil) (S - Soil) (SD - Solid) (SL - Sludge) (A - Air Sample) (C - Cartridge)

COC-2002.xls Revised 8-9-02

Certificate of Analytical Results 7868

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron

Sample Id: **MW-56** Matrix: **WATER** % Moisture:
Lab Sample Id: **7868-001** Date Collected: **Mar-22-05 08:00** Date Received: **Mar-22-05 18:24**
Sample Depth:

Analytical Method: BTEX, MTBE, Naph. by SW8260B Prep Method: SW5030B

Date Analyzed: Mar-23-05 14:04 Analyst: RPS01 Date Prep: Mar-23-05 11:25 Tech: TAG01
Seq Number: 25980

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Benzene	71-43-2	BRL	1.0	0.30	ug/L		1
Toluene	108-88-3	BRL	1.0	0.25	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	0.61	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.26	ug/L		1
Naphthalene	91-20-3	BRL	5.0	0.45	ug/L		1

Sample Id: **MW-57** Matrix: **WATER** % Moisture:
Lab Sample Id: **7868-002** Date Collected: **Mar-22-05 08:30** Date Received: **Mar-22-05 18:24**
Sample Depth:

Analytical Method: BTEX, MTBE, Naph. by SW8260B Prep Method: SW5030B

Date Analyzed: Mar-23-05 15:00 Analyst: RPS01 Date Prep: Mar-23-05 11:25 Tech: TAG01
Seq Number: 25980

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Benzene	71-43-2	2500	100	30	ug/L		100
Toluene	108-88-3	1900	10	2.5	ug/L		10
Ethylbenzene	100-41-4	360	10	1.9	ug/L		10
Xylenes, Total	1330-20-7	1400	10	6.1	ug/L		10
Methyl tert-butyl ether	1634-04-4	970	10	2.6	ug/L		10
Naphthalene	91-20-3	BRL	50	4.5	ug/L		10

Sample Id: **MW-59** Matrix: **WATER** % Moisture:
Lab Sample Id: **7868-003** Date Collected: **Mar-22-05 09:00** Date Received: **Mar-22-05 18:24**
Sample Depth:

Analytical Method: BTEX, MTBE, Naph. by SW8260B Prep Method: SW5030B

Date Analyzed: Mar-23-05 14:32 Analyst: RPS01 Date Prep: Mar-23-05 11:25 Tech: TAG01
Seq Number: 25980

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Benzene	71-43-2	BRL	1.0	0.30	ug/L		1
Toluene	108-88-3	BRL	1.0	0.25	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	0.61	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.26	ug/L		1
Naphthalene	91-20-3	BRL	5.0	0.45	ug/L		1

*

Version: 1.000

Certificate of Analytical Results 7868

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron

Sample Id: **25528 BLK**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **25528 BLK**	Date Collected:	Date Received:
Sample Depth:		

Analytical Method: BTEX, MTBE, Naph. by SW8260B Prep Method: SW5030B

Date Analyzed: Mar-23-05 12:51 Analyst: RPS01 Seq Number: 25980 Date Prep: Mar-23-05 11:25 Tech: TAG01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Benzene	71-43-2	BRL	1.0	0.30	ug/L		1
Toluene	108-88-3	BRL	1.0	0.25	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	0.61	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.26	ug/L		1
Naphthalene	91-20-3	BRL	5.0	0.45	ug/L		1

*

Form 2 - Surrogate Recoveries

Project Name: Clouds Chevron

Report Date: 03/24/05 11:57

Work Order #: 7868

Project ID: 04-12-009

Lab Batch #: 25980 **Sample:** 25528 BLK / BLK **Batch:** 1 **Matrix:** W

Units: ug/L

Select VOCs by SW8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,2-Dichloroethane-d4	49.2	50.0	98	78-123	
Bromofluorobenzene	51.1	50.0	102	84-116	
Toluene-d8	51.2	50.0	102	89-118	

Lab Batch #: 25980 **Sample:** 7868-001 / SMP **Batch:** 1 **Matrix:** W

Units: ug/L

Select VOCs by SW8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,2-Dichloroethane-d4	48.4	50.0	97	63-128	
Bromofluorobenzene	49.4	50.0	99	77-117	
Toluene-d8	48.2	50.0	96	84-115	

Lab Batch #: 25980 **Sample:** 7868-002 / SMP **Batch:** 1 **Matrix:** W

Units: ug/L

Select VOCs by SW8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,2-Dichloroethane-d4	48.3	50.0	97	63-128	
Bromofluorobenzene	51.5	50.0	103	77-117	
Toluene-d8	52.1	50.0	104	84-115	

Lab Batch #: 25980 **Sample:** 7868-002 DL / DIL **Batch:** 1 **Matrix:** W

Units: ug/L

Select VOCs by SW8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,2-Dichloroethane-d4	41.7	50.0	83	63-128	
Bromofluorobenzene	49.8	50.0	100	77-117	
Toluene-d8	49.3	50.0	99	84-115	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

'** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Labortatory QC limits

Form 2 - Surrogate Recoveries

Project Name: Clouds Chevron

Report Date: 03/24/05 11:57

Work Order #: 7868

Project ID: 04-12-009

Lab Batch #: 25980 **Sample:** 7868-003 / SMP **Batch:** 1 **Matrix:** W

Units: ug/L

Select VOCs by SW8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,2-Dichloroethane-d4	51.6	50.0	103	63-128	
Bromofluorobenzene	53.0	50.0	106	77-117	
Toluene-d8	53.1	50.0	106	84-115	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Labortatory QC limits

410361

TestAmerica
ANALYTICAL TESTING CORPORATION

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Corsultech Environmental Client #: 2628
Address: 1900 MacLeod Dr. Suite F
City/State/Zip Code: Lawrenceville, GA 30043
Project Manager: Jim Wilson
Telephone Number: (678) 377-0405 Fax: (678) 377-0351
Sampler Name: (Print Name) Rob Rogerson
Sampler Signature:

Project Name: Hardy Paint, #65
Project #: C-04-12-009
Site/Location ID: Columbia State: SC
Report To: Jim Wilson
Invoice To:
Quote #: PO#:

TAT
___ Standard
X Rush (surcharges may apply)
Date Needed: 100% RUSH
Fax Results: Y N

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: 8260B BTEX, MTBE, NAP						05A	42263		QC Deliverables: None, Level 2 (Batch QC), Level 3, Level 4, Other: REMARKS
MW-43	3/24/05	1320	G	N	GW		3						3						05A	42263		100% RUSH
MW-44	3/24/05	1335	↓	↓	↓		↓						↓							42264		100% RUSH

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

	Date:	Time:		Date:	Time:
Relinquished By:	3/24/05	1400	Received By:		
Relinquished By:			Received By:		
Relinquished By:			Received By:	3.25.05	0805

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ANALYTICAL TESTING CORPORATION

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3/28/05

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: HANDY PANTRY #65
Project Number: C-04-12-008.
Laboratory Project Number: 410561.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Sample Identification	Lab Number	Collection Date
MW-43	05-A42263	3/24/05
MW-44	05-A42264	3/24/05

A2LA certification number 0453.07 for analysis of wastewater and solid/hazardous waste.
NELAC/Florida certification number E87358 for analysis of environmental water, soil/hazardous waste, and drinking water effective 07/01/99-06/30/05.

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
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Report Approved By: _____ Report Date: 3/28/05

Johnny A. Mitchell, Laboratory Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Senior Project Manager
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Senior Project Manager
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Senior Project Manag

Laboratory Certification Number: 84009

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A42263
Sample ID: MW-43
Sample Type: Ground water
Site ID:

Date Collected: 3/24/05
Time Collected: 13:20
Date Received: 3/25/05
Time Received: 8:05
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1	3/26/05	10:13	B.Herford	8260B	2686
Ethylbenzene	ND	ug/l	1.0	1	3/26/05	10:13	B.Herford	8260B	2686
Naphthalene	ND	ug/l	5.00	1	3/26/05	10:13	B.Herford	8260B	2686
Toluene	ND	ug/l	1.0	1	3/26/05	10:13	B.Herford	8260B	2686
Xylenes (Total)	ND	ug/l	1.0	1	3/26/05	10:13	B.Herford	8260B	2686
Methyl-t-butyl ether	ND	ug/l	1.0	1	3/26/05	10:13	B.Herford	8260B	2686

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	94.	73. - 127.
VOA Surr Toluene-d8	101.	79. - 113.
VOA Surr, 4-BFB	117.	79. - 125.
VOA Surr, DBFM	97.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A42264
Sample ID: MW-44
Sample Type: Ground water
Site ID:

Date Collected: 3/24/05
Time Collected: 13:30
Date Received: 3/25/05
Time Received: 8:05
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1	3/26/05	10:45	B.Herford	8260B	2686
Ethylbenzene	ND	ug/l	1.0	1	3/26/05	10:45	B.Herford	8260B	2686
Naphthalene	ND	ug/l	5.00	1	3/26/05	10:45	B.Herford	8260B	2686
Toluene	ND	ug/l	1.0	1	3/26/05	10:45	B.Herford	8260B	2686
Xylenes (Total)	ND	ug/l	1.0	1	3/26/05	10:45	B.Herford	8260B	2686
Methyl-t-butyl ether	ND	ug/l	1.0	1	3/26/05	10:45	B.Herford	8260B	2686

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	93.	73. - 127.
VOA Surr Toluene-d8	99.	79. - 113.
VOA Surr, 4-BFB	111.	79. - 125.
VOA Surr, DBFM	97.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-008
Project Name: HANDY PANTRY #65
Page: 1
Laboratory Receipt Date: 3/25/05

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA PARAMETERS								
Benzene	mg/l	< 0.0010	0.0555	0.0500	111	62 - 146	2686	42264
Toluene	mg/l	< 0.0010	0.0708	0.0500	142#	68 - 141	2686	42264
VOA Surr 1,2-DCA-d4	% Rec				91	73 - 127	2686	
VOA Surr Toluene-d8	% Rec				98	79 - 113	2686	
VOA Surr, 4-BFB	% Rec				100	79 - 125	2686	
VOA Surr, DBFM	% Rec				99	75 - 134	2686	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/l	0.0555	0.0532	4.23	25.	2686
Toluene	mg/l	0.0708	0.0576	20.56	29.	2686
VOA Surr 1,2-DCA-d4	% Rec		91.			2686
VOA Surr Toluene-d8	% Rec		98.			2686
VOA Surr, 4-BFB	% Rec		101.			2686
VOA Surr, DBFM	% Rec		99.			2686

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-008
Project Name: HANDY PANTRY #65
Page: 2
Laboratory Receipt Date: 3/25/05

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/l	0.0500	0.0498	100	76 - 127	2686
Ethylbenzene	mg/l	0.0500	0.0523	105	80 - 124	2686
Naphthalene	mg/l	0.0500	0.0613	123	61 - 143	2686
Toluene	mg/l	0.0500	0.0506	101	79 - 124	2686
Xylenes (Total)	mg/l	0.150	0.157	105	80 - 125	2686
Methyl-t-butyl ether	mg/l	0.0500	0.0494	99	66 - 136	2686
VOA Surr 1,2-DCA-d4	% Rec			92	73 - 127	2686
VOA Surr Toluene-d8	% Rec			100	79 - 113	2686
VOA Surr, 4-BFB	% Rec			101	79 - 125	2686
VOA Surr, DBFM	% Rec			99	75 - 134	2686

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-008
Project Name: HANDY PANTRY #65
Page: 3
Laboratory Receipt Date: 3/25/05

VOA PARAMETERS					
Benzene	< 0.0003	mg/l	2686	3/26/05	4:53
Ethylbenzene	< 0.0002	mg/l	2686	3/26/05	4:53
Naphthalene	< 0.00120	mg/l	2686	3/26/05	4:53
Toluene	< 0.0002	mg/l	2686	3/26/05	4:53
Xylenes (Total)	< 0.0006	mg/l	2686	3/26/05	4:53
Methyl-t-butyl ether	< 0.0002	mg/l	2686	3/26/05	4:53
VOA Surr 1,2-DCA-d4	92.	% Rec	2686	3/26/05	4:53
VOA Surr Toluene-d8	100.	% Rec	2686	3/26/05	4:53
VOA Surr, 4-BFB	107.	% Rec	2686	3/26/05	4:53
VOA Surr, DBFM	97.	% Rec	2686	3/26/05	4:53

= Value outside Laboratory historical or method prescribed QC limits.

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411043

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring ____

Client Name: CONSULTECH ENVIRONMENTAL Client #: 2628
Address: 1800 MACLEOD DR. SUITE F
City/State/Zip Code: LAWRENCEVILLE, GA 30043
Project Manager: JIM WILSON
Telephone Number: (678) 377-0400 Fax: (678) 377-0051
Sampler Name: (Print Name) JOSH ICKERMAN
Sampler Signature:

Project Name: CLOUDS CHEVRON
Project #: 04-12-009
Site/Location ID: COLUMBIA State: SC
Report To: JIM WILSON
Invoice To:
Quote #: PO#:

TAT
___ Standard
___ Rush (surcharges may apply)
Date Needed: ____
Fax Results: Y N

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: BTEX/MPA 8260	QC Deliverables: None / Level 2 (Batch QC) / Level 3 / Level 4 / Other	REMARKS
MW-57	3/21/05	17:50	C		S				2	1			X		44568
MW-58	3/22/05	10:30	C		S				2	1			X		69
MW-56	3/21/05	17:00	C		S				2	1			X		70
MW-54	3/22/05	11:30	C		S				2	1			X		71
MW-53	3/22/05	13:30	C		S				2	1			X		72
MW-52	3/23/05	9:00	C		S				2	1			X		73
MW-45	3/24/05	8:00	C		S				2	1			X		74
MW-43	3/24/05	10:00	C		S				2	1			X		75

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

Relinquished By	Date	Time	Received By	Date	Time
Jim Wilson	3/24/05	15:00			
				3/30/05	9:50

TestAmerica
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4/ 4/05

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: CLOUDS CHEVRON
Project Number: 04-12-009.
Laboratory Project Number: 411043.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Sample Identification	Lab Number	Collection Date
MW-57	05-A44568	3/21/05
MW-58	05-A44569	3/22/05
MW-56	05-A44570	3/21/05
MW-54	05-A44571	3/22/05
MW-53	05-A44572	3/22/05
MW-52	05-A44573	3/23/05
MW-45	05-A44574	3/24/05
MW-43	05-A44575	3/24/05

A2LA certification number 0453.07 for analysis of wastewater and solid/hazardous waste.
NELAC/Florida certification number E87358 for analysis of environmental water, soil/hazardous waste, and drinking water effective 07/01/99-06/30/05.

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
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Report Approved By: _____ Report Date: 4/ 4/05

Johnny A. Mitchell, Laboratory Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Senior Project Manager
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Senior Project Manager
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Senior Project Manag

Laboratory Certification Number: 84009

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 04-12-009
Project Name: CLOUDS CHEVRON
Sampler: JOSH K.

Lab Number: 05-A44568
Sample ID: MW-57
Sample Type: Soil
Site ID:

Date Collected: 3/21/05
Time Collected: 17:50
Date Received: 3/30/05
Time Received: 7:50
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	0.120	mg/kg	0.0017	1.0	4/ 1/05	23:29	J. Bundy	8260B	9390
Ethylbenzene	0.0110	mg/kg	0.0017	1.0	4/ 1/05	23:29	J. Bundy	8260B	9390
Naphthalene	ND	mg/kg	0.00422	1.0	4/ 1/05	23:29	J. Bundy	8260B	9390
Toluene	0.0642	mg/kg	0.0017	1.0	4/ 1/05	23:29	J. Bundy	8260B	9390
Xylenes (Total)	0.0375	mg/kg	0.0017	1.0	4/ 1/05	23:29	J. Bundy	8260B	9390

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	5.92 g	5.0 ml	3/21/05	17:50	J. Bundy	5035

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCAd4	86.	72. - 134.
VOA Surr Toluene-d8	97.	76. - 122.
VOA Surr, 4-BFB	90.	60. - 138.
VOA Surr, DBFM	90.	75. - 137.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A44568
Sample ID: MW-57
Project: 04-12-009

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 04-12-009
Project Name: CLOUDS CHEVRON
Sampler: JOSH K.

Lab Number: 05-A44569
Sample ID: MW-58
Sample Type: Soil
Site ID:

Date Collected: 3/22/05
Time Collected: 10:30
Date Received: 3/30/05
Time Received: 7:50
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	0.481	mg/kg	0.0926	50.0	4/ 2/05	0:29	J. Bundy	8260B	9392
Ethylbenzene	0.0539	mg/kg	0.0019	1.0	4/ 1/05	23:59	J. Bundy	8260B	9390
Naphthalene	0.0321	mg/kg	0.00463	1.0	4/ 1/05	23:59	J. Bundy	8260B	9390
Toluene	0.0081	mg/kg	0.0019	1.0	4/ 1/05	23:59	J. Bundy	8260B	9390
Xylenes (Total)	0.0231	mg/kg	0.0019	1.0	4/ 1/05	23:59	J. Bundy	8260B	9390

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	5.40 g	5.0 ml	3/21/05	10:30	J. Bundy	5035

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCAd4	73.	72. - 134.
VOA Surr Toluene-d8	101.	76. - 122.
VOA Surr, 4-BFB	89.	60. - 138.
VOA Surr, DBFM	85.	75. - 137.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A44569
Sample ID: MW-58
Project: 04-12-009

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 04-12-009
Project Name: CLOUDS CHEVRON
Sampler: JOSH K.

Lab Number: 05-A44570
Sample ID: MW-56
Sample Type: Soil
Site ID:

Date Collected: 3/21/05
Time Collected: 17:00
Date Received: 3/30/05
Time Received: 7:50
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	mg/kg	0.0014	1.0	4/ 1/05	20:43	J. Bundy	8260B	9390
Ethylbenzene	ND	mg/kg	0.0014	1.0	4/ 1/05	20:43	J. Bundy	8260B	9390
Naphthalene	ND	mg/kg	0.00362	1.0	4/ 1/05	20:43	J. Bundy	8260B	9390
Toluene	ND	mg/kg	0.0014	1.0	4/ 1/05	20:43	J. Bundy	8260B	9390
Xylenes (Total)	ND	mg/kg	0.0014	1.0	4/ 1/05	20:43	J. Bundy	8260B	9390

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	6.91 g	5.0 ml	3/21/05	17:00	J. Bundy	5035

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCAd4	82.	72. - 134.
VOA Surr Toluene-d8	95.	76. - 122.
VOA Surr, 4-BFB	84.	60. - 138.
VOA Surr, DBFM	86.	75. - 137.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A44570
Sample ID: MW-56
Project: 04-12-009

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 04-12-009
Project Name: CLOUDS CHEVRON
Sampler: JOSH K.

Lab Number: 05-A44571
Sample ID: MW-54
Sample Type: Soil
Site ID:

Date Collected: 3/22/05
Time Collected: 11:30
Date Received: 3/30/05
Time Received: 7:50
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	0.0145	mg/kg	0.0022	1.0	4/ 1/05	21:09	J. Bundy	8260B	9390
Ethylbenzene	ND	mg/kg	0.0022	1.0	4/ 1/05	21:09	J. Bundy	8260B	9390
Naphthalene	ND	mg/kg	0.00551	1.0	4/ 1/05	21:09	J. Bundy	8260B	9390
Toluene	ND	mg/kg	0.0022	1.0	4/ 1/05	21:09	J. Bundy	8260B	9390
Xylenes (Total)	ND	mg/kg	0.0022	1.0	4/ 1/05	21:09	J. Bundy	8260B	9390

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	4.54 g	5.0 ml	3/22/05	11:30	J. Bundy	5035

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCAd4	84.	72. - 134.
VOA Surr Toluene-d8	93.	76. - 122.
VOA Surr, 4-BFB	96.	60. - 138.
VOA Surr, DBFM	89.	75. - 137.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A44571
Sample ID: MW-54
Project: 04-12-009

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 04-12-009
Project Name: CLOUDS CHEVRON
Sampler: JOSH K.

Lab Number: 05-A44572
Sample ID: MW-53
Sample Type: Soil
Site ID:

Date Collected: 3/22/05
Time Collected: 13:30
Date Received: 3/30/05
Time Received: 7:50
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	0.0171	mg/kg	0.0020	1.0	4/ 1/05	21:35	J. Bundy	8260B	9390
Ethylbenzene	ND	mg/kg	0.0020	1.0	4/ 1/05	21:35	J. Bundy	8260B	9390
Naphthalene	ND	mg/kg	0.00501	1.0	4/ 1/05	21:35	J. Bundy	8260B	9390
Toluene	ND	mg/kg	0.0020	1.0	4/ 1/05	21:35	J. Bundy	8260B	9390
Xylenes (Total)	ND	mg/kg	0.0020	1.0	4/ 1/05	21:35	J. Bundy	8260B	9390

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	4.99 g	5.0 ml	3/22/05	13:30	J. Bundy	5035

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCAd4	82.	72. - 134.
VOA Surr Toluene-d8	95.	76. - 122.
VOA Surr, 4-BFB	91.	60. - 138.
VOA Surr, DBFM	90.	75. - 137.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A44572
Sample ID: MW-53
Project: 04-12-009

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 04-12-009
Project Name: CLOUDS CHEVRON
Sampler: JOSH K.

Lab Number: 05-A44573
Sample ID: MW-52
Sample Type: Soil
Site ID:

Date Collected: 3/23/05
Time Collected: 9:00
Date Received: 3/30/05
Time Received: 7:50
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	mg/kg	0.0015	1.0	4/ 1/05	22:01	J. Bundy	8260B	9390
Ethylbenzene	ND	mg/kg	0.0015	1.0	4/ 1/05	22:01	J. Bundy	8260B	9390
Naphthalene	ND	mg/kg	0.00377	1.0	4/ 1/05	22:01	J. Bundy	8260B	9390
Toluene	ND	mg/kg	0.0015	1.0	4/ 1/05	22:01	J. Bundy	8260B	9390
Xylenes (Total)	ND	mg/kg	0.0015	1.0	4/ 1/05	22:01	J. Bundy	8260B	9390

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	6.64 g	5.0 ml	3/23/05	9:00	J. Bundy	5035

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCAd4	83.	72. - 134.
VOA Surr Toluene-d8	93.	76. - 122.
VOA Surr, 4-BFB	87.	60. - 138.
VOA Surr, DBFM	91.	75. - 137.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A44573
Sample ID: MW-52
Project: 04-12-009

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 04-12-009
Project Name: CLOUDS CHEVRON
Sampler: JOSH K.

Lab Number: 05-A44574
Sample ID: MW-45
Sample Type: Soil
Site ID:

Date Collected: 3/24/05
Time Collected: 8:00
Date Received: 3/30/05
Time Received: 7:50
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	mg/kg	0.0018	1.0	4/ 1/05	22:29	J. Bundy	8260B	9390
Ethylbenzene	ND	mg/kg	0.0018	1.0	4/ 1/05	22:29	J. Bundy	8260B	9390
Naphthalene	ND	mg/kg	0.00444	1.0	4/ 1/05	22:29	J. Bundy	8260B	9390
Toluene	ND	mg/kg	0.0018	1.0	4/ 1/05	22:29	J. Bundy	8260B	9390
Xylenes (Total)	ND	mg/kg	0.0018	1.0	4/ 1/05	22:29	J. Bundy	8260B	9390

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	5.63 g	5.0 ml	3/24/05	8:00	J. Bundy	5035

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCAd4	88.	72. - 134.
VOA Surr Toluene-d8	94.	76. - 122.
VOA Surr, 4-BFB	81.	60. - 138.
VOA Surr, DBFM	94.	75. - 137.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A44574
Sample ID: MW-45
Project: 04-12-009

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 04-12-009
Project Name: CLOUDS CHEVRON
Sampler: JOSH K.

Lab Number: 05-A44575
Sample ID: MW-43
Sample Type: Soil
Site ID:

Date Collected: 3/24/05
Time Collected: 10:00
Date Received: 3/30/05
Time Received: 7:50
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	mg/kg	0.0017	1.0	4/ 1/05	22:59	J. Bundy	8260B	9390
Ethylbenzene	ND	mg/kg	0.0017	1.0	4/ 1/05	22:59	J. Bundy	8260B	9390
Naphthalene	ND	mg/kg	0.00415	1.0	4/ 1/05	22:59	J. Bundy	8260B	9390
Toluene	ND	mg/kg	0.0017	1.0	4/ 1/05	22:59	J. Bundy	8260B	9390
Xylenes (Total)	ND	mg/kg	0.0017	1.0	4/ 1/05	22:59	J. Bundy	8260B	9390

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	6.02 g	5.0 ml	3/24/05	10:00	J. Bundy	5035

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCAd4	85.	72. - 134.
VOA Surr Toluene-d8	90.	76. - 122.
VOA Surr, 4-BFB	82.	60. - 138.
VOA Surr, DBFM	90.	75. - 137.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A44575
Sample ID: MW-43
Project: 04-12-009

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number: 04-12-009
Project Name: CLOUDS CHEVRON
Page: 1
Laboratory Receipt Date: 3/30/05

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA PARAMETERS								
Benzene	mg/kg	< 0.0008	0.0536	0.0500	107	53 - 136	9390	blank
Toluene	mg/kg	< 0.0005	0.0502	0.0500	100	43 - 139	9390	blank
VOA Surr, 1,2-DCAd4	% Rec				83	72 - 134	9390	
VOA Surr Toluene-d8	% Rec				100	76 - 122	9390	
VOA Surr, 4-BFB	% Rec				94	60 - 138	9390	
VOA Surr, DBFM	% Rec				97	75 - 137	9390	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/kg	0.0536	0.0440	19.67	34.	9390
Toluene	mg/kg	0.0502	0.0434	14.53	39.	9390
VOA Surr, 1,2-DCAd4	% Rec		85.			9390
VOA Surr Toluene-d8	% Rec		97.			9390
VOA Surr, 4-BFB	% Rec		92.			9390
VOA Surr, DBFM	% Rec		96.			9390

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 04-12-009
Project Name: CLOUDS CHEVRON
Page: 2
Laboratory Receipt Date: 3/30/05

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/kg	0.0500	0.0488	98	76 - 124	9390
Benzene	mg/kg	0.0500	0.0488	98	76 - 124	9392
Ethylbenzene	mg/kg	0.0500	0.0515	103	70 - 128	9390
Naphthalene	mg/kg	0.0500	0.0489	98	59 - 152	9390
Toluene	mg/kg	0.0500	0.0472	94	72 - 125	9390
Xylenes (Total)	mg/kg	0.150	0.148	99	71 - 129	9390
VOA Surr, 1,2-DCAd4	% Rec			81	72 - 134	9390
VOA Surr, 1,2-DCAd4	% Rec			81	72 - 134	9392
VOA Surr Toluene-d8	% Rec			98	76 - 122	9390
VOA Surr Toluene-d8	% Rec			98	76 - 122	9392
VOA Surr, 4-BFB	% Rec			85	60 - 138	9390
VOA Surr, 4-BFB	% Rec			85	60 - 138	9392
VOA Surr, DBFM	% Rec			94	75 - 137	9390
VOA Surr, DBFM	% Rec			94	75 - 137	9392

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 04-12-009
Project Name: CLOUDS CHEVRON
Page: 3
Laboratory Receipt Date: 3/30/05

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Benzene	< 0.0008	mg/kg	9390	4/ 1/05	20:17
Benzene	< 0.0008	mg/kg	9392	4/ 1/05	20:17
Ethylbenzene	< 0.0005	mg/kg	9390	4/ 1/05	20:17
Naphthalene	< 0.00130	mg/kg	9390	4/ 1/05	20:17
Toluene	< 0.0005	mg/kg	9390	4/ 1/05	20:17
Xylenes (Total)	< 0.0013	mg/kg	9390	4/ 1/05	20:17
VOA Surr, 1,2-DCAd4	84.	% Rec	9390	4/ 1/05	20:17
VOA Surr, 1,2-DCAd4	84.	% Rec	9392	4/ 1/05	20:17
VOA Surr Toluene-d8	98.	% Rec	9390	4/ 1/05	20:17
VOA Surr Toluene-d8	98.	% Rec	9392	4/ 1/05	20:17
VOA Surr, 4-BFB	85.	% Rec	9390	4/ 1/05	20:17
VOA Surr, 4-BFB	85.	% Rec	9392	4/ 1/05	20:17
VOA Surr, DBFM	83.	% Rec	9390	4/ 1/05	20:17
VOA Surr, DBFM	83.	% Rec	9392	4/ 1/05	20:17

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 411043

TestAmerica INCORPORATED

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ATLANTA SERVICE CENTER

412413

sist us in using the proper analytical methods.
work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: CONSULTECH ENV Client #: 2628
Address: 1800 MACLEOD DRIVE, SUITE F
City/State/Zip Code: LAWRENCEVILLE, GA 30043
Project Manager: JIM WILSON
Telephone Number: (678) 377-0400 Fax: (678) 377-0851
Sampler Name: (Print Name) JOSH MCFADDEN
Sampler Signature: Josh McFadden

Project Name: CLOUDS CROSSING
Project #: 04-12-009
Site/Location ID: COLUMBIA State: SC
Report To: JIM WILSON
Invoice To:
Quote #: PO#:

TAT
__ Standard
__ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y N

SAMPLE ID | Date Sampled | Time Sampled | G = Grab, C = Composite | Field Filtered | Matrix (SL: Sludge, DW: Drinking Water, S: Soil/Solid, GW: Groundwater, WW: Wastewater, Specify Other) | Preservation & # of Containers (HNO_3, HCl, NaOH, H_2SO_4, Methanol, None, Other (Specify)) | Analyze For: BTEX/MTBE 8260B | QC Deliverables | REMARKS

SAMPLE ID	Date Sampled	Time Sampled	G/C	Field Filtered	Matrix	H_2SO_4	Methanol	BTEX/MTBE 8260B	REMARKS
MW-47	3/31/05	9:00	C		S	2	1	X	5191
MW-49	3/31/05	12:00	C		S	2	1	X	5192

QC Deliverables
__ None
__ Level 2 (Batch QC)
__ Level 3
__ Level 4
Other: _____

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

	Date	Time	Received By	Date	Time
Relinquished By: Josh McFadden	4/11/05	15:00			
Relinquished By:					
Relinquished By:			Received By:	Date: 4/12/05	Time: 5:30

TestAmerica
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4/14/05

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: CLOUDS CHEVRON
Project Number: 04-12-009.
Laboratory Project Number: 412413.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Sample Identification	Lab Number	Collection Date
MW-47	05-A51191	3/31/05
MW-49	05-A51192	3/31/05

A2LA certification number 0453.07 for analysis of wastewater and solid/hazardous waste.
NELAC/Florida certification number E87358 for analysis of environmental water, soil/hazardous waste, and drinking water effective 07/01/99-06/30/05.

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
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Report Approved By: Roxanne L. Connor Report Date: 4/14/05

Johnny A. Mitchell, Laboratory Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Senior Project Manager
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Senior Project Manager
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Senior Project Manag

Laboratory Certification Number: 84009

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 04-12-009
Project Name: CLOUDS CHEVRON
Sampler: JOSH KETCHUM

Lab Number: 05-A51191
Sample ID: MW-47
Sample Type: Soil
Site ID:

Date Collected: 3/31/05
Time Collected: 9:00
Date Received: 4/12/05
Time Received: 8:30
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	mg/kg	0.0018	1.0	4/13/05	16:07	J. Adams	8260B	8867
Ethylbenzene	ND	mg/kg	0.0018	1.0	4/13/05	16:07	J. Adams	8260B	8867
Naphthalene	ND	mg/kg	0.00443	1.0	4/13/05	16:07	J. Adams	8260B	8867
Toluene	ND	mg/kg	0.0018	1.0	4/13/05	16:07	J. Adams	8260B	8867
Xylenes (Total)	ND	mg/kg	0.0018	1.0	4/13/05	16:07	J. Adams	8260B	8867

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	5.64 g	5.0 ml	3/31/05	9:00	N. Noman	5035

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCAd4	82.	72. - 125.
VOA Surr Toluene-d8	91.	80. - 124.
VOA Surr, 4-BFB	87.	25. - 185.
VOA Surr, DBFM	91.	73. - 124.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A51191
Sample ID: MW-47
Project: 04-12-009

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 04-12-009
Project Name: CLOUDS CHEVRON
Sampler: JOSH KETCHUM

Lab Number: 05-A51192
Sample ID: MW-49
Sample Type: Soil
Site ID:

Date Collected: 3/31/05
Time Collected: 12:00
Date Received: 4/12/05
Time Received: 8:30

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	mg/kg	0.0017	1.0	4/13/05	20:38	J. Yun	8260B	8725
Ethylbenzene	ND	mg/kg	0.0017	1.0	4/13/05	20:38	J. Yun	8260B	8725
Naphthalene	ND	mg/kg	0.00435	1.0	4/13/05	20:38	J. Yun	8260B	8725
Toluene	ND	mg/kg	0.0017	1.0	4/13/05	20:38	J. Yun	8260B	8725
Xylenes (Total)	ND	mg/kg	0.0017	1.0	4/13/05	20:38	J. Yun	8260B	8725

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	5.75 g	5.0 ml	3/31/05	12:00	N. Noman	5035

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCAd4	95.	72. - 125.
VOA Surr Toluene-d8	95.	80. - 124.
VOA Surr, 4-BFB	97.	25. - 185.
VOA Surr, DBFM	110.	73. - 124.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A51192
Sample ID: MW-49
Project: 04-12-009

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number: 04-12-009
Project Name: CLOUDS CHEVRON
Page: 1
Laboratory Receipt Date: 4/12/05

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA PARAMETERS								
Benzene	mg/kg	0.0027	0.0358	0.0500	66	53 - 136	8725	47967
Benzene	mg/kg	< 0.0008	0.0508	0.0500	102	53 - 136	8867	blank
Toluene	mg/kg	0.0054	0.0284	0.0500	46	43 - 139	8725	47967
Toluene	mg/kg	< 0.0005	0.0448	0.0500	90	43 - 139	8867	blank
VOA Surr, 1,2-DCAd4	% Rec				97	72 - 125	8725	
VOA Surr, 1,2-DCAd4	% Rec				81	72 - 125	8867	
VOA Surr Toluene-d8	% Rec				96	80 - 124	8725	
VOA Surr Toluene-d8	% Rec				82	80 - 124	8867	
VOA Surr, 4-BFB	% Rec				100	25 - 185	8725	
VOA Surr, 4-BFB	% Rec				86	25 - 185	8867	
VOA Surr, DBFM	% Rec				106	73 - 124	8725	
VOA Surr, DBFM	% Rec				92	73 - 124	8867	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/kg	0.0358	0.0294	19.63	34.	8725
Benzene	mg/kg	0.0508	0.0514	1.17	34.	8867
Toluene	mg/kg	0.0284	0.0242	15.97	39.	8725
Toluene	mg/kg	0.0448	0.0431	3.87	39.	8867

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 04-12-009
Project Name: CLOUDS CHEVRON

Laboratory Receipt Date: 4/12/05

VOA Surr, 1,2-DCAd4	% Rec	101.	8725
VOA Surr, 1,2-DCAd4	% Rec	79.	8867
VOA Surr Toluene-d8	% Rec	96.	8725
VOA Surr Toluene-d8	% Rec	81.	8867
VOA Surr, 4-BFB	% Rec	120.	8725
VOA Surr, 4-BFB	% Rec	85.	8867
VOA Surr, DBFM	% Rec	113.	8725
VOA Surr, DBFM	% Rec	94.	8867

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/kg	0.0500	0.0460	92	76 - 124	8725
Benzene	mg/kg	0.0500	0.0544	109	76 - 124	8867
Ethylbenzene	mg/kg	0.0500	0.0442	88	70 - 128	8725
Ethylbenzene	mg/kg	0.0500	0.0529	106	70 - 128	8867
Naphthalene	mg/kg	0.0500	0.0477	95	59 - 152	8725
Naphthalene	mg/kg	0.0500	0.0530	106	59 - 152	8867
Toluene	mg/kg	0.0500	0.0411	82	72 - 125	8725
Toluene	mg/kg	0.0500	0.0511	102	72 - 125	8867
Xylenes (Total)	mg/kg	0.150	0.126	84	71 - 129	8725
Xylenes (Total)	mg/kg	0.150	0.159	106	71 - 129	8867
VOA Surr, 1,2-DCAd4	% Rec			96	72 - 125	8725
VOA Surr, 1,2-DCAd4	% Rec			81	72 - 125	8867
VOA Surr Toluene-d8	% Rec			95	80 - 124	8725
VOA Surr Toluene-d8	% Rec			94	80 - 124	8867
VOA Surr, 4-BFB	% Rec			99	25 - 185	8725
VOA Surr, 4-BFB	% Rec			86	25 - 185	8867
VOA Surr, DBFM	% Rec			109	73 - 124	8725
VOA Surr, DBFM	% Rec			89	73 - 124	8867

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 04-12-009
Project Name: CLOUDS CHEVRON

Laboratory Receipt Date: 4/12/05

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Benzene	< 0.0008	mg/kg	8725	4/13/05	13:04
Benzene	< 0.0008	mg/kg	8867	4/13/05	13:51
Ethylbenzene	< 0.0005	mg/kg	8725	4/13/05	13:04
Ethylbenzene	< 0.0005	mg/kg	8867	4/13/05	13:51
Naphthalene	< 0.00130	mg/kg	8725	4/13/05	13:04
Naphthalene	< 0.00130	mg/kg	8867	4/13/05	13:51
Toluene	< 0.0005	mg/kg	8725	4/13/05	13:04
Toluene	< 0.0005	mg/kg	8867	4/13/05	13:51
Xylenes (Total)	< 0.0013	mg/kg	8725	4/13/05	13:04
Xylenes (Total)	< 0.0013	mg/kg	8867	4/13/05	13:51
VOA Surr, 1,2-DCAd4	94.	% Rec	8725	4/13/05	13:04
VOA Surr, 1,2-DCAd4	76.	% Rec	8867	4/13/05	13:51
VOA Surr Toluene-d8	97.	% Rec	8725	4/13/05	13:04
VOA Surr Toluene-d8	89.	% Rec	8867	4/13/05	13:51
VOA Surr, 4-BFB	98.	% Rec	8725	4/13/05	13:04
VOA Surr, 4-BFB	85.	% Rec	8867	4/13/05	13:51
VOA Surr, DBFM	106.	% Rec	8725	4/13/05	13:04
VOA Surr, DBFM	82.	% Rec	8867	4/13/05	13:51

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 04-12-009
Project Name: CLOUDS CHEVRON
Page: 4
Laboratory Receipt Date: 4/12/05

= Value outside Laboratory historical or method prescribed QC limits.

TestAmerica INCORPORATED

TESTAMERICA, INC.
ATLANTA SERVICE CENTER

412408

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: CONSULTECH ENV Client #: 2628
Address: 1800 MACLEOD DR SUITE F
City/State/Zip Code: LAWRENCEVILLE, GA 30043
Project Manager: JIM WILSON
Telephone Number: (678) 377-0400 Fax: (678) 377-0051
Sampler Name: (Print Name) JOSH KETCHUM
Sampler Signature: Josh Ketchum

Project Name: HANDY PANTRY #65
Project #: 04-12-008
Site/Location ID: COLUMBIA State: SC
Report To: JIM WILSON
Invoice To:
Quote #: PO#:

TAT ✓ Standard
___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y N

QC Deliverables
___ None
___ Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: _____

SAMPLE ID	Date Sampled	Time Sampled	C = Grab, C = Composite	Field Filtered	Matrix: St - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: BTEX/NAPH 8260B									REMARKS
MW-28	3/31/05	14:00	C		S				2	1			X									51181
MW-33	3/30/05	11:00	C		S																	82
MW-32	3/30/05	13:00	C		S																	83
MW-35	3/30/05	15:00	C		S																	84
MW-36	3/30/05	17:00	C		S																	85
MW-34	4/1/05	13:00	C		S																	86
MW-37	4/1/05	15:00	C		S																	87
MW-38	4/4/05	9:00	C		S																	88
MW-39	4/4/05	13:00	C		S																	89
MW-41	4/4/05	11:00	C		S																	90

Special Instructions:

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	4/11/05	15:00			
			[signature]	4/12/05	8:30

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

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4/14/05

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: HANDY PANTRY#65
Project Number: 04-12-008.
Laboratory Project Number: 412408.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Sample Identification	Lab Number	Collection Date
MW-28	05-A51181	3/31/05
MW-33	05-A51182	3/30/05
MW-32	05-A51183	3/30/05
MW-35	05-A51184	3/30/05
MW-36	05-A51185	3/30/05
MW-34	05-A51186	4/ 1/05
MW-37	05-A51187	4/ 1/05
MW-38	05-A51188	4/ 4/05
MW-39	05-A51189	4/ 4/05
MW-41	05-A51190	4/ 4/05

A2LA certification number 0453.07 for analysis of wastewater and solid/hazardous waste.
NELAC/Florida certification number E87358 for analysis of environmental water, soil/hazardous waste, and drinking water effective 07/01/99-06/30/05.

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
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Report Approved By: _____ Report Date: 4/14/05

Johnny A. Mitchell, Laboratory Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Senior Project Manager
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Senior Project Manager
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Senior Project Manag

Laboratory Certification Number: 84009

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 04-12-008
Project Name: HANDY PANTRY#65
Sampler: JOSH KETCHUM

Lab Number: 05-A51181
Sample ID: MW-28
Sample Type: Soil
Site ID:

Date Collected: 3/31/05
Time Collected: 14:00
Date Received: 4/12/05
Time Received: 8:30

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	mg/kg	0.0015	1.0	4/13/05	14:10	J. Adams	8260B	8867
Ethylbenzene	ND	mg/kg	0.0015	1.0	4/13/05	14:10	J. Adams	8260B	8867
Naphthalene	ND	mg/kg	0.00377	1.0	4/13/05	14:10	J. Adams	8260B	8867
Toluene	ND	mg/kg	0.0015	1.0	4/13/05	14:10	J. Adams	8260B	8867
Xylenes (Total)	ND	mg/kg	0.0015	1.0	4/13/05	14:10	J. Adams	8260B	8867

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	6.64 g	5.0 ml	3/31/05	14:00	N. Noman	5035

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCAd4	76.	72. - 125.
VOA Surr Toluene-d8	85.	80. - 124.
VOA Surr, 4-BFB	87.	25. - 185.
VOA Surr, DBFM	86.	73. - 124.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A51181
Sample ID: MW-28
Project: 04-12-008

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 04-12-008
Project Name: HANDY PANTRY#65
Sampler: JOSH KETCHUM

Lab Number: 05-A51182
Sample ID: MW-33
Sample Type: Soil
Site ID:

Date Collected: 3/30/05
Time Collected: 11:00
Date Received: 4/12/05
Time Received: 8:30

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	0.818	mg/kg	0.0768	50.0	4/13/05	2:01	J. Adams	8260B	8086
Ethylbenzene	0.292	mg/kg	0.0768	50.0	4/13/05	2:01	J. Adams	8260B	8086
Naphthalene	ND	mg/kg	0.192	50.0	4/13/05	2:01	J. Adams	8260B	8086
Toluene	2.40	mg/kg	0.0768	50.0	4/13/05	2:01	J. Adams	8260B	8086
Xylenes (Total)	1.45	mg/kg	0.0768	50.0	4/13/05	2:01	J. Adams	8260B	8086

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	6.51 g	5.0 ml	3/30/05	11:00	N. Noman	5035

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCAd4	73.	72. - 125.
VOA Surr Toluene-d8	92.	80. - 124.
VOA Surr, 4-BFB	92.	25. - 185.
VOA Surr, DBFM	87.	73. - 124.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A51182
Sample ID: MW-33
Project: 04-12-008

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.
8260 PQL's elevated due to sample matrix.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 04-12-008
Project Name: HANDY PANTRY#65
Sampler: JOSH KETCHUM

Lab Number: 05-A51183
Sample ID: MW-32
Sample Type: Soil
Site ID:

Date Collected: 3/30/05
Time Collected: 13:00
Date Received: 4/12/05
Time Received: 8:30
Page: 1

Analyte	Result		Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Benzene	0.0169		mg/kg	0.0018	1.0	4/13/05	14:30	J. Adams	8260B	8867
Ethylbenzene	0.553	E	mg/kg	0.0018	1.0	4/13/05	14:30	J. Adams	8260B	8867
Naphthalene	0.876	E	mg/kg	0.00440	1.0	4/13/05	14:30	J. Adams	8260B	8867
Toluene	0.331	E	mg/kg	0.0018	1.0	4/13/05	14:30	J. Adams	8260B	8867
Xylenes (Total)	1.92	E	mg/kg	0.0018	1.0	4/13/05	14:30	J. Adams	8260B	8867

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	5.68 g	5.0 ml	3/30/05	13:00	N. Noman	5035

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCAd4	70. #	72. - 125.
VOA Surr Toluene-d8	176. #	80. - 124.
VOA Surr, 4-BFB	140.	25. - 185.
VOA Surr, DBFM	81.	73. - 124.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A51183
Sample ID: MW-32
Project: 04-12-008

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.
8260 surrogates outside QC range due to sample matrix.
Toluene, Ethylbenene, Xylenes, and Naphthalene by 8260 should be considered estimated values above calibration range. Dilutions did not agree with original analysis.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 04-12-008
Project Name: HANDY PANTRY#65
Sampler: JOSH KETCHUM

Lab Number: 05-A51184
Sample ID: MW-35
Sample Type: Soil
Site ID:

Date Collected: 3/30/05
Time Collected: 15:00
Date Received: 4/12/05
Time Received: 8:30
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	0.0315	mg/kg	0.0016	1.0	4/13/05	16:46	J. Adams	8260B	8867
Ethylbenzene	0.0575	mg/kg	0.0016	1.0	4/13/05	16:46	J. Adams	8260B	8867
Naphthalene	0.0152	mg/kg	0.00401	1.0	4/13/05	16:46	J. Adams	8260B	8867
Toluene	0.0811	mg/kg	0.0016	1.0	4/13/05	16:46	J. Adams	8260B	8867
Xylenes (Total)	0.144	mg/kg	0.0016	1.0	4/13/05	16:46	J. Adams	8260B	8867

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	6.23 g	5.0 ml	3/30/05	15:00	N. Noman	5035

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCAd4	78.	72. - 125.
VOA Surr Toluene-d8	90.	80. - 124.
VOA Surr, 4-BFB	84.	25. - 185.
VOA Surr, DBFM	91.	73. - 124.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A51184
Sample ID: MW-35
Project: 04-12-008

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 04-12-008
Project Name: HANDY PANTRY#65
Sampler: JOSH KETCHUM

Lab Number: 05-A51185
Sample ID: MW-36
Sample Type: Soil
Site ID:

Date Collected: 3/30/05
Time Collected: 17:00
Date Received: 4/12/05
Time Received: 8:30
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	0.0198	mg/kg	0.0019	1.0	4/13/05	18:32	J. Yun	8260B	8725
Ethylbenzene	0.0245	mg/kg	0.0019	1.0	4/13/05	18:32	J. Yun	8260B	8725
Naphthalene	0.0117	mg/kg	0.00465	1.0	4/13/05	18:32	J. Yun	8260B	8725
Toluene	0.0527	mg/kg	0.0019	1.0	4/13/05	18:32	J. Yun	8260B	8725
Xylenes (Total)	0.0998	mg/kg	0.0019	1.0	4/13/05	18:32	J. Yun	8260B	8725

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	5.38 g	5.0 ml	3/30/05	17:00	N. Noman	5035

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCAd4	99.	72. - 125.
VOA Surr Toluene-d8	95.	80. - 124.
VOA Surr, 4-BFB	100.	25. - 185.
VOA Surr, DBFM	107.	73. - 124.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A51185
Sample ID: MW-36
Project: 04-12-008

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 04-12-008
Project Name: HANDY PANTRY#65
Sampler: JOSH KETCHUM

Lab Number: 05-A51186
Sample ID: MW-34
Sample Type: Soil
Site ID:

Date Collected: 4/ 1/05
Time Collected: 13:00
Date Received: 4/12/05
Time Received: 8:30
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	mg/kg	0.0740	50.0	4/13/05	21:38	J. Adams	8260B	8870
Ethylbenzene	0.174	mg/kg	0.0740	50.0	4/13/05	21:38	J. Adams	8260B	8870
Naphthalene	ND	mg/kg	0.185	50.0	4/13/05	21:38	J. Adams	8260B	8870
Toluene	0.466	mg/kg	0.0740	50.0	4/13/05	21:38	J. Adams	8260B	8870
Xylenes (Total)	0.954	mg/kg	0.0740	50.0	4/13/05	21:38	J. Adams	8260B	8870

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	6.76 g	5.0 ml	4/ 1/05	13:00	N. Noman	5035

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCAd4	75.	72. - 125.
VOA Surr Toluene-d8	92.	80. - 124.
VOA Surr, 4-BFB	85.	25. - 185.
VOA Surr, DBFM	87.	73. - 124.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A51186
Sample ID: MW-34
Project: 04-12-008

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 04-12-008
Project Name: HANDY PANTRY#65
Sampler: JOSH KETCHUM

Lab Number: 05-A51187
Sample ID: MW-37
Sample Type: Soil
Site ID:

Date Collected: 4/ 1/05
Time Collected: 15:00
Date Received: 4/12/05
Time Received: 8:30
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	0.100	mg/kg	0.0023	1.0	4/13/05	21:08	J. Yun	8260B	8725
Ethylbenzene	0.0722	mg/kg	0.0023	1.0	4/13/05	21:08	J. Yun	8260B	8725
Naphthalene	0.0347	mg/kg	0.00566	1.0	4/13/05	21:08	J. Yun	8260B	8725
Toluene	0.0661	mg/kg	0.0023	1.0	4/13/05	21:08	J. Yun	8260B	8725
Xylenes (Total)	0.111	mg/kg	0.0023	1.0	4/13/05	21:08	J. Yun	8260B	8725

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	4.42 g	5.0 ml	4/ 1/05	15:00	N. Noman	5035

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCAd4	106.	72. - 125.
VOA Surr Toluene-d8	93.	80. - 124.
VOA Surr, 4-BFB	97.	25. - 185.
VOA Surr, DBFM	102.	73. - 124.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A51187
Sample ID: MW-37
Project: 04-12-008

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
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All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 04-12-008
Project Name: HANDY PANTRY#65
Sampler: JOSH KETCHUM

Lab Number: 05-A51188
Sample ID: MW-38
Sample Type: Soil
Site ID:

Date Collected: 4/ 4/05
Time Collected: 9:00
Date Received: 4/12/05
Time Received: 8:30
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	mg/kg	0.0019	1.0	4/13/05	19:00	J. Yun	8260B	8725
Ethylbenzene	ND	mg/kg	0.0019	1.0	4/13/05	19:00	J. Yun	8260B	8725
Naphthalene	ND	mg/kg	0.00471	1.0	4/13/05	19:00	J. Yun	8260B	8725
Toluene	ND	mg/kg	0.0019	1.0	4/13/05	19:00	J. Yun	8260B	8725
Xylenes (Total)	ND	mg/kg	0.0019	1.0	4/13/05	19:00	J. Yun	8260B	8725

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	5.31 g	5.0 ml	4/ 4/05	9:00	N. Noman	5035

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCAd4	103.	72. - 125.
VOA Surr Toluene-d8	93.	80. - 124.
VOA Surr, 4-BFB	92.	25. - 185.
VOA Surr, DBFM	101.	73. - 124.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A51188
Sample ID: MW-38
Project: 04-12-008

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
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All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 04-12-008
Project Name: HANDY PANTRY#65
Sampler: JOSH KETCHUM

Lab Number: 05-A51189
Sample ID: MW-39
Sample Type: Soil
Site ID:

Date Collected: 4/ 4/05
Time Collected: 13:00
Date Received: 4/12/05
Time Received: 8:30
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	mg/kg	0.0021	1.0	4/13/05	20:12	J. Yun	8260B	8725
Ethylbenzene	ND	mg/kg	0.0021	1.0	4/13/05	20:12	J. Yun	8260B	8725
Naphthalene	0.0103	mg/kg	0.00523	1.0	4/13/05	20:12	J. Yun	8260B	8725
Toluene	0.0055	mg/kg	0.0021	1.0	4/13/05	20:12	J. Yun	8260B	8725
Xylenes (Total)	0.0050	mg/kg	0.0021	1.0	4/13/05	20:12	J. Yun	8260B	8725

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	4.78 g	5.0 ml	4/ 4/05	13:00	N. Noman	5035

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCAd4	96.	72. - 125.
VOA Surr Toluene-d8	93.	80. - 124.
VOA Surr, 4-BFB	93.	25. - 185.
VOA Surr, DBFM	103.	73. - 124.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A51189
Sample ID: MW-39
Project: 04-12-008

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: 04-12-008
Project Name: HANDY PANTRY#65
Sampler: JOSH KETCHUM

Lab Number: 05-A51190
Sample ID: MW-41
Sample Type: Soil
Site ID:

Date Collected: 4/ 4/05
Time Collected: 11:00
Date Received: 4/12/05
Time Received: 8:30
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	0.121	mg/kg	0.0015	1.0	4/13/05	17:25	J. Adams	8260B	8867
Ethylbenzene	0.172	mg/kg	0.0733	50.0	4/13/05	21:57	J. Adams	8260B	8870
Naphthalene	0.0728	mg/kg	0.00367	1.0	4/13/05	17:25	J. Adams	8260B	8867
Toluene	0.660	mg/kg	0.0733	50.0	4/13/05	21:57	J. Adams	8260B	8870
Xylenes (Total)	0.693	mg/kg	0.0733	50.0	4/13/05	21:57	J. Adams	8260B	8870

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	6.82 g	5.0 ml	4/ 4/05	11:00	N. Noman	5035

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCAd4	76.	72. - 125.
VOA Surr Toluene-d8	87.	80. - 124.
VOA Surr, 4-BFB	86.	25. - 185.
VOA Surr, DBFM	89.	73. - 124.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A51190
Sample ID: MW-41
Project: 04-12-008

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number: 04-12-008
Project Name: HANDY PANTRY#65
Page: 1
Laboratory Receipt Date: 4/12/05

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA PARAMETERS								
Benzene	mg/kg	< 0.0008	0.0482	0.0500	96	53 - 136	8086	blank
Benzene	mg/kg	0.0027	0.0358	0.0500	66	53 - 136	8725	47967
Benzene	mg/kg	< 0.0008	0.0508	0.0500	102	53 - 136	8867	blank
Toluene	mg/kg	< 0.0005	0.0356	0.0500	71	43 - 139	8086	blank
Toluene	mg/kg	0.0054	0.0284	0.0500	46	43 - 139	8725	47967
Toluene	mg/kg	< 0.0005	0.0448	0.0500	90	43 - 139	8867	blank
VOA Surr, 1,2-DCAd4	% Rec				79	72 - 125	8086	
VOA Surr, 1,2-DCAd4	% Rec				97	72 - 125	8725	
VOA Surr, 1,2-DCAd4	% Rec				81	72 - 125	8867	
VOA Surr Toluene-d8	% Rec				82	80 - 124	8086	
VOA Surr Toluene-d8	% Rec				96	80 - 124	8725	
VOA Surr Toluene-d8	% Rec				82	80 - 124	8867	
VOA Surr, 4-BFB	% Rec				89	25 - 185	8086	
VOA Surr, 4-BFB	% Rec				100	25 - 185	8725	
VOA Surr, 4-BFB	% Rec				86	25 - 185	8867	
VOA Surr, DBFM	% Rec				89	73 - 124	8086	
VOA Surr, DBFM	% Rec				106	73 - 124	8725	
VOA Surr, DBFM	% Rec				92	73 - 124	8867	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 04-12-008
Project Name: HANDY PANTRY#65
Page: 2
Laboratory Receipt Date: 4/12/05

VOA PARAMETERS						
Benzene	mg/kg	0.0482	0.0505	4.66	34.	8086
Benzene	mg/kg	0.0358	0.0294	19.63	34.	8725
Benzene	mg/kg	0.0508	0.0514	1.17	34.	8867
Toluene	mg/kg	0.0356	0.0455	24.41	39.	8086
Toluene	mg/kg	0.0284	0.0242	15.97	39.	8725
Toluene	mg/kg	0.0448	0.0431	3.87	39.	8867
VOA Surr, 1,2-DCAd4	% Rec		83.			8086
VOA Surr, 1,2-DCAd4	% Rec		101.			8725
VOA Surr, 1,2-DCAd4	% Rec		79.			8867
VOA Surr Toluene-d8	% Rec		90.			8086
VOA Surr Toluene-d8	% Rec		96.			8725
VOA Surr Toluene-d8	% Rec		81.			8867
VOA Surr, 4-BFB	% Rec		84.			8086
VOA Surr, 4-BFB	% Rec		120.			8725
VOA Surr, 4-BFB	% Rec		85.			8867
VOA Surr, DBFM	% Rec		93.			8086
VOA Surr, DBFM	% Rec		113.			8725
VOA Surr, DBFM	% Rec		94.			8867

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/kg	0.0500	0.0470	94	76 - 124	8086
Benzene	mg/kg	0.0500	0.0460	92	76 - 124	8725
Benzene	mg/kg	0.0500	0.0544	109	76 - 124	8867
Ethylbenzene	mg/kg	0.0500	0.0504	101	70 - 128	8086
Ethylbenzene	mg/kg	0.0500	0.0442	88	70 - 128	8725
Ethylbenzene	mg/kg	0.0500	0.0529	106	70 - 128	8867
Naphthalene	mg/kg	0.0500	0.0580	116	59 - 152	8086
Naphthalene	mg/kg	0.0500	0.0477	95	59 - 152	8725

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 04-12-008
Project Name: HANDY PANTRY#65
Page: 3
Laboratory Receipt Date: 4/12/05

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Naphthalene	mg/kg	0.0500	0.0530	106	59 - 152	8867
Toluene	mg/kg	0.0500	0.0484	97	72 - 125	8086
Toluene	mg/kg	0.0500	0.0411	82	72 - 125	8725
Toluene	mg/kg	0.0500	0.0511	102	72 - 125	8867
Xylenes (Total)	mg/kg	0.150	0.152	101	71 - 129	8086
Xylenes (Total)	mg/kg	0.150	0.126	84	71 - 129	8725
Xylenes (Total)	mg/kg	0.150	0.159	106	71 - 129	8867
VOA Surr, 1,2-DCAd4	% Rec			75	72 - 125	8086
VOA Surr, 1,2-DCAd4	% Rec			96	72 - 125	8725
VOA Surr, 1,2-DCAd4	% Rec			81	72 - 125	8867
VOA Surr Toluene-d8	% Rec			91	80 - 124	8086
VOA Surr Toluene-d8	% Rec			95	80 - 124	8725
VOA Surr Toluene-d8	% Rec			94	80 - 124	8867
VOA Surr, 4-BFB	% Rec			84	25 - 185	8086
VOA Surr, 4-BFB	% Rec			99	25 - 185	8725
VOA Surr, 4-BFB	% Rec			86	25 - 185	8867
VOA Surr, DBFM	% Rec			85	73 - 124	8086
VOA Surr, DBFM	% Rec			109	73 - 124	8725
VOA Surr, DBFM	% Rec			89	73 - 124	8867

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 04-12-008
Project Name: HANDY PANTRY#65

Laboratory Receipt Date: 4/12/05

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Benzene	< 0.0008	mg/kg	8086	4/12/05	19:09
Benzene	< 0.0008	mg/kg	8725	4/13/05	13:04
Benzene	< 0.0008	mg/kg	8867	4/13/05	13:51
Ethylbenzene	< 0.0005	mg/kg	8086	4/12/05	19:09
Ethylbenzene	< 0.0005	mg/kg	8725	4/13/05	13:04
Ethylbenzene	< 0.0005	mg/kg	8867	4/13/05	13:51
Naphthalene	< 0.00130	mg/kg	8086	4/12/05	19:09
Naphthalene	< 0.00130	mg/kg	8725	4/13/05	13:04
Naphthalene	< 0.00130	mg/kg	8867	4/13/05	13:51
Toluene	< 0.0005	mg/kg	8086	4/12/05	19:09
Toluene	< 0.0005	mg/kg	8725	4/13/05	13:04
Toluene	< 0.0005	mg/kg	8867	4/13/05	13:51
Xylenes (Total)	< 0.0013	mg/kg	8086	4/12/05	19:09
Xylenes (Total)	< 0.0013	mg/kg	8725	4/13/05	13:04
Xylenes (Total)	< 0.0013	mg/kg	8867	4/13/05	13:51
VOA Surr, 1,2-DCAd4	88.	% Rec	8086	4/12/05	19:09
VOA Surr, 1,2-DCAd4	94.	% Rec	8725	4/13/05	13:04
VOA Surr, 1,2-DCAd4	76.	% Rec	8867	4/13/05	13:51
VOA Surr Toluene-d8	94.	% Rec	8086	4/12/05	19:09
VOA Surr Toluene-d8	97.	% Rec	8725	4/13/05	13:04
VOA Surr Toluene-d8	89.	% Rec	8867	4/13/05	13:51
VOA Surr, 4-BFB	87.	% Rec	8086	4/12/05	19:09
VOA Surr, 4-BFB	98.	% Rec	8725	4/13/05	13:04
VOA Surr, 4-BFB	85.	% Rec	8867	4/13/05	13:51
VOA Surr, DBFM	92.	% Rec	8086	4/12/05	19:09
VOA Surr, DBFM	106.	% Rec	8725	4/13/05	13:04
VOA Surr, DBFM	82.	% Rec	8867	4/13/05	13:51

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 04-12-008
Project Name: HANDY PANTRY#65
Page: 5
Laboratory Receipt Date: 4/12/05

= Value outside Laboratory historical or method prescribed QC limits.

413519

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To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Consultech Environmental Client #: 2628
Address: 1900 MacLeod Dr. Suite F
City/State/Zip Code: Lawrenceville, GA 30043
Project Manager: Jim Wilson
Telephone Number: 678 377 0405 Fax: 678 377 0051
Sampler Name: (Print Name) Bob Robinson
Sampler Signature:

Project Name: ~~Handy Pantry #65~~ Former Clouds Cleaners
Project #: C-04-12-009
Site/Location ID: Columbia State: SC
Report To: Jim Wilson
Invoice To:
Quote #: PO#:

TAT
X Standard
___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y N

QC Deliverables
___ None
___ Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: _____

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: BTEX, MTBE, NAP 1,2 DCA 8260B	EDB 8011	8 Oxygenates 8260B	Total Lead	REMARKS
MW-1	4/19/05	1545	G	N	GW	1	4						3	2	2	1	05A 56063
MW-2		1600															64
MW-3		1615															65
MW-4		1630															66
MW-5		1645															67
MW-6		1700															68
MW-7		1715															69
MW-8		1730															70
MW-9		1745															71
MW-10		1800															56072

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

	Date:	Time:		Date:	Time:
Relinquished By:	4/20/05	1730	Received By:		
Relinquished By:			Received By:		
Relinquished By:			Received By:	4.21.05	07:45

413519

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To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring ____

Client Name: Consultech Environmental Client #: 2628
Address: 1800 Macleod Dr. Suite F
City/State/Zip Code: Lawrenceville, GA 30043
Project Manager: Jim Wilson
Telephone Number: 678 377-0400 Fax: 678 377-0051
Sampler Name: (Print Name) Rob Robinson
Sampler Signature:

Project Name: Former Clouds Chevron
Project #: C-04-12-009
Site/Location ID: Columbia State: SC
Report To: Jim Wilson
Invoice To:
Quote #: PO#:

TAT
X Standard
___ Rush (surcharges may apply)
Date Needed: ____
Fax Results: Y N

QC Deliverables
___ None
___ Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: ____

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: BTEX, MBE, NAP, 1,2 DCA 8260B	2 EDB 8011	2 Oxygenates 8260B	Total Lead	REMARKS
MW-15	4/20/05	830	G	No	GW	1	7						3	2	2	1	56073
DW1	↓	1400	↓	↓	↓	1	7						3	2	2	1	74
DW2	↓	1415	↓	↓	↓	1	7						3	2	2	1	56075

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

	Date:	Time:		Date:	Time:
Relinquished By:	4/20/05	1730	Received By:		
Relinquished By:			Received By:		
Relinquished By:			Received By:	4-21-05	07:45

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4/28/05

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: FORMER CLOUDS CHEVRON
Project Number: C-04-12-009.
Laboratory Project Number: 413519.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Sample Identification	Lab Number	Collection Date
MW-1	05-A56063	4/19/05
MW-2	05-A56064	4/19/05
MW-3	05-A56065	4/19/05
MW-4	05-A56066	4/19/05
MW-5	05-A56067	4/19/05
MW-6	05-A56068	4/19/05
MW-7	05-A56069	4/19/05
MW-8	05-A56070	4/19/05
MW-9	05-A56071	4/19/05
MW-10	05-A56072	4/19/05
MW-15	05-A56073	4/20/05
DW-1	05-A56074	4/20/05
DW-2	05-A56075	4/20/05

A2LA certification number 0453.07 for analysis of wastewater and solid/hazardous waste.

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Sample Identification	Lab Number	Collection Date

NELAC/Florida certification number E87358 for analysis of environmental water, soil/hazardous waste, and drinking water effective 07/01/99-06/30/05.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: _____ Report Date: 4/28/05

Johnny A. Mitchell, Laboratory Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Senior Project Manager
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Senior Project Manager
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Senior Project Manag

Laboratory Certification Number: 84009

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: BOB ROBINSON

Lab Number: 05-A56063
Sample ID: MW-1
Sample Type: Ground water
Site ID:

Date Collected: 4/19/05
Time Collected: 15:45
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	1.0	1	4/22/05	14:57	S. Udeze	8260B	8935
tert-amyl methyl ether	ND	ug/L	1.0	1	4/22/05	14:57	S. Udeze	8260B	8935
Tertiary butyl alcohol	45.4	ug/l	10.0	1	4/22/05	14:57	S. Udeze	8260B	8935
Benzene	ND	ug/l	1.0	1	4/22/05	14:57	S. Udeze	8260B	8935
1,2-Dichloroethane	ND	ug/l	1.00	1	4/22/05	14:57	S. Udeze	8260B	8935
Ethylbenzene	ND	ug/l	1.0	1	4/22/05	14:57	S. Udeze	8260B	8935
Naphthalene	ND	ug/l	5.00	1	4/22/05	14:57	S. Udeze	8260B	8935
Toluene	ND	ug/l	1.0	1	4/22/05	14:57	S. Udeze	8260B	8935
Xylenes (Total)	ND	ug/l	1.0	1	4/22/05	14:57	S. Udeze	8260B	8935
Ethanol	ND	ug/L	100.	1	4/22/05	14:57	S. Udeze	8260B	8935
Methyl-t-butyl ether	ND	ug/l	1.0	1	4/22/05	14:57	S. Udeze	8260B	8935
t-Amyl Alcohol	56.4	ug/L	10.0	1	4/22/05	14:57	S. Udeze	8260B	8935
t-Butyl Formate	ND	ug/L	10.0	1	4/22/05	14:57	S. Udeze	8260B	8935
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1	4/22/05	14:57	S. Udeze	8260B	8935
Diisopropyl ether	ND	ug/l	5.00	1	4/22/05	14:57	S. Udeze	8260/SA05-77	8935
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1	4/28/05	9:42	M. Ricke	8011	5583
METALS									
Lead	ND	ug/l	5.0	1	4/22/05	16:50	K. Ahmed	6010B	5983

Surrogate	% Recovery	Target Range

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56063
Sample ID: MW-1
Project: C-04-12-009

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	108.	70. - 130.
VOA Surr Toluene-d8	105.	78. - 121.
VOA Surr, 4-BFB	103.	78. - 126.
VOA Surr, DBFM	104.	79. - 122.
Surr., 1,3-DCB	110.	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: BOB ROBINSON

Lab Number: 05-A56064
Sample ID: MW-2
Sample Type: Ground water
Site ID:

Date Collected: 4/19/05
Time Collected: 16:00
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	1.0	1	4/22/05	15:50	S. Udeze	8260B	8935
tert-amyl methyl ether	114.	ug/L	1.0	1	4/22/05	15:50	S. Udeze	8260B	8935
Tertiary butyl alcohol	1380	ug/l	10.0	1	4/22/05	15:50	S. Udeze	8260B	8935
Benzene	4230	ug/l	100.	100	4/23/05	14:46	S. Udeze	8260B	8966
1,2-Dichloroethane	ND	ug/l	1.00	1	4/22/05	15:50	S. Udeze	8260B	8935
Ethylbenzene	1250	ug/l	100.	100	4/23/05	14:46	S. Udeze	8260B	8966
Naphthalene	1410	ug/l	50.0	10	4/22/05	16:16	S. Udeze	8260B	8954
Toluene	9910	ug/l	100.	100	4/23/05	14:46	S. Udeze	8260B	8966
Xylenes (Total)	8540	ug/l	100.	100	4/23/05	14:46	S. Udeze	8260B	8966
Ethanol	ND	ug/L	100.	1	4/22/05	15:50	S. Udeze	8260B	8935
Methyl-t-butyl ether	4910	ug/l	100.	100	4/23/05	14:46	S. Udeze	8260B	8966
t-Amyl Alcohol	11000	ug/L	100.	10	4/22/05	16:16	S. Udeze	8260B	8954
t-Butyl Formate	ND	ug/L	10.0	1	4/22/05	15:50	S. Udeze	8260B	8935
Ethyl-t-butyl alcohol	1650	ug/L	100.	10	4/22/05	16:16	S. Udeze	8260B	8954
Diisopropyl ether	319.	ug/l	50.0	10	4/22/05	16:16	S. Udeze	8260/SA05-77	8954
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1	4/28/05	10:02	M. Ricke	8011	5583
METALS									
Lead	211.	ug/l	5.0	1	4/22/05	16:50	K. Ahmed	6010B	5983

Surrogate	% Recovery	Target Range

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56064
Sample ID: MW-2
Project: C-04-12-009

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	108.	70. - 130.
VOA Surr Toluene-d8	105.	78. - 121.
VOA Surr, 4-BFB	107.	78. - 126.
VOA Surr, DBFM	103.	79. - 122.
Surr., 1,3-DCB	86.0	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: BOB ROBINSON

Lab Number: 05-A56065
Sample ID: MW-3
Sample Type: Ground water
Site ID:

Date Collected: 4/19/05
Time Collected: 16:15
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	5.0	5	4/22/05	17:34	S. Udeze	8260B	8935
tert-amyl methyl ether	120.	ug/L	5.0	5	4/22/05	17:34	S. Udeze	8260B	8935
Tertiary butyl alcohol	1200	ug/l	50.0	5	4/22/05	17:34	S. Udeze	8260B	8935
Benzene	5620	ug/l	100.	100	4/23/05	15:14	S. Udeze	8260B	8966
1,2-Dichloroethane	ND	ug/l	5.00	5	4/22/05	17:34	S. Udeze	8260B	8935
Ethylbenzene	2940	ug/l	20.0	20	4/22/05	18:00	S. Udeze	8260B	8954
Naphthalene	910.	ug/l	25.0	5	4/22/05	17:34	S. Udeze	8260B	8935
Toluene	14200	ug/l	100.	100	4/23/05	15:14	S. Udeze	8260B	8966
Xylenes (Total)	7530	ug/l	100.	100	4/23/05	15:14	S. Udeze	8260B	8966
Ethanol	ND	ug/L	500.	5	4/22/05	17:34	S. Udeze	8260B	8935
Methyl-t-butyl ether	10900	ug/l	100.	100	4/23/05	15:14	S. Udeze	8260B	8966
t-Amyl Alcohol	15200	ug/L	200.	20	4/22/05	18:00	S. Udeze	8260B	8954
t-Butyl Formate	ND	ug/L	50.0	5	4/22/05	17:34	S. Udeze	8260B	8935
Ethyl-t-butyl alcohol	2490	ug/L	50.0	5	4/22/05	17:34	S. Udeze	8260B	8935
Diisopropyl ether	810.	ug/l	25.0	5	4/22/05	17:34	S. Udeze	8260/SA05-77	8935
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1	4/28/05	10:21	M. Ricke	8011	5583
METALS									
Lead	1050	ug/l	5.0	1	4/22/05	16:50	K. Ahmed	6010B	5983

Surrogate	% Recovery	Target Range

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56065
Sample ID: MW-3
Project: C-04-12-009

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	108.	70. - 130.
VOA Surr Toluene-d8	106.	78. - 121.
VOA Surr, 4-BFB	108.	78. - 126.
VOA Surr, DBFM	101.	79. - 122.
Surr., 1,3-DCB	110.	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
8260 PQL's elevated due to sample matrix.
Analysis at a lower dilution did not meet method QC requirements.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: BOB ROBINSON

Lab Number: 05-A56066
Sample ID: MW-4
Sample Type: Ground water
Site ID:

Date Collected: 4/19/05
Time Collected: 16:30
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	1.0	1	4/22/05	12:46	S. Udeze	8260B	8935
tert-amyl methyl ether	ND	ug/L	1.0	1	4/22/05	12:46	S. Udeze	8260B	8935
Tertiary butyl alcohol	ND	ug/l	10.0	1	4/22/05	12:46	S. Udeze	8260B	8935
Benzene	ND	ug/l	1.0	1	4/22/05	12:46	S. Udeze	8260B	8935
1,2-Dichloroethane	ND	ug/l	1.00	1	4/22/05	12:46	S. Udeze	8260B	8935
Ethylbenzene	ND	ug/l	1.0	1	4/22/05	12:46	S. Udeze	8260B	8935
Naphthalene	ND	ug/l	5.00	1	4/22/05	12:46	S. Udeze	8260B	8935
Toluene	ND	ug/l	1.0	1	4/22/05	12:46	S. Udeze	8260B	8935
Xylenes (Total)	ND	ug/l	1.0	1	4/22/05	12:46	S. Udeze	8260B	8935
Ethanol	ND	ug/L	100.	1	4/22/05	12:46	S. Udeze	8260B	8935
Methyl-t-butyl ether	2.6	ug/l	1.0	1	4/22/05	12:46	S. Udeze	8260B	8935
t-Amyl Alcohol	ND	ug/L	10.0	1	4/22/05	12:46	S. Udeze	8260B	8935
t-Butyl Formate	ND	ug/L	10.0	1	4/22/05	12:46	S. Udeze	8260B	8935
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1	4/22/05	12:46	S. Udeze	8260B	8935
Diisopropyl ether	ND	ug/l	5.00	1	4/22/05	12:46	S. Udeze	8260/SA05-77	8935
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1	4/26/05	18:36	M. Ricke	8011	6586
METALS									
Lead	ND	ug/l	5.0	1	4/22/05	16:50	K. Ahmed	6010B	5983

Surrogate	% Recovery	Target Range

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56066
Sample ID: MW-4
Project: C-04-12-009

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	104.	70. - 130.
VOA Surr Toluene-d8	102.	78. - 121.
VOA Surr, 4-BFB	104.	78. - 126.
VOA Surr, DBFM	101.	79. - 122.
Surr., 1,3-DCB	109.	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: BOB ROBINSON

Lab Number: 05-A56067
Sample ID: MW-5
Sample Type: Ground water
Site ID:

Date Collected: 4/19/05
Time Collected: 16:45
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	1.0	1	4/22/05	18:27	S. Udeze	8260B	8935
tert-amyl methyl ether	ND	ug/L	1.0	1	4/22/05	18:27	S. Udeze	8260B	8935
Tertiary butyl alcohol	ND	ug/l	10.0	1	4/22/05	18:27	S. Udeze	8260B	8935
Benzene	1140	ug/l	10.0	10	4/22/05	18:53	S. Udeze	8260B	8954
1,2-Dichloroethane	ND	ug/l	1.00	1	4/22/05	18:27	S. Udeze	8260B	8935
Ethylbenzene	1940	ug/l	50.0	50	4/23/05	15:40	S. Udeze	8260B	8966
Naphthalene	570.	ug/l	250.	50	4/23/05	15:40	S. Udeze	8260B	8966
Toluene	4790	ug/l	50.0	50	4/23/05	15:40	S. Udeze	8260B	8966
Xylenes (Total)	10400	ug/l	50.0	50	4/23/05	15:40	S. Udeze	8260B	8966
Ethanol	ND	ug/L	100.	1	4/22/05	18:27	S. Udeze	8260B	8935
Methyl-t-butyl ether	13.0	ug/l	1.0	1	4/22/05	18:27	S. Udeze	8260B	8935
t-Amyl Alcohol	920.	ug/L	10.0	1	4/22/05	18:27	S. Udeze	8260B	8935
t-Butyl Formate	ND	ug/L	10.0	1	4/22/05	18:27	S. Udeze	8260B	8935
Ethyl-t-butyl alcohol	558.	ug/L	10.0	1	4/22/05	18:27	S. Udeze	8260B	8935
Diisopropyl ether	ND	ug/l	5.00	1	4/22/05	18:27	S. Udeze	8260/SA05-77	8935
VOLATILE ORGANICS by GC									
Ethylene Dibromide	2.81	ug/l	0.39	20	4/26/05	18:55	M. Ricke	8011	6586
METALS									
Lead	289.	ug/l	5.0	1	4/22/05	16:50	K. Ahmed	6010B	5983

Surrogate	% Recovery	Target Range

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56067
Sample ID: MW-5
Project: C-04-12-009

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	108.	70. - 130.
VOA Surr Toluene-d8	107.	78. - 121.
VOA Surr, 4-BFB	107.	78. - 126.
VOA Surr, DBFM	102.	79. - 122.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
EDB 8011 surrogate diluted out due to sample matrix.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: BOB ROBINSON

Lab Number: 05-A56068
Sample ID: MW-6
Sample Type: Ground water
Site ID:

Date Collected: 4/19/05
Time Collected: 17:00
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	1.0	1	4/22/05	15:23	S. Udeze	8260B	8935
tert-amyl methyl ether	ND	ug/L	1.0	1	4/22/05	15:23	S. Udeze	8260B	8935
Tertiary butyl alcohol	38.5	ug/l	10.0	1	4/22/05	15:23	S. Udeze	8260B	8935
Benzene	16.1	ug/l	1.0	1	4/22/05	15:23	S. Udeze	8260B	8935
1,2-Dichloroethane	ND	ug/l	1.00	1	4/22/05	15:23	S. Udeze	8260B	8935
Ethylbenzene	ND	ug/l	1.0	1	4/22/05	15:23	S. Udeze	8260B	8935
Naphthalene	7.10	ug/l	5.00	1	4/22/05	15:23	S. Udeze	8260B	8935
Toluene	1.5	ug/l	1.0	1	4/22/05	15:23	S. Udeze	8260B	8935
Xylenes (Total)	119.	ug/l	1.0	1	4/22/05	15:23	S. Udeze	8260B	8935
Ethanol	ND	ug/L	100.	1	4/22/05	15:23	S. Udeze	8260B	8935
Methyl-t-butyl ether	ND	ug/l	1.0	1	4/22/05	15:23	S. Udeze	8260B	8935
t-Amyl Alcohol	391.	ug/L	10.0	1	4/22/05	15:23	S. Udeze	8260B	8935
t-Butyl Formate	ND	ug/L	10.0	1	4/22/05	15:23	S. Udeze	8260B	8935
Ethyl-t-butyl alcohol	104.	ug/L	10.0	1	4/22/05	15:23	S. Udeze	8260B	8935
Diisopropyl ether	ND	ug/l	5.00	1	4/22/05	15:23	S. Udeze	8260/SA05-77	8935
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1	4/26/05	21:51	M. Ricke	8011	6586
METALS									
Lead	5.6	ug/l	5.0	1	4/22/05	16:50	K. Ahmed	6010B	5983

Surrogate	% Recovery	Target Range

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56068
Sample ID: MW-6
Project: C-04-12-009

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	107.	70. - 130.
VOA Surr Toluene-d8	105.	78. - 121.
VOA Surr, 4-BFB	104.	78. - 126.
VOA Surr, DBFM	102.	79. - 122.
Surr., 1,3-DCB	106.	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: BOB ROBINSON

Lab Number: 05-A56069
Sample ID: MW-7
Sample Type: Ground water
Site ID:

Date Collected: 4/19/05
Time Collected: 17:15
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	1.0	1	4/22/05	13:12	S. Udeze	8260B	8935
tert-amyl methyl ether	ND	ug/L	1.0	1	4/22/05	13:12	S. Udeze	8260B	8935
Tertiary butyl alcohol	ND	ug/l	10.0	1	4/22/05	13:12	S. Udeze	8260B	8935
Benzene	ND	ug/l	1.0	1	4/22/05	13:12	S. Udeze	8260B	8935
1,2-Dichloroethane	ND	ug/l	1.00	1	4/22/05	13:12	S. Udeze	8260B	8935
Ethylbenzene	ND	ug/l	1.0	1	4/22/05	13:12	S. Udeze	8260B	8935
Naphthalene	ND	ug/l	5.00	1	4/22/05	13:12	S. Udeze	8260B	8935
Toluene	ND	ug/l	1.0	1	4/22/05	13:12	S. Udeze	8260B	8935
Xylenes (Total)	ND	ug/l	1.0	1	4/22/05	13:12	S. Udeze	8260B	8935
Ethanol	ND	ug/L	100.	1	4/22/05	13:12	S. Udeze	8260B	8935
Methyl-t-butyl ether	ND	ug/l	1.0	1	4/22/05	13:12	S. Udeze	8260B	8935
t-Amyl Alcohol	ND	ug/L	10.0	1	4/22/05	13:12	S. Udeze	8260B	8935
t-Butyl Formate	ND	ug/L	10.0	1	4/22/05	13:12	S. Udeze	8260B	8935
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1	4/22/05	13:12	S. Udeze	8260B	8935
Diisopropyl ether	ND	ug/l	5.00	1	4/22/05	13:12	S. Udeze	8260/SA05-77	8935
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1	4/26/05	19:34	M. Ricke	8011	6586
METALS									
Lead	8.6	ug/l	5.0	1	4/22/05	16:50	K. Ahmed	6010B	5983

Surrogate	% Recovery	Target Range

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56069
Sample ID: MW-7
Project: C-04-12-009

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	107.	70. - 130.
VOA Surr Toluene-d8	104.	78. - 121.
VOA Surr, 4-BFB	107.	78. - 126.
VOA Surr, DBFM	102.	79. - 122.
Surr., 1,3-DCB	89.0	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: BOB ROBINSON

Lab Number: 05-A56070
Sample ID: MW-8
Sample Type: Ground water
Site ID:

Date Collected: 4/19/05
Time Collected: 17:30
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	1.0	1	4/22/05	13:39	S. Udeze	8260B	8935
tert-amyl methyl ether	ND	ug/L	1.0	1	4/22/05	13:39	S. Udeze	8260B	8935
Tertiary butyl alcohol	ND	ug/l	10.0	1	4/22/05	13:39	S. Udeze	8260B	8935
Benzene	ND	ug/l	1.0	1	4/22/05	13:39	S. Udeze	8260B	8935
1,2-Dichloroethane	ND	ug/l	1.00	1	4/22/05	13:39	S. Udeze	8260B	8935
Ethylbenzene	ND	ug/l	1.0	1	4/22/05	13:39	S. Udeze	8260B	8935
Naphthalene	ND	ug/l	5.00	1	4/22/05	13:39	S. Udeze	8260B	8935
Toluene	ND	ug/l	1.0	1	4/22/05	13:39	S. Udeze	8260B	8935
Xylenes (Total)	ND	ug/l	1.0	1	4/22/05	13:39	S. Udeze	8260B	8935
Ethanol	ND	ug/L	100.	1	4/22/05	13:39	S. Udeze	8260B	8935
Methyl-t-butyl ether	ND	ug/l	1.0	1	4/22/05	13:39	S. Udeze	8260B	8935
t-Amyl Alcohol	ND	ug/L	10.0	1	4/22/05	13:39	S. Udeze	8260B	8935
t-Butyl Formate	ND	ug/L	10.0	1	4/22/05	13:39	S. Udeze	8260B	8935
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1	4/22/05	13:39	S. Udeze	8260B	8935
Diisopropyl ether	ND	ug/l	5.00	1	4/22/05	13:39	S. Udeze	8260/SA05-77	8935
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1	4/26/05	19:54	M. Ricke	8011	6586
METALS									
Lead	ND	ug/l	5.0	1	4/22/05	16:50	K. Ahmed	6010B	5983

Surrogate	% Recovery	Target Range

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56070
Sample ID: MW-8
Project: C-04-12-009

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	105.	70. - 130.
VOA Surr Toluene-d8	101.	78. - 121.
VOA Surr, 4-BFB	108.	78. - 126.
VOA Surr, DBFM	102.	79. - 122.
Surr., 1,3-DCB	111.	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: BOB ROBINSON

Lab Number: 05-A56071
Sample ID: MW-9
Sample Type: Ground water
Site ID:

Date Collected: 4/19/05
Time Collected: 17:45
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	1.0	1	4/22/05	19:19	S. Udeze	8260B	8935
tert-amyl methyl ether	17.3	ug/L	1.0	1	4/22/05	19:19	S. Udeze	8260B	8935
Tertiary butyl alcohol	130.	ug/l	10.0	1	4/22/05	19:19	S. Udeze	8260B	8935
Benzene	2280	ug/l	100.	100	4/23/05	16:10	S. Udeze	8260B	8966
1,2-Dichloroethane	ND	ug/l	1.00	1	4/22/05	19:19	S. Udeze	8260B	8935
Ethylbenzene	773.	ug/l	10.0	10	4/22/05	19:45	S. Udeze	8260B	8954
Naphthalene	900.	ug/l	500.	100	4/23/05	16:10	S. Udeze	8260B	8966
Toluene	9010	ug/l	100.	100	4/23/05	16:10	S. Udeze	8260B	8966
Xylenes (Total)	5230	ug/l	100.	100	4/23/05	16:10	S. Udeze	8260B	8966
Ethanol	ND	ug/L	100.	1	4/22/05	19:19	S. Udeze	8260B	8935
Methyl-t-butyl ether	34.3	ug/l	1.0	1	4/22/05	19:19	S. Udeze	8260B	8935
t-Amyl Alcohol	3950	ug/L	100.	10	4/22/05	19:45	S. Udeze	8260B	8954
t-Butyl Formate	ND	ug/L	10.0	1	4/22/05	19:19	S. Udeze	8260B	8935
Ethyl-t-butyl alcohol	463.	ug/L	10.0	1	4/22/05	19:19	S. Udeze	8260B	8935
Diisopropyl ether	120.	ug/l	5.00	1	4/22/05	19:19	S. Udeze	8260/SA05-77	8935
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1	4/26/05	20:33	M. Ricke	8011	6586
METALS									
Lead	29.0	ug/l	5.0	1	4/22/05	16:50	K. Ahmed	6010B	5983

Surrogate	% Recovery	Target Range

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56071
Sample ID: MW-9
Project: C-04-12-009

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	108.	70. - 130.
VOA Surr Toluene-d8	106.	78. - 121.
VOA Surr, 4-BFB	110.	78. - 126.
VOA Surr, DBFM	100.	79. - 122.
Surr., 1,3-DCB	100.	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: BOB ROBINSON

Lab Number: 05-A56072
Sample ID: MW-10
Sample Type: Ground water
Site ID:

Date Collected: 4/19/05
Time Collected: 18:00
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	20.0	20	4/27/05	6:32	S. Udeze	8260B	8972
tert-amyl methyl ether	300.	ug/L	20.0	20	4/27/05	6:32	S. Udeze	8260B	8972
Tertiary butyl alcohol	834.	ug/l	200.	20	4/27/05	6:32	S. Udeze	8260B	8972
Benzene	6200	ug/l	500.	500	4/27/05	6:58	S. Udeze	8260B	680
1,2-Dichloroethane	422.	ug/l	20.0	20	4/27/05	6:32	S. Udeze	8260B	8972
Ethylbenzene	3320	ug/l	20.0	20	4/27/05	6:32	S. Udeze	8260B	8972
Naphthalene	1440	ug/l	100.	20	4/27/05	6:32	S. Udeze	8260B	8972
Toluene	23800	ug/l	500.	500	4/27/05	6:58	S. Udeze	8260B	680
Xylenes (Total)	33200	ug/l	500.	500	4/27/05	6:58	S. Udeze	8260B	680
Ethanol	ND	ug/L	2000	20	4/27/05	6:32	S. Udeze	8260B	8972
Methyl-t-butyl ether	890.	ug/l	20.0	20	4/27/05	6:32	S. Udeze	8260B	8972
t-Amyl Alcohol	22400	ug/L	200.	20	4/27/05	6:32	S. Udeze	8260B	8972
t-Butyl Formate	ND	ug/L	200.	20	4/27/05	6:32	S. Udeze	8260B	8972
Ethyl-t-butyl alcohol	4180	ug/L	200.	20	4/27/05	6:32	S. Udeze	8260B	8972
Diisopropyl ether	2280	ug/l	100.	20	4/27/05	6:32	S. Udeze	8260/SA05-77	8972
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1	4/26/05	20:52	M. Ricke	8011	6586
METALS									
Lead	ND	ug/l	5.0	1	4/22/05	16:50	K. Ahmed	6010B	5983

Surrogate	% Recovery	Target Range

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56072
Sample ID: MW-10
Project: C-04-12-009

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	114.	70. - 130.
VOA Surr Toluene-d8	106.	78. - 121.
VOA Surr, 4-BFB	112.	78. - 126.
VOA Surr, DBFM	108.	79. - 122.
Surr., 1,3-DCB	97.0	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
8260 PQL's elevated due to sample matrix.
Analysis at a lower dilution did not meet method QC requirements.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: BOB ROBINSON

Lab Number: 05-A56073
Sample ID: MW-15
Sample Type: Ground water
Site ID:

Date Collected: 4/20/05
Time Collected: 8:30
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	1.0	1	4/22/05	16:42	S. Udeze	8260B	8935
tert-amyl methyl ether	ND	ug/L	1.0	1	4/22/05	16:42	S. Udeze	8260B	8935
Tertiary butyl alcohol	36.3	ug/l	10.0	1	4/22/05	16:42	S. Udeze	8260B	8935
Benzene	565.	ug/l	10.0	10	4/22/05	17:08	S. Udeze	8260B	8954
1,2-Dichloroethane	ND	ug/l	1.00	1	4/22/05	16:42	S. Udeze	8260B	8935
Ethylbenzene	617.	ug/l	10.0	10	4/22/05	17:08	S. Udeze	8260B	8954
Naphthalene	859.	ug/l	50.0	10	4/22/05	17:08	S. Udeze	8260B	8954
Toluene	1950	ug/l	100.	100	4/23/05	16:37	S. Udeze	8260B	8966
Xylenes (Total)	3760	ug/l	10.0	10	4/22/05	17:08	S. Udeze	8260B	8954
Ethanol	ND	ug/L	100.	1	4/22/05	16:42	S. Udeze	8260B	8935
Methyl-t-butyl ether	5.6	ug/l	1.0	1	4/22/05	16:42	S. Udeze	8260B	8935
t-Amyl Alcohol	957.	ug/L	10.0	1	4/22/05	16:42	S. Udeze	8260B	8935
t-Butyl Formate	ND	ug/L	10.0	1	4/22/05	16:42	S. Udeze	8260B	8935
Ethyl-t-butyl alcohol	192.	ug/L	10.0	1	4/22/05	16:42	S. Udeze	8260B	8935
Diisopropyl ether	ND	ug/l	5.00	1	4/22/05	16:42	S. Udeze	8260/SA05-77	8935
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1	4/26/05	21:12	M. Ricke	8011	6586
METALS									
Lead	ND	ug/l	5.0	1	4/22/05	16:50	K. Ahmed	6010B	5983

Surrogate	% Recovery	Target Range

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56073
Sample ID: MW-15
Project: C-04-12-009

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	107.	70. - 130.
VOA Surr Toluene-d8	105.	78. - 121.
VOA Surr, 4-BFB	107.	78. - 126.
VOA Surr, DBFM	103.	79. - 122.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
EDB 8011 surrogate not reported due to sample matrix interference.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: BOB ROBINSON

Lab Number: 05-A56074
Sample ID: DW-1
Sample Type: Ground water
Site ID:

Date Collected: 4/20/05
Time Collected: 14:00
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	1.0	1	4/22/05	14:05	S. Udeze	8260B	8935
tert-amyl methyl ether	ND	ug/L	1.0	1	4/22/05	14:05	S. Udeze	8260B	8935
Tertiary butyl alcohol	ND	ug/l	10.0	1	4/22/05	14:05	S. Udeze	8260B	8935
Benzene	ND	ug/l	1.0	1	4/22/05	14:05	S. Udeze	8260B	8935
1,2-Dichloroethane	ND	ug/l	1.00	1	4/22/05	14:05	S. Udeze	8260B	8935
Ethylbenzene	ND	ug/l	1.0	1	4/22/05	14:05	S. Udeze	8260B	8935
Naphthalene	ND	ug/l	5.00	1	4/22/05	14:05	S. Udeze	8260B	8935
Toluene	ND	ug/l	1.0	1	4/22/05	14:05	S. Udeze	8260B	8935
Xylenes (Total)	ND	ug/l	1.0	1	4/22/05	14:05	S. Udeze	8260B	8935
Ethanol	ND	ug/L	100.	1	4/22/05	14:05	S. Udeze	8260B	8935
Methyl-t-butyl ether	ND	ug/l	1.0	1	4/22/05	14:05	S. Udeze	8260B	8935
t-Amyl Alcohol	ND	ug/L	10.0	1	4/22/05	14:05	S. Udeze	8260B	8935
t-Butyl Formate	ND	ug/L	10.0	1	4/22/05	14:05	S. Udeze	8260B	8935
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1	4/22/05	14:05	S. Udeze	8260B	8935
Diisopropyl ether	17.4	ug/l	5.00	1	4/22/05	14:05	S. Udeze	8260/SA05-77	8935
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1	4/26/05	21:31	M. Ricke	8011	6586
METALS									
Lead	ND	ug/l	5.0	1	4/22/05	16:50	K. Ahmed	6010B	5983

Surrogate	% Recovery	Target Range

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56074
Sample ID: DW-1
Project: C-04-12-009

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	105.	70. - 130.
VOA Surr Toluene-d8	101.	78. - 121.
VOA Surr, 4-BFB	107.	78. - 126.
VOA Surr, DBFM	106.	79. - 122.
Surr., 1,3-DCB	101.	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: BOB ROBINSON

Lab Number: 05-A56075
Sample ID: DW-2
Sample Type: Ground water
Site ID:

Date Collected: 4/20/05
Time Collected: 14:15
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	1.0	1	4/22/05	14:31	S. Udeze	8260B	8935
tert-amyl methyl ether	ND	ug/L	1.0	1	4/22/05	14:31	S. Udeze	8260B	8935
Tertiary butyl alcohol	ND	ug/l	10.0	1	4/22/05	14:31	S. Udeze	8260B	8935
Benzene	3.1	ug/l	1.0	1	4/22/05	14:31	S. Udeze	8260B	8935
1,2-Dichloroethane	ND	ug/l	1.00	1	4/22/05	14:31	S. Udeze	8260B	8935
Ethylbenzene	1.1	ug/l	1.0	1	4/22/05	14:31	S. Udeze	8260B	8935
Naphthalene	ND	ug/l	5.00	1	4/22/05	14:31	S. Udeze	8260B	8935
Toluene	6.7	ug/l	1.0	1	4/22/05	14:31	S. Udeze	8260B	8935
Xylenes (Total)	5.8	ug/l	1.0	1	4/22/05	14:31	S. Udeze	8260B	8935
Ethanol	ND	ug/L	100.	1	4/22/05	14:31	S. Udeze	8260B	8935
Methyl-t-butyl ether	4.8	ug/l	1.0	1	4/22/05	14:31	S. Udeze	8260B	8935
t-Amyl Alcohol	ND	ug/L	10.0	1	4/22/05	14:31	S. Udeze	8260B	8935
t-Butyl Formate	ND	ug/L	10.0	1	4/22/05	14:31	S. Udeze	8260B	8935
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1	4/22/05	14:31	S. Udeze	8260B	8935
Diisopropyl ether	ND	ug/l	5.00	1	4/22/05	14:31	S. Udeze	8260/SA05-77	8935
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1	4/26/05	21:51	M. Ricke	8011	6586
METALS									
Lead	ND	ug/l	5.0	1	4/22/05	16:50	K. Ahmed	6010B	5983

Surrogate	% Recovery	Target Range

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56075
Sample ID: DW-2
Project: C-04-12-009

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	106.	70. - 130.
VOA Surr Toluene-d8	105.	78. - 121.
VOA Surr, 4-BFB	104.	78. - 126.
VOA Surr, DBFM	103.	79. - 122.
Surr., 1,3-DCB	106.	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Page: 1
Laboratory Receipt Date: 4/21/05

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA PARAMETERS								
Benzene	mg/l	< 0.0003	0.0502	0.0500	100	62 - 146	8935	blank
Toluene	mg/l	< 0.0002	0.0546	0.0500	109	68 - 141	8935	blank
VOA Surr 1,2-DCA-d4	% Rec				103	70 - 130	8935	
VOA Surr Toluene-d8	% Rec				102	78 - 121	8935	
VOA Surr, 4-BFB	% Rec				107	78 - 126	8935	
VOA Surr, DBFM	% Rec				104	79 - 122	8935	
METALS								
Lead	mg/l	< 0.0050	0.0480	0.0500	96	75. - 125.	5983	05-A55763
Ethylene Dibromide	mg/l	< 0.00002	0.00021	0.00029	72	61. - 134.	6586	'56066
Ethylene Dibromide	mg/l	0.00432	0.0181	0.00029	4750#	61. - 134.	5583	05-A55962

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/l	0.0502	0.0514	2.36	25.	8935
Toluene	mg/l	0.0546	0.0526	3.73	29.	8935

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
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Laboratory Receipt Date: 4/21/05

VOA Surr 1,2-DCA-d4	% Rec		102.			8935
VOA Surr Toluene-d8	% Rec		105.			8935
VOA Surr, 4-BFB	% Rec		107.			8935
VOA Surr, DBFM	% Rec		102.			8935
METALS						
Lead	mg/l	0.0480	0.0470	2.11	20	5983
MISC PARAMETERS						
Ethylene Dibromide	mg/l	0.00021	0.00014	40.00	50	6586
Ethylene Dibromide	mg/l	0.0181	0.0547	100.55#	50	5583

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Ethyl-t-butylether	mg/l	0.0500	0.0514	103	63 - 141	8935
Ethyl-t-butylether	mg/l	0.0500	0.0543	109	63 - 141	8972
tert-amyl methyl ether	mg/L	0.0500	0.0508	102	63 - 133	8935
tert-amyl methyl ether	mg/L	0.0500	0.0511	102	63 - 133	8972
Tertiary butyl alcohol	mg/l	0.500	0.451	90	41 - 160	8935
Tertiary butyl alcohol	mg/l	0.500	0.485	97	41 - 160	8972
Benzene	mg/l	0.0500	0.0453	91	76 - 127	8935
Benzene	mg/l	0.0500	0.0453	91	76 - 127	8954
Benzene	mg/l	0.0500	0.0492	98	76 - 127	8966
Benzene	mg/l	0.0500	0.0512	102	76 - 127	680
1,2-Dichloroethane	mg/l	0.0500	0.0505	101	72 - 129	8935
1,2-Dichloroethane	mg/l	0.0500	0.0550	110	72 - 129	8972
Ethylbenzene	mg/l	0.0500	0.0462	92	80 - 124	8935
Ethylbenzene	mg/l	0.0500	0.0462	92	80 - 124	8954
Ethylbenzene	mg/l	0.0500	0.0508	102	80 - 124	8966
Ethylbenzene	mg/l	0.0500	0.0504	101	80 - 124	8972
Naphthalene	mg/l	0.0500	0.0580	116	61 - 143	8935
Naphthalene	mg/l	0.0500	0.0580	116	61 - 143	8954

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Page: 3
Laboratory Receipt Date: 4/21/05

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Naphthalene	mg/l	0.0500	0.0496	99	61 - 143	8966
Naphthalene	mg/l	0.0500	0.0578	116	61 - 143	8972
Toluene	mg/l	0.0500	0.0446	89	79 - 124	8935
Toluene	mg/l	0.0500	0.0493	99	79 - 124	8966
Toluene	mg/l	0.0500	0.0492	98	79 - 124	680
Xylenes (Total)	mg/l	0.150	0.140	93	80 - 125	8935
Xylenes (Total)	mg/l	0.150	0.140	93	80 - 125	8954
Xylenes (Total)	mg/l	0.150	0.153	102	80 - 125	8966
Xylenes (Total)	mg/l	0.150	0.156	104	80 - 125	680
Ethanol	mg/L	5.00	4.67	93	40 - 163	8935
Ethanol	mg/L	5.00	4.98	100	40 - 163	8972
Methyl-t-butyl ether	mg/l	0.0500	0.0520	104	66 - 136	8935
Methyl-t-butyl ether	mg/l	0.0500	0.0411	82	66 - 136	8966
Methyl-t-butyl ether	mg/l	0.0500	0.0531	106	66 - 136	8972
t-Amyl Alcohol	mg/L	0.500	0.538	108	37 - 150	8935
t-Amyl Alcohol	mg/L	0.500	0.538	108	37 - 150	8954
t-Amyl Alcohol	mg/L	0.500	0.502	100	37 - 150	8972
t-Butyl Formate	mg/L	0.500	0.609	122	29 - 143	8935
t-Butyl Formate	mg/L	0.500	0.434	87	29 - 143	8972
Ethyl-t-butyl alcohol	mg/L	0.500	0.540	108	34 - 154	8935
Ethyl-t-butyl alcohol	mg/L	0.500	0.540	108	34 - 154	8954
Ethyl-t-butyl alcohol	mg/L	0.500	0.519	104	34 - 154	8972
Diisopropyl ether	mg/l	0.0500	0.0498	100	79 - 130	8935
Diisopropyl ether	mg/l	0.0500	0.0498	100	79 - 130	8954
Diisopropyl ether	mg/l	0.0500	0.0543	109	79 - 130	8972
Ethylene Dibromide	mg/l	0.00029	0.00029	100	70 - 133	6586
Ethylene Dibromide	mg/l	0.00029	0.00031	107	70 - 133	5583

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Page: 4
Laboratory Receipt Date: 4/21/05

VOA Surr 1,2-DCA-d4	% Rec			106	70 - 130	8935
VOA Surr 1,2-DCA-d4	% Rec			105	70 - 130	8966
VOA Surr 1,2-DCA-d4	% Rec			108	70 - 130	680
VOA Surr Toluene-d8	% Rec			104	78 - 121	8935
VOA Surr Toluene-d8	% Rec			105	78 - 121	8966
VOA Surr Toluene-d8	% Rec			103	78 - 121	680
VOA Surr, 4-BFB	% Rec			105	78 - 126	8935
VOA Surr, 4-BFB	% Rec			108	78 - 126	8966
VOA Surr, 4-BFB	% Rec			107	78 - 126	680
VOA Surr, DBFM	% Rec			107	79 - 122	8935
VOA Surr, DBFM	% Rec			105	79 - 122	8966
VOA Surr, DBFM	% Rec			108	79 - 122	680
METALS						
Lead	mg/l	0.0500	0.0470	94	80 - 120	5983

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Ethyl-t-butylether	< 0.0005	mg/l	8935	4/22/05	12:20
Ethyl-t-butylether	< 0.0005	mg/l	8972	4/27/05	0:27
tert-amyl methyl ether	< 0.0005	mg/L	8935	4/22/05	12:20
tert-amyl methyl ether	< 0.0005	mg/L	8972	4/27/05	0:27
Tertiary butyl alcohol	< 0.0063	mg/l	8935	4/22/05	12:20

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON

Laboratory Receipt Date: 4/21/05

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Tertiary butyl alcohol	< 0.0063	mg/l	8972	4/27/05	0:27
Benzene	< 0.0003	mg/l	8935	4/22/05	12:20
Benzene	< 0.0003	mg/l	8954	4/22/05	12:20
Benzene	< 0.0003	mg/l	8966	4/23/05	13:27
Benzene	< 0.0003	mg/l	680	4/27/05	0:27
1,2-Dichloroethane	< 0.00040	mg/l	8935	4/22/05	12:20
1,2-Dichloroethane	< 0.00040	mg/l	8972	4/27/05	0:27
Ethylbenzene	< 0.0002	mg/l	8935	4/22/05	12:20
Ethylbenzene	< 0.0002	mg/l	8954	4/22/05	12:20
Ethylbenzene	< 0.0002	mg/l	8966	4/23/05	13:27
Ethylbenzene	< 0.0002	mg/l	8972	4/27/05	0:27
Naphthalene	< 0.00120	mg/l	8935	4/22/05	12:20
Naphthalene	< 0.00120	mg/l	8954	4/22/05	12:20
Naphthalene	< 0.00120	mg/l	8966	4/23/05	13:27
Naphthalene	< 0.00120	mg/l	8972	4/27/05	0:27
Toluene	< 0.0002	mg/l	8935	4/22/05	12:20
Toluene	< 0.0002	mg/l	8966	4/23/05	13:27
Toluene	< 0.0002	mg/l	680	4/27/05	0:27
Xylenes (Total)	< 0.0006	mg/l	8935	4/22/05	12:20
Xylenes (Total)	< 0.0006	mg/l	8954	4/22/05	12:20
Xylenes (Total)	< 0.0006	mg/l	8966	4/23/05	13:27
Xylenes (Total)	< 0.0006	mg/l	680	4/27/05	0:27
Ethanol	< 0.0503	mg/L	8935	4/22/05	12:20
Ethanol	< 0.0503	mg/L	8972	4/27/05	0:27
Methyl-t-butyl ether	< 0.0002	mg/l	8935	4/22/05	12:20
Methyl-t-butyl ether	< 0.0002	mg/l	8966	4/23/05	13:27
Methyl-t-butyl ether	< 0.0002	mg/l	8972	4/27/05	0:27
t-Amyl Alcohol	< 0.0050	mg/L	8935	4/22/05	12:20
t-Amyl Alcohol	< 0.0050	mg/L	8954	4/22/05	12:20
t-Amyl Alcohol	< 0.0050	mg/L	8972	4/27/05	0:27
t-Butyl Formate	< 0.0050	mg/L	8935	4/22/05	12:20

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Page: 6
Laboratory Receipt Date: 4/21/05

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
t-Butyl Formate	< 0.0050	mg/L	8972	4/27/05	0:27
Ethyl-t-butyl alcohol	< 0.0050	mg/L	8935	4/22/05	12:20
Ethyl-t-butyl alcohol	< 0.0050	mg/L	8954	4/22/05	12:20
Ethyl-t-butyl alcohol	< 0.0050	mg/L	8972	4/27/05	0:27
Diisopropyl ether	< 0.00030	mg/l	8935	4/22/05	12:20
Diisopropyl ether	< 0.00030	mg/l	8954	4/22/05	12:20
Diisopropyl ether	< 0.00030	mg/l	8972	4/27/05	0:27
VOA Surr 1,2-DCA-d4	107.	% Rec	8935	4/22/05	12:20
VOA Surr 1,2-DCA-d4	109.	% Rec	8966	4/23/05	13:27
VOA Surr 1,2-DCA-d4	109.	% Rec	680	4/27/05	0:27
VOA Surr Toluene-d8	107.	% Rec	8935	4/22/05	12:20
VOA Surr Toluene-d8	104.	% Rec	8966	4/23/05	13:27
VOA Surr Toluene-d8	105.	% Rec	680	4/27/05	0:27
VOA Surr, 4-BFB	106.	% Rec	8935	4/22/05	12:20
VOA Surr, 4-BFB	111.	% Rec	8966	4/23/05	13:27
VOA Surr, 4-BFB	108.	% Rec	680	4/27/05	0:27
VOA Surr, DBFM	100.	% Rec	8935	4/22/05	12:20
VOA Surr, DBFM	102.	% Rec	8966	4/23/05	13:27
VOA Surr, DBFM	104.	% Rec	680	4/27/05	0:27
METALS					
Lead	< 0.0024	mg/l	5983	4/22/05	16:50
Ethylene Dibromide	< 0.00002	mg/l	6586	4/26/05	17:03
Ethylene Dibromide	< 0.00002	mg/l	5583	4/28/05	22:10

= Value outside Laboratory historical or method prescribed QC limits.

413493

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Compliance Monitoring _____

Client Name: Consultech Environmental Client #: 2628
Address: 1800 MacLeod Dr. Suite F
City/State/Zip Code: Lawrenceville, GA 30043
Project Manager: Jim Wilson
Telephone Number: 678 377-0400 Fax: 678 377 0051
Sampler Name: (Print Name) Rob Robinson
Sampler Signature:

Project Name: ~~C-04~~ Handy Pantry #165
Project #: C-04-12-008
Site/Location ID: Columbia State: SC
Report To: Jim Wilson
Invoice To:
Quote #: PO#:

TAT: ← Standard; ___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y N

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: BTEX, MTBE, NAP, 1,2 DCA 8260B	EDB 8011	8 Oxygenates 8260B	Total Lead	Dissolved Iron	Nitrates	Sulfates	Methane			QC Deliverables / REMARKS
MW-18	4/20/05	915	G	N	GW	1	7						3	2	2	1	~~1~~			~~1~~			05A 55954
MW-19		930																					55
MW-20		945																					56
MW-22		1000																					57
MW-23		1015																					58
MW-24		1030				↓	↓																55959
MW-27		~~1115~~				1	9				3						1	1	1	2			55964
MW-28		1130																					65
MW-29		1145																					66
MW-30		1200																					55967

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: see cooler receipt
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

	Date	Time	Received By	Date	Time
Relinquished By:	4/20/05	1730	Received By:		
Relinquished By:			Received By:		
Relinquished By:			Received By:	4.21.05	07:45

413493

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ANALYTICAL TESTING CORPORATION

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring ____

Client Name: Consultech Environmental Client #: 2628
Address: 1800 Macleod Dr Suite F
City/State/Zip Code: Lawrenceville, GA 30043
Project Manager: Jim Wilson
Telephone Number: 678 377-0400 Fax: 678 377-0051
Sampler Name: (Print Name) Rob Robinson
Sampler Signature:

Project Name: Handy Pantry #65
Project #: C-04-12-008
Site/Location ID: Columbia State: SC
Report To: Jim Wilson
Invoice To:
Quote #: PO#:

TAT: X Standard; ___ Rush (surcharges may apply)
Date Needed: ____
Fax Results: Y N

QC Deliverables: ___ None; ___ Level 2 (Batch QC); ___ Level 3; ___ Level 4; Other: ____

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix (SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other)	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: BTEX, MTBE, MNP 1,2 DCA 8260B	EDB 8011	8 Oxygenates 8260B	Total Lead	Dissolved Iron	Nitrates	Sulfates	Methane			REMARKS
MW-31	4/20/05	1215	G	No	GW	1	9				3		3	2	2	1	1	1	2				55968
MW-33		1245																					69
MW-34		1300																					70
MW-35		1315																					71
MW-36		1330																					72
MW-37		1345																					73
MW-38		1400																					74
MW-39		1415																					75
MW-40		1430																					76
MW-41		1445																					55977

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: See cooler receipt
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

	Date	Time		Date	Time
Relinquished By:	4/20/05	1730	Received By:		
Relinquished By:			Received By:		
Relinquished By:			Received By:	4/21/05	0745

413493

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To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring ____

Client Name: Consultech Env. Client #: 2628
Address: 1800 Macleod Dr. Suite F
City/State/Zip Code: Lawrenceville, Ga. 30043
Project Manager: Jim Wilson
Telephone Number: 678 377-0400 Fax: 678 377 0051
Sampler Name: (Print Name) Drew Miller
Sampler Signature: Drew Miller

Project Name: Hardy Pantry #65 ~~Former Conoco Station~~
Project #: C-04-12-008
Site/Location ID: Columbia State: Ga.
Report To: Jim Wilson
Invoice To:
Quote #: PO#:

TAT
X Standard
___ Rush (surcharges may apply)
Date Needed: ____
Fax Results: Y N

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: Btex MtBE, NAP 8260B EDB 8011 8 Oxygenates 8260B Total Lead Dissolved Iron Nitrates Sulfates Methane	QC Deliverables: ___ None ___ Level 2 (Batch QC) ___ Level 3 ___ Level 4 Other: ____ REMARKS
MW-42	4/20	1500	G	No	GW	1	9				3		3 2 2 1 1 1 1 2	55978
DW-6	↓	1515	↓	↓	↓	↓	↓				↓		↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	55979
MW-5aR		1600												55960
DW-1R		1615												161
RW-1R	↓	1630	↓	↓	↓	↓	↓				↓		↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	55962
DMW-3	↓	1430	↓	↓	↓	1	7						X X X X	55963

Special Instructions: DMW-3 - 55963

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: See cooler receipt
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

Relinquished By: Drew Miller	Date: 4/20	Time: 1730	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: (W)	Date: 4/21/05	Time: 0745

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4/29/05

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: HANDY PANTRY #65
Project Number: C-04-12-008.
Laboratory Project Number: 413493.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Sample Identification	Lab Number	Collection Date
MW-18	05-A55954	4/20/05
MW-19	05-A55955	4/20/05
MW-20	05-A55956	4/20/05
MW-22	05-A55957	4/20/05
MW-23	05-A55958	4/20/05
MW-24	05-A55959	4/20/05
MW-5AR	05-A55960	4/20/05
PW-1R	05-A55961	4/20/05
RW-1R	05-A55962	4/20/05
DMW-3	05-A55963	4/20/05
MW-27	05-A55964	4/20/05
MW-28	05-A55965	4/20/05
MW-29	05-A55966	4/20/05
MW-30	05-A55967	4/20/05
MW-31	05-A55968	4/20/05
MW-33	05-A55969	4/20/05

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Sample Identification	Lab Number	Collection Date
MW-34	05-A55970	4/20/05
MW-35	05-A55971	4/20/05
MW-36	05-A55972	4/20/05
MW-37	05-A55973	4/20/05
MW-38	05-A55974	4/20/05
MW-39	05-A55975	4/20/05
MW-40	05-A55976	4/20/05
MW-41	05-A55977	4/20/05
MW-42	05-A55978	4/20/05
DW-6	05-A55979	4/20/05

A2LA certification number 0453.07 for analysis of wastewater and solid/hazardous waste.
NELAC/Florida certification number E87358 for analysis of environmental water, soil/hazardous waste, and drinking water effective 07/01/99-06/30/05.

These results relate only to the items tested.
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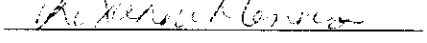
Report Approved By:  Report Date: 4/28/05

Johnny A. Mitchell, Laboratory Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Senior Project Manager
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Senior Project Manager
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Senior Project Manag

Laboratory Certification Number: 84009

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55954
Sample ID: MW-18
Sample Type: Water
Site ID:

Date Collected: 4/20/05
Time Collected: 9:15
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	6910	ug/l	100.	100.	4/27/05	1:44	S. Udeze	8260B	484
Toluene	17400	ug/l	100.	100.	4/27/05	1:44	S. Udeze	8260B	484
Ethylbenzene	2530	ug/l	100.	100.	4/27/05	1:44	S. Udeze	8260B	484
Xylenes (Total)	13800	ug/l	100.	100.	4/27/05	1:44	S. Udeze	8260B	484
Methyl-t-butyl ether	8920	ug/l	100.	100.	4/27/05	1:44	S. Udeze	8260B	484
Naphthalene	1580	ug/l	50.0	10.0	4/27/05	1:15	S. Udeze	8260B	468
Ethyl-t-butylether	ND	ug/l	10.0	10.0	4/27/05	1:15	S. Udeze	8260B	468
tert-amyl methyl ether	759.	ug/L	10.0	10.0	4/27/05	1:15	S. Udeze	8260B	468
Tertiary butyl alcohol	1170	ug/l	100.	10.0	4/27/05	13:46	S. Udeze	8260B	579
1,2-Dichloroethane	ND	ug/l	10.0	10.0	4/27/05	1:15	S. Udeze	8260B	468
Ethanol	ND	ug/L	1000	10.0	4/27/05	1:15	S. Udeze	8260B	468
t-Amyl Alcohol	28800	ug/L	10000	100.	4/27/05	1:44	S. Udeze	8260B	484
t-Butyl Formate	ND	ug/L	100.	10.0	4/27/05	13:46	S. Udeze	8260B	579
Ethyl-t-butyl alcohol	4900	ug/L	100.	10.0	4/27/05	1:15	S. Udeze	8260B	468
Diisopropyl ether	2040	ug/l	500.	100.	4/27/05	1:44	S. Udeze	8260/SA05-77	484
VOLATILE ORGANICS by GC									
Ethylene Dibromide	11.2	ug/l	0.98	50.0	4/28/05	12:41	M. Ricke	8011	5581
METALS									
Lead	131.	ug/l	5.0	1.0	4/22/05	14:01	C. Otero	6010B	5982

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55954
Sample ID: MW-18
Project: C-04-12-008

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	109.	70. - 130.
VOA Surr Toluene-d8	103.	78. - 121.
VOA Surr, 4-BFB	107.	78. - 126.
VOA Surr, DBFM	105.	79. - 122.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
8260 PQL's elevated due to sample matrix.
Analysis at a lower dilution did not meet method QC requirements.
EDB surrogate was diluted out due to sample matrix.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55955
Sample ID: MW-19
Sample Type: Water
Site ID:

Date Collected: 4/20/05
Time Collected: 9:30
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	18200	ug/l	100.	100.	4/27/05	2:44	S. Udeze	8260B	484
Toluene	63600	ug/l	1000	1000	4/27/05	15:20	M.Himelick	8260B	726
Ethylbenzene	2980	ug/l	100.	100.	4/27/05	2:44	S. Udeze	8260B	484
Xylenes (Total)	16300	ug/l	100.	100.	4/27/05	2:44	S. Udeze	8260B	484
Methyl-t-butyl ether	962.	ug/l	10.0	10.0	4/27/05	2:14	S. Udeze	8260B	468
Naphthalene	2290	ug/l	500.	100.	4/27/05	2:44	S. Udeze	8260B	484
Ethyl-t-butylether	ND	ug/l	10.0	10.0	4/27/05	2:14	S. Udeze	8260B	468
tert-amyl methyl ether	607.	ug/L	10.0	10.0	4/27/05	2:14	S. Udeze	8260B	468
Tertiary butyl alcohol	1740	ug/l	100.	10.0	4/27/05	13:45	M.Himelick	8260B	724
1,2-Dichloroethane	ND	ug/l	10.0	10.0	4/27/05	2:14	S. Udeze	8260B	468
Ethanol	ND	ug/L	1000	10.0	4/27/05	2:14	S. Udeze	8260B	468
t-Amyl Alcohol	9730	ug/L	1000	10.0	4/27/05	2:14	S. Udeze	8260B	468
t-Butyl Formate	ND	ug/L	100.	10.0	4/27/05	13:45	M.Himelick	8260B	724
Ethyl-t-butyl alcohol	4040	ug/L	100.	10.0	4/27/05	2:14	S. Udeze	8260B	468
Diisopropyl ether	2910	ug/l	500.	100.	4/27/05	2:44	S. Udeze	8260/SA05-77	484
VOLATILE ORGANICS by GC									
Ethylene Dibromide	24.1	ug/l	1.96	100.	4/28/05	11:47	M. Ricke	8011	5581
METALS									
Lead	85.0	ug/l	5.0	1.0	4/22/05	14:01	C. Otero	6010B	5982

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55955
Sample ID: MW-19
Project: C-04-12-008

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	101.	70. - 130.
VOA Surr Toluene-d8	97.	78. - 121.
VOA Surr, 4-BFB	98.	78. - 126.
VOA Surr, DBFM	99.	79. - 122.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
8260 PQL's elevated due to sample matrix.
Analysis at a lower dilution did not meet method QC requirements.
EDB surrogate was diluted out due to sample matrix.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55956
Sample ID: MW-20
Sample Type: Water
Site ID:

Date Collected: 4/20/05
Time Collected: 9:45
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	12800	ug/l	100.	100.	4/27/05	3:43	S. Udeze	8260B	484
Toluene	23400	ug/l	500.	500.	4/27/05	14:56	M.Himelick	8260B	726
Ethylbenzene	1630	ug/l	100.	100.	4/27/05	3:43	S. Udeze	8260B	484
Xylenes (Total)	12400	ug/l	100.	100.	4/27/05	3:43	S. Udeze	8260B	484
Methyl-t-butyl ether	18000	ug/l	500.	500.	4/27/05	14:56	M.Himelick	8260B	726
Naphthalene	1430	ug/l	50.0	10.0	4/27/05	3:13	S. Udeze	8260B	468
Ethyl-t-butylether	ND	ug/l	10.0	10.0	4/27/05	3:13	S. Udeze	8260B	468
tert-amyl methyl ether	641.	ug/L	10.0	10.0	4/27/05	3:13	S. Udeze	8260B	468
Tertiary butyl alcohol	3920	ug/l	100.	10.0	4/27/05	14:32	M.Himelick	8260B	724
1,2-Dichloroethane	ND	ug/l	10.0	10.0	4/27/05	3:13	S. Udeze	8260B	468
Ethanol	ND	ug/L	1000	10.0	4/27/05	3:13	S. Udeze	8260B	468
t-Amyl Alcohol	14600	ug/L	1000	10.0	4/27/05	3:13	S. Udeze	8260B	468
t-Butyl Formate	ND	ug/L	100.	10.0	4/27/05	14:32	M.Himelick	8260B	724
Ethyl-t-butyl alcohol	2950	ug/L	100.	10.0	4/27/05	3:13	S. Udeze	8260B	468
Diisopropyl ether	2200	ug/l	500.	100.	4/27/05	3:43	S. Udeze	8260/SA05-77	484
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/27/05	19:22	M. Ricke	8011	5581
METALS									
Lead	222.	ug/l	5.0	1.0	4/22/05	14:01	C. Otero	6010B	5982

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55956
Sample ID: MW-20
Project: C-04-12-008

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	101.	70. - 130.
VOA Surr Toluene-d8	97.	78. - 121.
VOA Surr, 4-BFB	98.	78. - 126.
VOA Surr, DBFM	97.	79. - 122.
Surr., 1,3-DCB	91.0	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
8260 PQL's elevated due to sample matrix.
Analysis at a lower dilution did not meet method QC requirements.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55957
Sample ID: MW-22
Sample Type: Water
Site ID:

Date Collected: 4/20/05
Time Collected: 10:00
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	800.	ug/l	500.	500.	4/26/05	19:51	C. Wani	8260B	329
Toluene	3640	ug/l	20.0	20.0	4/26/05	19:23	C. Wani	8260B	310
Ethylbenzene	126.	ug/l	20.0	20.0	4/26/05	19:23	C. Wani	8260B	310
Xylenes (Total)	760.	ug/l	20.0	20.0	4/26/05	19:23	C. Wani	8260B	310
Methyl-t-butyl ether	1800	ug/l	500.	500.	4/26/05	19:51	C. Wani	8260B	329
Naphthalene	148.	ug/l	100.	20.0	4/26/05	19:23	C. Wani	8260B	310
Ethyl-t-butylether	ND	ug/l	20.0	20.0	4/26/05	19:23	C. Wani	8260B	310
tert-amyl methyl ether	788.	ug/L	20.0	20.0	4/26/05	19:23	C. Wani	8260B	310
Tertiary butyl alcohol	484.	ug/l	200.	20.0	4/26/05	19:23	C. Wani	8260B	310
1,2-Dichloroethane	ND	ug/l	20.0	20.0	4/26/05	19:23	C. Wani	8260B	310
Ethanol	ND	ug/L	2000	20.0	4/26/05	19:23	C. Wani	8260B	310
t-Amyl Alcohol	5540	ug/L	200.	20.0	4/27/05	10:58	A. Steimle	8260B	601
t-Butyl Formate	ND	ug/L	200.	20.0	4/26/05	19:23	C. Wani	8260B	310
Ethyl-t-butyl alcohol	872.	ug/L	200.	20.0	4/26/05	19:23	C. Wani	8260B	310
Diisopropyl ether	2420	ug/l	100.	20.0	4/26/05	19:23	C. Wani	8260/SA05-77	310
VOLATILE ORGANICS by GC									
Ethylene Dibromide	0.04	ug/l	0.02	1.0	4/27/05	19:42	M. Ricke	8011	5581
METALS									
Lead	ND	ug/l	5.0	1.0	4/22/05	14:01	C. Otero	6010B	5982

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55957
Sample ID: MW-22
Project: C-04-12-008

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	90.	70. - 130.
VOA Surr Toluene-d8	96.	78. - 121.
VOA Surr, 4-BFB	98.	78. - 126.
VOA Surr, DBFM	97.	79. - 122.
Surr., 1,3-DCB	81.0 #	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
8260 PQL's elevated due to sample matrix.
Analysis at a lower dilution did not meet method QC requirements.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55958
Sample ID: MW-23
Sample Type: Water
Site ID:

Date Collected: 4/20/05
Time Collected: 10:15
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	1770	ug/l	10.0	10.0	4/26/05	20:18	C. Wani	8260B	310
Toluene	1250	ug/l	100.	100.	4/26/05	20:45	C. Wani	8260B	329
Ethylbenzene	195.	ug/l	10.0	10.0	4/26/05	20:18	C. Wani	8260B	310
Xylenes (Total)	1650	ug/l	10.0	10.0	4/26/05	20:18	C. Wani	8260B	310
Methyl-t-butyl ether	1390	ug/l	10.0	10.0	4/26/05	20:18	C. Wani	8260B	310
Naphthalene	140.	ug/l	50.0	10.0	4/26/05	20:18	C. Wani	8260B	310
Ethyl-t-butylether	ND	ug/l	10.0	10.0	4/26/05	20:18	C. Wani	8260B	310
tert-amyl methyl ether	83.0	ug/L	10.0	10.0	4/26/05	20:18	C. Wani	8260B	310
Tertiary butyl alcohol	ND	ug/l	100.	10.0	4/26/05	20:18	C. Wani	8260B	310
1,2-Dichloroethane	ND	ug/l	10.0	10.0	4/26/05	20:18	C. Wani	8260B	310
Ethanol	ND	ug/L	1000	10.0	4/26/05	20:18	C. Wani	8260B	310
t-Amyl Alcohol	5210	ug/L	100.	10.0	4/27/05	11:21	A. Steimle	8260B	593
t-Butyl Formate	ND	ug/L	100.	10.0	4/26/05	20:18	C. Wani	8260B	310
Ethyl-t-butyl alcohol	777.	ug/L	100.	10.0	4/26/05	20:18	C. Wani	8260B	310
Diisopropyl ether	314.	ug/l	50.0	10.0	4/26/05	20:18	C. Wani	8260/SA05-77	310
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.20	10.0	4/27/05	20:01	M. Ricke	8011	5581
METALS									
Lead	26.0	ug/l	5.0	1.0	4/22/05	14:01	C. Otero	6010B	5982

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55958
Sample ID: MW-23
Project: C-04-12-008

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	89.	70. - 130.
VOA Surr Toluene-d8	99.	78. - 121.
VOA Surr, 4-BFB	98.	78. - 126.
VOA Surr, DBFM	100.	79. - 122.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
8260 PQL's elevated due to sample matrix.
Analysis at a lower dilution did not meet method QC requirements.
EDB surrogate was diluted out due to sample matrix.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55959
Sample ID: MW-24
Sample Type: Water
Site ID:

Date Collected: 4/20/05
Time Collected: 10:30
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	1340	ug/l	50.0	50.0	4/26/05	21:40	C. Wani	8260B	329
Toluene	1520	ug/l	50.0	50.0	4/26/05	21:40	C. Wani	8260B	329
Ethylbenzene	98.0	ug/l	5.0	5.0	4/26/05	21:12	C. Wani	8260B	310
Xylenes (Total)	1730	ug/l	5.0	5.0	4/26/05	21:12	C. Wani	8260B	310
Methyl-t-butyl ether	610.	ug/l	5.0	5.0	4/26/05	21:12	C. Wani	8260B	310
Naphthalene	66.5	ug/l	25.0	5.0	4/26/05	21:12	C. Wani	8260B	310
Ethyl-t-butylether	ND	ug/l	5.0	5.0	4/26/05	21:12	C. Wani	8260B	310
tert-amyl methyl ether	60.0	ug/L	5.0	5.0	4/26/05	21:12	C. Wani	8260B	310
Tertiary butyl alcohol	ND	ug/l	50.0	5.0	4/26/05	21:12	C. Wani	8260B	310
1,2-Dichloroethane	ND	ug/l	5.00	5.0	4/26/05	21:12	C. Wani	8260B	310
Ethanol	ND	ug/L	500.	5.0	4/26/05	21:12	C. Wani	8260B	310
t-Amyl Alcohol	4890	ug/L	50.0	5.0	4/27/05	11:44	A. Steimle	8260B	593
t-Butyl Formate	ND	ug/L	50.0	5.0	4/26/05	21:12	C. Wani	8260B	310
Ethyl-t-butyl alcohol	1150	ug/L	50.0	5.0	4/26/05	21:12	C. Wani	8260B	310
Diisopropyl ether	449.	ug/l	25.0	5.0	4/26/05	21:12	C. Wani	8260/SA05-77	310
VOLATILE ORGANICS by GC									
Ethylene Dibromide	26.3	ug/l	4.02	200.	4/27/05	20:21	M. Ricke	8011	5581
METALS									
Lead	123.	ug/l	5.0	1.0	4/22/05	14:01	C. Otero	6010B	5982

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55959
Sample ID: MW-24
Project: C-04-12-008

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	82.	70. - 130.
VOA Surr Toluene-d8	98.	78. - 121.
VOA Surr, 4-BFB	98.	78. - 126.
VOA Surr, DBFM	98.	79. - 122.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
8260 PQL's elevated due to sample matrix.
Analysis at a lower dilution did not meet method QC requirements.
EDB surrogate was diluted out due to sample matrix.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55960
Sample ID: MW-5AR
Sample Type: Water
Site ID:

Date Collected: 4/20/05
Time Collected: 16:00
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	2250	ug/l	500.	500.	4/26/05	22:34	C. Wani	8260B	329
Toluene	3100	ug/l	500.	500.	4/26/05	22:34	C. Wani	8260B	329
Ethylbenzene	1500	ug/l	20.0	20.0	4/26/05	22:07	C. Wani	8260B	310
Xylenes (Total)	7740	ug/l	20.0	20.0	4/26/05	22:07	C. Wani	8260B	310
Methyl-t-butyl ether	2500	ug/l	500.	500.	4/26/05	22:34	C. Wani	8260B	329
Naphthalene	796.	ug/l	100.	20.0	4/26/05	22:07	C. Wani	8260B	310
Ethyl-t-butylether	ND	ug/l	20.0	20.0	4/26/05	22:07	C. Wani	8260B	310
tert-amyl methyl ether	1430	ug/L	20.0	20.0	4/26/05	22:07	C. Wani	8260B	310
Tertiary butyl alcohol	608.	ug/l	200.	20.0	4/26/05	22:07	C. Wani	8260B	310
1,2-Dichloroethane	ND	ug/l	20.0	20.0	4/26/05	22:07	C. Wani	8260B	310
Ethanol	ND	ug/L	2000	20.0	4/26/05	22:07	C. Wani	8260B	310
t-Amyl Alcohol	5120	ug/L	200.	20.0	4/27/05	12:08	A. Steimle	8260B	593
t-Butyl Formate	ND	ug/L	200.	20.0	4/26/05	22:07	C. Wani	8260B	310
Ethyl-t-butyl alcohol	1100	ug/L	200.	20.0	4/26/05	22:07	C. Wani	8260B	310
Diisopropyl ether	3240	ug/l	100.	20.0	4/26/05	22:07	C. Wani	8260/SA05-77	310
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/27/05	17:26	M. Ricke	8011	5581
METALS									
Lead	17.0	ug/l	5.0	1.0	4/22/05	14:01	C. Otero	6010B	5982

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55960
Sample ID: MW-5AR
Project: C-04-12-008

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	82.	70. - 130.
VOA Surr Toluene-d8	98.	78. - 121.
VOA Surr, 4-BFB	99.	78. - 126.
VOA Surr, DBFM	96.	79. - 122.
Surr., 1,3-DCB	114.	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
8260 PQL's elevated due to sample matrix.
Analysis at a lower dilution did not meet method QC requirements.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55961
Sample ID: PW-1R
Sample Type: Water
Site ID:

Date Collected: 4/20/05
Time Collected: 16:15
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	2740	ug/l	200.	200.	4/22/05	19:45	S. Udeze	8260B	7994
Toluene	2640	ug/l	200.	200.	4/22/05	19:45	S. Udeze	8260B	7994
Ethylbenzene	732.	ug/l	20.0	20.0	4/22/05	19:15	S. Udeze	8260B	7296
Xylenes (Total)	2460	ug/l	20.0	20.0	4/22/05	19:15	S. Udeze	8260B	7296
Methyl-t-butyl ether	2040	ug/l	20.0	20.0	4/22/05	19:15	S. Udeze	8260B	7296
Naphthalene	250.	ug/l	100.	20.0	4/22/05	19:15	S. Udeze	8260B	7296
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/22/05	8:14	S. Udeze	8260B	6615
tert-amyl methyl ether	171.	ug/L	1.0	1.0	4/22/05	8:14	S. Udeze	8260B	6615
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/22/05	8:14	S. Udeze	8260B	6615
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/22/05	8:14	S. Udeze	8260B	6615
Ethanol	ND	ug/L	100.	1.0	4/22/05	8:14	S. Udeze	8260B	6615
t-Amyl Alcohol	8380	ug/L	200.	20.0	4/22/05	19:15	S. Udeze	8260B	7296
t-Butyl Formate	ND	ug/L	10.0	1.0	4/22/05	8:14	S. Udeze	8260B	6615
Ethyl-t-butyl alcohol	1210	ug/L	10.0	1.0	4/22/05	8:14	S. Udeze	8260B	6615
Diisopropyl ether	636.	ug/l	100.	20.0	4/22/05	19:15	S. Udeze	8260/SA05-77	7296
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/27/05	21:19	M. Ricke	8011	5581
METALS									
Lead	ND	ug/l	5.0	1.0	4/22/05	14:01	C. Otero	6010B	5982

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55961
Sample ID: PW-1R
Project: C-04-12-008

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	121.	70. - 130.
VOA Surr Toluene-d8	100.	78. - 121.
VOA Surr, 4-BFB	103.	78. - 126.
VOA Surr, DBFM	106.	79. - 122.
Surr., 1,3-DCB	108.	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55962
Sample ID: RW-1R
Sample Type: Water
Site ID:

Date Collected: 4/20/05
Time Collected: 16:30
Date Received: 4/21/05
Time Received: 7:45

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	9700	ug/l	500.	500.	4/26/05	23:29	C. Wani	8260B	329
Toluene	17000	ug/l	500.	500.	4/26/05	23:29	C. Wani	8260B	329
Ethylbenzene	2800	ug/l	20.0	20.0	4/26/05	23:02	C. Wani	8260B	310
Xylenes (Total)	7150	ug/l	500.	500.	4/26/05	23:29	C. Wani	8260B	329
Methyl-t-butyl ether	3100	ug/l	500.	500.	4/26/05	23:29	C. Wani	8260B	329
Naphthalene	932.	ug/l	100.	20.0	4/26/05	23:02	C. Wani	8260B	310
Ethyl-t-butylether	ND	ug/l	20.0	20.0	4/26/05	23:02	C. Wani	8260B	310
tert-amyl methyl ether	1080	ug/L	20.0	20.0	4/26/05	23:02	C. Wani	8260B	310
Tertiary butyl alcohol	1470	ug/l	200.	20.0	4/26/05	23:02	C. Wani	8260B	310
1,2-Dichloroethane	ND	ug/l	20.0	20.0	4/26/05	23:02	C. Wani	8260B	310
Ethanol	ND	ug/L	2000	20.0	4/26/05	23:02	C. Wani	8260B	310
t-Amyl Alcohol	14500	ug/L	200.	20.0	4/27/05	12:31	A. Steimle	8260B	593
t-Butyl Formate	ND	ug/L	200.	20.0	4/26/05	23:02	C. Wani	8260B	310
Ethyl-t-butyl alcohol	3320	ug/L	200.	20.0	4/26/05	23:02	C. Wani	8260B	310
Diisopropyl ether	3840	ug/l	100.	20.0	4/26/05	23:02	C. Wani	8260/SA05-77	310
VOLATILE ORGANICS by GC									
Ethylene Dibromide	4.32	ug/l	0.99	50.0	4/28/05	3:28	M. Ricke	8011	5583
METALS									
Lead	50.0	ug/l	5.0	1.0	4/22/05	14:01	C. Otero	6010B	5982

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55962
Sample ID: RW-1R
Project: C-04-12-008

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	82.	70. - 130.
VOA Surr Toluene-d8	97.	78. - 121.
VOA Surr, 4-BFB	99.	78. - 126.
VOA Surr, DBFM	96.	79. - 122.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
8260 PQL's elevated due to sample matrix.
Analysis at a lower dilution did not meet method QC requirements.
EDB surrogate was diluted out due to sample matrix.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55963
Sample ID: DMW-3
Sample Type: Water
Site ID:

Date Collected: 4/20/05
Time Collected: 14:30
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	6350	ug/l	50.0	50.0	4/28/05	21:27	M.Himelick	8260B	3017
Toluene	4600	ug/l	50.0	50.0	4/28/05	21:27	M.Himelick	8260B	3017
Ethylbenzene	265.	ug/l	50.0	50.0	4/28/05	21:27	M.Himelick	8260B	3017
Xylenes (Total)	2400	ug/l	50.0	50.0	4/28/05	21:27	M.Himelick	8260B	3017
Methyl-t-butyl ether	5350	ug/l	50.0	50.0	4/28/05	21:27	M.Himelick	8260B	3017
Naphthalene	86.7	ug/l	5.00	1.0	4/28/05	21:03	M.Himelick	8260B	2995
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/28/05	21:03	M.Himelick	8260B	2995
tert-amyl methyl ether	360.	ug/L	50.0	50.0	4/28/05	21:27	M.Himelick	8260B	3017
Tertiary butyl alcohol	1810	ug/l	10.0	1.0	4/28/05	21:03	M.Himelick	8260B	2995
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/28/05	21:03	M.Himelick	8260B	2995
Ethanol	ND	ug/L	100.	1.0	4/28/05	21:03	M.Himelick	8260B	2995
t-Amyl Alcohol	11700	ug/L	500.	50.0	4/28/05	21:27	M.Himelick	8260B	3017
t-Butyl Formate	ND	ug/L	10.0	1.0	4/28/05	21:03	M.Himelick	8260B	2995
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1.0	4/28/05	21:03	M.Himelick	8260B	2995
Diisopropyl ether	1430	ug/l	250.	50.0	4/28/05	21:27	M.Himelick	8260/SA05-77	3017
VOLATILE ORGANICS by GC									
Ethylene Dibromide	1.08	ug/l	0.02	1.0	4/29/05	10:21	M. Ricke	8011	6593
METALS									
Lead	ND	ug/l	5.0	1.0	4/29/05	10:24	G.McCord	6010B	2250

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55963
Sample ID: DMW-3
Project: C-04-12-008

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	99.	70. - 130.
VOA Surr Toluene-d8	98.	78. - 121.
VOA Surr, 4-BFB	97.	78. - 126.
VOA Surr, DBFM	99.	79. - 122.
Surr., 1,3-DCB	95.0	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55964
Sample ID: MW-27
Sample Type: Ground water
Site ID:

Date Collected: 4/20/05
Time Collected: 11:15
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	4/22/05	17:16	S. Udeze	8260B	7296
Toluene	1.0	ug/l	1.0	1.0	4/22/05	17:16	S. Udeze	8260B	7296
Ethylbenzene	ND	ug/l	1.0	1.0	4/22/05	17:16	S. Udeze	8260B	7296
Xylenes (Total)	ND	ug/l	1.0	1.0	4/22/05	17:16	S. Udeze	8260B	7296
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/22/05	17:16	S. Udeze	8260B	7296
Naphthalene	ND	ug/l	5.00	1.0	4/22/05	17:16	S. Udeze	8260B	7296
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/22/05	17:16	S. Udeze	8260B	7296
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/22/05	17:16	S. Udeze	8260B	7296
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/29/05	10:15	S. Edwards	8260B	2655
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/22/05	17:16	S. Udeze	8260B	7296
Ethanol	ND	ug/L	100.	1.0	4/22/05	17:16	S. Udeze	8260B	7296
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/22/05	17:16	S. Udeze	8260B	7296
t-Butyl Formate	ND	ug/L	10.0	1.0	4/22/05	17:16	S. Udeze	8260B	7296
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1.0	4/22/05	17:16	S. Udeze	8260B	7296
Diisopropyl ether	ND	ug/l	5.00	1.0	4/22/05	17:16	S. Udeze	8260/SA05-77	7296
VOLATILE ORGANICS by GC									
Ethylene Dibromide	11.1	ug/l	0.98	50.0	4/28/05	12:41	M. Ricke	8011	5583
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/22/05	12:19	K. Roberso	RSK175M	5577
METALS									
Iron, Dissolved	556.	ug/l	50.0	1.0	4/23/05	12:53	K. Ahmed	6010B	5986
Lead	ND	ug/l	5.0	1.0	4/22/05	14:01	C. Otero	6010B	5982

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55964
Sample ID: MW-27
Project: C-04-12-008

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	4.85	mg/l	0.10	1.0	4/21/05	14:38	G. Baun	9056	5468
Sulfate	61.2	mg/l	3.00	3.0	4/21/05	14:38	G. Baun	9056	5468

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	115.	70. - 130.
VOA Surr Toluene-d8	100.	78. - 121.
VOA Surr, 4-BFB	102.	78. - 126.
VOA Surr, DBFM	105.	79. - 122.
Surr - Acetylene	96.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.
EDB surrogate was diluted out due to sample matrix.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55965
Sample ID: MW-28
Sample Type: Ground water
Site ID:

Date Collected: 4/20/05
Time Collected: 11:30
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	4/22/05	17:45	S. Udeze	8260B	7296
Toluene	ND	ug/l	1.0	1.0	4/22/05	17:45	S. Udeze	8260B	7296
Ethylbenzene	ND	ug/l	1.0	1.0	4/22/05	17:45	S. Udeze	8260B	7296
Xylenes (Total)	ND	ug/l	1.0	1.0	4/22/05	17:45	S. Udeze	8260B	7296
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/22/05	17:45	S. Udeze	8260B	7296
Naphthalene	ND	ug/l	5.00	1.0	4/22/05	17:45	S. Udeze	8260B	7296
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/22/05	17:45	S. Udeze	8260B	7296
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/22/05	17:45	S. Udeze	8260B	7296
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/29/05	10:41	S. Edwards	8260B	2655
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/22/05	17:45	S. Udeze	8260B	7296
Ethanol	ND	ug/L	100.	1.0	4/22/05	17:45	S. Udeze	8260B	7296
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/22/05	17:45	S. Udeze	8260B	7296
t-Butyl Formate	ND	ug/L	10.0	1.0	4/22/05	17:45	S. Udeze	8260B	7296
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1.0	4/22/05	17:45	S. Udeze	8260B	7296
Diisopropyl ether	ND	ug/l	5.00	1.0	4/22/05	17:45	S. Udeze	8260/SA05-77	7296
VOLATILE ORGANICS by GC									
Ethylene Dibromide	5.17	ug/l	1.01	50.0	4/28/05	14:38	M. Ricke	8011	5583
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/22/05	12:23	K. Roberso	RSK175M	5577
METALS									
Iron, Dissolved	87.0	ug/l	50.0	1.0	4/23/05	12:53	K. Ahmed	6010B	5986
Lead	ND	ug/l	5.0	1.0	4/22/05	14:01	C. Otero	6010B	5982

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55965
Sample ID: MW-28
Project: C-04-12-008

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	2.54	mg/l	0.10	1.0	4/21/05	14:38	G. Baun	9056	5468
Sulfate	33.0	mg/l	1.00	1.0	4/21/05	14:38	G. Baun	9056	5468

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	119.	70. - 130.
VOA Surr Toluene-d8	100.	78. - 121.
VOA Surr, 4-BFB	99.	78. - 126.
VOA Surr, DBFM	107.	79. - 122.
Surr - Acetylene	95.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.
EDB surrogate was diluted out due to sample matrix.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55966
Sample ID: MW-29
Sample Type: Ground water
Site ID:

Date Collected: 4/20/05
Time Collected: 11:45
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	4/22/05	9:43	S. Udeze	8260B	6615
Toluene	ND	ug/l	1.0	1.0	4/22/05	9:43	S. Udeze	8260B	6615
Ethylbenzene	ND	ug/l	1.0	1.0	4/22/05	9:43	S. Udeze	8260B	6615
Xylenes (Total)	ND	ug/l	1.0	1.0	4/22/05	9:43	S. Udeze	8260B	6615
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/22/05	9:43	S. Udeze	8260B	6615
Naphthalene	ND	ug/l	5.00	1.0	4/22/05	9:43	S. Udeze	8260B	6615
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/22/05	9:43	S. Udeze	8260B	6615
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/22/05	9:43	S. Udeze	8260B	6615
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/22/05	9:43	S. Udeze	8260B	6615
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/22/05	9:43	S. Udeze	8260B	6615
Ethanol	ND	ug/L	100.	1.0	4/22/05	9:43	S. Udeze	8260B	6615
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/22/05	9:43	S. Udeze	8260B	6615
t-Butyl Formate	ND	ug/L	10.0	1.0	4/22/05	9:43	S. Udeze	8260B	6615
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1.0	4/22/05	9:43	S. Udeze	8260B	6615
Diisopropyl ether	ND	ug/l	5.00	1.0	4/22/05	9:43	S. Udeze	8260/SA05-77	6615
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/28/05	4:26	M. Ricke	8011	5583
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/22/05	12:33	K. Roberso	RSK175M	5577
METALS									
Iron, Dissolved	68.0	ug/l	50.0	1.0	4/23/05	12:53	K. Ahmed	6010B	5986
Lead	86.0	ug/l	5.0	1.0	4/22/05	14:01	C. Otero	6010B	5982

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55966
Sample ID: MW-29
Project: C-04-12-008

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	2.64	mg/l	0.10	1.0	4/21/05	14:38	G. Baun	9056	5468
Sulfate	21.4	mg/l	1.00	1.0	4/21/05	14:38	G. Baun	9056	5468

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	107.	70. - 130.
VOA Surr Toluene-d8	100.	78. - 121.
VOA Surr, 4-BFB	94.	78. - 126.
VOA Surr, DBFM	100.	79. - 122.
Surr., 1,3-DCB	88.0	83. - 134.
Surr - Acetylene	95.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55967
Sample ID: MW-30
Sample Type: Ground water
Site ID:

Date Collected: 4/20/05
Time Collected: 12:00
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	4/22/05	10:13	S. Udeze	8260B	6615
Toluene	ND	ug/l	1.0	1.0	4/22/05	10:13	S. Udeze	8260B	6615
Ethylbenzene	ND	ug/l	1.0	1.0	4/22/05	10:13	S. Udeze	8260B	6615
Xylenes (Total)	ND	ug/l	1.0	1.0	4/22/05	10:13	S. Udeze	8260B	6615
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/22/05	10:13	S. Udeze	8260B	6615
Naphthalene	ND	ug/l	5.00	1.0	4/22/05	10:13	S. Udeze	8260B	6615
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/22/05	10:13	S. Udeze	8260B	6615
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/22/05	10:13	S. Udeze	8260B	6615
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/22/05	10:13	S. Udeze	8260B	6615
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/22/05	10:13	S. Udeze	8260B	6615
Ethanol	ND	ug/L	100.	1.0	4/22/05	10:13	S. Udeze	8260B	6615
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/22/05	10:13	S. Udeze	8260B	6615
t-Butyl Formate	ND	ug/L	10.0	1.0	4/22/05	10:13	S. Udeze	8260B	6615
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1.0	4/22/05	10:13	S. Udeze	8260B	6615
Diisopropyl ether	ND	ug/l	5.00	1.0	4/22/05	10:13	S. Udeze	8260/SA05-77	6615
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/28/05	4:46	M. Ricke	8011	5583
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/22/05	12:39	K. Roberso	RSK175M	5577
METALS									
Iron, Dissolved	102.	ug/l	50.0	1.0	4/23/05	12:53	K. Ahmed	6010B	5986
Lead	ND	ug/l	5.0	1.0	4/22/05	14:01	C. Otero	6010B	5982

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55967
Sample ID: MW-30
Project: C-04-12-008

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	1.49	mg/l	0.10	1.0	4/21/05	14:38	G. Baun	9056	5468
Sulfate	48.8	mg/l	2.00	2.0	4/21/05	14:38	G. Baun	9056	5468

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	110.	70. - 130.
VOA Surr Toluene-d8	99.	78. - 121.
VOA Surr, 4-BFB	100.	78. - 126.
VOA Surr, DBFM	102.	79. - 122.
Surr., 1,3-DCB	101.	83. - 134.
Surr - Acetylene	96.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55968
Sample ID: MW-31
Sample Type: Ground water
Site ID:

Date Collected: 4/20/05
Time Collected: 12:15
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	227.	ug/l	10.0	10.0	4/22/05	18:45	S. Udeze	8260B	7296
Toluene	251.	ug/l	10.0	10.0	4/22/05	18:45	S. Udeze	8260B	7296
Ethylbenzene	261.	ug/l	10.0	10.0	4/22/05	18:45	S. Udeze	8260B	7296
Xylenes (Total)	450.	ug/l	1.0	1.0	4/22/05	10:43	S. Udeze	8260B	6615
Methyl-t-butyl ether	2.2	ug/l	1.0	1.0	4/22/05	10:43	S. Udeze	8260B	6615
Naphthalene	82.9	ug/l	5.00	1.0	4/22/05	10:43	S. Udeze	8260B	6615
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/22/05	10:43	S. Udeze	8260B	6615
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/22/05	10:43	S. Udeze	8260B	6615
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/22/05	10:43	S. Udeze	8260B	6615
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/22/05	10:43	S. Udeze	8260B	6615
Ethanol	ND	ug/L	100.	1.0	4/22/05	10:43	S. Udeze	8260B	6615
t-Amyl Alcohol	1100	ug/L	10.0	1.0	4/22/05	10:43	S. Udeze	8260B	6615
t-Butyl Formate	ND	ug/L	10.0	1.0	4/22/05	10:43	S. Udeze	8260B	6615
Ethyl-t-butyl alcohol	329.	ug/L	10.0	1.0	4/22/05	10:43	S. Udeze	8260B	6615
Diisopropyl ether	ND	ug/l	5.00	1.0	4/22/05	10:43	S. Udeze	8260/SA05-77	6615
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/28/05	5:05	M. Ricke	8011	5583
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/22/05	12:41	K. Roberso	RSK175M	5577
METALS									
Iron, Dissolved	12800	ug/l	50.0	1.0	4/23/05	12:53	K. Ahmed	6010B	5986
Lead	ND	ug/l	5.0	1.0	4/22/05	14:01	C. Otero	6010B	5982

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55968
Sample ID: MW-31
Project: C-04-12-008

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/l	0.10	1.0	4/21/05	14:38	G. Baun	9056	5468
Sulfate	ND	mg/l	1.00	1.0	4/21/05	14:38	G. Baun	9056	5468

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	116.	70. - 130.
VOA Surr Toluene-d8	100.	78. - 121.
VOA Surr, 4-BFB	99.	78. - 126.
VOA Surr, DBFM	103.	79. - 122.
Surr., 1,3-DCB	94.0	83. - 134.
Surr - Acetylene	99.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55969
Sample ID: MW-33
Sample Type: Ground water
Site ID:

Date Collected: 4/20/05
Time Collected: 12:45
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	3860	ug/l	200.	200.	4/22/05	20:14	S. Udeze	8260B	7994
Toluene	7820	ug/l	200.	200.	4/22/05	20:14	S. Udeze	8260B	7994
Ethylbenzene	938.	ug/l	20.0	20.0	4/22/05	20:44	S. Udeze	8260B	7296
Xylenes (Total)	4660	ug/l	20.0	20.0	4/22/05	20:44	S. Udeze	8260B	7296
Methyl-t-butyl ether	25.6	ug/l	1.0	1.0	4/22/05	11:12	S. Udeze	8260B	6615
Naphthalene	164.	ug/l	5.00	1.0	4/22/05	11:12	S. Udeze	8260B	6615
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/22/05	11:12	S. Udeze	8260B	6615
tert-amyl methyl ether	65.5	ug/L	1.0	1.0	4/22/05	11:12	S. Udeze	8260B	6615
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/22/05	11:12	S. Udeze	8260B	6615
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/22/05	11:12	S. Udeze	8260B	6615
Ethanol	ND	ug/L	100.	1.0	4/22/05	11:12	S. Udeze	8260B	6615
t-Amyl Alcohol	13100	ug/L	200.	20.0	4/22/05	20:44	S. Udeze	8260B	7296
t-Butyl Formate	ND	ug/L	10.0	1.0	4/22/05	11:12	S. Udeze	8260B	6615
Ethyl-t-butyl alcohol	1190	ug/L	10.0	1.0	4/22/05	11:12	S. Udeze	8260B	6615
Diisopropyl ether	392.	ug/l	100.	20.0	4/22/05	20:44	S. Udeze	8260/SA05-77	7296
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/28/05	5:44	M. Ricke	8011	5583
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/22/05	12:44	K. Roberso	RSK175M	5577
METALS									
Iron, Dissolved	9990	ug/l	50.0	1.0	4/23/05	12:53	K. Ahmed	6010B	5986
Lead	27.0	ug/l	5.0	1.0	4/22/05	14:01	C. Otero	6010B	5982

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55969
Sample ID: MW-33
Project: C-04-12-008

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	0.30	mg/l	0.10	1.0	4/21/05	14:38	G. Baun	9056	5468
Sulfate	24.2	mg/l	1.00	1.0	4/21/05	14:38	G. Baun	9056	5468

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	123.	70. - 130.
VOA Surr Toluene-d8	103.	78. - 121.
VOA Surr, 4-BFB	100.	78. - 126.
VOA Surr, DBFM	108.	79. - 122.
Surr., 1,3-DCB	115.	83. - 134.
Surr - Acetylene	99.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55970
Sample ID: MW-34
Sample Type: Ground water
Site ID:

Date Collected: 4/20/05
Time Collected: 13:00
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	2020	ug/l	200.	200.	4/22/05	21:43	S. Udeze	8260B	7296
Toluene	9180	ug/l	200.	200.	4/22/05	21:43	S. Udeze	8260B	7296
Ethylbenzene	1840	ug/l	200.	200.	4/22/05	21:43	S. Udeze	8260B	7296
Xylenes (Total)	10300	ug/l	200.	200.	4/22/05	21:43	S. Udeze	8260B	7296
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/22/05	11:42	S. Udeze	8260B	6615
Naphthalene	1060	ug/l	1000	200.	4/22/05	21:43	S. Udeze	8260B	7296
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/22/05	11:42	S. Udeze	8260B	6615
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/22/05	11:42	S. Udeze	8260B	6615
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/22/05	11:42	S. Udeze	8260B	6615
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/22/05	11:42	S. Udeze	8260B	6615
Ethanol	ND	ug/L	100.	1.0	4/22/05	11:42	S. Udeze	8260B	6615
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/22/05	11:42	S. Udeze	8260B	6615
t-Butyl Formate	ND	ug/L	10.0	1.0	4/22/05	11:42	S. Udeze	8260B	6615
Ethyl-t-butyl alcohol	779.	ug/L	10.0	1.0	4/22/05	11:42	S. Udeze	8260B	6615
Diisopropyl ether	34.1	ug/l	5.00	1.0	4/22/05	11:42	S. Udeze	8260/SA05-77	6615
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/28/05	6:03	M. Ricke	8011	5583
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/22/05	12:47	K. Roberso	RSK175M	5577
METALS									
Iron, Dissolved	1690	ug/l	50.0	1.0	4/23/05	12:53	K. Ahmed	6010B	5986
Lead	ND	ug/l	5.0	1.0	4/22/05	14:01	C. Otero	6010B	5982

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55970
Sample ID: MW-34
Project: C-04-12-008

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/l	0.10	1.0	4/21/05	14:38	G. Baun	9056	5468
Sulfate	5.85	mg/l	1.00	1.0	4/21/05	14:38	G. Baun	9056	5468

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	122.	70. - 130.
VOA Surr Toluene-d8	103.	78. - 121.
VOA Surr, 4-BFB	106.	78. - 126.
VOA Surr, DBFM	107.	79. - 122.
Surr., 1,3-DCB	94.0	83. - 134.
Surr - Acetylene	100.	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55971
Sample ID: MW-35
Sample Type: Ground water
Site ID:

Date Collected: 4/20/05
Time Collected: 13:15
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	4090	ug/l	100.	100.	4/27/05	0:24	C. Wani	8260B	329
Toluene	4060	ug/l	100.	100.	4/27/05	0:24	C. Wani	8260B	329
Ethylbenzene	296.	ug/l	10.0	10.0	4/26/05	23:56	C. Wani	8260B	310
Xylenes (Total)	1590	ug/l	10.0	10.0	4/26/05	23:56	C. Wani	8260B	310
Methyl-t-butyl ether	1730	ug/l	10.0	10.0	4/26/05	23:56	C. Wani	8260B	310
Naphthalene	238.	ug/l	50.0	10.0	4/26/05	23:56	C. Wani	8260B	310
Ethyl-t-butylether	ND	ug/l	10.0	10.0	4/26/05	23:56	C. Wani	8260B	310
tert-amyl methyl ether	286.	ug/L	10.0	10.0	4/26/05	23:56	C. Wani	8260B	310
Tertiary butyl alcohol	536.	ug/l	100.	10.0	4/26/05	23:56	C. Wani	8260B	310
1,2-Dichloroethane	ND	ug/l	10.0	10.0	4/26/05	23:56	C. Wani	8260B	310
Ethanol	ND	ug/L	1000	10.0	4/26/05	23:56	C. Wani	8260B	310
t-Amyl Alcohol	11400	ug/L	100.	10.0	4/27/05	12:55	A. Steimle	8260B	593
t-Butyl Formate	ND	ug/L	100.	10.0	4/26/05	23:56	C. Wani	8260B	310
Ethyl-t-butyl alcohol	2010	ug/L	100.	10.0	4/26/05	23:56	C. Wani	8260B	310
Diisopropyl ether	1200	ug/l	50.0	10.0	4/26/05	23:56	C. Wani	8260/SA05-77	310
VOLATILE ORGANICS by GC									
Ethylene Dibromide	0.03	ug/l	0.02	1.0	4/28/05	6:23	M. Ricke	8011	5583
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/22/05	12:49	K. Roberso	RSK175M	5577
METALS									
Iron, Dissolved	5300	ug/l	50.0	1.0	4/23/05	12:53	K. Ahmed	6010B	5986
Lead	36.0	ug/l	5.0	1.0	4/22/05	14:01	C. Otero	6010B	5982

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55971
Sample ID: MW-35
Project: C-04-12-008

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	4.62	mg/l	0.10	1.0	4/21/05	14:38	G. Baun	9056	5468
Sulfate	2.01	mg/l	1.00	1.0	4/21/05	14:38	G. Baun	9056	5468

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	81.	70. - 130.
VOA Surr Toluene-d8	98.	78. - 121.
VOA Surr, 4-BFB	98.	78. - 126.
VOA Surr, DBFM	95.	79. - 122.
Surr - Acetylene	102.	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.
8260 PQL's elevated due to sample matrix.
Analysis at a lower dilution did not meet method QC requirements.
EDB surrogate not reported due to sample matrix.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55972
Sample ID: MW-36
Sample Type: Ground water
Site ID:

Date Collected: 4/20/05
Time Collected: 13:30
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	302.	ug/l	10.0	10.0	4/27/05	11:37	S. Udeze	8260B	7996
Toluene	621.	ug/l	10.0	10.0	4/27/05	11:37	S. Udeze	8260B	7996
Ethylbenzene	165.	ug/l	1.0	1.0	4/22/05	22:13	S. Udeze	8260B	7296
Xylenes (Total)	427.	ug/l	1.0	1.0	4/22/05	22:13	S. Udeze	8260B	7296
Methyl-t-butyl ether	3.7	ug/l	1.0	1.0	4/22/05	22:13	S. Udeze	8260B	7296
Naphthalene	29.4	ug/l	5.00	1.0	4/22/05	22:13	S. Udeze	8260B	7296
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/22/05	22:13	S. Udeze	8260B	7296
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/22/05	22:13	S. Udeze	8260B	7296
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/29/05	22:13	S. Edwards	8260B	2655
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/22/05	22:13	S. Udeze	8260B	7296
Ethanol	ND	ug/L	100.	1.0	4/22/05	22:13	S. Udeze	8260B	7296
t-Amyl Alcohol	2000	ug/L	10.0	1.0	4/22/05	22:13	S. Udeze	8260B	7296
t-Butyl Formate	ND	ug/L	10.0	1.0	4/22/05	22:13	S. Udeze	8260B	7296
Ethyl-t-butyl alcohol	326.	ug/L	10.0	1.0	4/22/05	22:13	S. Udeze	8260B	7296
Diisopropyl ether	ND	ug/l	5.00	1.0	4/22/05	22:13	S. Udeze	8260/SA05-77	7296
VOLATILE ORGANICS by GC									
Ethylene Dibromide	0.48	ug/l	0.02	1.0	4/28/05	6:42	M. Ricke	8011	5583
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/22/05	12:58	K. Roberso	RSK175M	5577
METALS									
Iron, Dissolved	4630	ug/l	50.0	1.0	4/23/05	12:53	K. Ahmed	6010B	5986
Lead	ND	ug/l	5.0	1.0	4/22/05	14:01	C. Otero	6010B	5982

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55972
Sample ID: MW-36
Project: C-04-12-008

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/l	0.10	1.0	4/21/05	14:38	G. Baun	9056	5468
Sulfate	20.5	mg/l	1.00	1.0	4/21/05	14:38	G. Baun	9056	5468

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	95.	70. - 130.
VOA Surr Toluene-d8	94.	78. - 121.
VOA Surr, 4-BFB	94.	78. - 126.
VOA Surr, DBFM	94.	79. - 122.
Surr., 1,3-DCB	68.0 #	83. - 134.
Surr - Acetylene	96.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.
The EDB surrogate recovery was outside laboratory historical limits. The recovery was within the method default limits of 60-140%, therefore the data was accepted without further analysis.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55973
Sample ID: MW-37
Sample Type: Ground water
Site ID:

Date Collected: 4/20/05
Time Collected: 13:45
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	764.	ug/l	20.0	20.0	4/27/05	12:07	S. Udeze	8260B	7996
Toluene	1750	ug/l	20.0	20.0	4/27/05	12:07	S. Udeze	8260B	7996
Ethylbenzene	780.	ug/l	20.0	20.0	4/27/05	12:07	S. Udeze	8260B	7996
Xylenes (Total)	1870	ug/l	20.0	20.0	4/27/05	12:07	S. Udeze	8260B	7996
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/22/05	22:42	S. Udeze	8260B	7296
Naphthalene	158.	ug/l	5.00	1.0	4/22/05	22:42	S. Udeze	8260B	7296
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/22/05	22:42	S. Udeze	8260B	7296
tert-amyl methyl ether	2.4	ug/L	1.0	1.0	4/22/05	22:42	S. Udeze	8260B	7296
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/29/05	11:32	S. Edwards	8260B	2655
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/22/05	22:42	S. Udeze	8260B	7296
Ethanol	ND	ug/L	100.	1.0	4/22/05	22:42	S. Udeze	8260B	7296
t-Amyl Alcohol	1420	ug/L	10.0	1.0	4/22/05	22:42	S. Udeze	8260B	7296
t-Butyl Formate	ND	ug/L	10.0	1.0	4/22/05	22:42	S. Udeze	8260B	7296
Ethyl-t-butyl alcohol	1100	ug/L	10.0	1.0	4/22/05	22:42	S. Udeze	8260B	7296
Diisopropyl ether	14.2	ug/l	5.00	1.0	4/22/05	22:42	S. Udeze	8260/SA05-77	7296
VOLATILE ORGANICS by GC									
Ethylene Dibromide	2.01	ug/l	0.21	10.0	4/28/05	14:57	M. Ricke	8011	5583
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/22/05	13:02	K. Roberso	RSK175M	5577
METALS									
Iron, Dissolved	8110	ug/l	50.0	1.0	4/23/05	12:53	K. Ahmed	6010B	5986
Lead	ND	ug/l	5.0	1.0	4/22/05	14:01	C. Otero	6010B	5982

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55973
Sample ID: MW-37
Project: C-04-12-008

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/l	0.10	1.0	4/21/05	14:38	G. Baun	9056	5468
Sulfate	1.88	mg/l	1.00	1.0	4/21/05	14:38	G. Baun	9056	5468

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	94.	70. - 130.
VOA Surr Toluene-d8	94.	78. - 121.
VOA Surr, 4-BFB	94.	78. - 126.
VOA Surr, DBFM	94.	79. - 122.
Surr - Acetylene	105.	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.
EDB surrogate diluted out due to sample matrix.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55974
Sample ID: MW-38
Sample Type: Ground water
Site ID:

Date Collected: 4/20/05
Time Collected: 14:00
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	4/27/05	12:27	S. Udeze	8260B	579
Toluene	ND	ug/l	1.0	1.0	4/27/05	12:27	S. Udeze	8260B	579
Ethylbenzene	ND	ug/l	1.0	1.0	4/27/05	12:27	S. Udeze	8260B	579
Xylenes (Total)	ND	ug/l	1.0	1.0	4/27/05	12:27	S. Udeze	8260B	579
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/27/05	12:27	S. Udeze	8260B	579
Naphthalene	ND	ug/l	5.00	1.0	4/27/05	12:27	S. Udeze	8260B	579
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/27/05	12:27	S. Udeze	8260B	579
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/27/05	12:27	S. Udeze	8260B	579
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/27/05	12:27	S. Udeze	8260B	579
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/27/05	12:27	S. Udeze	8260B	579
Ethanol	ND	ug/L	100.	1.0	4/27/05	12:27	S. Udeze	8260B	579
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/27/05	12:27	S. Udeze	8260B	579
t-Butyl Formate	ND	ug/L	10.0	1.0	4/27/05	12:27	S. Udeze	8260B	579
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1.0	4/27/05	12:27	S. Udeze	8260B	579
Diisopropyl ether	ND	ug/l	5.00	1.0	4/27/05	12:27	S. Udeze	8260/SA05-77	579
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/28/05	7:21	M. Ricke	8011	5583
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/22/05	13:04	K. Roberso	RSK175M	5577
METALS									
Iron, Dissolved	1030	ug/l	50.0	1.0	4/23/05	12:53	K. Ahmed	6010B	5986
Lead	ND	ug/l	5.0	1.0	4/22/05	16:50	K. Ahmed	6010B	5983

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55974
Sample ID: MW-38
Project: C-04-12-008

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	3.47	mg/l	0.10	1.0	4/21/05	14:38	G. Baun	9056	5468
Sulfate	5.02	mg/l	1.00	1.0	4/21/05	14:38	G. Baun	9056	5468

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	110.	70. - 130.
VOA Surr Toluene-d8	101.	78. - 121.
VOA Surr, 4-BFB	110.	78. - 126.
VOA Surr, DBFM	111.	79. - 122.
Surr., 1,3-DCB	64.0 #	83. - 134.
Surr - Acetylene	105.	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.
The EDB surrogate recovery was outside laboratory historical limits. The recovery was within the method default limits of 60-140%, therefore the data was accepted without further analysis.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55975
Sample ID: MW-39
Sample Type: Ground water
Site ID:

Date Collected: 4/20/05
Time Collected: 14:15
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	3680	ug/l	20.0	20.0	4/27/05	0:51	C. Wani	8260B	310
Toluene	23200	ug/l	500.	500.	4/27/05	1:18	C. Wani	8260B	329
Ethylbenzene	3050	ug/l	500.	500.	4/27/05	1:18	C. Wani	8260B	329
Xylenes (Total)	16800	ug/l	500.	500.	4/27/05	1:18	C. Wani	8260B	329
Methyl-t-butyl ether	66.0	ug/l	20.0	20.0	4/27/05	0:51	C. Wani	8260B	310
Naphthalene	2120	ug/l	100.	20.0	4/27/05	0:51	C. Wani	8260B	310
Ethyl-t-butylether	ND	ug/l	20.0	20.0	4/27/05	0:51	C. Wani	8260B	310
tert-amyl methyl ether	ND	ug/L	20.0	20.0	4/27/05	0:51	C. Wani	8260B	310
Tertiary butyl alcohol	ND	ug/l	200.	20.0	4/27/05	0:51	C. Wani	8260B	310
1,2-Dichloroethane	ND	ug/l	20.0	20.0	4/27/05	0:51	C. Wani	8260B	310
Ethanol	ND	ug/L	2000	20.0	4/27/05	0:51	C. Wani	8260B	310
t-Amyl Alcohol	2180	ug/L	200.	20.0	4/27/05	13:18	A. Steimle	8260B	593
t-Butyl Formate	ND	ug/L	200.	20.0	4/27/05	0:51	C. Wani	8260B	310
Ethyl-t-butyl alcohol	1920	ug/L	200.	20.0	4/27/05	0:51	C. Wani	8260B	310
Diisopropyl ether	ND	ug/l	100.	20.0	4/27/05	0:51	C. Wani	8260/SA05-77	310
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/28/05	7:41	M. Ricke	8011	5583
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/22/05	13:07	K. Roberso	RSK175M	5577
METALS									
Iron, Dissolved	ND	ug/l	50.0	1.0	4/23/05	12:53	K. Ahmed	6010B	5986
Lead	121.	ug/l	5.0	1.0	4/22/05	16:50	K. Ahmed	6010B	5983

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55975
Sample ID: MW-39
Project: C-04-12-008

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/l	0.10	1.0	4/21/05	14:38	G. Baun	9056	5468
Sulfate	16.9	mg/l	1.00	1.0	4/21/05	14:38	G. Baun	9056	5468

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	82.	70. - 130.
VOA Surr Toluene-d8	97.	78. - 121.
VOA Surr, 4-BFB	98.	78. - 126.
VOA Surr, DBFM	98.	79. - 122.
Surr., 1,3-DCB	110.	83. - 134.
Surr - Acetylene	107.	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.
8260 PQL's elevated due to sample matrix.
Analysis at a lower dilution did not meet method QC requirements.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55976
Sample ID: MW-40
Sample Type: Ground water
Site ID:

Date Collected: 4/20/05
Time Collected: 14:30
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	1940	ug/l	200.	200.	4/27/05	13:36	S. Udeze	8260B	576
Toluene	7660	ug/l	200.	200.	4/27/05	13:36	S. Udeze	8260B	576
Ethylbenzene	3880	ug/l	20.0	20.0	4/27/05	13:06	S. Udeze	8260B	7996
Xylenes (Total)	5220	ug/l	200.	200.	4/27/05	13:36	S. Udeze	8260B	576
Methyl-t-butyl ether	1.8	ug/l	1.0	1.0	4/22/05	23:42	S. Udeze	8260B	7296
Naphthalene	1140	ug/l	100.	20.0	4/27/05	13:06	S. Udeze	8260B	7996
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/22/05	23:42	S. Udeze	8260B	7296
tert-amyl methyl ether	17.7	ug/L	1.0	1.0	4/22/05	23:42	S. Udeze	8260B	7296
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/29/05	11:24	S. Edwards	8260B	2646
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/22/05	23:42	S. Udeze	8260B	7296
Ethanol	1130	ug/L	100.	1.0	4/22/05	23:42	S. Udeze	8260B	7296
t-Amyl Alcohol	630.	ug/L	10.0	1.0	4/22/05	23:42	S. Udeze	8260B	7296
t-Butyl Formate	ND	ug/L	10.0	1.0	4/22/05	23:42	S. Udeze	8260B	7296
Ethyl-t-butyl alcohol	1290	ug/L	10.0	1.0	4/22/05	23:42	S. Udeze	8260B	7296
Diisopropyl ether	183.	ug/l	5.00	1.0	4/22/05	23:42	S. Udeze	8260/SA05-77	7296
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/28/05	8:00	M. Ricke	8011	5583
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/26/05	11:38	K. Roberso	RSK175M	5578
METALS									
Iron, Dissolved	493.	ug/l	50.0	1.0	4/23/05	12:53	K. Ahmed	6010B	5986
Lead	9.6	ug/l	5.0	1.0	4/22/05	16:50	K. Ahmed	6010B	5983

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55976
Sample ID: MW-40
Project: C-04-12-008

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/l	0.10	1.0	4/21/05	14:38	G. Baun	9056	5468
Sulfate	1.28	mg/l	1.00	1.0	4/21/05	14:38	G. Baun	9056	5468

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	94.	70. - 130.
VOA Surr Toluene-d8	93.	78. - 121.
VOA Surr, 4-BFB	92.	78. - 126.
VOA Surr, DBFM	92.	79. - 122.
Surr., 1,3-DCB	118.	83. - 134.
Surr - Acetylene	63.0 #	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55977
Sample ID: MW-41
Sample Type: Ground water
Site ID:

Date Collected: 4/20/05
Time Collected: 14:45
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	869.	ug/l	10.0	10.0	4/27/05	13:19	S. Udeze	8260B	579
Toluene	8580	ug/l	200.	200.	4/27/05	14:18	S. Udeze	8260B	614
Ethylbenzene	462.	ug/l	10.0	10.0	4/27/05	13:19	S. Udeze	8260B	579
Xylenes (Total)	2370	ug/l	10.0	10.0	4/27/05	13:19	S. Udeze	8260B	579
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/23/05	0:11	S. Udeze	8260B	7296
Naphthalene	182.	ug/l	5.00	1.0	4/23/05	0:11	S. Udeze	8260B	7296
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/23/05	0:11	S. Udeze	8260B	7296
tert-amyl methyl ether	1.6	ug/L	1.0	1.0	4/23/05	0:11	S. Udeze	8260B	7296
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/29/05	11:47	S. Edwards	8260B	2646
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/23/05	0:11	S. Udeze	8260B	7296
Ethanol	ND	ug/L	100.	1.0	4/23/05	0:11	S. Udeze	8260B	7296
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/23/05	0:11	S. Udeze	8260B	7296
t-Butyl Formate	ND	ug/L	10.0	1.0	4/23/05	0:11	S. Udeze	8260B	7296
Ethyl-t-butyl alcohol	130.	ug/L	10.0	1.0	4/23/05	0:11	S. Udeze	8260B	7296
Diisopropyl ether	19.3	ug/l	5.00	1.0	4/23/05	0:11	S. Udeze	8260/SA05-77	7296
VOLATILE ORGANICS by GC									
Ethylene Dibromide	1.98	ug/l	0.20	10.0	4/28/05	15:17	M. Ricke	8011	5583
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/26/05	11:46	K. Roberso	RSK175M	5578
METALS									
Iron, Dissolved	947.	ug/l	50.0	1.0	4/23/05	12:53	K. Ahmed	6010B	5986
Lead	ND	ug/l	5.0	1.0	4/22/05	16:50	K. Ahmed	6010B	5983

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55977
Sample ID: MW-41
Project: C-04-12-008

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	0.11	mg/l	0.10	1.0	4/21/05	14:38	G. Baun	9056	5468
Sulfate	70.0	mg/l	5.00	5.0	4/21/05	14:38	G. Baun	9056	5468

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	97.	70. - 130.
VOA Surr Toluene-d8	94.	78. - 121.
VOA Surr, 4-BFB	93.	78. - 126.
VOA Surr, DBFM	94.	79. - 122.
Surr - Acetylene	64.0 #	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.
EDB surrogate was diluted out due to sample matrix.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55978
Sample ID: MW-42
Sample Type: Ground water
Site ID:

Date Collected: 4/20/05
Time Collected: 15:00
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	16.0	ug/l	1.0	1.0	4/23/05	0:41	S. Udeze	8260B	7296
Toluene	2460	ug/l	20.0	20.0	4/27/05	12:36	S. Udeze	8260B	7996
Ethylbenzene	546.	ug/l	20.0	20.0	4/27/05	12:36	S. Udeze	8260B	7996
Xylenes (Total)	2980	ug/l	20.0	20.0	4/27/05	12:36	S. Udeze	8260B	7996
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/23/05	0:41	S. Udeze	8260B	7296
Naphthalene	124.	ug/l	5.00	1.0	4/23/05	0:41	S. Udeze	8260B	7296
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/23/05	0:41	S. Udeze	8260B	7296
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/23/05	0:41	S. Udeze	8260B	7296
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/29/05	12:09	S. Edwards	8260B	2646
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/23/05	0:41	S. Udeze	8260B	7296
Ethanol	ND	ug/L	100.	1.0	4/23/05	0:41	S. Udeze	8260B	7296
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/23/05	0:41	S. Udeze	8260B	7296
t-Butyl Formate	ND	ug/L	10.0	1.0	4/23/05	0:41	S. Udeze	8260B	7296
Ethyl-t-butyl alcohol	82.4	ug/L	10.0	1.0	4/23/05	0:41	S. Udeze	8260B	7296
Diisopropyl ether	ND	ug/l	5.00	1.0	4/23/05	0:41	S. Udeze	8260/SA05-77	7296
VOLATILE ORGANICS by GC									
Ethylene Dibromide	1.15	ug/l	0.02	1.0	4/28/05	8:39	M. Ricke	8011	5583
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/26/05	11:43	K. Roberso	RSK175M	5578
METALS									
Iron, Dissolved	476.	ug/l	50.0	1.0	4/23/05	12:53	K. Ahmed	6010B	5986
Lead	ND	ug/l	5.0	1.0	4/22/05	16:50	K. Ahmed	6010B	5983

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55978
Sample ID: MW-42
Project: C-04-12-008

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	0.54	mg/l	0.10	1.0	4/21/05	14:38	G. Baun	9056	5468
Sulfate	7.05	mg/l	1.00	1.0	4/21/05	14:38	G. Baun	9056	5468

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	96.	70. - 130.
VOA Surr Toluene-d8	95.	78. - 121.
VOA Surr, 4-BFB	95.	78. - 126.
VOA Surr, DBFM	94.	79. - 122.
Surr., 1,3-DCB	87.0	83. - 134.
Surr - Acetylene	72.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A55979
Sample ID: DW-6
Sample Type: Ground water
Site ID:

Date Collected: 4/20/05
Time Collected: 15:15
Date Received: 4/21/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	4/27/05	12:53	S. Udeze	8260B	579
Toluene	3.2	ug/l	1.0	1.0	4/27/05	12:53	S. Udeze	8260B	579
Ethylbenzene	ND	ug/l	1.0	1.0	4/27/05	12:53	S. Udeze	8260B	579
Xylenes (Total)	3.2	ug/l	1.0	1.0	4/27/05	12:53	S. Udeze	8260B	579
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/27/05	12:53	S. Udeze	8260B	579
Naphthalene	ND	ug/l	5.00	1.0	4/27/05	12:53	S. Udeze	8260B	579
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/27/05	12:53	S. Udeze	8260B	579
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/27/05	12:53	S. Udeze	8260B	579
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/27/05	12:53	S. Udeze	8260B	579
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/27/05	12:53	S. Udeze	8260B	579
Ethanol	ND	ug/L	100.	1.0	4/27/05	12:53	S. Udeze	8260B	579
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/27/05	12:53	S. Udeze	8260B	579
t-Butyl Formate	ND	ug/L	10.0	1.0	4/27/05	12:53	S. Udeze	8260B	579
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1.0	4/27/05	12:53	S. Udeze	8260B	579
Diisopropyl ether	ND	ug/l	5.00	1.0	4/27/05	12:53	S. Udeze	8260/SA05-77	579
VOLATILE ORGANICS by GC									
Ethylene Dibromide	0.11	ug/l	0.02	1.0	4/28/05	9:23	M. Ricke	8011	5583
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/26/05	11:49	K. Roberso	RSK175M	5578
METALS									
Iron, Dissolved	ND	ug/l	50.0	1.0	4/23/05	12:53	K. Ahmed	6010B	5986
Lead	23.0	ug/l	5.0	1.0	4/22/05	16:50	K. Ahmed	6010B	5983

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A55979
Sample ID: DW-6
Project: C-04-12-008

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	0.36	mg/l	0.10	1.0	4/21/05	14:38	G. Baun	9056	5468
Sulfate	37.5	mg/l	1.00	1.0	4/21/05	14:38	G. Baun	9056	5468

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	111.	70. - 130.
VOA Surr Toluene-d8	102.	78. - 121.
VOA Surr, 4-BFB	112.	78. - 126.
VOA Surr, DBFM	107.	79. - 122.
Surr., 1,3-DCB	89.0	83. - 134.
Surr - Acetylene	79.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
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Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA PARAMETERS								
Benzene	mg/l	< 0.0010	0.0481	0.0500	96	62 - 146	6615	55894
Benzene	mg/l	< 0.0003	0.0521	0.0500	104	62 - 146	7296	blank
Benzene	mg/l	< 0.0010	0.0537	0.0500	107	62 - 146	579	57982
Benzene	mg/l	< 0.0003	0.0513	0.0500	103	62 - 146	310	blank
Toluene	mg/l	< 0.0010	0.0590	0.0500	118	68 - 141	6615	55894
Toluene	mg/l	< 0.0002	0.0554	0.0500	111	68 - 141	7296	blank
Toluene	mg/l	< 0.0010	0.0540	0.0500	108	68 - 141	579	57982
Toluene	mg/l	< 0.0002	0.0493	0.0500	99	68 - 141	310	blank
VOA Surr 1,2-DCA-d4	% Rec				105	70 - 130	6615	
VOA Surr 1,2-DCA-d4	% Rec				124	70 - 130	7296	
VOA Surr 1,2-DCA-d4	% Rec				107	70 - 130	579	
VOA Surr Toluene-d8	% Rec				101	78 - 121	6615	
VOA Surr Toluene-d8	% Rec				101	78 - 121	7296	
VOA Surr Toluene-d8	% Rec				106	78 - 121	579	
VOA Surr, 4-BFB	% Rec				95	78 - 126	6615	
VOA Surr, 4-BFB	% Rec				103	78 - 126	7296	
VOA Surr, 4-BFB	% Rec				108	78 - 126	579	
VOA Surr, DBFM	% Rec				99	79 - 122	6615	
VOA Surr, DBFM	% Rec				108	79 - 122	7296	
VOA Surr, DBFM	% Rec				109	79 - 122	579	
METALS								
Lead	mg/l	< 0.0050	0.0490	0.0500	98	75. - 125.	5982	'55961
Lead	mg/l	< 0.0050	0.0480	0.0500	96	75. - 125.	5983	05-A55763
Lead	mg/l	< 0.0050	0.0600	0.0500	120	75. - 125.	2250	05-A59554

Project QC continued . . .

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MISC PARAMETERS								
Nitrate-N as N	mg/l	4.85	7.23	3.00	79#	80. - 120.	5468	05-A55964
Sulfate	mg/l	61.2	104.	45.0	95	80. - 120.	5468	05-A55964
Ethylene Dibromide	mg/l	< 0.00002	0.00030	0.00029	103	61. - 134.	5581	05-A55653
Ethylene Dibromide	mg/l	< 0.00002	0.00030	0.00029	103	61. - 134.	6593	blank
Methane	mg/L	< 0.026	1.36	1.33	102	62. - 132.	5577	blank
Methane	mg/L	< 0.026	1.35	1.33	102	62. - 132.	5578	05-A55976

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/l	0.0481	0.0502	4.27	25.	6615
Benzene	mg/l	0.0521	0.0493	5.52	25.	7296
Benzene	mg/l	0.0537	0.0533	0.75	25.	579
Benzene	mg/l	0.0513	0.0441	15.09	25.	310
Toluene	mg/l	0.0590	0.0540	8.85	29.	6615
Toluene	mg/l	0.0554	0.0539	2.74	29.	7296
Toluene	mg/l	0.0540	0.0535	0.93	29.	579
Toluene	mg/l	0.0493	0.0428	14.12	29.	310
VOA Surr 1,2-DCA-d4	% Rec		106.			6615
VOA Surr 1,2-DCA-d4	% Rec		125.			7296
VOA Surr 1,2-DCA-d4	% Rec		110.			579
VOA Surr Toluene-d8	% Rec		102.			6615
VOA Surr Toluene-d8	% Rec		105.			7296
VOA Surr Toluene-d8	% Rec		103.			579
VOA Surr, 4-BFB	% Rec		99.			6615
VOA Surr, 4-BFB	% Rec		101.			7296
VOA Surr, 4-BFB	% Rec		106.			579
VOA Surr, DBFM	% Rec		99.			6615
VOA Surr, DBFM	% Rec		105.			7296
VOA Surr, DBFM	% Rec		107.			579

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
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METALS						
Iron, Dissolved	mg/l	57.2	58.3	1.90	20	5986
Lead	mg/l	0.0490	0.0500	2.02	20	5982
Lead	mg/l	0.0480	0.0470	2.11	20	5983
Lead	mg/l	0.0600	0.0590	1.68	20	2250
MISC PARAMETERS						
Ethylene Dibromide	mg/l	0.00030	0.00008	115.79#	50	5581
Ethylene Dibromide	mg/l	0.0181	0.0547	100.55#	50	5583
Ethylene Dibromide	mg/l	0.00030	0.00030	0.00	50	6593
Methane	mg/L	1.36	1.39	2.18	50	5577
Methane	mg/L	1.35	1.33	1.49	50	5578
Nitrate-N as N	mg/l	7.23	7.24	0.14	20	5468
Sulfate	mg/l	104.	104.	0.00	20	5468

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Ethyl-t-butylether	mg/l	0.0500	0.0529	106	63 - 141	6615
Ethyl-t-butylether	mg/l	0.0500	0.0515	103	63 - 141	7296
Ethyl-t-butylether	mg/l	0.0500	0.0529	106	63 - 141	310
Ethyl-t-butylether	mg/l	0.0500	0.0488	98	63 - 141	468
Ethyl-t-butylether	mg/l	0.0500	0.0533	107	63 - 141	579
Ethyl-t-butylether	mg/l	0.0500	0.0502	100	63 - 141	2995
tert-amyl methyl ether	mg/L	0.0500	0.0532	106	63 - 133	6615
tert-amyl methyl ether	mg/L	0.0500	0.0523	105	63 - 133	7296
tert-amyl methyl ether	mg/L	0.0500	0.0524	105	63 - 133	310
tert-amyl methyl ether	mg/L	0.0500	0.0496	99	63 - 133	468
tert-amyl methyl ether	mg/L	0.0500	0.0509	102	63 - 133	579
tert-amyl methyl ether	mg/L	0.0500	0.0510	102	63 - 133	3017
Tertiary butyl alcohol	mg/l	0.500	0.272	54	41 - 160	6615
Tertiary butyl alcohol	mg/l	0.500	0.466	93	41 - 160	310

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Tertiary butyl alcohol	mg/l	0.500	0.399	80	41 - 160	579
Tertiary butyl alcohol	mg/l	0.500	0.508	102	41 - 160	724
Tertiary butyl alcohol	mg/l	0.500	0.581	116	41 - 160	2995
Benzene	mg/l	0.0500	0.0506	101	76 - 127	6615
Benzene	mg/l	0.0500	0.0482	96	76 - 127	7296
Benzene	mg/l	0.0500	0.0482	96	76 - 127	7994
Benzene	mg/l	0.0500	0.0517	103	76 - 127	310
Benzene	mg/l	0.0500	0.0517	103	76 - 127	329
Benzene	mg/l	0.0500	0.0498	100	76 - 127	484
Benzene	mg/l	0.0500	0.0496	99	76 - 127	576
Benzene	mg/l	0.0500	0.0489	98	76 - 127	579
Benzene	mg/l	0.0500	0.0496	99	76 - 127	7996
Benzene	mg/l	0.0500	0.0509	102	76 - 127	3017
1,2-Dichloroethane	mg/l	0.0500	0.0568	114	72 - 129	6615
1,2-Dichloroethane	mg/l	0.0500	0.0562	112	72 - 129	7296
1,2-Dichloroethane	mg/l	0.0500	0.0552	110	72 - 129	310
1,2-Dichloroethane	mg/l	0.0500	0.0538	108	72 - 129	468
1,2-Dichloroethane	mg/l	0.0500	0.0536	107	72 - 129	579
1,2-Dichloroethane	mg/l	0.0500	0.0522	104	72 - 129	2995
Ethylbenzene	mg/l	0.0500	0.0526	105	80 - 124	6615
Ethylbenzene	mg/l	0.0500	0.0500	100	80 - 124	7296
Ethylbenzene	mg/l	0.0500	0.0513	103	80 - 124	310
Ethylbenzene	mg/l	0.0500	0.0513	103	80 - 124	329
Ethylbenzene	mg/l	0.0500	0.0508	102	80 - 124	484
Ethylbenzene	mg/l	0.0500	0.0499	100	80 - 124	579
Ethylbenzene	mg/l	0.0500	0.0490	98	80 - 124	7996
Ethylbenzene	mg/l	0.0500	0.0507	101	80 - 124	3017
Naphthalene	mg/l	0.0500	0.0554	111	61 - 143	6615
Naphthalene	mg/l	0.0500	0.0552	110	61 - 143	7296
Naphthalene	mg/l	0.0500	0.0535	107	61 - 143	310
Naphthalene	mg/l	0.0500	0.0527	105	61 - 143	468

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Naphthalene	mg/l	0.0500	0.0527	105	61 - 143	484
Naphthalene	mg/l	0.0500	0.0519	104	61 - 143	579
Naphthalene	mg/l	0.0500	0.0524	105	61 - 143	7996
Naphthalene	mg/l	0.0500	0.0476	95	61 - 143	2995
Toluene	mg/l	0.0500	0.0504	101	79 - 124	6615
Toluene	mg/l	0.0500	0.0492	98	79 - 124	7296
Toluene	mg/l	0.0500	0.0492	98	79 - 124	7994
Toluene	mg/l	0.0500	0.0500	100	79 - 124	310
Toluene	mg/l	0.0500	0.0500	100	79 - 124	329
Toluene	mg/l	0.0500	0.0489	98	79 - 124	484
Toluene	mg/l	0.0500	0.0480	96	79 - 124	576
Toluene	mg/l	0.0500	0.0490	98	79 - 124	579
Toluene	mg/l	0.0500	0.0480	96	79 - 124	614
Toluene	mg/l	0.0500	0.0517	103	79 - 124	726
Toluene	mg/l	0.0500	0.0480	96	79 - 124	7996
Toluene	mg/l	0.0500	0.0498	100	79 - 124	3017
Xylenes (Total)	mg/l	0.150	0.160	107	80 - 125	6615
Xylenes (Total)	mg/l	0.150	0.157	105	80 - 125	7296
Xylenes (Total)	mg/l	0.150	0.154	103	80 - 125	310
Xylenes (Total)	mg/l	0.150	0.154	103	80 - 125	329
Xylenes (Total)	mg/l	0.150	0.152	101	80 - 125	484
Xylenes (Total)	mg/l	0.150	0.148	99	80 - 125	576
Xylenes (Total)	mg/l	0.150	0.150	100	80 - 125	579
Xylenes (Total)	mg/l	0.150	0.148	99	80 - 125	7996
Xylenes (Total)	mg/l	0.150	0.153	102	80 - 125	3017
Ethanol	mg/L	5.00	4.39	88	40 - 163	6615
Ethanol	mg/L	5.00	4.96	99	40 - 163	7296
Ethanol	mg/L	5.00	5.16	103	40 - 163	310
Ethanol	mg/L	5.00	4.93	99	40 - 163	468
Ethanol	mg/L	5.00	4.07	81	40 - 163	579
Ethanol	mg/L	5.00	5.03	101	40 - 163	2995

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Methyl-t-butyl ether	mg/l	0.0500	0.0484	97	66 - 136	6615
Methyl-t-butyl ether	mg/l	0.0500	0.0422	84	66 - 136	7296
Methyl-t-butyl ether	mg/l	0.0500	0.0521	104	66 - 136	310
Methyl-t-butyl ether	mg/l	0.0500	0.0521	104	66 - 136	329
Methyl-t-butyl ether	mg/l	0.0500	0.0497	99	66 - 136	468
Methyl-t-butyl ether	mg/l	0.0500	0.0497	99	66 - 136	484
Methyl-t-butyl ether	mg/l	0.0500	0.0524	105	66 - 136	579
Methyl-t-butyl ether	mg/l	0.0500	0.0512	102	66 - 136	726
Methyl-t-butyl ether	mg/l	0.0500	0.0502	100	66 - 136	3017
t-Amyl Alcohol	mg/L	0.500	0.524	105	37 - 150	6615
t-Amyl Alcohol	mg/L	0.500	0.488	98	37 - 150	7296
t-Amyl Alcohol	mg/L	0.500	0.459	92	37 - 150	468
t-Amyl Alcohol	mg/L	0.500	0.459	92	37 - 150	484
t-Amyl Alcohol	mg/L	0.500	0.408	82	37 - 150	579
t-Amyl Alcohol	mg/L	0.500	0.424	85	37 - 150	593
t-Amyl Alcohol	mg/L	0.500	0.424	85	37 - 150	601
t-Amyl Alcohol	mg/L	0.500	0.469	94	37 - 150	3017
t-Butyl Formate	mg/L	0.500	0.185	37	29 - 143	6615
t-Butyl Formate	mg/L	0.500	0.158	32	29 - 143	7296
t-Butyl Formate	mg/L	0.500	0.430	86	29 - 143	310
t-Butyl Formate	mg/L	0.500	0.557	111	29 - 143	579
t-Butyl Formate	mg/L	0.500	0.616	123	29 - 143	724
t-Butyl Formate	mg/L	0.500	0.542	108	29 - 143	2995
Ethyl-t-butyl alcohol	mg/L	0.500	0.581	116	34 - 154	6615
Ethyl-t-butyl alcohol	mg/L	0.500	0.586	117	34 - 154	7296
Ethyl-t-butyl alcohol	mg/L	0.500	0.477	95	34 - 154	310
Ethyl-t-butyl alcohol	mg/L	0.500	0.500	100	34 - 154	468
Ethyl-t-butyl alcohol	mg/L	0.500	0.436	87	34 - 154	579
Ethyl-t-butyl alcohol	mg/L	0.500	0.480	96	34 - 154	2995
Diisopropyl ether	mg/l	0.0500	0.0515	103	79 - 130	6615
Diisopropyl ether	mg/l	0.0500	0.0502	100	79 - 130	7296

Project QC continued . . .

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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Diisopropyl ether	mg/l	0.0500	0.0519	104	79 - 130	310
Diisopropyl ether	mg/l	0.0500	0.0501	100	79 - 130	484
Diisopropyl ether	mg/l	0.0500	0.0542	108	79 - 130	579
Diisopropyl ether	mg/l	0.0500	0.0494	99	79 - 130	3017
Ethylene Dibromide	mg/l	0.00029	0.00030	103	70 - 133	5581
Ethylene Dibromide	mg/l	0.00029	0.00031	107	70 - 133	5583
Ethylene Dibromide	mg/l	0.00029	0.00030	103	70 - 133	6593
Methane	mg/L	1.33	1.40	105	79 - 121	5577
Methane	mg/L	1.33	1.51	114	79 - 121	5578
VOA Surr 1,2-DCA-d4	% Rec			109	70 - 130	6615
VOA Surr 1,2-DCA-d4	% Rec			109	70 - 130	7296
VOA Surr 1,2-DCA-d4	% Rec			109	70 - 130	7994
VOA Surr 1,2-DCA-d4	% Rec			99	70 - 130	576
VOA Surr 1,2-DCA-d4	% Rec			107	70 - 130	579
VOA Surr 1,2-DCA-d4	% Rec			88	70 - 130	593
VOA Surr 1,2-DCA-d4	% Rec			88	70 - 130	601
VOA Surr 1,2-DCA-d4	% Rec			99	70 - 130	614
VOA Surr 1,2-DCA-d4	% Rec			99	70 - 130	726
VOA Surr 1,2-DCA-d4	% Rec			99	70 - 130	7996
VOA Surr 1,2-DCA-d4	% Rec			98	70 - 130	3017
VOA Surr Toluene-d8	% Rec			102	78 - 121	6615
VOA Surr Toluene-d8	% Rec			101	78 - 121	7296
VOA Surr Toluene-d8	% Rec			101	78 - 121	7994
VOA Surr Toluene-d8	% Rec			94	78 - 121	576
VOA Surr Toluene-d8	% Rec			102	78 - 121	579
VOA Surr Toluene-d8	% Rec			98	78 - 121	593
VOA Surr Toluene-d8	% Rec			98	78 - 121	601
VOA Surr Toluene-d8	% Rec			94	78 - 121	614
VOA Surr Toluene-d8	% Rec			100	78 - 121	726
VOA Surr Toluene-d8	% Rec			94	78 - 121	7996
VOA Surr Toluene-d8	% Rec			98	78 - 121	3017

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-008
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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA Surr, 4-BFB	% Rec			98	78 - 126	6615
VOA Surr, 4-BFB	% Rec			98	78 - 126	7296
VOA Surr, 4-BFB	% Rec			98	78 - 126	7994
VOA Surr, 4-BFB	% Rec			95	78 - 126	576
VOA Surr, 4-BFB	% Rec			108	78 - 126	579
VOA Surr, 4-BFB	% Rec			96	78 - 126	593
VOA Surr, 4-BFB	% Rec			96	78 - 126	601
VOA Surr, 4-BFB	% Rec			95	78 - 126	614
VOA Surr, 4-BFB	% Rec			101	78 - 126	726
VOA Surr, 4-BFB	% Rec			95	78 - 126	7996
VOA Surr, 4-BFB	% Rec			99	78 - 126	3017
VOA Surr, DBFM	% Rec			101	79 - 122	6615
VOA Surr, DBFM	% Rec			99	79 - 122	7296
VOA Surr, DBFM	% Rec			99	79 - 122	7994
VOA Surr, DBFM	% Rec			96	79 - 122	576
VOA Surr, DBFM	% Rec			106	79 - 122	579
VOA Surr, DBFM	% Rec			100	79 - 122	593
VOA Surr, DBFM	% Rec			100	79 - 122	601
VOA Surr, DBFM	% Rec			96	79 - 122	614
VOA Surr, DBFM	% Rec			99	79 - 122	726
VOA Surr, DBFM	% Rec			96	79 - 122	7996
VOA Surr, DBFM	% Rec			107	79 - 122	3017
METALS						
Iron, Dissolved	mg/l	1.00	0.976	98	80 - 120	5986
Lead	mg/l	0.0500	0.0500	100	80 - 120	5982
Lead	mg/l	0.0500	0.0470	94	80 - 120	5983
Lead	mg/l	0.0500	0.0520	104	80 - 120	2250

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-008
Project Name: HANDY PANTRY #65

Laboratory Receipt Date: 4/21/05

MISC PARAMETERS						
Nitrate-N as N	mg/l	3.00	3.02	101	90 - 110	5468
Sulfate	mg/l	15.0	14.9	99	90 - 110	5468

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Ethyl-t-butylether	< 0.0005	mg/l	6615	4/22/05	4:17
Ethyl-t-butylether	< 0.0005	mg/l	7296	4/22/05	16:46
Ethyl-t-butylether	< 0.0005	mg/l	310	4/26/05	18:56
Ethyl-t-butylether	< 0.0005	mg/l	468	4/27/05	0:16
Ethyl-t-butylether	< 0.0005	mg/l	579	4/27/05	12:01
Ethyl-t-butylether	< 0.0005	mg/l	2995	4/28/05	12:16
tert-amyl methyl ether	< 0.0005	mg/L	6615	4/22/05	4:17
tert-amyl methyl ether	< 0.0005	mg/L	7296	4/22/05	16:46
tert-amyl methyl ether	< 0.0005	mg/L	310	4/26/05	18:56
tert-amyl methyl ether	< 0.0005	mg/L	468	4/27/05	0:16
tert-amyl methyl ether	< 0.0005	mg/L	579	4/27/05	12:01
tert-amyl methyl ether	< 0.0005	mg/L	3017	4/28/05	12:16
Tertiary butyl alcohol	< 0.0063	mg/l	6615	4/22/05	4:17
Tertiary butyl alcohol	< 0.0063	mg/l	310	4/26/05	18:56
Tertiary butyl alcohol	< 0.0063	mg/l	579	4/27/05	12:01
Tertiary butyl alcohol	< 0.0063	mg/l	724	4/27/05	13:21

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-008
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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Tertiary butyl alcohol	< 0.0063	mg/l	2995	4/28/05	12:16
Benzene	< 0.0003	mg/l	6615	4/22/05	4:17
Benzene	< 0.0003	mg/l	7296	4/22/05	16:46
Benzene	< 0.0003	mg/l	7994	4/22/05	16:46
Benzene	< 0.0003	mg/l	310	4/26/05	18:56
Benzene	< 0.0003	mg/l	329	4/26/05	18:56
Benzene	< 0.0003	mg/l	484	4/27/05	0:16
Benzene	< 0.0003	mg/l	576	4/27/05	10:35
Benzene	< 0.0003	mg/l	579	4/27/05	12:01
Benzene	< 0.0003	mg/l	7996	4/27/05	10:35
Benzene	< 0.0003	mg/l	3017	4/28/05	12:16
1,2-Dichloroethane	< 0.00040	mg/l	6615	4/22/05	4:17
1,2-Dichloroethane	< 0.00040	mg/l	7296	4/22/05	16:46
1,2-Dichloroethane	< 0.00040	mg/l	310	4/26/05	18:56
1,2-Dichloroethane	< 0.00040	mg/l	468	4/27/05	0:16
1,2-Dichloroethane	< 0.00040	mg/l	579	4/27/05	12:01
1,2-Dichloroethane	< 0.00040	mg/l	2995	4/28/05	12:16
Ethylbenzene	< 0.0002	mg/l	6615	4/22/05	4:17
Ethylbenzene	< 0.0002	mg/l	7296	4/22/05	16:46
Ethylbenzene	< 0.0002	mg/l	310	4/26/05	18:56
Ethylbenzene	< 0.0002	mg/l	329	4/26/05	18:56
Ethylbenzene	< 0.0002	mg/l	484	4/27/05	0:16
Ethylbenzene	< 0.0002	mg/l	579	4/27/05	12:01
Ethylbenzene	< 0.0002	mg/l	7996	4/27/05	10:35
Ethylbenzene	< 0.0002	mg/l	3017	4/28/05	12:16
Naphthalene	< 0.00120	mg/l	6615	4/22/05	4:17
Naphthalene	< 0.00120	mg/l	7296	4/22/05	16:46
Naphthalene	< 0.00120	mg/l	310	4/26/05	18:56
Naphthalene	< 0.00120	mg/l	468	4/27/05	0:16
Naphthalene	< 0.00120	mg/l	484	4/27/05	0:16
Naphthalene	< 0.00120	mg/l	579	4/27/05	12:01

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
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Project Name: HANDY PANTRY #65
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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Naphthalene	< 0.00120	mg/l	7996	4/27/05	10:35
Naphthalene	< 0.00120	mg/l	2995	4/28/05	12:16
Toluene	< 0.0002	mg/l	6615	4/22/05	4:17
Toluene	< 0.0002	mg/l	7296	4/22/05	16:46
Toluene	< 0.0002	mg/l	7994	4/22/05	16:46
Toluene	< 0.0002	mg/l	310	4/26/05	18:56
Toluene	< 0.0002	mg/l	329	4/26/05	18:56
Toluene	< 0.0002	mg/l	484	4/27/05	0:16
Toluene	< 0.0002	mg/l	576	4/27/05	10:35
Toluene	< 0.0002	mg/l	579	4/27/05	12:01
Toluene	< 0.0002	mg/l	614	4/27/05	10:35
Toluene	< 0.0002	mg/l	726	4/27/05	13:21
Toluene	< 0.0002	mg/l	7996	4/27/05	10:35
Toluene	< 0.0002	mg/l	3017	4/28/05	12:16
Xylenes (Total)	< 0.0006	mg/l	6615	4/22/05	4:17
Xylenes (Total)	< 0.0006	mg/l	7296	4/22/05	16:46
Xylenes (Total)	< 0.0006	mg/l	310	4/26/05	18:56
Xylenes (Total)	< 0.0006	mg/l	329	4/26/05	18:56
Xylenes (Total)	< 0.0006	mg/l	484	4/27/05	0:16
Xylenes (Total)	< 0.0006	mg/l	576	4/27/05	10:35
Xylenes (Total)	< 0.0006	mg/l	579	4/27/05	12:01
Xylenes (Total)	< 0.0006	mg/l	7996	4/27/05	10:35
Xylenes (Total)	< 0.0006	mg/l	3017	4/28/05	12:16
Ethanol	< 0.0503	mg/L	6615	4/22/05	4:17
Ethanol	< 0.0503	mg/L	7296	4/22/05	16:46
Ethanol	< 0.0503	mg/L	310	4/26/05	18:56
Ethanol	< 0.0503	mg/L	468	4/27/05	0:16
Ethanol	< 0.0503	mg/L	579	4/27/05	12:01
Ethanol	< 0.0503	mg/L	2995	4/28/05	12:16
Methyl-t-butyl ether	< 0.0002	mg/l	6615	4/22/05	4:17
Methyl-t-butyl ether	< 0.0002	mg/l	7296	4/22/05	16:46

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-008
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Laboratory Receipt Date: 4/21/05

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Methyl-t-butyl ether	< 0.0002	mg/l	310	4/26/05	18:56
Methyl-t-butyl ether	< 0.0002	mg/l	329	4/26/05	18:56
Methyl-t-butyl ether	< 0.0002	mg/l	468	4/27/05	0:16
Methyl-t-butyl ether	< 0.0002	mg/l	484	4/27/05	0:16
Methyl-t-butyl ether	< 0.0002	mg/l	579	4/27/05	12:01
Methyl-t-butyl ether	< 0.0002	mg/l	726	4/27/05	13:21
Methyl-t-butyl ether	< 0.0002	mg/l	3017	4/28/05	12:16
t-Amyl Alcohol	< 0.0050	mg/L	6615	4/22/05	4:17
t-Amyl Alcohol	< 0.0050	mg/L	7296	4/22/05	16:46
t-Amyl Alcohol	< 0.0050	mg/L	468	4/27/05	0:16
t-Amyl Alcohol	< 0.0050	mg/L	484	4/27/05	0:16
t-Amyl Alcohol	< 0.0050	mg/L	579	4/27/05	12:01
t-Amyl Alcohol	< 0.0050	mg/L	593	4/27/05	10:31
t-Amyl Alcohol	< 0.0050	mg/L	601	4/27/05	10:31
t-Amyl Alcohol	< 0.0050	mg/L	3017	4/28/05	12:16
t-Butyl Formate	< 0.0050	mg/L	6615	4/22/05	4:17
t-Butyl Formate	< 0.0050	mg/L	7296	4/22/05	16:46
t-Butyl Formate	< 0.0050	mg/L	310	4/26/05	18:56
t-Butyl Formate	< 0.0050	mg/L	579	4/27/05	12:01
t-Butyl Formate	< 0.0050	mg/L	724	4/27/05	13:21
t-Butyl Formate	< 0.0050	mg/L	2995	4/28/05	12:16
Ethyl-t-butyl alcohol	< 0.0050	mg/L	6615	4/22/05	4:17
Ethyl-t-butyl alcohol	< 0.0050	mg/L	7296	4/22/05	16:46
Ethyl-t-butyl alcohol	< 0.0050	mg/L	310	4/26/05	18:56
Ethyl-t-butyl alcohol	< 0.0050	mg/L	468	4/27/05	0:16
Ethyl-t-butyl alcohol	< 0.0050	mg/L	579	4/27/05	12:01
Ethyl-t-butyl alcohol	< 0.0050	mg/L	2995	4/28/05	12:16
Diisopropyl ether	< 0.00030	mg/l	6615	4/22/05	4:17
Diisopropyl ether	< 0.00030	mg/l	7296	4/22/05	16:46
Diisopropyl ether	< 0.00030	mg/l	310	4/26/05	18:56
Diisopropyl ether	< 0.00030	mg/l	484	4/27/05	0:16

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-008
Project Name: HANDY PANTRY #65
Page: 13
Laboratory Receipt Date: 4/21/05

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Diisopropyl ether	< 0.00030	mg/l	579	4/27/05	12:01
Diisopropyl ether	< 0.00030	mg/l	3017	4/28/05	12:16
VOA Surr 1,2-DCA-d4	110.	% Rec	6615	4/22/05	4:17
VOA Surr 1,2-DCA-d4	115.	% Rec	7296	4/22/05	16:46
VOA Surr 1,2-DCA-d4	115.	% Rec	7994	4/22/05	16:46
VOA Surr 1,2-DCA-d4	95.	% Rec	576	4/27/05	10:35
VOA Surr 1,2-DCA-d4	112.	% Rec	579	4/27/05	12:01
VOA Surr 1,2-DCA-d4	93.	% Rec	593	4/27/05	10:31
VOA Surr 1,2-DCA-d4	93.	% Rec	601	4/27/05	10:31
VOA Surr 1,2-DCA-d4	95.	% Rec	614	4/27/05	10:35
VOA Surr 1,2-DCA-d4	98.	% Rec	726	4/27/05	13:21
VOA Surr 1,2-DCA-d4	95.	% Rec	7996	4/27/05	10:35
VOA Surr 1,2-DCA-d4	98.	% Rec	3017	4/28/05	12:16
VOA Surr Toluene-d8	101.	% Rec	6615	4/22/05	4:17
VOA Surr Toluene-d8	102.	% Rec	7296	4/22/05	16:46
VOA Surr Toluene-d8	102.	% Rec	7994	4/22/05	16:46
VOA Surr Toluene-d8	95.	% Rec	576	4/27/05	10:35
VOA Surr Toluene-d8	104.	% Rec	579	4/27/05	12:01
VOA Surr Toluene-d8	98.	% Rec	593	4/27/05	10:31
VOA Surr Toluene-d8	98.	% Rec	601	4/27/05	10:31
VOA Surr Toluene-d8	95.	% Rec	614	4/27/05	10:35
VOA Surr Toluene-d8	97.	% Rec	726	4/27/05	13:21
VOA Surr Toluene-d8	95.	% Rec	7996	4/27/05	10:35
VOA Surr Toluene-d8	98.	% Rec	3017	4/28/05	12:16
VOA Surr, 4-BFB	95.	% Rec	6615	4/22/05	4:17
VOA Surr, 4-BFB	100.	% Rec	7296	4/22/05	16:46
VOA Surr, 4-BFB	100.	% Rec	7994	4/22/05	16:46
VOA Surr, 4-BFB	93.	% Rec	576	4/27/05	10:35
VOA Surr, 4-BFB	106.	% Rec	579	4/27/05	12:01
VOA Surr, 4-BFB	100.	% Rec	593	4/27/05	10:31
VOA Surr, 4-BFB	100.	% Rec	601	4/27/05	10:31

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-008
Project Name: HANDY PANTRY #65
Page: 14
Laboratory Receipt Date: 4/21/05

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
VOA Surr, 4-BFB	93.	% Rec	614	4/27/05	10:35
VOA Surr, 4-BFB	94.	% Rec	726	4/27/05	13:21
VOA Surr, 4-BFB	93.	% Rec	7996	4/27/05	10:35
VOA Surr, 4-BFB	97.	% Rec	3017	4/28/05	12:16
VOA Surr, DBFM	102.	% Rec	6615	4/22/05	4:17
VOA Surr, DBFM	106.	% Rec	7296	4/22/05	16:46
VOA Surr, DBFM	106.	% Rec	7994	4/22/05	16:46
VOA Surr, DBFM	92.	% Rec	576	4/27/05	10:35
VOA Surr, DBFM	108.	% Rec	579	4/27/05	12:01
VOA Surr, DBFM	102.	% Rec	593	4/27/05	10:31
VOA Surr, DBFM	102.	% Rec	601	4/27/05	10:31
VOA Surr, DBFM	92.	% Rec	614	4/27/05	10:35
VOA Surr, DBFM	100.	% Rec	726	4/27/05	13:21
VOA Surr, DBFM	92.	% Rec	7996	4/27/05	10:35
VOA Surr, DBFM	98.	% Rec	3017	4/28/05	12:16
METALS					
Iron, Dissolved	< 0.0300	mg/l	5986	4/23/05	12:53
Lead	< 0.0024	mg/l	5982	4/22/05	14:01
Lead	< 0.0024	mg/l	5983	4/22/05	16:50
Lead	< 0.0024	mg/l	2250	4/29/05	10:24
MISC PARAMETERS					
Nitrate-N as N	< 0.10	mg/l	5468	4/21/05	14:38
Sulfate	< 1.00	mg/l	5468	4/21/05	14:38
Ethylene Dibromide	< 0.00002	mg/l	5581	4/26/05	17:03
Ethylene Dibromide	< 0.00002	mg/l	5583	4/28/05	22:10
Ethylene Dibromide	< 0.00002	mg/l	6593	4/29/05	2:54
Methane	< 0.026	mg/L	5577	4/22/05	10:31
Methane	< 0.026	mg/L	5578	4/26/05	11:20

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 413493

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413622

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Consultech Environmental Client #: 2628
Address: 1800 Macleod Dr Suite F
Code: Lawrenceville, GA 30043
Project Manager: Jim Wilson
Telephone Number: 678 377-0400 Fax: 678 377-0051
Sampler Name: (Print Name) Rob Robinson
Sampler Signature:

Project Name: Handy Pantry #65
Project #: C-04-12-008
Site/Location ID: Columbia, State: SC
Report To: Jim Wilson
Invoice To:
Quote #: PO#:

TAT
X Standard
___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y N

QC Deliverables
X None
___ Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: _____

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: BTEX, MTBE, NAPS	1,2 DCA 8260B	EDB 8011	8 Oxygenates 8260B	Total Lead	Dissolved Iron	Nitrates	Sulfates	Methane			REMARKS
MW-25	4/20/05	1045	G	N	GW	1	7						3	2	2	1								5&5lk
MW-32	4/21/05	1230				1	9				3		3				1	1	1	2				17
MW-43		1515					9				1													15
MW-44		1530																						19
MW-45		1515																						20
MW-46		1600																						21
DW-4		1445																						22
DW-5		1500																						23

Special Instructions:

Relinquished By:	Date: 4/21/05	Time: 1900	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date: 4/22/05	Time: 8:10

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

TestAmerica
ANALYTICAL TESTING CORPORATION

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4/29/05

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: HANDY PANTRY #65
Project Number: C-04-12-008.
Laboratory Project Number: 413622.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Sample Identification	Lab Number	Collection Date
MW-25	05-A56516	4/20/05
MW-32	05-A56517	4/21/05
MW-43	05-A56518	4/21/05
MW-44	05-A56519	4/21/05
MW-45	05-A56520	4/21/05
MW-46	05-A56521	4/21/05
DW-4	05-A56522	4/21/05
DW-5	05-A56523	4/21/05

A2LA certification number 0453.07 for analysis of wastewater and solid/hazardous waste.
NELAC/Florida certification number E87358 for analysis of environmental water, soil/hazardous waste, and drinking water effective 07/01/99-06/30/05.

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Sample Identification	Lab Number	Collection Date

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Report Approved By: _____ Report Date: 4/29/05

Johnny A. Mitchell, Laboratory Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Senior Project Manager
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Senior Project Manager
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Senior Project Manag

Laboratory Certification Number: 84009

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A56516
Sample ID: MW-25
Sample Type: Water
Site ID:

Date Collected: 4/20/05
Time Collected: 10:45
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	6900	ug/l	50.0	50.0	4/24/05	6:44	T McCollum	8260B	8433
Toluene	41800	ug/l	500.	500.	4/24/05	7:07	T McCollum	8260B	8439
Ethylbenzene	7800	ug/l	50.0	50.0	4/24/05	6:44	T McCollum	8260B	8433
Xylenes (Total)	45600	ug/l	500.	500.	4/24/05	7:07	T McCollum	8260B	8439
Methyl-t-butyl ether	17.7	ug/l	1.0	1.0	4/22/05	23:16	S. Edwards	8260B	8035
Naphthalene	3180	ug/l	250.	50.0	4/24/05	6:44	T McCollum	8260B	8433
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/22/05	23:16	S. Edwards	8260B	8035
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/22/05	23:16	S. Edwards	8260B	8035
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/22/05	23:16	S. Edwards	8260B	8035
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/22/05	23:16	S. Edwards	8260B	8035
Ethanol	ND	ug/L	100.	1.0	4/22/05	23:16	S. Edwards	8260B	8035
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/22/05	23:16	S. Edwards	8260B	8035
t-Butyl Formate	ND	ug/L	10.0	1.0	4/22/05	23:16	S. Edwards	8260B	8035
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1.0	4/22/05	23:16	S. Edwards	8260B	8035
Diisopropyl ether	154.	ug/l	5.00	1.0	4/22/05	23:16	S. Edwards	8260/SA05-77	8035
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/29/05	7:07	M. Ricke	8011	6593
METALS									
Lead	106.	ug/l	5.0	1.0	4/25/05	20:05	K. Ahmed	6010B	7414

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56516
Sample ID: MW-25
Project: C-04-12-008

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	86.	70. - 130.
VOA Surr Toluene-d8	101.	78. - 121.
VOA Surr, 4-BFB	100.	78. - 126.
VOA Surr, DBFM	97.	79. - 122.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
EDB surrogate was diluted out due to sample matrix.
The difference between the two channels for the EDB 8011 result is greater than forty percent.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A56517
Sample ID: MW-32
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 12:30
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	264.	ug/l	5.0	5.0	4/24/05	10:14	T McCollum	8260B	8474
Toluene	740.	ug/l	5.0	5.0	4/24/05	10:14	T McCollum	8260B	8474
Ethylbenzene	406.	ug/l	5.0	5.0	4/24/05	10:14	T McCollum	8260B	8474
Xylenes (Total)	2440	ug/l	5.0	5.0	4/24/05	10:14	T McCollum	8260B	8474
Methyl-t-butyl ether	ND	ug/l	5.0	5.0	4/24/05	10:14	T McCollum	8260B	8474
Naphthalene	176.	ug/l	25.0	5.0	4/24/05	10:14	T McCollum	8260B	8474
Ethyl-t-butylether	ND	ug/l	5.0	5.0	4/24/05	10:14	T McCollum	8260B	8474
tert-amyl methyl ether	ND	ug/L	5.0	5.0	4/24/05	10:14	T McCollum	8260B	8474
Tertiary butyl alcohol	202.	ug/l	50.0	5.0	4/24/05	10:14	T McCollum	8260B	8474
1,2-Dichloroethane	6.50	ug/l	5.00	5.0	4/24/05	10:14	T McCollum	8260B	8474
Ethanol	ND	ug/L	500.	5.0	4/24/05	10:14	T McCollum	8260B	8474
t-Amyl Alcohol	3220	ug/L	50.0	5.0	4/24/05	10:14	T McCollum	8260B	8474
t-Butyl Formate	ND	ug/L	50.0	5.0	4/24/05	10:14	T McCollum	8260B	8474
Ethyl-t-butyl alcohol	347.	ug/L	50.0	5.0	4/24/05	10:14	T McCollum	8260B	8474
Diisopropyl ether	ND	ug/l	25.0	5.0	4/24/05	10:14	T McCollum	8260/SA05-77	8474
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/29/05	7:26	M. Ricke	8011	6593
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/27/05	16:36	K. Roberso	RSK175M	7554
METALS									
Iron, Dissolved	923.	ug/l	50.0	1.0	4/26/05	10:52	C. Otero	6010B	7417
Lead	ND	ug/l	5.0	1.0	4/25/05	20:05	K. Ahmed	6010B	7414

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56517
Sample ID: MW-32
Project: C-04-12-008

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	0.120	mg/l	0.100	1.0	4/22/05	17:01	W. Choate	353.2	6795
Sulfate	21.9	mg/l	1.00	1.0	4/22/05	15:18	G. Baun	9056	6419

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	91.	70. - 130.
VOA Surr Toluene-d8	102.	78. - 121.
VOA Surr, 4-BFB	100.	78. - 126.
VOA Surr, DBFM	98.	79. - 122.
Surr., 1,3-DCB	122.	83. - 134.
Surr - Acetylene	94.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A56518
Sample ID: MW-43
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 15:15
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	4/23/05	22:35	T McCollum	8260B	8433
Toluene	ND	ug/l	1.0	1.0	4/23/05	22:35	T McCollum	8260B	8433
Ethylbenzene	ND	ug/l	1.0	1.0	4/23/05	22:35	T McCollum	8260B	8433
Xylenes (Total)	ND	ug/l	1.0	1.0	4/23/05	22:35	T McCollum	8260B	8433
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/23/05	22:35	T McCollum	8260B	8433
Naphthalene	ND	ug/l	5.00	1.0	4/23/05	22:35	T McCollum	8260B	8433
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/23/05	22:35	T McCollum	8260B	8433
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/23/05	22:35	T McCollum	8260B	8433
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/23/05	22:35	T McCollum	8260B	8433
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/23/05	22:35	T McCollum	8260B	8433
Ethanol	ND	ug/L	100.	1.0	4/23/05	22:35	T McCollum	8260B	8433
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/23/05	22:35	T McCollum	8260B	8433
t-Butyl Formate	ND	ug/L	10.0	1.0	4/23/05	22:35	T McCollum	8260B	8433
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1.0	4/23/05	22:35	T McCollum	8260B	8433
Diisopropyl ether	ND	ug/l	5.00	1.0	4/23/05	22:35	T McCollum	8260/SA05-77	8433
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/29/05	7:46	M. Ricke	8011	6593
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/27/05	16:40	K. Roberso	RSK175M	7554
METALS									
Iron, Dissolved	ND	ug/l	50.0	1.0	4/26/05	10:52	C. Otero	6010B	7417
Lead	ND	ug/l	5.0	1.0	4/25/05	20:05	K. Ahmed	6010B	7414

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56518
Sample ID: MW-43
Project: C-04-12-008

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	4.09	mg/l	0.100	1.0	4/22/05	17:02	W. Choate	353.2	6795
Sulfate	1.92	mg/l	1.00	1.0	4/22/05	15:18	G. Baun	9056	6419

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	88.	70. - 130.
VOA Surr Toluene-d8	100.	78. - 121.
VOA Surr, 4-BFB	100.	78. - 126.
VOA Surr, DBFM	100.	79. - 122.
Surr., 1,3-DCB	101.	83. - 134.
Surr - Acetylene	95.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A56519
Sample ID: MW-44
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 15:30
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	4/23/05	0:26	S. Edwards	8260B	8035
Toluene	ND	ug/l	1.0	1.0	4/23/05	22:58	T McCollum	8260B	8433
Ethylbenzene	ND	ug/l	1.0	1.0	4/23/05	0:26	S. Edwards	8260B	8035
Xylenes (Total)	ND	ug/l	1.0	1.0	4/23/05	22:58	T McCollum	8260B	8433
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/23/05	0:26	S. Edwards	8260B	8035
Naphthalene	ND	ug/l	5.00	1.0	4/23/05	0:26	S. Edwards	8260B	8035
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/23/05	0:26	S. Edwards	8260B	8035
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/23/05	0:26	S. Edwards	8260B	8035
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/23/05	0:26	S. Edwards	8260B	8035
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/23/05	0:26	S. Edwards	8260B	8035
Ethanol	ND	ug/L	100.	1.0	4/23/05	0:26	S. Edwards	8260B	8035
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/23/05	0:26	S. Edwards	8260B	8035
t-Butyl Formate	ND	ug/L	10.0	1.0	4/23/05	0:26	S. Edwards	8260B	8035
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1.0	4/23/05	0:26	S. Edwards	8260B	8035
Diisopropyl ether	ND	ug/l	5.00	1.0	4/23/05	0:26	S. Edwards	8260/SA05-77	8035
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/28/05	8:05	M. Ricke	8011	6593
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/27/05	16:45	K. Roberso	RSK175M	7554
METALS									
Iron, Dissolved	212.	ug/l	50.0	1.0	4/26/05	10:52	C. Otero	6010B	7417
Lead	ND	ug/l	5.0	1.0	4/25/05	20:05	K. Ahmed	6010B	7414

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56519
Sample ID: MW-44
Project: C-04-12-008

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	5.17	mg/l	0.100	1.0	4/22/05	17:02	W. Choate	353.2	6795
Sulfate	ND	mg/l	1.00	1.0	4/22/05	15:18	G. Baun	9056	6419

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	92.	70. - 130.
VOA Surr Toluene-d8	100.	78. - 121.
VOA Surr, 4-BFB	100.	78. - 126.
VOA Surr, DBFM	102.	79. - 122.
Surr., 1,3-DCB	93.0	83. - 134.
Surr - Acetylene	92.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A56520
Sample ID: MW-45
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 15:45
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	4/23/05	0:50	S. Edwards	8260B	8035
Toluene	ND	ug/l	1.0	1.0	4/23/05	23:22	T McCollum	8260B	8433
Ethylbenzene	ND	ug/l	1.0	1.0	4/23/05	0:50	S. Edwards	8260B	8035
Xylenes (Total)	ND	ug/l	1.0	1.0	4/23/05	23:22	T McCollum	8260B	8433
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/23/05	0:50	S. Edwards	8260B	8035
Naphthalene	ND	ug/l	5.00	1.0	4/23/05	0:50	S. Edwards	8260B	8035
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/23/05	0:50	S. Edwards	8260B	8035
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/23/05	0:50	S. Edwards	8260B	8035
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/23/05	0:50	S. Edwards	8260B	8035
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/23/05	0:50	S. Edwards	8260B	8035
Ethanol	ND	ug/L	100.	1.0	4/23/05	0:50	S. Edwards	8260B	8035
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/23/05	0:50	S. Edwards	8260B	8035
t-Butyl Formate	ND	ug/L	10.0	1.0	4/23/05	0:50	S. Edwards	8260B	8035
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1.0	4/23/05	0:50	S. Edwards	8260B	8035
Diisopropyl ether	ND	ug/l	5.00	1.0	4/23/05	0:50	S. Edwards	8260/SA05-77	8035
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/29/05	8:44	M. Ricke	8011	6593
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/27/05	16:48	K. Roberso	RSK175M	7554
METALS									
Iron, Dissolved	ND	ug/l	50.0	1.0	4/26/05	10:52	C. Otero	6010B	7417
Lead	12.0	ug/l	5.0	1.0	4/25/05	20:05	K. Ahmed	6010B	7414

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56520
Sample ID: MW-45
Project: C-04-12-008

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	6.14	mg/l	0.100	1.0	4/22/05	17:03	W. Choate	353.2	6795
Sulfate	13.6	mg/l	1.00	1.0	4/22/05	15:18	G. Baun	9056	6419

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	94.	70. - 130.
VOA Surr Toluene-d8	99.	78. - 121.
VOA Surr, 4-BFB	101.	78. - 126.
VOA Surr, DBFM	101.	79. - 122.
Surr., 1,3-DCB	90.0	83. - 134.
Surr - Acetylene	94.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A56521
Sample ID: MW-46
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 16:00
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	4/23/05	1:13	S. Edwards	8260B	8035
Toluene	ND	ug/l	1.0	1.0	4/23/05	23:45	T McCollum	8260B	8433
Ethylbenzene	ND	ug/l	1.0	1.0	4/23/05	1:13	S. Edwards	8260B	8035
Xylenes (Total)	ND	ug/l	1.0	1.0	4/23/05	23:45	T McCollum	8260B	8433
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/23/05	1:13	S. Edwards	8260B	8035
Naphthalene	ND	ug/l	5.00	1.0	4/23/05	1:13	S. Edwards	8260B	8035
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/23/05	1:13	S. Edwards	8260B	8035
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/23/05	1:13	S. Edwards	8260B	8035
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/23/05	1:13	S. Edwards	8260B	8035
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/23/05	1:13	S. Edwards	8260B	8035
Ethanol	ND	ug/L	100.	1.0	4/23/05	1:13	S. Edwards	8260B	8035
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/23/05	1:13	S. Edwards	8260B	8035
t-Butyl Formate	ND	ug/L	10.0	1.0	4/23/05	1:13	S. Edwards	8260B	8035
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1.0	4/23/05	1:13	S. Edwards	8260B	8035
Diisopropyl ether	ND	ug/l	5.00	1.0	4/23/05	1:13	S. Edwards	8260/SA05-77	8035
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/29/05	9:03	M. Ricke	8011	6593
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/29/05	10:56	K. Roberso	RSK175M	7555
METALS									
Iron, Dissolved	1220	ug/l	50.0	1.0	4/26/05	15:23	G.McCord	6010B	8697
Lead	ND	ug/l	5.0	1.0	4/25/05	20:05	K. Ahmed	6010B	7414

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56521
Sample ID: MW-46
Project: C-04-12-008

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	5.64	mg/l	0.100	1.0	4/22/05	17:06	W. Choate	353.2	6799
Sulfate	ND	mg/l	1.00	1.0	4/23/05	1:26	G. Baun	9056	6420

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	96.	70. - 130.
VOA Surr Toluene-d8	100.	78. - 121.
VOA Surr, 4-BFB	101.	78. - 126.
VOA Surr, DBFM	102.	79. - 122.
Surr., 1,3-DCB	102.	83. - 134.
Surr - Acetylene	71.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A56522
Sample ID: DW-4
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 14:45
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	74.0	ug/l	5.0	5.0	4/24/05	11:00	T McCollum	8260B	8474
Toluene	380.	ug/l	5.0	5.0	4/24/05	11:00	T McCollum	8260B	8474
Ethylbenzene	102.	ug/l	5.0	5.0	4/24/05	11:00	T McCollum	8260B	8474
Xylenes (Total)	524.	ug/l	5.0	5.0	4/24/05	11:00	T McCollum	8260B	8474
Methyl-t-butyl ether	11.5	ug/l	5.0	5.0	4/24/05	11:00	T McCollum	8260B	8474
Naphthalene	48.0	ug/l	25.0	5.0	4/24/05	11:00	T McCollum	8260B	8474
Ethyl-t-butylether	ND	ug/l	5.0	5.0	4/24/05	11:00	T McCollum	8260B	8474
tert-amyl methyl ether	ND	ug/L	5.0	5.0	4/24/05	11:00	T McCollum	8260B	8474
Tertiary butyl alcohol	ND	ug/l	50.0	5.0	4/24/05	11:00	T McCollum	8260B	8474
1,2-Dichloroethane	9.50	ug/l	5.00	5.0	4/24/05	11:00	T McCollum	8260B	8474
Ethanol	ND	ug/L	500.	5.0	4/24/05	11:00	T McCollum	8260B	8474
t-Amyl Alcohol	150.	ug/L	50.0	5.0	4/24/05	11:00	T McCollum	8260B	8474
t-Butyl Formate	ND	ug/L	50.0	5.0	4/24/05	11:00	T McCollum	8260B	8474
Ethyl-t-butyl alcohol	ND	ug/L	50.0	5.0	4/24/05	11:00	T McCollum	8260B	8474
Diisopropyl ether	ND	ug/l	25.0	5.0	4/24/05	11:00	T McCollum	8260/SA05-77	8474
VOLATILE ORGANICS by GC									
Ethylene Dibromide	1.46	ug/l	0.10	5.0	4/29/05	14:13	M. Ricke	8011	6593
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/29/05	11:01	K. Roberso	RSK175M	7555
METALS									
Iron, Dissolved	ND	ug/l	50.0	1.0	4/26/05	15:23	G.McCord	6010B	8697
Lead	ND	ug/l	5.0	1.0	4/25/05	20:05	K. Ahmed	6010B	7414

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56522
Sample ID: DW-4
Project: C-04-12-008

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	0.750	mg/l	0.100	1.0	4/22/05	17:06	W. Choate	353.2	6799
Sulfate	17.5	mg/l	1.00	1.0	4/23/05	1:26	G. Baun	9056	6420

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	95.	70. - 130.
VOA Surr Toluene-d8	100.	78. - 121.
VOA Surr, 4-BFB	101.	78. - 126.
VOA Surr, DBFM	100.	79. - 122.
Surr - Acetylene	99.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.
EDB surrogate was diluted out due to sample matrix.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: ROB ROBINSON

Lab Number: 05-A56523
Sample ID: DW-5
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 15:00
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	2.8	ug/l	1.0	1.0	4/24/05	0:08	T McCollum	8260B	8433
Toluene	6.4	ug/l	1.0	1.0	4/24/05	0:08	T McCollum	8260B	8433
Ethylbenzene	1.4	ug/l	1.0	1.0	4/24/05	0:08	T McCollum	8260B	8433
Xylenes (Total)	1.8	ug/l	1.0	1.0	4/24/05	0:08	T McCollum	8260B	8433
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/24/05	0:08	T McCollum	8260B	8433
Naphthalene	ND	ug/l	5.00	1.0	4/24/05	0:08	T McCollum	8260B	8433
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/24/05	0:08	T McCollum	8260B	8433
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/24/05	0:08	T McCollum	8260B	8433
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/24/05	0:08	T McCollum	8260B	8433
1,2-Dichloroethane	1.90	ug/l	1.00	1.0	4/24/05	0:08	T McCollum	8260B	8433
Ethanol	ND	ug/L	100.	1.0	4/24/05	0:08	T McCollum	8260B	8433
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/24/05	0:08	T McCollum	8260B	8433
t-Butyl Formate	ND	ug/L	10.0	1.0	4/24/05	0:08	T McCollum	8260B	8433
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1.0	4/24/05	0:08	T McCollum	8260B	8433
Diisopropyl ether	ND	ug/l	5.00	1.0	4/24/05	0:08	T McCollum	8260/SA05-77	8433
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/29/05	9:42	M. Ricke	8011	6593
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/29/05	11:09	K. Roberso	RSK175M	7555
METALS									
Iron, Dissolved	ND	ug/l	50.0	1.0	4/26/05	15:23	G.McCord	6010B	8697
Lead	ND	ug/l	5.0	1.0	4/25/05	20:05	K. Ahmed	6010B	7414

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56523
Sample ID: DW-5
Project: C-04-12-008

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	0.440	mg/l	0.100	1.0	4/22/05	17:07	W. Choate	353.2	6799
Sulfate	80.3	mg/l	10.0	10.0	4/23/05	1:26	G. Baun	9056	6420

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	97.	70. - 130.
VOA Surr Toluene-d8	100.	78. - 121.
VOA Surr, 4-BFB	100.	78. - 126.
VOA Surr, DBFM	103.	79. - 122.
Surr., 1,3-DCB	107.	83. - 134.
Surr - Acetylene	85.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
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Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA PARAMETERS								
Benzene	mg/l	0.232	0.261	0.0500	58#	62 - 146	8035	56517
Benzene	mg/l	< 0.0003	0.0502	0.0500	100	62 - 146	8433	blank
Benzene	mg/l	< 0.0003	0.0480	0.0500	96	62 - 146	8474	blank
Toluene	mg/l	< 0.0002	0.0497	0.0500	99	68 - 141	8433	blank
Toluene	mg/l	< 0.0002	0.0481	0.0500	96	68 - 141	8474	blank
VOA Surr 1,2-DCA-d4	% Rec				94	70 - 130	8433	
VOA Surr 1,2-DCA-d4	% Rec				92	70 - 130	8474	
VOA Surr Toluene-d8	% Rec				100	78 - 121	8433	
VOA Surr Toluene-d8	% Rec				101	78 - 121	8474	
VOA Surr, 4-BFB	% Rec				97	78 - 126	8433	
VOA Surr, 4-BFB	% Rec				96	78 - 126	8474	
VOA Surr, DBFM	% Rec				100	79 - 122	8433	
VOA Surr, DBFM	% Rec				100	79 - 122	8474	
METALS								
Iron, Dissolved	mg/l	0.923	1.91	1.00	99	75. - 125.	7417	05-A56517
Iron, Dissolved	mg/l	< 0.0500	0.988	1.00	99	75. - 125.	8697	'56413
Lead	mg/l	< 0.0050	0.0460	0.0500	92	75. - 125.	7414	05-A56717
MISC PARAMETERS								
Nitrate-N as N	mg/l	4.58	10.4	6.00	97	90. - 110.	6795	05-A56439
Nitrate-N as N	mg/l	4.58	10.4	6.00	97	90. - 110.	6795	05-A56439
Nitrate-N as N	mg/l	0.440	6.24	6.00	97	90. - 110.	6799	05-A56523
Nitrate-N as N	mg/l	0.440	6.27	6.00	97	90. - 110.	6799	05-A56523
Sulfate	mg/l	6.15	20.2	15.0	94	80. - 120.	6419	05-A56439
Sulfate	mg/l	< 1.00	15.4	15.0	103	80. - 120.	6420	05-A56521

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
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Ethylene Dibromide	mg/l	< 0.00002	0.00030	0.00029	103	61. - 134.	6593	blank
Methane	mg/L	< 0.026	1.19	1.33	89	62. - 132.	7554	05-A56439
Methane	mg/L	< 0.026	1.08	1.33	81	62. - 132.	7555	05-A56521

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/l	0.261	0.254	2.72	25.	8035
Benzene	mg/l	0.0502	0.0507	0.99	25.	8433
Benzene	mg/l	0.0480	0.0488	1.65	25.	8474
Toluene	mg/l	0.0497	0.0507	1.99	29.	8433
Toluene	mg/l	0.0481	0.0490	1.85	29.	8474
VOA Surr 1,2-DCA-d4	% Rec		93.			8433
VOA Surr 1,2-DCA-d4	% Rec		92.			8474
VOA Surr Toluene-d8	% Rec		100.			8433
VOA Surr Toluene-d8	% Rec		101.			8474
VOA Surr, 4-BFB	% Rec		95.			8433
VOA Surr, 4-BFB	% Rec		97.			8474
VOA Surr, DBFM	% Rec		100.			8433
VOA Surr, DBFM	% Rec		101.			8474
METALS						
Iron, Dissolved	mg/l	1.91	1.93	1.04	20	7417
Iron, Dissolved	mg/l	0.988	1.04	5.13	20	8697
Lead	mg/l	0.0460	0.0480	4.26	20	7414
MISC PARAMETERS						
Ethylene Dibromide	mg/l	0.00030	0.00030	0.00	50	6593
Methane	mg/L	1.19	1.25	4.92	50	7554
Methane	mg/L	1.08	1.09	0.92	50	7555

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
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Nitrate-N as N	mg/l	10.4	10.4	0.00	20	6795
Nitrate-N as N	mg/l	6.24	6.27	0.48	20	6799
Sulfate	mg/l	20.2	20.2	0.00	20	6419
Sulfate	mg/l	15.4	15.5	0.65	20	6420

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Ethyl-t-butylether	mg/l	0.0500	0.0506	101	63 - 141	8035
Ethyl-t-butylether	mg/l	0.0500	0.0474	95	63 - 141	8433
Ethyl-t-butylether	mg/l	0.0500	0.0487	97	63 - 141	8474
tert-amyl methyl ether	mg/L	0.0500	0.0503	101	63 - 133	8035
tert-amyl methyl ether	mg/L	0.0500	0.0478	96	63 - 133	8433
tert-amyl methyl ether	mg/L	0.0500	0.0484	97	63 - 133	8474
Tertiary butyl alcohol	mg/l	0.500	0.496	99	41 - 160	8035
Tertiary butyl alcohol	mg/l	0.500	0.411	82	41 - 160	8433
Tertiary butyl alcohol	mg/l	0.500	0.474	95	41 - 160	8474
Benzene	mg/l	0.0500	0.0521	104	76 - 127	8035
Benzene	mg/l	0.0500	0.0482	96	76 - 127	8433
Benzene	mg/l	0.0500	0.0511	102	76 - 127	8474
1,2-Dichloroethane	mg/l	0.0500	0.0497	99	72 - 129	8035
1,2-Dichloroethane	mg/l	0.0500	0.0417	83	72 - 129	8433
1,2-Dichloroethane	mg/l	0.0500	0.0484	97	72 - 129	8474
Ethylbenzene	mg/l	0.0500	0.0515	103	80 - 124	8035
Ethylbenzene	mg/l	0.0500	0.0476	95	80 - 124	8433
Ethylbenzene	mg/l	0.0500	0.0493	99	80 - 124	8474
Naphthalene	mg/l	0.0500	0.0492	98	61 - 143	8035
Naphthalene	mg/l	0.0500	0.0488	98	61 - 143	8433
Naphthalene	mg/l	0.0500	0.0450	90	61 - 143	8474
Toluene	mg/l	0.0500	0.0483	97	79 - 124	8433
Toluene	mg/l	0.0500	0.0483	97	79 - 124	8439

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
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Laboratory Receipt Date: 4/22/05

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Toluene	mg/l	0.0500	0.0500	100	79 - 124	8474
Xylenes (Total)	mg/l	0.150	0.142	95	80 - 125	8433
Xylenes (Total)	mg/l	0.150	0.142	95	80 - 125	8439
Xylenes (Total)	mg/l	0.150	0.149	99	80 - 125	8474
Ethanol	mg/L	5.00	5.28	106	40 - 163	8035
Ethanol	mg/L	5.00	4.89	98	40 - 163	8433
Ethanol	mg/L	5.00	4.67	93	40 - 163	8474
Methyl-t-butyl ether	mg/l	0.0500	0.0495	99	66 - 136	8035
Methyl-t-butyl ether	mg/l	0.0500	0.0459	92	66 - 136	8433
Methyl-t-butyl ether	mg/l	0.0500	0.0478	96	66 - 136	8474
t-Amyl Alcohol	mg/L	0.500	0.480	96	37 - 150	8035
t-Amyl Alcohol	mg/L	0.500	0.444	89	37 - 150	8433
t-Amyl Alcohol	mg/L	0.500	0.422	84	37 - 150	8474
t-Butyl Formate	mg/L	0.500	0.354	71	29 - 143	8035
t-Butyl Formate	mg/L	0.500	0.381	76	29 - 143	8433
t-Butyl Formate	mg/L	0.500	0.229	46	29 - 143	8474
Ethyl-t-butyl alcohol	mg/L	0.500	0.205	41	34 - 154	8035
Ethyl-t-butyl alcohol	mg/L	0.500	0.192	38	34 - 154	8433
Ethyl-t-butyl alcohol	mg/L	0.500	0.174	35	34 - 154	8474
Diisopropyl ether	mg/l	0.0500	0.0503	101	79 - 130	8035
Diisopropyl ether	mg/l	0.0500	0.0473	95	79 - 130	8433
Diisopropyl ether	mg/l	0.0500	0.0489	98	79 - 130	8474
Ethylene Dibromide	mg/l	0.00029	0.00030	103	70 - 133	6593
Methane	mg/L	1.33	1.35	102	79 - 121	7554
Methane	mg/L	2.66	2.76	104	79 - 121	7555
VOA Surr 1,2-DCA-d4	% Rec			80	70 - 130	8433
VOA Surr 1,2-DCA-d4	% Rec			80	70 - 130	8439
VOA Surr 1,2-DCA-d4	% Rec			91	70 - 130	8474
VOA Surr 1,2-DCA-d4	% Rec			91	70 - 130	8480
VOA Surr Toluene-d8	% Rec			101	78 - 121	8433
VOA Surr Toluene-d8	% Rec			101	78 - 121	8439

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-008
Project Name: HANDY PANTRY #65

Laboratory Receipt Date: 4/22/05

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA Surr Toluene-d8	% Rec			100	78 - 121	8474
VOA Surr Toluene-d8	% Rec			100	78 - 121	8480
VOA Surr, 4-BFB	% Rec			97	78 - 126	8433
VOA Surr, 4-BFB	% Rec			97	78 - 126	8439
VOA Surr, 4-BFB	% Rec			96	78 - 126	8474
VOA Surr, 4-BFB	% Rec			96	78 - 126	8480
VOA Surr, DBFM	% Rec			98	79 - 122	8433
VOA Surr, DBFM	% Rec			98	79 - 122	8439
VOA Surr, DBFM	% Rec			101	79 - 122	8474
VOA Surr, DBFM	% Rec			101	79 - 122	8480
METALS						
Iron, Dissolved	mg/l	1.00	1.06	106	80 - 120	7417
Iron, Dissolved	mg/l	1.00	0.997	100	80 - 120	8697
Lead	mg/l	0.0500	0.0490	98	80 - 120	7414
MISC PARAMETERS						
Nitrate-N as N	mg/l	6.00	6.11	102	90 - 110	6795
Nitrate-N as N	mg/l	6.00	6.02	100	90 - 110	6799
Sulfate	mg/l	15.0	14.7	98	90 - 110	6419
Sulfate	mg/l	15.0	15.1	101	90 - 110	6420

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd
Nitrate-N as N	mg/l	6.14	6.16	0.33	15.	6795	05-A56520
Nitrate-N as N	mg/l	29.2	29.1	0.34	15.	6799	05-A56617

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-008
Project Name: HANDY PANTRY #65
Page: 6
Laboratory Receipt Date: 4/22/05

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Ethyl-t-butylether	< 0.0005	mg/l	8035	4/22/05	22:30
Ethyl-t-butylether	< 0.0005	mg/l	8433	4/23/05	21:25
Ethyl-t-butylether	< 0.0005	mg/l	8474	4/24/05	9:51
tert-amyl methyl ether	< 0.0005	mg/L	8035	4/22/05	22:30
tert-amyl methyl ether	< 0.0005	mg/L	8433	4/23/05	21:25
tert-amyl methyl ether	< 0.0005	mg/L	8474	4/24/05	9:51
Tertiary butyl alcohol	< 0.0063	mg/l	8035	4/22/05	22:30
Tertiary butyl alcohol	< 0.0063	mg/l	8433	4/23/05	21:25
Tertiary butyl alcohol	< 0.0063	mg/l	8474	4/24/05	9:51
Benzene	< 0.0003	mg/l	8035	4/22/05	22:30
Benzene	< 0.0003	mg/l	8433	4/23/05	21:25
Benzene	< 0.0003	mg/l	8474	4/24/05	9:51
1,2-Dichloroethane	< 0.00040	mg/l	8035	4/22/05	22:30
1,2-Dichloroethane	< 0.00040	mg/l	8433	4/23/05	21:25
1,2-Dichloroethane	< 0.00040	mg/l	8474	4/24/05	9:51
Ethylbenzene	< 0.0002	mg/l	8035	4/22/05	22:30
Ethylbenzene	< 0.0002	mg/l	8433	4/23/05	21:25
Ethylbenzene	< 0.0002	mg/l	8474	4/24/05	9:51
Naphthalene	< 0.00120	mg/l	8035	4/22/05	22:30
Naphthalene	< 0.00120	mg/l	8433	4/23/05	21:25
Naphthalene	< 0.00120	mg/l	8474	4/24/05	9:51
Toluene	< 0.0002	mg/l	8433	4/23/05	21:25
Toluene	< 0.0002	mg/l	8439	4/23/05	21:25
Toluene	< 0.0002	mg/l	8474	4/24/05	9:51
Xylenes (Total)	< 0.0006	mg/l	8433	4/23/05	21:25
Xylenes (Total)	< 0.0006	mg/l	8439	4/23/05	21:25
Xylenes (Total)	< 0.0006	mg/l	8474	4/24/05	9:51

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-008
Project Name: HANDY PANTRY #65

Laboratory Receipt Date: 4/22/05

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Ethanol	< 0.0503	mg/L	8035	4/22/05	22:30
Ethanol	< 0.0503	mg/L	8433	4/23/05	21:25
Ethanol	< 0.0503	mg/L	8474	4/24/05	9:51
Methyl-t-butyl ether	< 0.0002	mg/l	8035	4/22/05	22:30
Methyl-t-butyl ether	< 0.0002	mg/l	8433	4/23/05	21:25
Methyl-t-butyl ether	< 0.0002	mg/l	8474	4/24/05	9:51
t-Amyl Alcohol	< 0.0050	mg/L	8035	4/22/05	22:30
t-Amyl Alcohol	< 0.0050	mg/L	8433	4/23/05	21:25
t-Amyl Alcohol	< 0.0050	mg/L	8474	4/24/05	9:51
t-Butyl Formate	< 0.0050	mg/L	8035	4/22/05	22:30
t-Butyl Formate	< 0.0050	mg/L	8433	4/23/05	21:25
t-Butyl Formate	< 0.0050	mg/L	8474	4/24/05	9:51
Ethyl-t-butyl alcohol	< 0.0050	mg/L	8035	4/22/05	22:30
Ethyl-t-butyl alcohol	< 0.0050	mg/L	8433	4/23/05	21:25
Ethyl-t-butyl alcohol	< 0.0050	mg/L	8474	4/24/05	9:51
Diisopropyl ether	< 0.00030	mg/l	8035	4/22/05	22:30
Diisopropyl ether	< 0.00030	mg/l	8433	4/23/05	21:25
Diisopropyl ether	< 0.00030	mg/l	8474	4/24/05	9:51
VOA Surr 1,2-DCA-d4	83.	% Rec	8433	4/23/05	21:25
VOA Surr 1,2-DCA-d4	83.	% Rec	8439	4/23/05	21:25
VOA Surr 1,2-DCA-d4	98.	% Rec	8474	4/24/05	9:51
VOA Surr 1,2-DCA-d4	98.	% Rec	8480	4/24/05	9:51
VOA Surr Toluene-d8	99.	% Rec	8433	4/23/05	21:25
VOA Surr Toluene-d8	99.	% Rec	8439	4/23/05	21:25
VOA Surr Toluene-d8	99.	% Rec	8474	4/24/05	9:51
VOA Surr Toluene-d8	99.	% Rec	8480	4/24/05	9:51
VOA Surr, 4-BFB	99.	% Rec	8433	4/23/05	21:25
VOA Surr, 4-BFB	99.	% Rec	8439	4/23/05	21:25
VOA Surr, 4-BFB	100.	% Rec	8474	4/24/05	9:51
VOA Surr, 4-BFB	100.	% Rec	8480	4/24/05	9:51
VOA Surr, DBFM	98.	% Rec	8433	4/23/05	21:25

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-008
Project Name: HANDY PANTRY #65
Page: 8
Laboratory Receipt Date: 4/22/05

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
VOA Surr, DBFM	98.	% Rec	8439	4/23/05	21:25
VOA Surr, DBFM	102.	% Rec	8474	4/24/05	9:51
VOA Surr, DBFM	102.	% Rec	8480	4/24/05	9:51
METALS					
Iron, Dissolved	< 0.0300	mg/l	7417	4/26/05	10:52
Iron, Dissolved	< 0.0300	mg/l	8697	4/26/05	15:23
Lead	< 0.0024	mg/l	7414	4/25/05	20:05
MISC PARAMETERS					
Nitrate-N as N	< 0.100	mg/l	6795	4/22/05	16:47
Nitrate-N as N	< 0.100	mg/l	6799	4/22/05	17:04
Sulfate	< 1.00	mg/l	6419	4/22/05	15:18
Sulfate	< 1.00	mg/l	6420	4/23/05	1:26
Ethylene Dibromide	< 0.00002	mg/l	6593	4/29/05	2:54
Methane	< 0.026	mg/L	7554	4/27/05	12:57
Methane	< 0.026	mg/L	7555	4/29/05	10:24

= Value outside Laboratory historical or method prescribed QC limits.

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413610

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Conestoga-Rovers & Associates (Conestoga-Rovers Environmental) Client #: 2628
Address: 1800 Macleod Dr Suite F
/Zip Code: Lawrenceville, GA 30043
t Manager: Jim Wilson
Telephone Number: 678 377 0400 Fax: 678 377 0057
Sampler Name: (Print Name) Rob Robinson
Sampler Signature:

Project Name: Former Clouds Chevron
Project #: C-04-12-0009
Site/Location ID: Columbia State: SC
Report To: Jim Wilson
Invoice To:
Quote #: PO#:

TAT
X Standard
___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y N

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: BTEX, MTBE, NAP L2 EDA 8260B	EDB 8011	8 Oxygenates 8260B	Total Lead	Dissolved Iron	Nitrates	Sulfates	Methane	QC Deliverables	REMARKS
MW-11	4/19/05	1530	G	N	GW	1	7						3	2	2	1						564352
MW-12	4/20/05	800																				33
MW-13		815																				34
MW-16		815																				35
MW-17		900																				36
MW-26		1100				↓	↓															37
MW-47		1615				1	9				3						1	1	1	2		564357
MW-48		1630																				40
MW-49		1645																				41
MW-50	↓	1700	↓	↓	↓	↓	↓				↓		↓	↓	↓	↓	↓	↓	↓	↓		42

QC Deliverables
___ None
___ Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: _____

Special Instructions:

Relinquished By:	Date: 4/21/05	Time: 1900	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date: 4/22/05	Time: 9:10

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

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413610

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring ____

Client Name: Consultech Environmental Client #: 2628
Address: 1800 Macleod Dr, Suite F
Zip Code: Lawrenceville, GA 30043
Manager: Jim Wilson
Telephone Number: 678 377 0400 Fax: 678 377 0051
Sampler Name: (Print Name) Rob Robinson
Sampler Signature:

Project Name: Former Clouds Chevron
Project #: C84-12-009
Site/Location ID: Columbia State: SC
Report To: Jim Wilson
Invoice To:
Quote #: PO#:

TAT: X Standard; ___ Rush (surcharges may apply)
Date Needed: ____
Fax Results: Y N

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: BTEX, MTBE, NAP 1,2 DCA 8260B	EDB 8011	8 Oxygenates 8260B	Total Lead	Dissolved Iron	Nitrates	Sulfates	Methane	QC Deliverables: ___ None, ___ Level 2 (Batch QC), ___ Level 3, ___ Level 4, Other: ____ REMARKS
MW-51	4/21/05	1500	G	N	GW	1	3				3		3	2	2	1	1	1	2		5643
MW-52		1515																			44
MW-53		1715																			45
MW-54		1730																			46
MW-55		1745																			47
MW-56		1800																			48
MW-57		1300																			49
MW-58		1315																			50
MW-59		1330																			1
MW-60		1345																			52

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

	Date	Time		Date	Time
Relinquished By:	4/21/05	1900	Received By:		
Relinquished By:			Received By:		
Relinquished By:			Received By:	4/22/05	830

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413610

To assist us in using the proper analytical methods,
is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Consultech Environmental Client #: 2628
Address: 1800 Mocleod Dr. Suite F
Zip Code: Lawrenceville, GA 30043
t Manager: Jim Wilson
Telephone Number: 678 377 0400 Fax: 678 377 0051
Sampler Name: (Print Name) Rob Robinson
Sampler Signature:

Project Name: Former Clouds Chevron
Project #: C-04-12-009
Site/Location ID: Columbia State: SC
Report To: Jim Wilson
Invoice To:
Quote #: PO#:

TAT
X Standard
___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y N

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge DW - Drinking Water; GW - Groundwater S - Soil/Solid; WW - Wastewater Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: BTEX, MTBE, NAP 1,2 DCA 8260B	EDB 8011	6 Oxygenates 8260B	Total Lead	Nitrates	Sulfates	Dissolved Iron	Methane	QC Deliverables	REMARKS
DW-7	4/21/05	1530	G	N	GW	1	9				W		3	2	2	1	1	1	1	2	X None	56453
DW-8	↓	1545	↓	↓	↓	↓	↓				↓		↓	↓	↓	↓	↓	↓	↓	↓		↓ 54
SW-1	↓	1645	↓	↓	↓	↓	7						↓	↓	↓	↓						56438

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

	Date	Time	Received By	Date	Time
Relinquished By:	4/21/05	~~1700~~ 1900	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date: 4/22/05	Time: 8:10

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4/29/05

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: FORMER CLOUDS CHEVRON
Project Number: C-04-12-009.
Laboratory Project Number: 413610.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Sample Identification	Lab Number	Collection Date
MW-11	05-A56432	4/19/05
MW-12	05-A56433	4/21/05
MW-13	05-A56434	4/21/05
MW-16	05-A56435	4/21/05
MW-17	05-A56436	4/21/05
MW-26	05-A56437	4/21/05
SW-1	05-A56438	4/21/05
MW-47	05-A56439	4/21/05
MW-48	05-A56440	4/21/05
MW-49	05-A56441	4/21/05
MW-50	05-A56442	4/21/05
MW-51	05-A56443	4/21/05
MW-52	05-A56444	4/21/05
MW-53	05-A56445	4/21/05
MW-54	05-A56446	4/21/05
MW-55	05-A56447	4/21/05

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Sample Identification	Lab Number	Collection Date
MW-56	05-A56448	4/21/05
MW-57	05-A56449	4/21/05
MW-58	05-A56450	4/21/05
MW-59	05-A56451	4/21/05
MW-60	05-A56452	4/21/05
DW-7	05-A56453	4/21/05
DW-8	05-A56454	4/21/05

A2LA certification number 0453.07 for analysis of wastewater and solid/hazardous waste.
NELAC/Florida certification number E87358 for analysis of environmental water, soil/hazardous waste, and drinking water effective 07/01/99-06/30/05.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: _____ Report Date: 4/29/05

Johnny A. Mitchell, Laboratory Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Senior Project Manager
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Senior Project Manager
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Senior Project Manag

Laboratory Certification Number: 84009

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56432
Sample ID: MW-11
Sample Type: Water
Site ID:

Date Collected: 4/19/05
Time Collected: 15:30
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	34.5	ug/l	1.0	1.0	4/28/05	9:00	A. Bruton	8260B	1670
Toluene	20.0	ug/l	1.0	1.0	4/28/05	9:00	A. Bruton	8260B	1670
Ethylbenzene	2.0	ug/l	1.0	1.0	4/28/05	9:00	A. Bruton	8260B	1670
Xylenes (Total)	8.0	ug/l	1.0	1.0	4/28/05	9:00	A. Bruton	8260B	1670
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/28/05	9:00	A. Bruton	8260B	1670
Naphthalene	ND	ug/l	5.00	1.0	4/28/05	9:00	A. Bruton	8260B	1670
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/28/05	9:00	A. Bruton	8260B	1670
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/28/05	9:00	A. Bruton	8260B	1670
Tertiary butyl alcohol	26.5	ug/l	10.0	1.0	4/28/05	9:00	A. Bruton	8260B	1670
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/28/05	9:00	A. Bruton	8260B	1670
Ethanol	ND	ug/L	100.	1.0	4/28/05	9:00	A. Bruton	8260B	1670
t-Amyl Alcohol	1540	ug/L	10.0	1.0	4/28/05	9:00	A. Bruton	8260B	1670
t-Butyl Formate	ND	ug/L	10.0	1.0	4/28/05	9:00	A. Bruton	8260B	1670
Ethyl-t-butyl alcohol	176.	ug/L	10.0	1.0	4/28/05	9:00	A. Bruton	8260B	1670
Diisopropyl ether	ND	ug/l	5.00	1.0	4/28/05	9:00	A. Bruton	8260/SA05-77	1670
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/28/05	21:23	M. Ricke	8011	6591
METALS									
Lead	ND	ug/l	5.0	1.0	4/25/05	12:57	K. Ahmed	6010B	7413

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56432
Sample ID: MW-11
Project: C-04-12-009

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	78.	70. - 130.
VOA Surr Toluene-d8	87.	78. - 121.
VOA Surr, 4-BFB	105.	78. - 126.
VOA Surr, DBFM	77. #	79. - 122.
Surr., 1,3-DCB	108.	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56433
Sample ID: MW-12
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 8:00
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	8550	ug/l	500.	500.	4/24/05	19:47	A. Bruton	8260B	9272
Toluene	4000	ug/l	500.	500.	4/24/05	19:47	A. Bruton	8260B	9272
Ethylbenzene	1460	ug/l	20.0	20.0	4/24/05	19:23	A. Bruton	8260B	9270
Xylenes (Total)	2640	ug/l	20.0	20.0	4/24/05	19:23	A. Bruton	8260B	9270
Methyl-t-butyl ether	69.0	ug/l	1.0	1.0	4/23/05	14:45	S. Edwards	8260B	7959
Naphthalene	314.	ug/l	100.	20.0	4/24/05	19:23	A. Bruton	8260B	9270
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/23/05	14:45	S. Edwards	8260B	7959
tert-amyl methyl ether	91.3	ug/L	1.0	1.0	4/23/05	14:45	S. Edwards	8260B	7959
Tertiary butyl alcohol	191.	ug/l	10.0	1.0	4/23/05	14:45	S. Edwards	8260B	7959
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/23/05	14:45	S. Edwards	8260B	7959
Ethanol	ND	ug/L	100.	1.0	4/23/05	14:45	S. Edwards	8260B	7959
t-Amyl Alcohol	9840	ug/L	200.	20.0	4/24/05	19:23	A. Bruton	8260B	9270
t-Butyl Formate	ND	ug/L	10.0	1.0	4/23/05	14:45	S. Edwards	8260B	7959
Ethyl-t-butyl alcohol	730.	ug/L	10.0	1.0	4/23/05	14:45	S. Edwards	8260B	7959
Diisopropyl ether	816.	ug/l	100.	20.0	4/24/05	19:23	A. Bruton	8260/SA05-77	9270
VOLATILE ORGANICS by GC									
Ethylene Dibromide	0.10	ug/l	0.02	1.0	4/29/05	11:03	M. Ricke	8011	6591
METALS									
Lead	ND	ug/l	5.0	1.0	4/25/05	12:57	K. Ahmed	6010B	7413

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56433
Sample ID: MW-12
Project: C-04-12-009

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	87.	70. - 130.
VOA Surr Toluene-d8	87.	78. - 121.
VOA Surr, 4-BFB	108.	78. - 126.
VOA Surr, DBFM	87.	79. - 122.
Surr., 1,3-DCB	83.0	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
The difference between the two channels for the EDB 8011 result is greater than forty percent.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56434
Sample ID: MW-13
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 8:15
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	4/23/05	19:19	S. Edwards	8260B	7965
Toluene	ND	ug/l	1.0	1.0	4/23/05	19:19	S. Edwards	8260B	7965
Ethylbenzene	ND	ug/l	1.0	1.0	4/23/05	19:19	S. Edwards	8260B	7965
Xylenes (Total)	ND	ug/l	1.0	1.0	4/23/05	19:19	S. Edwards	8260B	7965
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/23/05	19:19	S. Edwards	8260B	7965
Naphthalene	ND	ug/l	5.00	1.0	4/23/05	19:19	S. Edwards	8260B	7965
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/23/05	19:19	S. Edwards	8260B	7965
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/23/05	19:19	S. Edwards	8260B	7965
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/23/05	19:19	S. Edwards	8260B	7965
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/23/05	19:19	S. Edwards	8260B	7965
Ethanol	ND	ug/L	100.	1.0	4/23/05	19:19	S. Edwards	8260B	7965
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/23/05	19:19	S. Edwards	8260B	7965
t-Butyl Formate	ND	ug/L	10.0	1.0	4/23/05	19:19	S. Edwards	8260B	7965
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1.0	4/23/05	19:19	S. Edwards	8260B	7965
Diisopropyl ether	ND	ug/l	5.00	1.0	4/23/05	19:19	S. Edwards	8260/SA05-77	7965
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/28/05	22:22	M. Ricke	8011	6591
METALS									
Lead	ND	ug/l	5.0	1.0	4/25/05	12:57	K. Ahmed	6010B	7413

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56434
Sample ID: MW-13
Project: C-04-12-009

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	87.	70. - 130.
VOA Surr Toluene-d8	87.	78. - 121.
VOA Surr, 4-BFB	107.	78. - 126.
VOA Surr, DBFM	87.	79. - 122.
Surr., 1,3-DCB	91.0	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56435
Sample ID: MW-16
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 8:45
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	4/23/05	19:44	S. Edwards	8260B	7965
Toluene	1.6	ug/l	1.0	1.0	4/23/05	19:44	S. Edwards	8260B	7965
Ethylbenzene	ND	ug/l	1.0	1.0	4/23/05	19:44	S. Edwards	8260B	7965
Xylenes (Total)	7.7	ug/l	1.0	1.0	4/23/05	19:44	S. Edwards	8260B	7965
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/23/05	19:44	S. Edwards	8260B	7965
Naphthalene	ND	ug/l	5.00	1.0	4/23/05	19:44	S. Edwards	8260B	7965
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/23/05	19:44	S. Edwards	8260B	7965
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/23/05	19:44	S. Edwards	8260B	7965
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/23/05	19:44	S. Edwards	8260B	7965
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/23/05	19:44	S. Edwards	8260B	7965
Ethanol	ND	ug/L	100.	1.0	4/23/05	19:44	S. Edwards	8260B	7965
t-Amyl Alcohol	171.	ug/L	10.0	1.0	4/23/05	19:44	S. Edwards	8260B	7965
t-Butyl Formate	ND	ug/L	10.0	1.0	4/23/05	19:44	S. Edwards	8260B	7965
Ethyl-t-butyl alcohol	16.7	ug/L	10.0	1.0	4/23/05	19:44	S. Edwards	8260B	7965
Diisopropyl ether	ND	ug/l	5.00	1.0	4/23/05	19:44	S. Edwards	8260/SA05-77	7965
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/28/05	22:41	M. Ricke	8011	6591
METALS									
Lead	ND	ug/l	5.0	1.0	4/25/05	12:57	K. Ahmed	6010B	7413

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56435
Sample ID: MW-16
Project: C-04-12-009

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	86.	70. - 130.
VOA Surr Toluene-d8	88.	78. - 121.
VOA Surr, 4-BFB	105.	78. - 126.
VOA Surr, DBFM	86.	79. - 122.
Surr., 1,3-DCB	95.0	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56436
Sample ID: MW-17
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 9:00
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	4720	ug/l	100.	100.	4/24/05	20:12	A. Bruton	8260B	9270
Toluene	32600	ug/l	1000	1000	4/24/05	20:37	A. Bruton	8260B	9272
Ethylbenzene	4440	ug/l	100.	100.	4/24/05	20:12	A. Bruton	8260B	9270
Xylenes (Total)	23700	ug/l	100.	100.	4/24/05	20:12	A. Bruton	8260B	9270
Methyl-t-butyl ether	2.2	ug/l	1.0	1.0	4/23/05	20:09	S. Edwards	8260B	7965
Naphthalene	620.	ug/l	500.	100.	4/24/05	20:12	A. Bruton	8260B	9270
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/23/05	20:09	S. Edwards	8260B	7965
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/23/05	20:09	S. Edwards	8260B	7965
Tertiary butyl alcohol	97.8	ug/l	10.0	1.0	4/23/05	20:09	S. Edwards	8260B	7965
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/23/05	20:09	S. Edwards	8260B	7965
Ethanol	ND	ug/L	100.	1.0	4/23/05	20:09	S. Edwards	8260B	7965
t-Amyl Alcohol	13800	ug/L	1000	100.	4/24/05	20:12	A. Bruton	8260B	9270
t-Butyl Formate	ND	ug/L	10.0	1.0	4/23/05	20:09	S. Edwards	8260B	7965
Ethyl-t-butyl alcohol	1260	ug/L	1000	100.	4/24/05	20:12	A. Bruton	8260B	9270
Diisopropyl ether	55.1	ug/l	5.00	1.0	4/23/05	20:09	S. Edwards	8260/SA05-77	7965
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/28/05	23:01	M. Ricke	8011	6591
METALS									
Lead	48.0	ug/l	5.0	1.0	4/25/05	12:57	K. Ahmed	6010B	7413

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56436
Sample ID: MW-17
Project: C-04-12-009

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	87.	70. - 130.
VOA Surr Toluene-d8	86.	78. - 121.
VOA Surr, 4-BFB	106.	78. - 126.
VOA Surr, DBFM	88.	79. - 122.
Surr., 1,3-DCB	80.0 #	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56437
Sample ID: MW-26
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 11:00
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	4/24/05	16:54	A. Bruton	8260B	9270
Toluene	ND	ug/l	1.0	1.0	4/24/05	16:54	A. Bruton	8260B	9270
Ethylbenzene	ND	ug/l	1.0	1.0	4/24/05	16:54	A. Bruton	8260B	9270
Xylenes (Total)	ND	ug/l	1.0	1.0	4/24/05	16:54	A. Bruton	8260B	9270
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/24/05	16:54	A. Bruton	8260B	9270
Naphthalene	ND	ug/l	5.00	1.0	4/24/05	16:54	A. Bruton	8260B	9270
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/24/05	16:54	A. Bruton	8260B	9270
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/24/05	16:54	A. Bruton	8260B	9270
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/24/05	16:54	A. Bruton	8260B	9270
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/24/05	16:54	A. Bruton	8260B	9270
Ethanol	ND	ug/L	100.	1.0	4/24/05	16:54	A. Bruton	8260B	9270
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/24/05	16:54	A. Bruton	8260B	9270
t-Butyl Formate	ND	ug/L	10.0	1.0	4/24/05	16:54	A. Bruton	8260B	9270
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1.0	4/24/05	16:54	A. Bruton	8260B	9270
Diisopropyl ether	ND	ug/l	5.00	1.0	4/24/05	16:54	A. Bruton	8260/SA05-77	9270
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/28/05	23:20	M. Ricke	8011	6591
METALS									
Lead	ND	ug/l	5.0	1.0	4/25/05	12:57	K. Ahmed	6010B	7413

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56437
Sample ID: MW-26
Project: C-04-12-009

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	88.	70. - 130.
VOA Surr Toluene-d8	88.	78. - 121.
VOA Surr, 4-BFB	107.	78. - 126.
VOA Surr, DBFM	87.	79. - 122.
Surr., 1,3-DCB	68.0 #	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56439
Sample ID: MW-47
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 16:15
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	5.8	ug/l	1.0	1.0	4/23/05	7:59	S. Edwards	8260B	7959
Toluene	ND	ug/l	1.0	1.0	4/23/05	7:59	S. Edwards	8260B	7959
Ethylbenzene	ND	ug/l	1.0	1.0	4/23/05	7:59	S. Edwards	8260B	7959
Xylenes (Total)	7.5	ug/l	1.0	1.0	4/23/05	7:59	S. Edwards	8260B	7959
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/23/05	7:59	S. Edwards	8260B	7959
Naphthalene	ND	ug/l	5.00	1.0	4/23/05	7:59	S. Edwards	8260B	7959
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/23/05	7:59	S. Edwards	8260B	7959
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/23/05	7:59	S. Edwards	8260B	7959
Tertiary butyl alcohol	54.2	ug/l	10.0	1.0	4/23/05	7:59	S. Edwards	8260B	7959
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/23/05	7:59	S. Edwards	8260B	7959
Ethanol	ND	ug/L	100.	1.0	4/23/05	7:59	S. Edwards	8260B	7959
t-Amyl Alcohol	3710	ug/L	100.	10.0	4/25/05	16:32	A. Bruton	8260B	9287
t-Butyl Formate	ND	ug/L	10.0	1.0	4/23/05	7:59	S. Edwards	8260B	7959
Ethyl-t-butyl alcohol	369.	ug/L	10.0	1.0	4/23/05	7:59	S. Edwards	8260B	7959
Diisopropyl ether	ND	ug/l	5.00	1.0	4/23/05	7:59	S. Edwards	8260/SA05-77	7959
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/28/05	23:59	M. Ricke	8011	6591
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/27/05	14:37	K. Roberso	RSK175M	7554
METALS									
Iron, Dissolved	56.0	ug/l	50.0	1.0	4/26/05	10:52	C. Otero	6010B	7417
Lead	ND	ug/l	5.0	1.0	4/25/05	12:57	K. Ahmed	6010B	7413

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56439
Sample ID: MW-47
Project: C-04-12-009

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	4.58	mg/l	0.100	1.0	4/22/05	18:23	W. Choate	353.2	6795
Sulfate	6.15	mg/l	1.00	1.0	4/22/05	15:18	G. Baun	9056	6419

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	86.	70. - 130.
VOA Surr Toluene-d8	86.	78. - 121.
VOA Surr, 4-BFB	104.	78. - 126.
VOA Surr, DBFM	87.	79. - 122.
Surr., 1,3-DCB	85.0	83. - 134.
Surr - Acetylene	97.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56440
Sample ID: MW-48
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 16:30
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	4/23/05	8:24	S. Edwards	8260B	7959
Toluene	ND	ug/l	1.0	1.0	4/23/05	8:24	S. Edwards	8260B	7959
Ethylbenzene	ND	ug/l	1.0	1.0	4/23/05	8:24	S. Edwards	8260B	7959
Xylenes (Total)	ND	ug/l	1.0	1.0	4/23/05	8:24	S. Edwards	8260B	7959
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/23/05	8:24	S. Edwards	8260B	7959
Naphthalene	ND	ug/l	5.00	1.0	4/23/05	8:24	S. Edwards	8260B	7959
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/23/05	8:24	S. Edwards	8260B	7959
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/23/05	8:24	S. Edwards	8260B	7959
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/23/05	8:24	S. Edwards	8260B	7959
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/23/05	8:24	S. Edwards	8260B	7959
Ethanol	ND	ug/L	100.	1.0	4/23/05	8:24	S. Edwards	8260B	7959
t-Amyl Alcohol	49.9	ug/L	10.0	1.0	4/23/05	8:24	S. Edwards	8260B	7959
t-Butyl Formate	ND	ug/L	10.0	1.0	4/23/05	8:24	S. Edwards	8260B	7959
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1.0	4/23/05	8:24	S. Edwards	8260B	7959
Diisopropyl ether	ND	ug/l	5.00	1.0	4/23/05	8:24	S. Edwards	8260/SA05-77	7959
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/29/05	0:19	M. Ricke	8011	6591
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/27/05	14:57	K. Roberso	RSK175M	7554
METALS									
Iron, Dissolved	ND	ug/l	50.0	1.0	4/26/05	10:52	C. Otero	6010B	7417
Lead	6.9	ug/l	5.0	1.0	4/25/05	12:57	K. Ahmed	6010B	7413

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56440
Sample ID: MW-48
Project: C-04-12-009

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	8.85	mg/l	0.100	1.0	4/22/05	16:51	W. Choate	353.2	6795
Sulfate	126.	mg/l	10.0	10.0	4/22/05	15:18	G. Baun	9056	6419

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	86.	70. - 130.
VOA Surr Toluene-d8	86.	78. - 121.
VOA Surr, 4-BFB	105.	78. - 126.
VOA Surr, DBFM	88.	79. - 122.
Surr., 1,3-DCB	82.0 #	83. - 134.
Surr - Acetylene	94.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56441
Sample ID: MW-49
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 16:45
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	4/23/05	8:49	S. Edwards	8260B	7959
Toluene	ND	ug/l	1.0	1.0	4/23/05	8:49	S. Edwards	8260B	7959
Ethylbenzene	ND	ug/l	1.0	1.0	4/23/05	8:49	S. Edwards	8260B	7959
Xylenes (Total)	ND	ug/l	1.0	1.0	4/23/05	8:49	S. Edwards	8260B	7959
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/23/05	8:49	S. Edwards	8260B	7959
Naphthalene	ND	ug/l	5.00	1.0	4/23/05	8:49	S. Edwards	8260B	7959
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/23/05	8:49	S. Edwards	8260B	7959
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/23/05	8:49	S. Edwards	8260B	7959
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/23/05	8:49	S. Edwards	8260B	7959
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/23/05	8:49	S. Edwards	8260B	7959
Ethanol	ND	ug/L	100.	1.0	4/23/05	8:49	S. Edwards	8260B	7959
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/23/05	8:49	S. Edwards	8260B	7959
t-Butyl Formate	ND	ug/L	10.0	1.0	4/23/05	8:49	S. Edwards	8260B	7959
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1.0	4/23/05	8:49	S. Edwards	8260B	7959
Diisopropyl ether	ND	ug/l	5.00	1.0	4/23/05	8:49	S. Edwards	8260/SA05-77	7959
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/29/05	0:38	M. Ricke	8011	6591
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/27/05	15:01	K. Roberso	RSK175M	7554
METALS									
Iron, Dissolved	ND	ug/l	50.0	1.0	4/26/05	10:52	C. Otero	6010B	7417
Lead	ND	ug/l	5.0	1.0	4/25/05	12:57	K. Ahmed	6010B	7413

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56441
Sample ID: MW-49
Project: C-04-12-009

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	18.4	mg/l	0.200	2.0	4/22/05	17:18	W. Choate	353.2	6795
Sulfate	61.0	mg/l	5.00	5.0	4/22/05	15:18	G. Baun	9056	6419

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	87.	70. - 130.
VOA Surr Toluene-d8	87.	78. - 121.
VOA Surr, 4-BFB	106.	78. - 126.
VOA Surr, DBFM	87.	79. - 122.
Surr., 1,3-DCB	88.0	83. - 134.
Surr - Acetylene	91.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56442
Sample ID: MW-50
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 17:00
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	4/23/05	9:14	S. Edwards	8260B	7959
Toluene	ND	ug/l	1.0	1.0	4/23/05	9:14	S. Edwards	8260B	7959
Ethylbenzene	ND	ug/l	1.0	1.0	4/23/05	9:14	S. Edwards	8260B	7959
Xylenes (Total)	ND	ug/l	1.0	1.0	4/23/05	9:14	S. Edwards	8260B	7959
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/23/05	9:14	S. Edwards	8260B	7959
Naphthalene	ND	ug/l	5.00	1.0	4/23/05	9:14	S. Edwards	8260B	7959
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/23/05	9:14	S. Edwards	8260B	7959
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/23/05	9:14	S. Edwards	8260B	7959
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/23/05	9:14	S. Edwards	8260B	7959
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/23/05	9:14	S. Edwards	8260B	7959
Ethanol	ND	ug/L	100.	1.0	4/23/05	9:14	S. Edwards	8260B	7959
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/23/05	9:14	S. Edwards	8260B	7959
t-Butyl Formate	ND	ug/L	10.0	1.0	4/23/05	9:14	S. Edwards	8260B	7959
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1.0	4/23/05	9:14	S. Edwards	8260B	7959
Diisopropyl ether	ND	ug/l	5.00	1.0	4/23/05	9:14	S. Edwards	8260/SA05-77	7959
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/29/05	0:57	M. Ricke	8011	6591
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/27/05	15:07	K. Roberso	RSK175M	7554
METALS									
Iron, Dissolved	ND	ug/l	50.0	1.0	4/26/05	10:52	C. Otero	6010B	7417
Lead	ND	ug/l	5.0	1.0	4/25/05	12:57	K. Ahmed	6010B	7413

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56442
Sample ID: MW-50
Project: C-04-12-009

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	0.670	mg/l	0.100	1.0	4/22/05	16:52	W. Choate	353.2	6795
Sulfate	51.5	mg/l	5.00	5.0	4/22/05	15:18	G. Baun	9056	6419

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	86.	70. - 130.
VOA Surr Toluene-d8	87.	78. - 121.
VOA Surr, 4-BFB	106.	78. - 126.
VOA Surr, DBFM	88.	79. - 122.
Surr., 1,3-DCB	68.0 #	83. - 134.
Surr - Acetylene	98.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56443
Sample ID: MW-51
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 15:00
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	4/23/05	9:39	S. Edwards	8260B	7959
Toluene	ND	ug/l	1.0	1.0	4/23/05	9:39	S. Edwards	8260B	7959
Ethylbenzene	ND	ug/l	1.0	1.0	4/23/05	9:39	S. Edwards	8260B	7959
Xylenes (Total)	ND	ug/l	1.0	1.0	4/23/05	9:39	S. Edwards	8260B	7959
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/23/05	9:39	S. Edwards	8260B	7959
Naphthalene	ND	ug/l	5.00	1.0	4/23/05	9:39	S. Edwards	8260B	7959
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/23/05	9:39	S. Edwards	8260B	7959
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/23/05	9:39	S. Edwards	8260B	7959
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/23/05	9:39	S. Edwards	8260B	7959
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/23/05	9:39	S. Edwards	8260B	7959
Ethanol	ND	ug/L	100.	1.0	4/23/05	9:39	S. Edwards	8260B	7959
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/23/05	9:39	S. Edwards	8260B	7959
t-Butyl Formate	ND	ug/L	10.0	1.0	4/23/05	9:39	S. Edwards	8260B	7959
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1.0	4/23/05	9:39	S. Edwards	8260B	7959
Diisopropyl ether	ND	ug/l	5.00	1.0	4/23/05	9:39	S. Edwards	8260/SA05-77	7959
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/29/05	1:36	M. Ricke	8011	6591
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/27/05	15:12	K. Roberso	RSK175M	7554
METALS									
Iron, Dissolved	ND	ug/l	50.0	1.0	4/26/05	10:52	C. Otero	6010B	7417
Lead	ND	ug/l	5.0	1.0	4/25/05	12:57	K. Ahmed	6010B	7413

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56443
Sample ID: MW-51
Project: C-04-12-009

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	4.52	mg/l	0.100	1.0	4/22/05	16:54	W. Choate	353.2	6795
Sulfate	1.70	mg/l	1.00	1.0	4/22/05	15:18	G. Baun	9056	6419

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	86.	70. - 130.
VOA Surr Toluene-d8	86.	78. - 121.
VOA Surr, 4-BFB	104.	78. - 126.
VOA Surr, DBFM	88.	79. - 122.
Surr., 1,3-DCB	106.	83. - 134.
Surr - Acetylene	99.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56444
Sample ID: MW-52
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 15:15
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	4/24/05	15:39	A. Bruton	8260B	9270
Toluene	ND	ug/l	1.0	1.0	4/24/05	15:39	A. Bruton	8260B	9270
Ethylbenzene	ND	ug/l	1.0	1.0	4/24/05	15:39	A. Bruton	8260B	9270
Xylenes (Total)	ND	ug/l	1.0	1.0	4/24/05	15:39	A. Bruton	8260B	9270
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/24/05	15:39	A. Bruton	8260B	9270
Naphthalene	ND	ug/l	5.00	1.0	4/24/05	15:39	A. Bruton	8260B	9270
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/24/05	15:39	A. Bruton	8260B	9270
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/24/05	15:39	A. Bruton	8260B	9270
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/24/05	15:39	A. Bruton	8260B	9270
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/24/05	15:39	A. Bruton	8260B	9270
Ethanol	ND	ug/L	100.	1.0	4/24/05	15:39	A. Bruton	8260B	9270
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/24/05	15:39	A. Bruton	8260B	9270
t-Butyl Formate	ND	ug/L	10.0	1.0	4/24/05	15:39	A. Bruton	8260B	9270
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1.0	4/24/05	15:39	A. Bruton	8260B	9270
Diisopropyl ether	ND	ug/l	5.00	1.0	4/24/05	15:39	A. Bruton	8260/SA05-77	9270
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/29/05	1:56	M. Ricke	8011	6591
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/27/05	15:26	K. Roberso	RSK175M	7554
METALS									
Iron, Dissolved	821.	ug/l	50.0	1.0	4/26/05	10:52	C. Otero	6010B	7417
Lead	ND	ug/l	5.0	1.0	4/25/05	12:57	K. Ahmed	6010B	7413

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56444
Sample ID: MW-52
Project: C-04-12-009

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	4.74	mg/l	0.100	1.0	4/22/05	16:54	W. Choate	353.2	6795
Sulfate	4.14	mg/l	1.00	1.0	4/22/05	15:18	G. Baun	9056	6419

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	87.	70. - 130.
VOA Surr Toluene-d8	87.	78. - 121.
VOA Surr, 4-BFB	108.	78. - 126.
VOA Surr, DBFM	87.	79. - 122.
Surr., 1,3-DCB	111.	83. - 134.
Surr - Acetylene	96.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56445
Sample ID: MW-53
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 17:15
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	1.5	ug/l	1.0	1.0	4/24/05	16:03	A. Bruton	8260B	9270
Toluene	ND	ug/l	1.0	1.0	4/24/05	16:03	A. Bruton	8260B	9270
Ethylbenzene	ND	ug/l	1.0	1.0	4/24/05	16:03	A. Bruton	8260B	9270
Xylenes (Total)	ND	ug/l	1.0	1.0	4/24/05	16:03	A. Bruton	8260B	9270
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/24/05	16:03	A. Bruton	8260B	9270
Naphthalene	ND	ug/l	5.00	1.0	4/24/05	16:03	A. Bruton	8260B	9270
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/24/05	16:03	A. Bruton	8260B	9270
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/24/05	16:03	A. Bruton	8260B	9270
Tertiary butyl alcohol	19.9	ug/l	10.0	1.0	4/24/05	16:03	A. Bruton	8260B	9270
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/24/05	16:03	A. Bruton	8260B	9270
Ethanol	ND	ug/L	100.	1.0	4/24/05	16:03	A. Bruton	8260B	9270
t-Amyl Alcohol	533.	ug/L	10.0	1.0	4/24/05	16:03	A. Bruton	8260B	9270
t-Butyl Formate	ND	ug/L	10.0	1.0	4/24/05	16:03	A. Bruton	8260B	9270
Ethyl-t-butyl alcohol	75.9	ug/L	10.0	1.0	4/24/05	16:03	A. Bruton	8260B	9270
Diisopropyl ether	ND	ug/l	5.00	1.0	4/24/05	16:03	A. Bruton	8260/SA05-77	9270
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/29/05	2:16	M. Ricke	8011	6591
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/27/05	15:38	K. Roberso	RSK175M	7554
METALS									
Iron, Dissolved	3010	ug/l	50.0	1.0	4/26/05	10:52	C. Otero	6010B	7417
Lead	ND	ug/l	5.0	1.0	4/25/05	12:57	K. Ahmed	6010B	7413

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56445
Sample ID: MW-53
Project: C-04-12-009

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	1.48	mg/l	0.100	1.0	4/22/05	16:55	W. Choate	353.2	6795
Sulfate	14.6	mg/l	1.00	1.0	4/22/05	15:18	G. Baun	9056	6419

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	82.	70. - 130.
VOA Surr Toluene-d8	88.	78. - 121.
VOA Surr, 4-BFB	108.	78. - 126.
VOA Surr, DBFM	81.	79. - 122.
Surr., 1,3-DCB	101.	83. - 134.
Surr - Acetylene	97.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56446
Sample ID: MW-54
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 17:30
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	139.	ug/l	1.0	1.0	4/24/05	16:28	A. Bruton	8260B	9270
Toluene	ND	ug/l	1.0	1.0	4/24/05	16:28	A. Bruton	8260B	9270
Ethylbenzene	ND	ug/l	1.0	1.0	4/24/05	16:28	A. Bruton	8260B	9270
Xylenes (Total)	2.8	ug/l	1.0	1.0	4/24/05	16:28	A. Bruton	8260B	9270
Methyl-t-butyl ether	14.8	ug/l	1.0	1.0	4/24/05	16:28	A. Bruton	8260B	9270
Naphthalene	ND	ug/l	5.00	1.0	4/24/05	16:28	A. Bruton	8260B	9270
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/24/05	16:28	A. Bruton	8260B	9270
tert-amyl methyl ether	5.2	ug/L	1.0	1.0	4/24/05	16:28	A. Bruton	8260B	9270
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/24/05	16:28	A. Bruton	8260B	9270
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/24/05	16:28	A. Bruton	8260B	9270
Ethanol	ND	ug/L	100.	1.0	4/24/05	16:28	A. Bruton	8260B	9270
t-Amyl Alcohol	263.	ug/L	10.0	1.0	4/24/05	16:28	A. Bruton	8260B	9270
t-Butyl Formate	ND	ug/L	10.0	1.0	4/24/05	16:28	A. Bruton	8260B	9270
Ethyl-t-butyl alcohol	17.5	ug/L	10.0	1.0	4/24/05	16:28	A. Bruton	8260B	9270
Diisopropyl ether	29.0	ug/l	5.00	1.0	4/24/05	16:28	A. Bruton	8260/SA05-77	9270
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/29/05	2:35	M. Ricke	8011	6591
MISCELLANEOUS GC PARAMETERS									
Methane	1530	ug/L	26.	1.0	4/27/05	15:42	K. Roberso	RSK175M	7554
METALS									
Iron, Dissolved	ND	ug/l	50.0	1.0	4/26/05	10:52	C. Otero	6010B	7417
Lead	60.0	ug/l	5.0	1.0	4/25/05	20:05	K. Ahmed	6010B	7414

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56446
Sample ID: MW-54
Project: C-04-12-009

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/l	0.100	1.0	4/22/05	16:55	W. Choate	353.2	6795
Sulfate	24.6	mg/l	1.00	1.0	4/22/05	15:18	G. Baun	9056	6419

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	84.	70. - 130.
VOA Surr Toluene-d8	87.	78. - 121.
VOA Surr, 4-BFB	106.	78. - 126.
VOA Surr, DBFM	88.	79. - 122.
Surr., 1,3-DCB	81.0 #	83. - 134.
Surr - Acetylene	96.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56447
Sample ID: MW-55
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 17:45
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	213.	ug/l	5.0	5.0	4/24/05	18:58	A. Bruton	8260B	9272
Toluene	ND	ug/l	1.0	1.0	4/24/05	18:33	A. Bruton	8260B	9270
Ethylbenzene	5.8	ug/l	1.0	1.0	4/24/05	18:33	A. Bruton	8260B	9270
Xylenes (Total)	ND	ug/l	1.0	1.0	4/24/05	18:33	A. Bruton	8260B	9270
Methyl-t-butyl ether	329.	ug/l	5.0	5.0	4/24/05	18:58	A. Bruton	8260B	9272
Naphthalene	16.9	ug/l	5.00	1.0	4/24/05	18:33	A. Bruton	8260B	9270
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/24/05	18:33	A. Bruton	8260B	9270
tert-amyl methyl ether	11.2	ug/L	1.0	1.0	4/24/05	18:33	A. Bruton	8260B	9270
Tertiary butyl alcohol	129.	ug/l	10.0	1.0	4/24/05	18:33	A. Bruton	8260B	9270
1,2-Dichloroethane	18.6	ug/l	1.00	1.0	4/24/05	18:33	A. Bruton	8260B	9270
Ethanol	ND	ug/L	100.	1.0	4/24/05	18:33	A. Bruton	8260B	9270
t-Amyl Alcohol	724.	ug/L	10.0	1.0	4/24/05	18:33	A. Bruton	8260B	9270
t-Butyl Formate	ND	ug/L	10.0	1.0	4/24/05	18:33	A. Bruton	8260B	9270
Ethyl-t-butyl alcohol	59.2	ug/L	10.0	1.0	4/24/05	18:33	A. Bruton	8260B	9270
Diisopropyl ether	63.4	ug/l	5.00	1.0	4/24/05	18:33	A. Bruton	8260/SA05-77	9270
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/29/05	4:12	M. Ricke	8011	6593
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/27/05	15:48	K. Roberso	RSK175M	7554
METALS									
Iron, Dissolved	1680	ug/l	50.0	1.0	4/26/05	10:52	C. Otero	6010B	7417
Lead	ND	ug/l	5.0	1.0	4/25/05	20:05	K. Ahmed	6010B	7414

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56447
Sample ID: MW-55
Project: C-04-12-009

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/l	0.100	1.0	4/22/05	16:56	W. Choate	353.2	6795
Sulfate	19.9	mg/l	1.00	1.0	4/22/05	15:18	G. Baun	9056	6419

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	87.	70. - 130.
VOA Surr Toluene-d8	87.	78. - 121.
VOA Surr, 4-BFB	106.	78. - 126.
VOA Surr, DBFM	87.	79. - 122.
Surr., 1,3-DCB	99.0	83. - 134.
Surr - Acetylene	94.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56448
Sample ID: MW-56
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 18:00
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	4/22/05	17:26	S. Edwards	8260B	8029
Toluene	ND	ug/l	1.0	1.0	4/22/05	17:26	S. Edwards	8260B	8029
Ethylbenzene	ND	ug/l	1.0	1.0	4/22/05	17:26	S. Edwards	8260B	8029
Xylenes (Total)	ND	ug/l	1.0	1.0	4/22/05	17:26	S. Edwards	8260B	8029
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/22/05	17:26	S. Edwards	8260B	8029
Naphthalene	ND	ug/l	5.00	1.0	4/22/05	17:26	S. Edwards	8260B	8029
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/22/05	17:26	S. Edwards	8260B	8029
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/22/05	17:26	S. Edwards	8260B	8029
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/22/05	17:26	S. Edwards	8260B	8029
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/22/05	17:26	S. Edwards	8260B	8029
Ethanol	ND	ug/L	100.	1.0	4/22/05	17:26	S. Edwards	8260B	8029
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/22/05	17:26	S. Edwards	8260B	8029
t-Butyl Formate	ND	ug/L	10.0	1.0	4/22/05	17:26	S. Edwards	8260B	8029
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1.0	4/22/05	17:26	S. Edwards	8260B	8029
Diisopropyl ether	ND	ug/l	5.00	1.0	4/22/05	17:26	S. Edwards	8260/SA05-77	8029
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/29/05	5:11	M. Ricke	8011	6593
MISCELLANEOUS GC PARAMETERS									
Methane	76.	ug/L	26.	1.0	4/27/05	15:51	K. Roberso	RSK175M	7554
METALS									
Iron, Dissolved	ND	ug/l	50.0	1.0	4/26/05	10:52	C. Otero	6010B	7417
Lead	ND	ug/l	5.0	1.0	4/25/05	20:05	K. Ahmed	6010B	7414

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56448
Sample ID: MW-56
Project: C-04-12-009

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	4.25	mg/l	0.100	1.0	4/22/05	16:56	W. Choate	353.2	6795
Sulfate	36.4	mg/l	1.00	1.0	4/22/05	15:18	G. Baun	9056	6419

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	99.	70. - 130.
VOA Surr Toluene-d8	100.	78. - 121.
VOA Surr, 4-BFB	102.	78. - 126.
VOA Surr, DBFM	102.	79. - 122.
Surr., 1,3-DCB	76.0 #	83. - 134.
Surr - Acetylene	98.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56449
Sample ID: MW-57
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 13:00
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	8390	ug/l	100.	100.	4/24/05	5:34	T McCollum	8260B	8439
Toluene	5400	ug/l	100.	100.	4/24/05	5:34	T McCollum	8260B	8439
Ethylbenzene	1170	ug/l	10.0	10.0	4/24/05	5:11	T McCollum	8260B	8433
Xylenes (Total)	4390	ug/l	10.0	10.0	4/24/05	5:11	T McCollum	8260B	8433
Methyl-t-butyl ether	1590	ug/l	10.0	10.0	4/24/05	5:11	T McCollum	8260B	8433
Naphthalene	240.	ug/l	50.0	10.0	4/24/05	5:11	T McCollum	8260B	8433
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/22/05	17:49	S. Edwards	8260B	8029
tert-amyl methyl ether	129.	ug/L	1.0	1.0	4/22/05	17:49	S. Edwards	8260B	8029
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/22/05	17:49	S. Edwards	8260B	8029
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/22/05	17:49	S. Edwards	8260B	8029
Ethanol	ND	ug/L	100.	1.0	4/22/05	17:49	S. Edwards	8260B	8029
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/22/05	17:49	S. Edwards	8260B	8029
t-Butyl Formate	ND	ug/L	10.0	1.0	4/22/05	17:49	S. Edwards	8260B	8029
Ethyl-t-butyl alcohol	344.	ug/L	10.0	1.0	4/22/05	17:49	S. Edwards	8260B	8029
Diisopropyl ether	786.	ug/l	50.0	10.0	4/24/05	5:11	T McCollum	8260/SA05-77	8433
VOLATILE ORGANICS by GC									
Ethylene Dibromide	0.05	ug/l	0.02	1.0	4/29/05	4:32	M. Ricke	8011	6593
MISCELLANEOUS GC PARAMETERS									
Methane	2620	ug/L	26.	1.0	4/27/05	15:55	K. Roberso	RSK175M	7554
METALS									
Iron, Dissolved	2220	ug/l	50.0	1.0	4/26/05	10:52	C. Otero	6010B	7417
Lead	ND	ug/l	5.0	1.0	4/25/05	20:05	K. Ahmed	6010B	7414

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56449
Sample ID: MW-57
Project: C-04-12-009

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/l	0.100	1.0	4/22/05	16:57	W. Choate	353.2	6795
Sulfate	5.21	mg/l	1.00	1.0	4/22/05	15:18	G. Baun	9056	6419

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	98.	70. - 130.
VOA Surr Toluene-d8	100.	78. - 121.
VOA Surr, 4-BFB	101.	78. - 126.
VOA Surr, DBFM	101.	79. - 122.
Surr., 1,3-DCB	78.0 #	83. - 134.
Surr - Acetylene	94.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.
The difference between the two EDB channels is greater than 40%.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56450
Sample ID: MW-58
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 13:15
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	5920	ug/l	100.	100.	4/24/05	6:21	T McCollum	8260B	8439
Toluene	162.	ug/l	1.0	1.0	4/22/05	18:13	S. Edwards	8260B	8029
Ethylbenzene	380.	ug/l	5.0	5.0	4/24/05	5:58	T McCollum	8260B	8433
Xylenes (Total)	159.	ug/l	1.0	1.0	4/22/05	18:13	S. Edwards	8260B	8029
Methyl-t-butyl ether	442.	ug/l	5.0	5.0	4/24/05	5:58	T McCollum	8260B	8433
Naphthalene	218.	ug/l	25.0	5.0	4/24/05	5:58	T McCollum	8260B	8433
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/22/05	18:13	S. Edwards	8260B	8029
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/22/05	18:13	S. Edwards	8260B	8029
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/22/05	18:13	S. Edwards	8260B	8029
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/22/05	18:13	S. Edwards	8260B	8029
Ethanol	ND	ug/L	100.	1.0	4/22/05	18:13	S. Edwards	8260B	8029
t-Amyl Alcohol	9900	ug/L	50.0	5.0	4/24/05	5:58	T McCollum	8260B	8433
t-Butyl Formate	ND	ug/L	10.0	1.0	4/22/05	18:13	S. Edwards	8260B	8029
Ethyl-t-butyl alcohol	288.	ug/L	10.0	1.0	4/22/05	18:13	S. Edwards	8260B	8029
Diisopropyl ether	480.	ug/l	25.0	5.0	4/24/05	5:58	T McCollum	8260/SA05-77	8433
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/29/05	5:30	M. Ricke	8011	6593
MISCELLANEOUS GC PARAMETERS									
Methane	293.	ug/L	26.	1.0	4/27/05	15:59	K. Roberso	RSK175M	7554
METALS									
Iron, Dissolved	2760	ug/l	50.0	1.0	4/26/05	10:52	C. Otero	6010B	7417
Lead	17.0	ug/l	5.0	1.0	4/25/05	20:05	K. Ahmed	6010B	7414

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56450
Sample ID: MW-58
Project: C-04-12-009

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/l	0.100	1.0	4/22/05	16:57	W. Choate	353.2	6795
Sulfate	65.0	mg/l	5.00	5.0	4/22/05	15:18	G. Baun	9056	6419

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	98.	70. - 130.
VOA Surr Toluene-d8	99.	78. - 121.
VOA Surr, 4-BFB	103.	78. - 126.
VOA Surr, DBFM	102.	79. - 122.
Surr., 1,3-DCB	94.0	83. - 134.
Surr - Acetylene	96.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56451
Sample ID: MW-59
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 13:30
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	4/23/05	22:12	T McCollum	8260B	8433
Toluene	ND	ug/l	1.0	1.0	4/22/05	18:36	S. Edwards	8260B	8029
Ethylbenzene	ND	ug/l	1.0	1.0	4/22/05	18:36	S. Edwards	8260B	8029
Xylenes (Total)	ND	ug/l	1.0	1.0	4/22/05	18:36	S. Edwards	8260B	8029
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/22/05	18:36	S. Edwards	8260B	8029
Naphthalene	ND	ug/l	5.00	1.0	4/23/05	22:12	T McCollum	8260B	8433
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/22/05	18:36	S. Edwards	8260B	8029
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/22/05	18:36	S. Edwards	8260B	8029
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/22/05	18:36	S. Edwards	8260B	8029
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/22/05	18:36	S. Edwards	8260B	8029
Ethanol	ND	ug/L	100.	1.0	4/22/05	18:36	S. Edwards	8260B	8029
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/23/05	22:12	T McCollum	8260B	8433
t-Butyl Formate	ND	ug/L	10.0	1.0	4/22/05	18:36	S. Edwards	8260B	8029
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1.0	4/22/05	18:36	S. Edwards	8260B	8029
Diisopropyl ether	ND	ug/l	5.00	1.0	4/22/05	18:36	S. Edwards	8260/SA05-77	8029
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/29/05	5:50	M. Ricke	8011	6593
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/27/05	16:05	K. Roberso	RSK175M	7554
METALS									
Iron, Dissolved	ND	ug/l	50.0	1.0	4/26/05	10:52	C. Otero	6010B	7417
Lead	22.0	ug/l	5.0	1.0	4/25/05	20:05	K. Ahmed	6010B	7414

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56451
Sample ID: MW-59
Project: C-04-12-009

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	1.37	mg/l	0.100	1.0	4/22/05	16:59	W. Choate	353.2	6795
Sulfate	21.5	mg/l	1.00	1.0	4/22/05	15:18	G. Baun	9056	6419

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	88.	70. - 130.
VOA Surr Toluene-d8	100.	78. - 121.
VOA Surr, 4-BFB	98.	78. - 126.
VOA Surr, DBFM	99.	79. - 122.
Surr., 1,3-DCB	76.0 #	83. - 134.
Surr - Acetylene	95.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56452
Sample ID: MW-60
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 13:45
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	1.0	ug/l	1.0	1.0	4/22/05	18:59	S. Edwards	8260B	8029
Toluene	ND	ug/l	1.0	1.0	4/22/05	18:59	S. Edwards	8260B	8029
Ethylbenzene	ND	ug/l	1.0	1.0	4/22/05	18:59	S. Edwards	8260B	8029
Xylenes (Total)	ND	ug/l	1.0	1.0	4/22/05	18:59	S. Edwards	8260B	8029
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/22/05	18:59	S. Edwards	8260B	8029
Naphthalene	ND	ug/l	5.00	1.0	4/22/05	18:59	S. Edwards	8260B	8029
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/22/05	18:59	S. Edwards	8260B	8029
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/22/05	18:59	S. Edwards	8260B	8029
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/22/05	18:59	S. Edwards	8260B	8029
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/22/05	18:59	S. Edwards	8260B	8029
Ethanol	ND	ug/L	100.	1.0	4/22/05	18:59	S. Edwards	8260B	8029
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/22/05	18:59	S. Edwards	8260B	8029
t-Butyl Formate	ND	ug/L	10.0	1.0	4/22/05	18:59	S. Edwards	8260B	8029
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1.0	4/22/05	18:59	S. Edwards	8260B	8029
Diisopropyl ether	ND	ug/l	5.00	1.0	4/22/05	18:59	S. Edwards	8260/SA05-77	8029
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/29/05	6:09	M. Ricke	8011	6593
MISCELLANEOUS GC PARAMETERS									
Methane	33.	ug/L	26.	1.0	4/27/05	16:09	K. Roberso	RSK175M	7554
METALS									
Iron, Dissolved	ND	ug/l	50.0	1.0	4/26/05	10:52	C. Otero	6010B	7417
Lead	5.0	ug/l	5.0	1.0	4/25/05	20:05	K. Ahmed	6010B	7414

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56452
Sample ID: MW-60
Project: C-04-12-009

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	0.320	mg/l	0.100	1.0	4/22/05	17:00	W. Choate	353.2	6795
Sulfate	18.2	mg/l	1.00	1.0	4/22/05	15:18	G. Baun	9056	6419

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	91.	70. - 130.
VOA Surr Toluene-d8	100.	78. - 121.
VOA Surr, 4-BFB	103.	78. - 126.
VOA Surr, DBFM	98.	79. - 122.
Surr., 1,3-DCB	88.0	83. - 134.
Surr - Acetylene	94.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56453
Sample ID: DW-7
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 15:30
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	87.0	ug/l	1.0	1.0	4/22/05	19:23	S. Edwards	8260B	8029
Toluene	69.4	ug/l	1.0	1.0	4/22/05	19:23	S. Edwards	8260B	8029
Ethylbenzene	11.2	ug/l	1.0	1.0	4/22/05	19:23	S. Edwards	8260B	8029
Xylenes (Total)	33.1	ug/l	1.0	1.0	4/22/05	19:23	S. Edwards	8260B	8029
Methyl-t-butyl ether	17.2	ug/l	1.0	1.0	4/22/05	19:23	S. Edwards	8260B	8029
Naphthalene	8.00	ug/l	5.00	1.0	4/22/05	19:23	S. Edwards	8260B	8029
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/22/05	19:23	S. Edwards	8260B	8029
tert-amyl methyl ether	3.3	ug/L	1.0	1.0	4/22/05	19:23	S. Edwards	8260B	8029
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/22/05	19:23	S. Edwards	8260B	8029
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/22/05	19:23	S. Edwards	8260B	8029
Ethanol	ND	ug/L	100.	1.0	4/22/05	19:23	S. Edwards	8260B	8029
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/22/05	19:23	S. Edwards	8260B	8029
t-Butyl Formate	ND	ug/L	10.0	1.0	4/22/05	19:23	S. Edwards	8260B	8029
Ethyl-t-butyl alcohol	35.8	ug/L	10.0	1.0	4/22/05	19:23	S. Edwards	8260B	8029
Diisopropyl ether	14.5	ug/l	5.00	1.0	4/22/05	19:23	S. Edwards	8260/SA05-77	8029
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/29/05	6:28	M. Ricke	8011	6593
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/27/05	16:13	K. Roberso	RSK175M	7554
METALS									
Iron, Dissolved	ND	ug/l	50.0	1.0	4/26/05	10:52	C. Otero	6010B	7417
Lead	8.0	ug/l	5.0	1.0	4/25/05	20:05	K. Ahmed	6010B	7414

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56453
Sample ID: DW-7
Project: C-04-12-009

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	0.510	mg/l	0.100	1.0	4/22/05	17:00	W. Choate	353.2	6795
Sulfate	35.0	mg/l	2.00	2.0	4/22/05	15:18	G. Baun	9056	6419

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	98.	70. - 130.
VOA Surr Toluene-d8	100.	78. - 121.
VOA Surr, 4-BFB	101.	78. - 126.
VOA Surr, DBFM	102.	79. - 122.
Surr., 1,3-DCB	90.0	83. - 134.
Surr - Acetylene	95.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56454
Sample ID: DW-8
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 15:45
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	4/22/05	19:46	S. Edwards	8260B	8029
Toluene	ND	ug/l	1.0	1.0	4/22/05	19:46	S. Edwards	8260B	8029
Ethylbenzene	ND	ug/l	1.0	1.0	4/22/05	19:46	S. Edwards	8260B	8029
Xylenes (Total)	ND	ug/l	1.0	1.0	4/22/05	19:46	S. Edwards	8260B	8029
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	4/22/05	19:46	S. Edwards	8260B	8029
Naphthalene	ND	ug/l	5.00	1.0	4/22/05	19:46	S. Edwards	8260B	8029
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/22/05	19:46	S. Edwards	8260B	8029
tert-amyl methyl ether	ND	ug/L	1.0	1.0	4/22/05	19:46	S. Edwards	8260B	8029
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	4/22/05	19:46	S. Edwards	8260B	8029
1,2-Dichloroethane	ND	ug/l	1.00	1.0	4/22/05	19:46	S. Edwards	8260B	8029
Ethanol	ND	ug/L	100.	1.0	4/22/05	19:46	S. Edwards	8260B	8029
t-Amyl Alcohol	ND	ug/L	10.0	1.0	4/22/05	19:46	S. Edwards	8260B	8029
t-Butyl Formate	ND	ug/L	10.0	1.0	4/22/05	19:46	S. Edwards	8260B	8029
Ethyl-t-butyl alcohol	ND	ug/L	10.0	1.0	4/22/05	19:46	S. Edwards	8260B	8029
Diisopropyl ether	ND	ug/l	5.00	1.0	4/22/05	19:46	S. Edwards	8260/SA05-77	8029
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/29/05	6:48	M. Ricke	8011	6593
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1.0	4/27/05	16:17	K. Roberso	RSK175M	7554
METALS									
Iron, Dissolved	ND	ug/l	50.0	1.0	4/26/05	10:52	C. Otero	6010B	7417
Lead	34.0	ug/l	5.0	1.0	4/25/05	20:05	K. Ahmed	6010B	7414

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56454
Sample ID: DW-8
Project: C-04-12-009

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	0.720	mg/l	0.100	1.0	4/22/05	18:33	W. Choate	353.2	6795
Sulfate	87.1	mg/l	10.0	10.0	4/22/05	15:18	G. Baun	9056	6419

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	98.	70. - 130.
VOA Surr Toluene-d8	100.	78. - 121.
VOA Surr, 4-BFB	100.	78. - 126.
VOA Surr, DBFM	102.	79. - 122.
Surr., 1,3-DCB	102.	83. - 134.
Surr - Acetylene	97.0	70. - 130.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56438
Sample ID: SW-1
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 16:45
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	200.	ug/l	1.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Toluene	38.1	ug/l	1.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Ethylbenzene	11.7	ug/l	1.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Xylenes (Total)	28.8	ug/l	1.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Methyl-t-butyl ether	143.	ug/l	1.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Naphthalene	ND	ug/l	5.00	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
tert-amyl methyl ether	11.0	ug/L	1.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Tertiary butyl alcohol	37.0	ug/l	10.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
1,2-Dichloroethane	4.70	ug/l	1.00	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Ethanol	ND	ug/L	100.	1.0	4/24/05	17:43	A. Bruton	8260B	9270
t-Amyl Alcohol	422.	ug/L	10.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
t-Butyl Formate	ND	ug/L	10.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Ethyl-t-butyl alcohol	38.9	ug/L	10.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Diisopropyl ether	67.2	ug/l	5.00	1.0	4/24/05	17:43	A. Bruton	8260/SA05-77	9270
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/28/05	23:40	M. Ricke	8011	6591
METALS									
Lead	ND	ug/l	5.0	1.0	4/25/05	12:57	K. Ahmed	6010B	7413

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56438
Sample ID: SW-1
Project: C-04-12-009

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	86.	70. - 130.
VOA Surr Toluene-d8	86.	78. - 121.
VOA Surr, 4-BFB	107.	78. - 126.
VOA Surr, DBFM	87.	79. - 122.
Surr., 1,3-DCB	104.	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
ANALYTICAL TESTING CORPORATION
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800-765-0980 • 615-726-3404 Fax

PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Page: 1
Laboratory Receipt Date: 4/22/05

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA PARAMETERS								
Benzene	mg/l	< 0.0010	0.0515	0.0500	103	62 - 146	8029	56448
Benzene	mg/l	0.0365	0.0960	0.0500	119	62 - 146	7959	56432
Benzene	mg/l	< 0.0010	0.0475	0.0500	95	62 - 146	7965	56434
Benzene	mg/l	< 0.0003	0.0502	0.0500	100	62 - 146	8433	blank
Benzene	mg/l	1.61	1.49	0.0500	-240#	62 - 146	9270	57187
Benzene	mg/l	< 0.0003	0.0471	0.0500	94	62 - 146	1670	blank
Toluene	mg/l	0.0005	0.0519	0.0500	103	68 - 141	8029	56448
Toluene	mg/l	0.0234	0.0728	0.0500	99	68 - 141	7959	56432
Toluene	mg/l	< 0.0010	0.0435	0.0500	87	68 - 141	7965	56434
Toluene	mg/l	0.262	0.293	0.0500	62#	68 - 141	9270	57187
Toluene	mg/l	< 0.0002	0.0418	0.0500	84	68 - 141	1670	blank
VOA Surr 1,2-DCA-d4	% Rec				95	70 - 130	8029	
VOA Surr 1,2-DCA-d4	% Rec				70	70 - 130	7959	
VOA Surr 1,2-DCA-d4	% Rec				84	70 - 130	7965	
VOA Surr 1,2-DCA-d4	% Rec				94	70 - 130	8433	
VOA Surr 1,2-DCA-d4	% Rec				84	70 - 130	9270	
VOA Surr 1,2-DCA-d4	% Rec				88	70 - 130	9287	
VOA Surr 1,2-DCA-d4	% Rec				86	70 - 130	1670	
VOA Surr Toluene-d8	% Rec				101	78 - 121	8029	
VOA Surr Toluene-d8	% Rec				87	78 - 121	7959	
VOA Surr Toluene-d8	% Rec				86	78 - 121	7965	
VOA Surr Toluene-d8	% Rec				100	78 - 121	8433	
VOA Surr Toluene-d8	% Rec				87	78 - 121	9270	
VOA Surr Toluene-d8	% Rec				86	78 - 121	9287	
VOA Surr Toluene-d8	% Rec				87	78 - 121	1670	
VOA Surr, 4-BFB	% Rec				96	78 - 126	8029	

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
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Laboratory Receipt Date: 4/22/05

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA Surr, 4-BFB	% Rec				104	78 - 126	7959	
VOA Surr, 4-BFB	% Rec				100	78 - 126	7965	
VOA Surr, 4-BFB	% Rec				97	78 - 126	8433	
VOA Surr, 4-BFB	% Rec				104	78 - 126	9270	
VOA Surr, 4-BFB	% Rec				102	78 - 126	9287	
VOA Surr, 4-BFB	% Rec				102	78 - 126	1670	
VOA Surr, DBFM	% Rec				101	79 - 122	8029	
VOA Surr, DBFM	% Rec				80	79 - 122	7959	
VOA Surr, DBFM	% Rec				90	79 - 122	7965	
VOA Surr, DBFM	% Rec				100	79 - 122	8433	
VOA Surr, DBFM	% Rec				86	79 - 122	9270	
VOA Surr, DBFM	% Rec				89	79 - 122	9287	
VOA Surr, DBFM	% Rec				88	79 - 122	1670	
METALS								
Iron, Dissolved	mg/l	0.923	1.91	1.00	99	75. - 125.	7417	05-A56517
Lead	mg/l	< 0.0050	0.0460	0.0500	92	75. - 125.	7413	05-A56331
Lead	mg/l	< 0.0050	0.0460	0.0500	92	75. - 125.	7414	05-A56717
MISC PARAMETERS								
Nitrate-N as N	mg/l	4.58	10.4	6.00	97	90. - 110.	6795	05-A56439
Nitrate-N as N	mg/l	4.58	10.4	6.00	97	90. - 110.	6795	05-A56439
Sulfate	mg/l	6.15	20.2	15.0	94	80. - 120.	6419	05-A56439
Ethylene Dibromide	mg/l	< 0.00002	0.00030	0.00029	103	61. - 134.	6591	blank
Ethylene Dibromide	mg/l	< 0.00002	0.00030	0.00029	103	61. - 134.	6593	blank
Methane	mg/L	< 0.026	1.19	1.33	89	62. - 132.	7554	05-A56439

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON

Laboratory Receipt Date: 4/22/05

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/l	0.0515	0.0524	1.73	25.	8029
Benzene	mg/l	0.0960	0.0941	2.00	25.	7959
Benzene	mg/l	0.0475	0.0476	0.21	25.	7965
Benzene	mg/l	0.0502	0.0507	0.99	25.	8433
Benzene	mg/l	1.49	1.45	2.72	25.	9270
Benzene	mg/l	0.0471	0.0498	5.57	25.	1670
Toluene	mg/l	0.0519	0.0534	2.85	29.	8029
Toluene	mg/l	0.0728	0.0715	1.80	29.	7959
Toluene	mg/l	0.0435	0.0435	0.00	29.	7965
Toluene	mg/l	0.293	0.277	5.61	29.	9270
Toluene	mg/l	0.0418	0.0442	5.58	29.	1670
VOA Surr 1,2-DCA-d4	% Rec		96.			8029
VOA Surr 1,2-DCA-d4	% Rec		67.			7959
VOA Surr 1,2-DCA-d4	% Rec		84.			7965
VOA Surr 1,2-DCA-d4	% Rec		93.			8433
VOA Surr 1,2-DCA-d4	% Rec		85.			9270
VOA Surr 1,2-DCA-d4	% Rec		85.			9287
VOA Surr 1,2-DCA-d4	% Rec		85.			1670
VOA Surr Toluene-d8	% Rec		101.			8029
VOA Surr Toluene-d8	% Rec		87.			7959
VOA Surr Toluene-d8	% Rec		87.			7965
VOA Surr Toluene-d8	% Rec		100.			8433
VOA Surr Toluene-d8	% Rec		86.			9270
VOA Surr Toluene-d8	% Rec		86.			9287
VOA Surr Toluene-d8	% Rec		86.			1670
VOA Surr, 4-BFB	% Rec		96.			8029
VOA Surr, 4-BFB	% Rec		105.			7959

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
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Project Name: FORMER CLOUDS CHEVRON

Laboratory Receipt Date: 4/22/05

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
VOA Surr, 4-BFB	% Rec		101.			7965
VOA Surr, 4-BFB	% Rec		95.			8433
VOA Surr, 4-BFB	% Rec		104.			9270
VOA Surr, 4-BFB	% Rec		101.			9287
VOA Surr, 4-BFB	% Rec		103.			1670
VOA Surr, DBFM	% Rec		102.			8029
VOA Surr, DBFM	% Rec		80.			7959
VOA Surr, DBFM	% Rec		90.			7965
VOA Surr, DBFM	% Rec		100.			8433
VOA Surr, DBFM	% Rec		86.			9270
VOA Surr, DBFM	% Rec		89.			9287
VOA Surr, DBFM	% Rec		90.			1670
METALS						
Iron, Dissolved	mg/l	1.91	1.93	1.04	20	7417
Lead	mg/l	0.0460	0.0460	0.00	20	7413
Lead	mg/l	0.0460	0.0480	4.26	20	7414
MISC PARAMETERS						
Ethylene Dibromide	mg/l	0.00030	0.00030	0.00	50	6591
Ethylene Dibromide	mg/l	0.00030	0.00030	0.00	50	6593
Methane	mg/L	1.19	1.25	4.92	50	7554
Nitrate-N as N	mg/l	10.4	10.4	0.00	20	6795
Sulfate	mg/l	20.2	20.2	0.00	20	6419

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch

Project QC continued . . .

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VOA PARAMETERS						
Ethyl-t-butylether	mg/l	0.0500	0.0486	97	63 - 141	8029
Ethyl-t-butylether	mg/l	0.0500	0.0491	98	63 - 141	7959
Ethyl-t-butylether	mg/l	0.0500	0.0554	111	63 - 141	7965
Ethyl-t-butylether	mg/l	0.0500	0.0498	100	63 - 141	9270
Ethyl-t-butylether	mg/l	0.0500	0.0530	106	63 - 141	1670
tert-amyl methyl ether	mg/L	0.0500	0.0486	97	63 - 133	8029
tert-amyl methyl ether	mg/L	0.0500	0.0510	102	63 - 133	7959
tert-amyl methyl ether	mg/L	0.0500	0.0578	116	63 - 133	7965
tert-amyl methyl ether	mg/L	0.0500	0.0524	105	63 - 133	9270
tert-amyl methyl ether	mg/L	0.0500	0.0547	109	63 - 133	1670
Tertiary butyl alcohol	mg/l	0.500	0.460	92	41 - 160	8029
Tertiary butyl alcohol	mg/l	0.500	0.465	93	41 - 160	7959
Tertiary butyl alcohol	mg/l	0.500	0.721	144	41 - 160	7965
Tertiary butyl alcohol	mg/l	0.500	0.581	116	41 - 160	9270
Tertiary butyl alcohol	mg/l	0.500	0.724	145	41 - 160	1670
Benzene	mg/l	0.0500	0.0488	98	76 - 127	8029
Benzene	mg/l	0.0500	0.0520	104	76 - 127	7959
Benzene	mg/l	0.0500	0.0518	104	76 - 127	7965
Benzene	mg/l	0.0500	0.0482	96	76 - 127	8433
Benzene	mg/l	0.0500	0.0482	96	76 - 127	8439
Benzene	mg/l	0.0500	0.0519	104	76 - 127	9270
Benzene	mg/l	0.0500	0.0519	104	76 - 127	9272
Benzene	mg/l	0.0500	0.0527	105	76 - 127	1670
1,2-Dichloroethane	mg/l	0.0500	0.0486	97	72 - 129	8029
1,2-Dichloroethane	mg/l	0.0500	0.0493	99	72 - 129	7959
1,2-Dichloroethane	mg/l	0.0500	0.0515	103	72 - 129	7965
1,2-Dichloroethane	mg/l	0.0500	0.0492	98	72 - 129	9270
1,2-Dichloroethane	mg/l	0.0500	0.0525	105	72 - 129	1670
Ethylbenzene	mg/l	0.0500	0.0490	98	80 - 124	8029
Ethylbenzene	mg/l	0.0500	0.0506	101	80 - 124	7959
Ethylbenzene	mg/l	0.0500	0.0495	99	80 - 124	7965
Ethylbenzene	mg/l	0.0500	0.0476	95	80 - 124	8433
Ethylbenzene	mg/l	0.0500	0.0510	102	80 - 124	9270
Ethylbenzene	mg/l	0.0500	0.0502	100	80 - 124	1670
Naphthalene	mg/l	0.0500	0.0475	95	61 - 143	8029

Project QC continued . . .

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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Naphthalene	mg/l	0.0500	0.0511	102	61 - 143	7959
Naphthalene	mg/l	0.0500	0.0521	104	61 - 143	7965
Naphthalene	mg/l	0.0500	0.0488	98	61 - 143	8433
Naphthalene	mg/l	0.0500	0.0498	100	61 - 143	9270
Naphthalene	mg/l	0.0500	0.0468	94	61 - 143	1670
Toluene	mg/l	0.0500	0.0486	97	79 - 124	8029
Toluene	mg/l	0.0500	0.0465	93	79 - 124	7959
Toluene	mg/l	0.0500	0.0463	93	79 - 124	7965
Toluene	mg/l	0.0500	0.0483	97	79 - 124	8439
Toluene	mg/l	0.0500	0.0470	94	79 - 124	9270
Toluene	mg/l	0.0500	0.0470	94	79 - 124	9272
Toluene	mg/l	0.0500	0.0463	93	79 - 124	1670
Xylenes (Total)	mg/l	0.150	0.149	99	80 - 125	8029
Xylenes (Total)	mg/l	0.150	0.151	101	80 - 125	7959
Xylenes (Total)	mg/l	0.150	0.149	99	80 - 125	7965
Xylenes (Total)	mg/l	0.150	0.142	95	80 - 125	8433
Xylenes (Total)	mg/l	0.150	0.152	101	80 - 125	9270
Xylenes (Total)	mg/l	0.150	0.150	100	80 - 125	1670
Ethanol	mg/L	5.00	5.31	106	40 - 163	8029
Ethanol	mg/L	5.00	4.94	99	40 - 163	7959
Ethanol	mg/L	5.00	5.03	101	40 - 163	7965
Ethanol	mg/L	5.00	5.02	100	40 - 163	9270
Ethanol	mg/L	5.00	5.00	100	40 - 163	1670
Methyl-t-butyl ether	mg/l	0.0500	0.0478	96	66 - 136	8029
Methyl-t-butyl ether	mg/l	0.0500	0.0457	91	66 - 136	7959
Methyl-t-butyl ether	mg/l	0.0500	0.0568	114	66 - 136	7965
Methyl-t-butyl ether	mg/l	0.0500	0.0459	92	66 - 136	8433
Methyl-t-butyl ether	mg/l	0.0500	0.0490	98	66 - 136	9270
Methyl-t-butyl ether	mg/l	0.0500	0.0490	98	66 - 136	9272
Methyl-t-butyl ether	mg/l	0.0500	0.0539	108	66 - 136	1670
t-Amyl Alcohol	mg/L	0.500	0.473	95	37 - 150	8029

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
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Laboratory Receipt Date: 4/22/05

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
t-Amyl Alcohol	mg/L	0.500	0.551	110	37 - 150	7959
t-Amyl Alcohol	mg/L	0.500	0.667	133	37 - 150	7965
t-Amyl Alcohol	mg/L	0.500	0.444	89	37 - 150	8433
t-Amyl Alcohol	mg/L	0.500	0.555	111	37 - 150	9270
t-Amyl Alcohol	mg/L	0.500	0.708	142	37 - 150	9287
t-Amyl Alcohol	mg/L	0.500	0.627	125	37 - 150	1670
t-Butyl Formate	mg/L	0.500	0.415	83	29 - 143	8029
t-Butyl Formate	mg/L	0.500	0.169	34	29 - 143	7959
t-Butyl Formate	mg/L	0.500	0.385	77	29 - 143	7965
t-Butyl Formate	mg/L	0.500	0.255	51	29 - 143	9270
t-Butyl Formate	mg/L	0.500	0.367	73	29 - 143	1670
Ethyl-t-butyl alcohol	mg/L	0.500	0.210	42	34 - 154	8029
Ethyl-t-butyl alcohol	mg/L	0.500	0.515	103	34 - 154	7959
Ethyl-t-butyl alcohol	mg/L	0.500	0.558	112	34 - 154	7965
Ethyl-t-butyl alcohol	mg/L	0.500	0.547	109	34 - 154	9270
Ethyl-t-butyl alcohol	mg/L	0.500	0.562	112	34 - 154	1670
Diisopropyl ether	mg/l	0.0500	0.0481	96	79 - 130	8029
Diisopropyl ether	mg/l	0.0500	0.0516	103	79 - 130	7959
Diisopropyl ether	mg/l	0.0500	0.0536	107	79 - 130	7965
Diisopropyl ether	mg/l	0.0500	0.0473	95	79 - 130	8433
Diisopropyl ether	mg/l	0.0500	0.0522	104	79 - 130	9270
Diisopropyl ether	mg/l	0.0500	0.0552	110	79 - 130	1670
Ethylene Dibromide	mg/l	0.00029	0.00029	100	70 - 133	6591
Ethylene Dibromide	mg/l	0.00029	0.00030	103	70 - 133	6593
Methane	mg/L	1.33	1.35	102	79 - 121	7554
VOA Surr 1,2-DCA-d4	% Rec			95	70 - 130	8029
VOA Surr 1,2-DCA-d4	% Rec			83	70 - 130	7959
VOA Surr 1,2-DCA-d4	% Rec			85	70 - 130	7965
VOA Surr 1,2-DCA-d4	% Rec			80	70 - 130	8433
VOA Surr 1,2-DCA-d4	% Rec			80	70 - 130	8439
VOA Surr 1,2-DCA-d4	% Rec			85	70 - 130	9270

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA Surr 1,2-DCA-d4	% Rec			85	70 - 130	9272
VOA Surr 1,2-DCA-d4	% Rec			84	70 - 130	9287
VOA Surr 1,2-DCA-d4	% Rec			86	70 - 130	1670
VOA Surr Toluene-d8	% Rec			100	78 - 121	8029
VOA Surr Toluene-d8	% Rec			86	78 - 121	7959
VOA Surr Toluene-d8	% Rec			87	78 - 121	7965
VOA Surr Toluene-d8	% Rec			101	78 - 121	8433
VOA Surr Toluene-d8	% Rec			101	78 - 121	8439
VOA Surr Toluene-d8	% Rec			88	78 - 121	9270
VOA Surr Toluene-d8	% Rec			88	78 - 121	9272
VOA Surr Toluene-d8	% Rec			87	78 - 121	9287
VOA Surr Toluene-d8	% Rec			87	78 - 121	1670
VOA Surr, 4-BFB	% Rec			98	78 - 126	8029
VOA Surr, 4-BFB	% Rec			102	78 - 126	7959
VOA Surr, 4-BFB	% Rec			102	78 - 126	7965
VOA Surr, 4-BFB	% Rec			97	78 - 126	8433
VOA Surr, 4-BFB	% Rec			97	78 - 126	8439
VOA Surr, 4-BFB	% Rec			101	78 - 126	9270
VOA Surr, 4-BFB	% Rec			101	78 - 126	9272
VOA Surr, 4-BFB	% Rec			101	78 - 126	9287
VOA Surr, 4-BFB	% Rec			101	78 - 126	1670
VOA Surr, DBFM	% Rec			100	79 - 122	8029
VOA Surr, DBFM	% Rec			89	79 - 122	7959
VOA Surr, DBFM	% Rec			89	79 - 122	7965
VOA Surr, DBFM	% Rec			98	79 - 122	8433
VOA Surr, DBFM	% Rec			98	79 - 122	8439
VOA Surr, DBFM	% Rec			89	79 - 122	9270
VOA Surr, DBFM	% Rec			89	79 - 122	9272
VOA Surr, DBFM	% Rec			90	79 - 122	9287
VOA Surr, DBFM	% Rec			89	79 - 122	1670

Project QC continued . . .

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METALS						
Iron, Dissolved	mg/l	1.00	1.06	106	80 - 120	7417
Lead	mg/l	0.0500	0.0480	96	80 - 120	7413
Lead	mg/l	0.0500	0.0490	98	80 - 120	7414
MISC PARAMETERS						
Nitrate-N as N	mg/l	6.00	6.11	102	90 - 110	6795
Sulfate	mg/l	15.0	14.7	98	90 - 110	6419

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd
Nitrate-N as N	mg/l	6.14	6.16	0.33	15.	6795	05-A56520

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Ethyl-t-butylether	< 0.0005	mg/l	8029	4/22/05	10:34
Ethyl-t-butylether	< 0.0005	mg/l	7959	4/23/05	7:35
Ethyl-t-butylether	< 0.0005	mg/l	7965	4/23/05	18:54
Ethyl-t-butylether	< 0.0005	mg/l	9270	4/24/05	15:14
Ethyl-t-butylether	< 0.0005	mg/l	1670	4/28/05	8:32
tert-amyl methyl ether	< 0.0005	mg/L	8029	4/22/05	10:34
tert-amyl methyl ether	< 0.0005	mg/L	7959	4/23/05	7:35
tert-amyl methyl ether	< 0.0005	mg/L	7965	4/23/05	18:54
tert-amyl methyl ether	< 0.0005	mg/L	9270	4/24/05	15:14
tert-amyl methyl ether	< 0.0005	mg/L	1670	4/28/05	8:32
Tertiary butyl alcohol	< 0.0063	mg/l	8029	4/22/05	10:34

Project QC continued . . .

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ANALYTICAL TESTING CORPORATION

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON

Laboratory Receipt Date: 4/22/05

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Tertiary butyl alcohol	< 0.0063	mg/l	7959	4/23/05	7:35
Tertiary butyl alcohol	< 0.0063	mg/l	7965	4/23/05	18:54
Tertiary butyl alcohol	< 0.0063	mg/l	9270	4/24/05	15:14
Tertiary butyl alcohol	< 0.0063	mg/l	1670	4/28/05	8:32
Benzene	< 0.0003	mg/l	8029	4/22/05	10:34
Benzene	< 0.0003	mg/l	7959	4/23/05	7:35
Benzene	< 0.0003	mg/l	7965	4/23/05	18:54
Benzene	< 0.0003	mg/l	8433	4/23/05	21:25
Benzene	< 0.0003	mg/l	8439	4/23/05	21:25
Benzene	< 0.0003	mg/l	9270	4/24/05	15:14
Benzene	< 0.0003	mg/l	9272	4/24/05	15:14
Benzene	< 0.0003	mg/l	1670	4/28/05	8:32
1,2-Dichloroethane	< 0.00040	mg/l	8029	4/22/05	10:34
1,2-Dichloroethane	< 0.00040	mg/l	7959	4/23/05	7:35
1,2-Dichloroethane	< 0.00040	mg/l	7965	4/23/05	18:54
1,2-Dichloroethane	< 0.00040	mg/l	9270	4/24/05	15:14
1,2-Dichloroethane	< 0.00040	mg/l	1670	4/28/05	8:32
Ethylbenzene	< 0.0002	mg/l	8029	4/22/05	10:34
Ethylbenzene	< 0.0002	mg/l	7959	4/23/05	7:35
Ethylbenzene	< 0.0002	mg/l	7965	4/23/05	18:54
Ethylbenzene	< 0.0002	mg/l	8433	4/23/05	21:25
Ethylbenzene	< 0.0002	mg/l	9270	4/24/05	15:14
Ethylbenzene	< 0.0002	mg/l	1670	4/28/05	8:32
Naphthalene	< 0.00120	mg/l	8029	4/22/05	10:34
Naphthalene	< 0.00120	mg/l	7959	4/23/05	7:35
Naphthalene	< 0.00120	mg/l	7965	4/23/05	18:54
Naphthalene	< 0.00120	mg/l	8433	4/23/05	21:25
Naphthalene	< 0.00120	mg/l	9270	4/24/05	15:14
Naphthalene	< 0.00120	mg/l	1670	4/28/05	8:32
Toluene	< 0.0002	mg/l	8029	4/22/05	10:34
Toluene	< 0.0002	mg/l	7959	4/23/05	7:35

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON

Laboratory Receipt Date: 4/22/05

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Toluene	< 0.0002	mg/l	7965	4/23/05	18:54
Toluene	< 0.0002	mg/l	8439	4/23/05	21:25
Toluene	< 0.0002	mg/l	9270	4/24/05	15:14
Toluene	< 0.0002	mg/l	9272	4/24/05	15:14
Toluene	< 0.0002	mg/l	1670	4/28/05	8:32
Xylenes (Total)	< 0.0006	mg/l	8029	4/22/05	10:34
Xylenes (Total)	< 0.0006	mg/l	7959	4/23/05	7:35
Xylenes (Total)	< 0.0006	mg/l	7965	4/23/05	18:54
Xylenes (Total)	< 0.0006	mg/l	8433	4/23/05	21:25
Xylenes (Total)	< 0.0006	mg/l	9270	4/24/05	15:14
Xylenes (Total)	< 0.0006	mg/l	1670	4/28/05	8:32
Ethanol	< 0.0503	mg/L	8029	4/22/05	10:34
Ethanol	< 0.0503	mg/L	7959	4/23/05	7:35
Ethanol	< 0.0503	mg/L	7965	4/23/05	18:54
Ethanol	< 0.0503	mg/L	9270	4/24/05	15:14
Ethanol	< 0.0503	mg/L	1670	4/28/05	8:32
Methyl-t-butyl ether	< 0.0002	mg/l	8029	4/22/05	10:34
Methyl-t-butyl ether	< 0.0002	mg/l	7959	4/23/05	7:35
Methyl-t-butyl ether	< 0.0002	mg/l	7965	4/23/05	18:54
Methyl-t-butyl ether	< 0.0002	mg/l	8433	4/23/05	21:25
Methyl-t-butyl ether	< 0.0002	mg/l	9270	4/24/05	15:14
Methyl-t-butyl ether	< 0.0002	mg/l	9272	4/24/05	15:14
Methyl-t-butyl ether	< 0.0002	mg/l	1670	4/28/05	8:32
t-Amyl Alcohol	< 0.0050	mg/L	8029	4/22/05	10:34
t-Amyl Alcohol	< 0.0050	mg/L	7959	4/23/05	7:35
t-Amyl Alcohol	< 0.0050	mg/L	7965	4/23/05	18:54
t-Amyl Alcohol	< 0.0050	mg/L	8433	4/23/05	21:25
t-Amyl Alcohol	< 0.0050	mg/L	9270	4/24/05	15:14
t-Amyl Alcohol	< 0.0050	mg/L	9287	4/25/05	13:54
t-Amyl Alcohol	< 0.0050	mg/L	1670	4/28/05	8:32
t-Butyl Formate	< 0.0050	mg/L	8029	4/22/05	10:34

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON

Laboratory Receipt Date: 4/22/05

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
t-Butyl Formate	< 0.0050	mg/L	7959	4/23/05	7:35
t-Butyl Formate	< 0.0050	mg/L	7965	4/23/05	18:54
t-Butyl Formate	< 0.0050	mg/L	9270	4/24/05	15:14
t-Butyl Formate	< 0.0050	mg/L	1670	4/28/05	8:32
Ethyl-t-butyl alcohol	< 0.0050	mg/L	8029	4/22/05	10:34
Ethyl-t-butyl alcohol	< 0.0050	mg/L	7959	4/23/05	7:35
Ethyl-t-butyl alcohol	< 0.0050	mg/L	7965	4/23/05	18:54
Ethyl-t-butyl alcohol	< 0.0050	mg/L	9270	4/24/05	15:14
Ethyl-t-butyl alcohol	< 0.0050	mg/L	1670	4/28/05	8:32
Diisopropyl ether	< 0.00030	mg/l	8029	4/22/05	10:34
Diisopropyl ether	< 0.00030	mg/l	7959	4/23/05	7:35
Diisopropyl ether	< 0.00030	mg/l	7965	4/23/05	18:54
Diisopropyl ether	< 0.00030	mg/l	8433	4/23/05	21:25
Diisopropyl ether	< 0.00030	mg/l	9270	4/24/05	15:14
Diisopropyl ether	< 0.00030	mg/l	1670	4/28/05	8:32
VOA Surr 1,2-DCA-d4	100.	% Rec	8029	4/22/05	10:34
VOA Surr 1,2-DCA-d4	86.	% Rec	7959	4/23/05	7:35
VOA Surr 1,2-DCA-d4	87.	% Rec	7965	4/23/05	18:54
VOA Surr 1,2-DCA-d4	83.	% Rec	8433	4/23/05	21:25
VOA Surr 1,2-DCA-d4	83.	% Rec	8439	4/23/05	21:25
VOA Surr 1,2-DCA-d4	90.	% Rec	9270	4/24/05	15:14
VOA Surr 1,2-DCA-d4	90.	% Rec	9272	4/24/05	15:14
VOA Surr 1,2-DCA-d4	87.	% Rec	9287	4/25/05	13:54
VOA Surr 1,2-DCA-d4	85.	% Rec	1670	4/28/05	8:32
VOA Surr Toluene-d8	100.	% Rec	8029	4/22/05	10:34
VOA Surr Toluene-d8	86.	% Rec	7959	4/23/05	7:35
VOA Surr Toluene-d8	86.	% Rec	7965	4/23/05	18:54
VOA Surr Toluene-d8	99.	% Rec	8433	4/23/05	21:25
VOA Surr Toluene-d8	99.	% Rec	8439	4/23/05	21:25
VOA Surr Toluene-d8	87.	% Rec	9270	4/24/05	15:14
VOA Surr Toluene-d8	87.	% Rec	9272	4/24/05	15:14

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON

Laboratory Receipt Date: 4/22/05

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
VOA Surr Toluene-d8	87.	% Rec	9287	4/25/05	13:54
VOA Surr Toluene-d8	85.	% Rec	1670	4/28/05	8:32
VOA Surr, 4-BFB	103.	% Rec	8029	4/22/05	10:34
VOA Surr, 4-BFB	107.	% Rec	7959	4/23/05	7:35
VOA Surr, 4-BFB	106.	% Rec	7965	4/23/05	18:54
VOA Surr, 4-BFB	99.	% Rec	8433	4/23/05	21:25
VOA Surr, 4-BFB	99.	% Rec	8439	4/23/05	21:25
VOA Surr, 4-BFB	107.	% Rec	9270	4/24/05	15:14
VOA Surr, 4-BFB	107.	% Rec	9272	4/24/05	15:14
VOA Surr, 4-BFB	107.	% Rec	9287	4/25/05	13:54
VOA Surr, 4-BFB	108.	% Rec	1670	4/28/05	8:32
VOA Surr, DBFM	102.	% Rec	8029	4/22/05	10:34
VOA Surr, DBFM	88.	% Rec	7959	4/23/05	7:35
VOA Surr, DBFM	88.	% Rec	7965	4/23/05	18:54
VOA Surr, DBFM	98.	% Rec	8433	4/23/05	21:25
VOA Surr, DBFM	98.	% Rec	8439	4/23/05	21:25
VOA Surr, DBFM	88.	% Rec	9270	4/24/05	15:14
VOA Surr, DBFM	88.	% Rec	9272	4/24/05	15:14
VOA Surr, DBFM	86.	% Rec	9287	4/25/05	13:54
VOA Surr, DBFM	89.	% Rec	1670	4/28/05	8:32
METALS					
Iron, Dissolved	< 0.0300	mg/l	7417	4/26/05	10:52
Lead	< 0.0024	mg/l	7413	4/25/05	12:57
Lead	< 0.0024	mg/l	7414	4/25/05	20:05
MISC PARAMETERS					
Nitrate-N as N	< 0.100	mg/l	6795	4/22/05	16:47
Sulfate	< 1.00	mg/l	6419	4/22/05	15:18

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Page: 14
Laboratory Receipt Date: 4/22/05

Ethylene Dibromide	< 0.00002	mg/l	6591	4/28/05	18:28
Ethylene Dibromide	< 0.00002	mg/l	6593	4/29/05	2:54
Methane	< 0.026	mg/L	7554	4/27/05	12:57

= Value outside Laboratory historical or method prescribed QC limits.

416442

TestAmerica
ANALYTICAL TESTING CORPORATION

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Consultech Env. Client #: 2628
Address: 1800 Macleod Dr. Suite F
City/State/Zip Code: Lawrenceville, Ga. 30043
Project Manager: Jim Wilson
Telephone Number: 678-377-0050 Fax: 678 377 0041
Sampler Name: (Print Name) Drew Miller
Sampler Signature: Drew Miller

Project Name: Handy Pantry #65
Project #: C-04-12-08
Site/Location ID: Columbia State: S.C.
Report To: Jim Wilson
Invoice To:
Quote #: PO#:

TAT
___ Standard
100% Rush (surcharges may apply)
Date Needed: 100% rush
Fax Results: Y N

Matrix: Sl - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other
Preservation & # of Containers
Analyze For: Blex MTBE Naph 8260B

QC Deliverables
___ None
___ Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: _____

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Sl - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other	HNO3	HCl	NaOH	H2SO4	Methanol	None	Other (Specify)	Blex MTBE Naph 8260B	REMARKS
MW 61	5/17	1300	G		GW		3							05A 70618
MW 62		1315												19
MW 63		1330												20
MW 64		1345												21
MW 65		1400												22
MW 66		1415												23
MW 67		1430												24
~~MW~~ DW9		1445												70625

Special Instructions:

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Drew Miller	5/17	5:15			
				5805	0800

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 2.4c
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

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5/19/05

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: HANDY PANTRY #65
Project Number: C-04-12-08.
Laboratory Project Number: 416442.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Sample Identification	Lab Number	Collection Date
MW 61	05-A70618	5/17/05
MW 62	05-A70619	5/17/05
MW 63	05-A70620	5/17/05
MW 64	05-A70621	5/17/05
MW 65	05-A70622	5/17/05
MW 66	05-A70623	5/17/05
MW 67	05-A70624	5/17/05
DW 9	05-A70625	5/17/05

A2LA certification number 0453.07 for analysis of wastewater and solid/hazardous waste.
NELAC/Florida certification number E87358 for analysis of environmental water, soil/hazardous waste, and drinking water effective 07/01/99-06/30/05.

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: _____ Report Date: 5/19/05

Johnny A. Mitchell, Laboratory Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Senior Project Manager
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Senior Project Manager
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Senior Project Manag

Laboratory Certification Number: 84009

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-08
Project Name: HANDY PANTRY #65
Sampler: DREW MILLER

Lab Number: 05-A70618
Sample ID: MW 61
Sample Type: Water
Site ID:

Date Collected: 5/17/05
Time Collected: 13:00
Date Received: 5/18/05
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	5/18/05	14:00	B.Herford	8260B	1088
Toluene	ND	ug/l	1.0	1.0	5/18/05	14:00	B.Herford	8260B	1088
Ethylbenzene	ND	ug/l	1.0	1.0	5/18/05	14:00	B.Herford	8260B	1088
Xylenes (Total)	ND	ug/l	1.0	1.0	5/18/05	14:00	B.Herford	8260B	1088
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	5/18/05	14:00	B.Herford	8260B	1088
Naphthalene	ND	ug/l	5.00	1.0	5/18/05	14:00	B.Herford	8260B	1088

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	99.	70. - 130.
VOA Surr Toluene-d8	97.	78. - 121.
VOA Surr, 4-BFB	118.	78. - 126.
VOA Surr, DBFM	99.	79. - 122.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-08
Project Name: HANDY PANTRY #65
Sampler: DREW MILLER

Lab Number: 05-A70619
Sample ID: MW 62
Sample Type: Water
Site ID:

Date Collected: 5/17/05
Time Collected: 13:15
Date Received: 5/18/05
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	5/18/05	14:32	B.Herford	8260B	1088
Toluene	ND	ug/l	1.0	1.0	5/18/05	14:32	B.Herford	8260B	1088
Ethylbenzene	ND	ug/l	1.0	1.0	5/18/05	14:32	B.Herford	8260B	1088
Xylenes (Total)	ND	ug/l	1.0	1.0	5/18/05	14:32	B.Herford	8260B	1088
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	5/18/05	14:32	B.Herford	8260B	1088
Naphthalene	ND	ug/l	5.00	1.0	5/18/05	14:32	B.Herford	8260B	1088

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	101.	70. - 130.
VOA Surr Toluene-d8	97.	78. - 121.
VOA Surr, 4-BFB	106.	78. - 126.
VOA Surr, DBFM	99.	79. - 122.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-08
Project Name: HANDY PANTRY #65
Sampler: DREW MILLER

Lab Number: 05-A70620
Sample ID: MW 63
Sample Type: Water
Site ID:

Date Collected: 5/17/05
Time Collected: 13:30
Date Received: 5/18/05
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	5/18/05	15:04	B.Herford	8260B	1088
Toluene	ND	ug/l	1.0	1.0	5/18/05	15:04	B.Herford	8260B	1088
Ethylbenzene	ND	ug/l	1.0	1.0	5/18/05	15:04	B.Herford	8260B	1088
Xylenes (Total)	ND	ug/l	1.0	1.0	5/18/05	15:04	B.Herford	8260B	1088
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	5/18/05	15:04	B.Herford	8260B	1088
Naphthalene	ND	ug/l	5.00	1.0	5/18/05	15:04	B.Herford	8260B	1088

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	101.	70. - 130.
VOA Surr Toluene-d8	96.	78. - 121.
VOA Surr, 4-BFB	108.	78. - 126.
VOA Surr, DBFM	99.	79. - 122.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-08
Project Name: HANDY PANTRY #65
Sampler: DREW MILLER

Lab Number: 05-A70621
Sample ID: MW 64
Sample Type: Water
Site ID:

Date Collected: 5/17/05
Time Collected: 13:45
Date Received: 5/18/05
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	2460	ug/l	20.0	20.0	5/19/05	11:32	C. Wani	8260B	1180
Toluene	76.6	ug/l	1.0	1.0	5/18/05	15:36	B.Herford	8260B	1088
Ethylbenzene	382.	ug/l	20.0	20.0	5/19/05	11:32	C. Wani	8260B	1180
Xylenes (Total)	48.8	ug/l	1.0	1.0	5/18/05	15:36	B.Herford	8260B	1088
Methyl-t-butyl ether	444.	ug/l	20.0	20.0	5/19/05	11:32	C. Wani	8260B	1180
Naphthalene	151.	ug/l	5.00	1.0	5/18/05	15:36	B.Herford	8260B	1088

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	103.	70. - 130.
VOA Surr Toluene-d8	95.	78. - 121.
VOA Surr, 4-BFB	109.	78. - 126.
VOA Surr, DBFM	96.	79. - 122.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-08
Project Name: HANDY PANTRY #65
Sampler: DREW MILLER

Lab Number: 05-A70622
Sample ID: MW 65
Sample Type: Water
Site ID:

Date Collected: 5/17/05
Time Collected: 14:00
Date Received: 5/18/05
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	2860	ug/l	50.0	50.0	5/19/05	10:10	C. Wani	8260B	1494
Toluene	2610	ug/l	50.0	50.0	5/19/05	10:10	C. Wani	8260B	1494
Ethylbenzene	1760	ug/l	50.0	50.0	5/19/05	10:10	C. Wani	8260B	1494
Xylenes (Total)	1720	ug/l	50.0	50.0	5/19/05	10:10	C. Wani	8260B	1494
Methyl-t-butyl ether	43.7	ug/l	1.0	1.0	5/19/05	9:43	C. Wani	8260B	1180
Naphthalene	745.	ug/l	250.	50.0	5/19/05	10:10	C. Wani	8260B	1494

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	101.	70. - 130.
VOA Surr Toluene-d8	96.	78. - 121.
VOA Surr, 4-BFB	96.	78. - 126.
VOA Surr, DBFM	95.	79. - 122.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-08
Project Name: HANDY PANTRY #65
Sampler: DREW MILLER

Lab Number: 05-A70623
Sample ID: MW 66
Sample Type: Water
Site ID:

Date Collected: 5/17/05
Time Collected: 14:15
Date Received: 5/18/05
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	3.8	ug/l	1.0	1.0	5/19/05	10:37	C. Wani	8260B	1180
Toluene	2.3	ug/l	1.0	1.0	5/19/05	10:37	C. Wani	8260B	1180
Ethylbenzene	5.2	ug/l	1.0	1.0	5/19/05	10:37	C. Wani	8260B	1180
Xylenes (Total)	318.	ug/l	10.0	10.0	5/19/05	11:05	C. Wani	8260B	1494
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	5/18/05	16:40	B.Herford	8260B	1088
Naphthalene	80.1	ug/l	5.00	1.0	5/19/05	10:37	C. Wani	8260B	1180

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	103.	70. - 130.
VOA Surr Toluene-d8	95.	78. - 121.
VOA Surr, 4-BFB	108.	78. - 126.
VOA Surr, DBFM	96.	79. - 122.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-08
Project Name: HANDY PANTRY #65
Sampler: DREW MILLER

Lab Number: 05-A70624
Sample ID: MW 67
Sample Type: Water
Site ID:

Date Collected: 5/17/05
Time Collected: 14:30
Date Received: 5/18/05
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	5/19/05	9:16	C. Wani	8260B	1180
Toluene	ND	ug/l	1.0	1.0	5/19/05	9:16	C. Wani	8260B	1180
Ethylbenzene	ND	ug/l	1.0	1.0	5/19/05	9:16	C. Wani	8260B	1180
Xylenes (Total)	2.6	ug/l	1.0	1.0	5/19/05	9:16	C. Wani	8260B	1180
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	5/18/05	17:12	B.Herford	8260B	1088
Naphthalene	ND	ug/l	5.00	1.0	5/19/05	9:16	C. Wani	8260B	1180

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	104.	70. - 130.
VOA Surr Toluene-d8	95.	78. - 121.
VOA Surr, 4-BFB	99.	78. - 126.
VOA Surr, DBFM	97.	79. - 122.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-08
Project Name: HANDY PANTRY #65
Sampler: DREW MILLER

Lab Number: 05-A70625
Sample ID: DW 9
Sample Type: Water
Site ID:

Date Collected: 5/17/05
Time Collected: 14:45
Date Received: 5/18/05
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	6.8	ug/l	1.0	1.0	5/18/05	17:44	B.Herford	8260B	1088
Toluene	1.5	ug/l	1.0	1.0	5/18/05	17:44	B.Herford	8260B	1088
Ethylbenzene	ND	ug/l	1.0	1.0	5/18/05	17:44	B.Herford	8260B	1088
Xylenes (Total)	ND	ug/l	1.0	1.0	5/18/05	17:44	B.Herford	8260B	1088
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	5/18/05	17:44	B.Herford	8260B	1088
Naphthalene	ND	ug/l	5.00	1.0	5/18/05	17:44	B.Herford	8260B	1088

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	99.	70. - 130.
VOA Surr Toluene-d8	95.	78. - 121.
VOA Surr, 4-BFB	105.	78. - 126.
VOA Surr, DBFM	98.	79. - 122.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-08
Project Name: HANDY PANTRY #65
Page: 1
Laboratory Receipt Date: 5/18/05

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA PARAMETERS								
Benzene	mg/l	< 0.0010	0.0716	0.0500	143	62 - 146	1088	68361
Benzene	mg/l	0.0395	0.114	0.0500	149#	62 - 146	1180	67952
Toluene	mg/l	< 0.0010	0.0856	0.0500	171#	68 - 141	1088	68361
Toluene	mg/l	< 0.0010	0.0514	0.0500	103	68 - 141	1180	67952
VOA Surr 1,2-DCA-d4	% Rec				89	70 - 130	1088	
VOA Surr 1,2-DCA-d4	% Rec				109	70 - 130	1180	
VOA Surr Toluene-d8	% Rec				95	78 - 121	1088	
VOA Surr Toluene-d8	% Rec				93	78 - 121	1180	
VOA Surr, 4-BFB	% Rec				98	78 - 126	1088	
VOA Surr, 4-BFB	% Rec				91	78 - 126	1180	
VOA Surr, DBFM	% Rec				97	79 - 122	1088	
VOA Surr, DBFM	% Rec				103	79 - 122	1180	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/l	0.0716	0.0549	26.40#	25.	1088
Benzene	mg/l	0.114	0.146	24.62	25.	1180
Toluene	mg/l	0.0856	0.0576	39.11#	29.	1088
Toluene	mg/l	0.0514	0.0491	4.58	29.	1180

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-08
Project Name: HANDY PANTRY #65

Laboratory Receipt Date: 5/18/05

VOA Surr 1,2-DCA-d4	% Rec	88.	1088
VOA Surr 1,2-DCA-d4	% Rec	112.	1180
VOA Surr Toluene-d8	% Rec	94.	1088
VOA Surr Toluene-d8	% Rec	88.	1180
VOA Surr, 4-BFB	% Rec	98.	1088
VOA Surr, 4-BFB	% Rec	91.	1180
VOA Surr, DBFM	% Rec	98.	1088
VOA Surr, DBFM	% Rec	105.	1180

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/l	0.0500	0.0489	98	76 - 127	1088
Benzene	mg/l	0.0500	0.0522	104	76 - 127	1180
Benzene	mg/l	0.0500	0.0522	104	76 - 127	1494
Ethylbenzene	mg/l	0.0500	0.0492	98	80 - 124	1088
Ethylbenzene	mg/l	0.0500	0.0508	102	80 - 124	1180
Ethylbenzene	mg/l	0.0500	0.0508	102	80 - 124	1494
Naphthalene	mg/l	0.0500	0.0545	109	61 - 143	1088
Naphthalene	mg/l	0.0500	0.0503	101	61 - 143	1180
Naphthalene	mg/l	0.0500	0.0503	101	61 - 143	1494
Toluene	mg/l	0.0500	0.0473	95	79 - 124	1088
Toluene	mg/l	0.0500	0.0490	98	79 - 124	1180
Toluene	mg/l	0.0500	0.0490	98	79 - 124	1494
Xylenes (Total)	mg/l	0.150	0.148	99	80 - 125	1088
Xylenes (Total)	mg/l	0.150	0.149	99	80 - 125	1180
Xylenes (Total)	mg/l	0.150	0.149	99	80 - 125	1494
Methyl-t-butyl ether	mg/l	0.0500	0.0510	102	66 - 136	1088
Methyl-t-butyl ether	mg/l	0.0500	0.0528	106	66 - 136	1180

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-08
Project Name: HANDY PANTRY #65
Page: 3
Laboratory Receipt Date: 5/18/05

VOA Surr 1,2-DCA-d4	% Rec	94	70 - 130	1088
VOA Surr 1,2-DCA-d4	% Rec	102	70 - 130	1180
VOA Surr 1,2-DCA-d4	% Rec	102	70 - 130	1494
VOA Surr Toluene-d8	% Rec	97	78 - 121	1088
VOA Surr Toluene-d8	% Rec	94	78 - 121	1180
VOA Surr Toluene-d8	% Rec	94	78 - 121	1494
VOA Surr, 4-BFB	% Rec	98	78 - 126	1088
VOA Surr, 4-BFB	% Rec	91	78 - 126	1180
VOA Surr, 4-BFB	% Rec	91	78 - 126	1494
VOA Surr, DBFM	% Rec	100	79 - 122	1088
VOA Surr, DBFM	% Rec	99	79 - 122	1180
VOA Surr, DBFM	% Rec	99	79 - 122	1494

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Benzene	< 0.0003	mg/l	1088	5/18/05	12:49
Benzene	< 0.0003	mg/l	1180	5/19/05	7:53
Benzene	< 0.0003	mg/l	1494	5/19/05	7:53
Ethylbenzene	< 0.0002	mg/l	1088	5/18/05	12:49
Ethylbenzene	< 0.0002	mg/l	1180	5/19/05	7:53
Ethylbenzene	< 0.0002	mg/l	1494	5/19/05	7:53
Naphthalene	< 0.00120	mg/l	1088	5/18/05	12:49

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-08
Project Name: HANDY PANTRY #65
Page: 4
Laboratory Receipt Date: 5/18/05

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Naphthalene	< 0.00120	mg/l	1180	5/19/05	7:53
Naphthalene	< 0.00120	mg/l	1494	5/19/05	7:53
Toluene	< 0.0002	mg/l	1088	5/18/05	12:49
Toluene	< 0.0002	mg/l	1180	5/19/05	7:53
Toluene	< 0.0002	mg/l	1494	5/19/05	7:53
Xylenes (Total)	< 0.0006	mg/l	1088	5/18/05	12:49
Xylenes (Total)	0.0007	mg/l	1180	5/19/05	7:53
Xylenes (Total)	0.0007	mg/l	1494	5/19/05	7:53
Methyl-t-butyl ether	< 0.0002	mg/l	1088	5/18/05	12:49
Methyl-t-butyl ether	< 0.0002	mg/l	1180	5/19/05	7:53
VOA Surr 1,2-DCA-d4	98.	% Rec	1088	5/18/05	12:49
VOA Surr 1,2-DCA-d4	101.	% Rec	1180	5/19/05	7:53
VOA Surr 1,2-DCA-d4	101.	% Rec	1494	5/19/05	7:53
VOA Surr Toluene-d8	96.	% Rec	1088	5/18/05	12:49
VOA Surr Toluene-d8	94.	% Rec	1180	5/19/05	7:53
VOA Surr Toluene-d8	94.	% Rec	1494	5/19/05	7:53
VOA Surr, 4-BFB	103.	% Rec	1088	5/18/05	12:49
VOA Surr, 4-BFB	97.	% Rec	1180	5/19/05	7:53
VOA Surr, 4-BFB	97.	% Rec	1494	5/19/05	7:53
VOA Surr, DBFM	98.	% Rec	1088	5/18/05	12:49
VOA Surr, DBFM	96.	% Rec	1180	5/19/05	7:53
VOA Surr, DBFM	96.	% Rec	1494	5/19/05	7:53

= Value outside Laboratory historical or method prescribed QC limits.

)d of Report for Project 416442

418577

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To assist us in using the proper analytical methods,
is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Coastech Env. Client #: 2628
Address: 1800 Mackrod Dr. Suite F.
City/State/Zip Code: Lawrenceville Ga., 30043
Project Manager: Jim Wilson
Telephone Number: 678 377 0400 Fax: 678 377 0051
Sampler Name: (Print Name) Drew Miller
Sampler Signature: Drew Miller

Project Name: Hardy Pantry #65
Project #: C-04-12-0058
Site/Location ID: Columbia State: S.C.
Report To: Jim Wilson
Invoice To:
Quote #: PO#:

TAT
___ Standard
Rush (surcharges may apply)
Date Needed: 100 % rush
Fax Results: Y N

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: ETEX MTBE NAPH	QC Deliverables	REMARKS
MW 68	5/18	900	G		GW		3							None	OSA 7/1/26
MW 69	↓	1115	↓		↓		3							Level 2 (Batch QC)	27
MW 70	↓	1250	↓		↓		3						↓	Level 3	7/1/28
														Level 4	
														Other:	

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 1.1 c
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

	Date	Time		Date	Time
Relinquished By: Drew Miller	5/18	6:30	Received By:		
Relinquished By:			Received By:		
Relinquished By:			Received By:	5.19.05	0730

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5/20/05

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: HANDY PANTRY #65
Project Number: C-04-12-008.
Laboratory Project Number: 416577.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Sample Identification	Lab Number	Collection Date
MW 68	05-A71126	5/18/05
MW 69	05-A71127	5/18/05
MW 70	05-A71128	5/18/05

A2LA certification number 0453.07 for analysis of wastewater and solid/hazardous waste.
NELAC/Florida certification number E87358 for analysis of environmental water, soil/hazardous waste, and drinking water effective 07/01/99-06/30/05.

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
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Report Approved By: _____ Report Date: 5/20/05

Johnny A. Mitchell, Laboratory Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Senior Project Manager
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Senior Project Manager
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Senior Project Manag

Laboratory Certification Number: 84009

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: DREW MILLER

Lab Number: 05-A71126
Sample ID: MW 68
Sample Type: Water
Site ID:

Date Collected: 5/18/05
Time Collected: 14:00
Date Received: 5/19/05
Time Received: 7:50
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	6.6	ug/l	1.0	1.0	5/20/05	15:51	M.Himelick	8260B	2931
Toluene	ND	ug/l	1.0	1.0	5/20/05	15:51	M.Himelick	8260B	2931
Ethylbenzene	ND	ug/l	1.0	1.0	5/20/05	15:51	M.Himelick	8260B	2931
Xylenes (Total)	ND	ug/l	1.0	1.0	5/20/05	15:51	M.Himelick	8260B	2931
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	5/20/05	15:51	M.Himelick	8260B	2931
Naphthalene	ND	ug/l	5.00	1.0	5/20/05	15:51	M.Himelick	8260B	2931

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	102.	70. - 130.
VOA Surr Toluene-d8	98.	78. - 121.
VOA Surr, 4-BFB	88.	78. - 126.
VOA Surr, DBFM	99.	79. - 122.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: DREW MILLER

Lab Number: 05-A71127
Sample ID: MW 69
Sample Type: Water
Site ID:

Date Collected: 5/18/05
Time Collected: 14:15
Date Received: 5/19/05
Time Received: 7:50
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	5/20/05	16:16	M.Himelick	8260B	2931
Toluene	ND	ug/l	1.0	1.0	5/20/05	16:16	M.Himelick	8260B	2931
Ethylbenzene	ND	ug/l	1.0	1.0	5/20/05	16:16	M.Himelick	8260B	2931
Xylenes (Total)	ND	ug/l	1.0	1.0	5/20/05	16:16	M.Himelick	8260B	2931
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	5/20/05	16:16	M.Himelick	8260B	2931
Naphthalene	ND	ug/l	5.00	1.0	5/20/05	16:16	M.Himelick	8260B	2931

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	103.	70. - 130.
VOA Surr Toluene-d8	98.	78. - 121.
VOA Surr, 4-BFB	88.	78. - 126.
VOA Surr, DBFM	98.	79. - 122.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-008
Project Name: HANDY PANTRY #65
Sampler: DREW MILLER

Lab Number: 05-A71128
Sample ID: MW 70
Sample Type: Water
Site ID:

Date Collected: 5/18/05
Time Collected: 14:30
Date Received: 5/19/05
Time Received: 7:50
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	ND	ug/l	1.0	1.0	5/20/05	16:40	M.Himelick	8260B	2931
Toluene	ND	ug/l	1.0	1.0	5/20/05	16:40	M.Himelick	8260B	2931
Ethylbenzene	ND	ug/l	1.0	1.0	5/20/05	16:40	M.Himelick	8260B	2931
Xylenes (Total)	ND	ug/l	1.0	1.0	5/20/05	16:40	M.Himelick	8260B	2931
Methyl-t-butyl ether	ND	ug/l	1.0	1.0	5/20/05	16:40	M.Himelick	8260B	2931
Naphthalene	ND	ug/l	5.00	1.0	5/20/05	16:40	M.Himelick	8260B	2931

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	102.	70. - 130.
VOA Surr Toluene-d8	98.	78. - 121.
VOA Surr, 4-BFB	87.	78. - 126.
VOA Surr, DBFM	97.	79. - 122.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
ANALYTICAL TESTING CORPORATION

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800-765-0980 • 615-726-3404 Fax

PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-008
Project Name: HANDY PANTRY #65
Page: 1
Laboratory Receipt Date: 5/19/05

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA PARAMETERS								
Benzene	mg/l	0.104	0.186	0.0500	164#	62 - 146	2931	69037
Toluene	mg/l	0.0040	0.0609	0.0500	114	68 - 141	2931	69037
VOA Surr 1,2-DCA-d4	% Rec				100	70 - 130	2931	
VOA Surr Toluene-d8	% Rec				102	78 - 121	2931	
VOA Surr, 4-BFB	% Rec				88	78 - 126	2931	
VOA Surr, DBFM	% Rec				103	79 - 122	2931	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/l	0.186	0.185	0.54	25.	2931
Toluene	mg/l	0.0609	0.0620	1.79	29.	2931
VOA Surr 1,2-DCA-d4	% Rec		100.			2931
VOA Surr Toluene-d8	% Rec		106.			2931
VOA Surr, 4-BFB	% Rec		90.			2931
VOA Surr, DBFM	% Rec		101.			2931

Project QC continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-008
Project Name: HANDY PANTRY #65

Laboratory Receipt Date: 5/19/05

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/l	0.0500	0.0474	95	76 - 127	2931
Ethylbenzene	mg/l	0.0500	0.0481	96	80 - 124	2931
Naphthalene	mg/l	0.0500	0.0584	117	61 - 143	2931
Toluene	mg/l	0.0500	0.0490	98	79 - 124	2931
Xylenes (Total)	mg/l	0.150	0.152	101	80 - 125	2931
Methyl-t-butyl ether	mg/l	0.0500	0.0546	109	66 - 136	2931
VOA Surr 1,2-DCA-d4	% Rec			97	70 - 130	2931
VOA Surr Toluene-d8	% Rec			104	78 - 121	2931
VOA Surr, 4-BFB	% Rec			88	78 - 126	2931
VOA Surr, DBFM	% Rec			100	79 - 122	2931

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed

Project QC continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

PROJECT QUALITY CONTROL DATA
Project Number: C-04-12-008
Project Name: HANDY PANTRY #65
Page: 3
Laboratory Receipt Date: 5/19/05

VOA PARAMETERS					
Benzene	< 0.0003	mg/l	2931	5/20/05	15:27
Ethylbenzene	< 0.0002	mg/l	2931	5/20/05	15:27
Naphthalene	< 0.00120	mg/l	2931	5/20/05	15:27
Toluene	< 0.0002	mg/l	2931	5/20/05	15:27
Xylenes (Total)	< 0.0006	mg/l	2931	5/20/05	15:27
Methyl-t-butyl ether	< 0.0002	mg/l	2931	5/20/05	15:27
VOA Surr 1,2-DCA-d4	104.	% Rec	2931	5/20/05	15:27
VOA Surr Toluene-d8	97.	% Rec	2931	5/20/05	15:27
VOA Surr, 4-BFB	89.	% Rec	2931	5/20/05	15:27
VOA Surr, DBFM	100.	% Rec	2931	5/20/05	15:27

= Value outside Laboratory historical or method prescribed QC limits.

APPENDIX 6
Soil, Water, and LPH Waste Disposal Manifest

CONSULTECH ENVIRONMENTAL, INC.

May 23, 2005

Mr. Art Shrader
Assessment and Corrective Action Division
Underground storage Tank Program
South Carolina DHEC
2600 Bull Street
Columbia, South Carolina 29201

RE: Disposal manifests for soil and water encountered during Tier II work
Former Handy Pantry #65, 2367 Taylor Street
UST Permit #07584 & #18389, CA 23764
Former Clouds Chevron, 1600 Two Notch Road
UST Permit #07777 & #12352, CA 23767
Columbia, Richland County, South Carolina

Dear Mr. Shrader,

This letter serves as certification that all water and soil encountered during our Tier II work was handled in a manner that complies with all conditions established by DHEC for treatment of small amounts of petroleum hydrocarbon contaminated soils and groundwater.

Source:
Soil and groundwater obtained as a result of soil sampling, well development and groundwater sampling.
Conditions:

- No free product was disposed of separately from the drums of water.
- Analytical results show an average concentration of less than 1600 ppb Benzene and less than 6,000 ppb total BTEX.
- The water obtained was containerized on site, for a period of less than 30 days, prior to treatment by the activated carbon canisters.
- Records of carbon canister usage are maintained by Consultech.
- The carbon canisters have an expected life of 5,000 gallons before replacement is required.
- Recommendations and conditions issued by the canister manufacturer and SCDHEC have been followed.
- All water obtained was treated on site using an up-flow treatment drum consisting of 90 lbs. of activated carbon. Manufacturer's suggested treatment life is 5,000 gallons of water.

Specific site conditions of referenced site:

- A total of fourteen 55-gallon drums of water were treated on April 21, and May 19, 2005 at the referenced site.
- Sixty-six 55-gallon drums of soil were removed from the referenced site and disposed of at Lee County Landfill in Bishopville, SC.
- Twenty-four 55-gallon drums of soil were also removed from the referenced site and disposed of at Eagle Point Landfill in Ball Ground, GA. See attached manifests.

Should you have any questions, please contact me at 678-377-0400.

Sincerely,
Consultech Environmental, Inc.

James R. Wilson, P.G.
Senior Project Manager

1800 MacLeod Drive, Suite F * Lawrenceville, GA 30043-5376
678 377-0400 * FAX 678 377-0051

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

Various SC DHEC UST Sites
Various
South Carolina

4. Generator's Phone (803-896-6584)

905

5. Transporter 1 Company Name | 6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number

Lee County Landfill

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
Petroleum Contaminated Soil				
a. Non-Hazardous, Special Waste	001	CM	000 Y	
b. 8.91 tons	45	DRUMS		
c.				
d.				

G. Additional Descriptions for Materials Listed Above

LEE COUNTY LANDFILL APPROVAL :767Y29958-PETROLEUM CONTAMINATED SOIL
AWIU EXPIRATION DATE: NOVEMBER 20, 2005

ANDERSON REGIONAL LANDFILL APPROVAL :771Y32071
AWIU EXP: MARCH 7,2006

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Former Clarks Chevron C-009 UST#07777
1600 Two Notch Rd, Columbia, SC Richland County

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Consultech Environmental Inc.

Printed/Typed Name: Rob Robinson | Signature | Date: Month 4 Day 18 Year 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: George Taylor | Signature: George Taylor | Date: Month 4 Day 19 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: MARSHA WYATT | Signature: Marsha Wyatt | Date: Month 4 Day 19 Year 05

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

CF14 © 2002 LABELMASTER® (800) 621-5808 www.labelmaster.com

PRINTED ON RECYCLED PAPER USING SOYBEAN INK SOY INK

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

Various SC DHEC UST Sites
Various
South Carolina

4. Generator's Phone (803-896-6584)

906

5. Transporter 1 Company Name

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address

Lee County Landfill

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Petroleum Contaminated Soil Non-Hazardous, Special Waste 410 tons	001 21	CM DRUMS	000 Y	
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

LEE COUNTY LANDFILL APPROVAL :767Y29958-PETROLEUM CONTAMINATED SOIL
AWIU EXPIRATION DATE: NOVEMBER 20, 2005

ANDERSON REGIONAL LANDFILL APPROVAL :771Y32071
AWIU EXP: MARCH 7,2006

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

~~Scuth~~ Hardy Pantry #65 C-008 UST # 07584
2367 Taylor Street Columbia SC Richland County

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Consultech Environmental, Inc.-Authorized Agent

Printed/Typed Name: Rob Robinson — Signature — Date: Month 4 Day 18 Year 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: James Williams Sr — Signature — Date: Month 4 Day 20 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Carolyn Green — Signature — Date: Month 4 Day 26 Year 05

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

PRINTED ON RECYCLED PAPER USING SOYBEAN INK SOY INK

NON-HAZARDOUS WASTE MANIFEST

GDST
1. Picadilly Court NE
Conyers, GA 30013
Office (770) 918-8956
Fax (770) 860-8893

No.

Section 1 GENERATOR (Generator completes all of Section 1)

a. Generator Name:
b. Address
c. Phone No.:
If owner generating facility differs from the generator, provide:
d. Owners Name:
e. Description of Waste:

g. Generating Location:
h. Address:
i. Phone No.:
j. Owners Phone No.:

k.

Quantity	Units	No.	Type

TYPE	
DM	-METAL DRUM
DP	-PLASTIC DRUM
B	-BAG
BA	-6MIL. PLASTIC BAG or WRAP
T	-TRUCK
O	-OTHER

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name | Signature | Ship Date

UNITS	
T	-TONS
G	-GALLONS
M^3	-CUBIC METERS
Y^3	-CUBIC YARDS
O	-OTHER

Section II TRANSPORTER (Generator completes a-d; Transporter I completes e-g; Transporter II completes h-n)

a. Name:
b. Address
c. Driver Name/Title:
d. Phone No.: e. Truck No.:
f. Vehicle License No./State:
Acknowledgement of Receipt of Materials.
g. Driver Signature | Shipment Date

h. Name:
i. Address
j. Driver Name/Title:
k. Phone No.: l. Truck No.:
m. Vehicle License No./State:
Acknowledgement of Receipt of Materials.
n. Driver Signature | Shipment Date

Section III DESTINATION (Destination site completes e-f)

a. Site Name:
b. Physical Address:
c. Phone No.:
d. Mailing Address:
e. Discrepancy Indication Space:

I hereby certify that the above material has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. Name of Authorized Agent | Signature | Receipt Date

07584

Confirmation Report – Memory Send

Date & Time: 05-03-2007 11:42am
Tel line : +8038966245
Machine ID : UST PROGRAM

Job number	:	964
Date & Time	:	05-03 11:41am
To	:	97900221
Number of pages	:	002
Start time	:	05-03 11:41am
End time	:	05-03 11:42am
Pages sent	:	002
Status	:	OK

Job number : 964 *** SEND SUCCESSFUL ***

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

2600 Bull Street
Columbia, SC 29201-1708

FAX MESSAGE

Date: 5-3-07
Number of Pages Including Cover Sheet: 2

Please Deliver This Fax Message

TO: RICH WEINACKER
Name

FIRST COMMUNITY BANK
Organization/Department

790-0221
Fax Number

790-0100
Phone Number

FROM: CHRIS DOLL
Bureau of Land & Waste Management
Underground Storage Tank Program

(803) 896-6245
Fax Number

Regulatory (803) 896-7957 or Technical (803) 896-6241
Phone Number

SUBJECT/COMMENT:

UST PROGRAM
DOCKETING # 58 Tech

RECEIVED
MAY 02 2007
UNDERGROUND STORAGE TANK PROGRAM

First Community Bank

FAX

4404 Forest Dr
Columbia, SC 29206

To:	**Mr. Chris Doll**	**From:**	**Rich Weinacker** **Commercial Lender** **Vice President**
Fax:	**803-896-6245**	**Fax:**	**803-790-0221**
Phone:	**( )**	**Phone:**	**(803) 790-0100**
CC:			
Date:	**5/02/07**	**Pages w/cover**	**2**
RE:	**Monitroing Wells #'s 49 and 50** UST-07584		

☐ Urgent ☒ For Review ☐ For Comment ☐ For Reply ☐ For Recycle

Comments:

Chris,
Thank you for your help. Please sign and fax back to 790-0221

TGH

UST PROGRAM
DOCKETING # 59 Tech

Current Form Date: 08/2006

The information contained in this facsimile message is confidential and intended only for the use of the individual or entity named above. Any dissemination, distribution, or duplication of this communication is strictly prohibited.

May 2, 2007

Mr. Rich Weinacker
First Community Bank
4404 Forest Dr.
Columbia, SC 29206

RE: Suddeth Towing, Inc. Monitoring Wells #49 and #50

Dear Rich,

Per our conversation pertaining to the monitoring wells, numbers 49 and 50, located on the site known as Suddeth Towing Inc. Please allow this letter as evidence that the described wells are free and clear of any contaminants.

Sincerely,

Chris Doll
Corrective Action Section Manager
Underground Storage Tank Program

RECEIVED
MAY 0 2 2007
UNDERGROUND STORAGE
TANK PROGRAM

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

JAN 09 2007

MR JAMES L COOPER
PALMETTO ENVIRONMENTAL GROUP
PO BOX 427
ELGIN SC 29045

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
IBF-29751-4/25/06-EMW
Corrective Action System Installation Report received December 29, 2006
Richland County

Dear Mr. Cooper:

The Underground Storage Tank Program has reviewed the referenced document. The following corrections are needed to the air sparge and recover well logs.

- DHEC 1903 Water Well Record Forms must be signed by the certified well driller who installed the wells.
- The latitude and longitude is listed as 34°00.77 and 81°00.97, respectively, on all logs. The latitude and longitude should be recorded for each individual well.
- Formation descriptions were omitted from the recovery well logs.
- Recovery well logs state that the wells are 35 feet deep but also indicate that an artificial filter was installed from 44 to 45 feet. Please correct.

On all correspondence regarding this site, please reference UST Permit # 07584, 07777, and 12352. If you have questions concerning this correspondence, feel free to contact me by telephone at (803) 896-6676, by fax at (803) 896-6245, or blockse@dhec.sc.gov.

Sincerely,

Susan Block, P.G., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 60Tech

cc: Technical Files

SCDHEC/UST/SEB/010307

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health
and Environmental Control

UNDERGROUND STORAGE TANK PROGRAM
BUREAU OF LAND AND WASTE MANAGEMENT

Phone (803) 896-6240 Fax (803) 896-6245

MEMORANDUM

DATE: September 27, 2006

TO: File

FROM: Susan Block
Northeastern SC Corrective Action Section
Assessment and Corrective Action Division

SUBJECT: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
UST Permit # 07777, Cloud's Chevron, 1600 Two Notch Rd., Columbia, SC
UST Permit # 12352, Cloud's Chevron, 1600 Two Notch Rd., Columbia, SC
Richland County

On September 27, 2006, Bob Faller (UST Program), James Davis (Waste Assessment Section), and I conducted a site visit to investigate a complaint (from Jimmy Cooper of Palmetto Environmental Group) of vapors in the storm drain on the east side of the Church's Fried Chicken across from the referenced facilities. The following FID and PID readings were recorded.

Location	FID	PID	Time
Storm Drain East side Church's	18 ppm	24 ppm	11:45 AM
Eastern Injection Well near MW-10	143 ppm	93 ppm	11:50 AM
Western Injection Well near MW-10	1083 ppm	125 ppm	11:55 AM
Creek	13 ppm	1.6 ppm	12:00 PM
Injection well near creek (along Lyon Street)	161 ppm	22 ppm	12:10 PM
Storm Drain West side Church's	7 ppm	0 ppm	12:17 PM
Storm Drain Forest across China Kitchen	7 ppm	0 ppm	12:20 PM
Storm Drain West side Church's near Forest	7 ppm	0 ppm	12:25 PM

The LEL for gasoline is 1.4% (14,000 ppm). Therefore, no explosion hazard existed at the time of the site visit.

cc: Technical File

UST PROGRAM
DOCKETING # 6/Tech

D H E C
PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner
Promoting and protecting the health of the public and the environment.

SEP 20 2006

MR JAMES L COOPER
PALMETTO ENVIRONMENTAL GROUP
PO BOX 427
ELGIN SC 29045

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
IBF-29751-4/25/06-EMW
Corrective Action Plan received July 21, 2006
Public Notice Completed August 17, 2006
Initial Monitoring Report received September 7, 2006
CAP Recovery Well Information received September 18, 2006
Richland County

UST PROGRAM
DOCKETING # 62 Tech

Dear Mr. Cooper:

The Underground Storage Tank Program has reviewed the referenced documents. As required by Section 280.67 of the South Carolina Underground Storage Tank Regulations R.61-92, the Bureau has provided a public notice period including notice of the pending corrective actions to the surrounding landowners. No objections to the proposed actions were expressed; therefore, the Corrective Action Plan (CAP) is approved. All work must be completed in accordance with the referenced bid specifications. The Department recognizes that modifications to the CAP are usually necessary as site conditions change during implementation. If changes to the CAP are later deemed necessary to achieve the Site-Specific Target Levels in a timely manner, please notify the Department. Any changes or modifications to the CAP will not result in a change order. The required Underground Injection Control Permit has been sent to you by the Bureau of Water. The recovery well installation permits are enclosed.

As stated in Section III.B.4, the Corrective Action Plan is to be implemented within 30 days from receipt of this letter. As stated in Section II.B.3, the Site Incentive Period will commence on the Corrective Action System Startup Date. As stated in Section III.B.7, monitoring reports are to be submitted on a quarterly basis. The first Corrective Action Status (CASE) Report will be due 3 months from the date of the system startup. The details of the system installation, including injection well logs, should be documented in the first CASE Report unless a separate System Installation Report will be submitted.

The Department grants pre-approval for transportation of virgin petroleum impacted soil and groundwater from the referenced site to a permitted treatment facility. There can be no spillage or leakage in transport. All investigation-derived waste (IDW) must be properly contained and labeled prior to disposal. IDW should not be stored on-site longer than ninety (90) days. A copy of the disposal manifest and/or acceptance letter from the receiving facility that clearly designates the quantity received

must be included as an appendix to the report. If the COC concentrations, based on laboratory analysis, are below Risk Based Screening Levels (RBSLs), please contact the project manager for approval to dispose of soil and/or groundwater on site. The SUPERB Account will not reimburse for transportation or treatment of soil and/or groundwater with concentrations below RBSLs.

All future invoices and/or other rehabilitation activities must comply with current SUPERB criteria per Section 44-2-20(2) and the referenced bid special conditions. Please reference Cost Agreements 26503 (UST 07584 release 1), 26504 (UST 07584 release 2), 26505 (UST 07777), and 26506 (UST 12352) on all pay-for-performance invoices. The first pay-for-performance invoices in the total amount of $495,600.00 (40%) may be submitted (on the invoice form available online at http://www.scdhec.gov/eqc/admin/html/eqforms.html#land) once the treatment system has been placed into operation.

On all correspondence regarding this site, please reference UST Permit # 07584, 07777, and 12352. On the invoices, please reference the UST Permit Number and Cost Agreement Number. If you have questions concerning this correspondence, feel free to contact me by telephone at (803) 896-6676, by fax at (803) 896-6245, or blockse@dhec.sc.gov.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

enc: Recovery Well Permits
Cost Agreements

cc: Mr. Richard E. Fay, 2020 Charlotte Plaza, 201 South College St., Charlotte NC 28244-2020 (w/o enc)
Mr. Pete Overton, Acme Petroleum and Fuel Company, 543 Cox Rd. Ste. C, Gastonia SC 28054 (w/o enc)
Mr. Mahesh Patel, Fast Point Food Stores, 2811 Reidville Rd. Ste. 11, Spartanburg SC 29301-3227 (w/o enc)
Mrs. Wallace Scott, 76 Whiteford Way, Lexington SC 29072 (w/o enc)
Mr. Andrew Diggins, Providence Hospital, 2345 Forest Dr., Columbia SC 29204 (w/o enc)
Technical File (w/ enc)

SCDHEC/UST/SEB/091906

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

Recovery Well Approval

Approval is hereby granted to: Palmetto Environmental Group
On behalf of: Acme Petroleum & Fuel Co.
Facility: University Mart
UST Permit #: 07584
County: Richland

This approval is for the installation of two recovery wells. The recovery wells are to be installed in the approved locations. Monitoring/ recovery wells are to be installed following the South Carolina Well Standards, R.61-71, and the applicable guidance documents.

Please note that R.61-71 requires the following:

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.

2. All monitoring wells shall be labeled as required by R.61-71.H.2.c.

3. A Water Well Record Form or other form provided or approved by the Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless another schedule has been approved by the Department. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f.

4. All analytical data and water levels obtained from each monitoring well shall be submitted to the Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.

5. If any of the information provided to the Department changes, notification to Susan Block (tel: 803.896.6676 or e-mail: blockse@dhec.sc.gov) shall be provided a minimum of twenty-four (24) hours prior to well construction as required by R.61-71.H.1.a.

6. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c. All other wells shall be properly developed per R.61-71.H.2.d.

7. Monitoring wells shall have Department approval prior to abandonment as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated April 26, 2002. A copy of this approval should be on the site during well installation.

Date of Issuance: September 19, 2006 **Approval #:** UMW-20270

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Division of Assessment and Corrective Action
Bureau of Land and Waste Management

Approved Cost Agreement 26503

Facility: 07584 UNIVERSITY MART
BLOCKSE
PO Number: 632354

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
22 CORRECTIVE ACTION						
		1C	CAP	1.0000	309,750.00	123,900.00
		2C	FREE PRODUCT	1.0000	309,750.00	30,975.00
		3C	60% REDUCTION IN COC	1.0000	309,750.00	30,975.00
		4C	90% REDUCTION IN COC	1.0000	309,750.00	30,975.00
		5C	100% REDUCTION IN COC	1.0000	309,750.00	30,975.00
		6C	VERIFICATION	1.0000	309,750.00	61,950.00
				Total Amount		309,750.00

Approved Cost Agreement [redacted]504

Facility: 07584 UNIVERSITY MART
BLOCKSE
PO Number: 632354

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
22 CORRECTIVE ACTION						
		1C	CAP	1.0000	309,750.00	123,900.00
		2C	FREE PRODUCT	1.0000	309,750.00	30,975.00
		3C	60% REDUCTION IN COC	1.0000	309,750.00	30,975.00
		4C	90% REDUCTION IN COC	1.0000	309,750.00	30,975.00
		5C	100% REDUCTION IN COC	1.0000	309,750.00	30,975.00
		6C	VERIFICATION	1.0000	309,750.00	61,950.00
				Total Amount		309,750.00

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

SEP 18 2006

SYLVAN FOOD SYSTEMS INC
1245 BOSTON AVE
WEST COLUMBIA SC 29170

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Initial Monitoring Report Received September 7, 2006
Richland County

Dear Sir or Madam:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Initial Monitoring Report has been sent to you by PEG. Please contact me if you do not receive the report. The next quarterly report will be submitted in approximately three months.

If you have any questions, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 63Tech

cc: Kentucky Fried Chicken, 2349 Taylors St., Columbia, SC 29204
UST # 07584 Technical File

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

SEP 18 2006

MR RICHARD FAY
2020 CHARLOTTE PLAZA
201 S COLLEGE ST
CHARLOTTE NC 28244-2020

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Initial Monitoring Report Received September 7, 2006
Richland County

Dear Mr. Fay:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Initial Monitoring Report has been sent to you by PEG. Please contact me if you do not receive the report. The next quarterly report will be submitted in approximately three months.

If you have any questions, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING.# 64Tech

cc: Mr. Pete Overton, Acme Petroleum & Fuel Company, 543 Cox Rd., Ste C., Gastonia, SC 28054
UST # 07584 Technical File

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

SEP 18 2006

CHANG MOON SUENG
2358 TAYLOR ST
COLUMBIA SC 29204

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Initial Monitoring Report Received September 7, 2006
Richland County

Dear Mr. Sueng:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Initial Monitoring Report has been sent to you by PEG. Please contact me if you do not receive the report. The next quarterly report will be submitted in approximately three months.

If you have any questions, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

cc: UST # 07584 Technical File

UST PROGRAM
DOCKETING # 65Tech

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

SEP 18 2006

MR JOE SUDDETH
302 BIDDLE RD
COLUMBIA SC 29212

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Initial Monitoring Report Received September 7, 2006
Richland County

Dear Mr. Suddeth:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Initial Monitoring Report has been sent to you by PEG. Please contact me if you do not receive the report. The next quarterly report will be submitted in approximately three months.

If you have any questions, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

cc: UST # 07584 Technical File

UST PROGRAM
DOCKETING # 66tech

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

SEP 18 2006

POPE DAVIS
2368 TAYLOR ST
COLUMBIA SC 29204

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Initial Monitoring Report Received September 7, 2006
Richland County

Dear Sir or Madam:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Initial Monitoring Report has been sent to you by PEG. Please contact me if you do not receive the report. The next quarterly report will be submitted in approximately three months.

If you have any questions, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 67Tech

cc: UST # 07584 Technical File

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

SEP 18 2006

MR MAHESH PATEL
FAST POINT FOOD STORES
2811 REIDVILLE RD STE 11
SPARTANBURG SC 29301-3227

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Initial Monitoring Report Received September 7, 2006
Richland County

Dear Mr. Patel:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Initial Monitoring Report has been sent to you by PEG. Please contact me if you do not receive the report. The next quarterly report will be submitted in approximately three months.

If you have any questions, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 68tech

cc: UST # 07584 Technical File

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

SEP 18 2006

DR DAVID H SWINTON
BENEDICT COLLEGE
1600 HARDEN STREET
COLUMBIA SC 29204

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Initial Monitoring Report Received September 7, 2006
Richland County

Dear Dr. Swinton:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Initial Monitoring Report has been sent to you by PEG. Please contact me if you do not receive the report. The next quarterly report will be submitted in approximately three months.

If you have any questions, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 6a9Tech

cc: UST # 07584 Technical File

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

JUL 31 2006

POPE DAVIS
2368 TAYLOR ST
COLUMBIA SC 29204

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Tax Map # R11411-01-02
Corrective Action Plan Received July 21, 2006
Richland County

Dear Sir or Madam:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. The installation of extraction and injection wells on your property may be necessary as part of the corrective action. PEG is required to coordinate any activity on the property with you. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 10 Tech

enc: Public Notice (copy)
Citizens Guides (3)

cc: Technical File (without enclosure)

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health
and Environmental Control

UNDERGROUND STORAGE TANK PROGRAM
BUREAU OF LAND AND WASTE MANAGEMENT
2600 Bull Street, Columbia, SC
Phone (803) 896-6240 Fax (803) 896-6245

MEMORANDUM

DATE: July 27, 2006

TO: Chris Wargo
Water Monitoring, Assessment & Protection Division
Bureau of Water

FROM: Susan Block
Assessment & Corrective Action Division
Underground Storage Tank Program

SUBJECT: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
UST Permit # 07777, Cloud's Chevron, 1600 Two Notch Rd., Columbia, SC
UST Permit # 12352, Cloud's Chevron, 1600 Two Notch Rd., Columbia, SC
Corrective Action Plan/ UIC Permit Application received July 25, 2006
Richland County

Attached for your review and approval is an Underground Injection Control Permit Application for the above referenced sites submitted by Palmetto Environmental Group, Inc. Initial review by this Department indicates the Corrective Action Plan is approvable. Please return the completed Permit to Install to my attention once your review and approval is completed. I will forward it to the contractor when all other permits have been received and technical and financial approval from this Program has been issued, as required by law.

Questions may be referred to my attention at (803) 896-6676.

Enc: CAP/ UIC Permit Application

Cc: Technical File

UST PROGRAM
DOCKETING # 13 Tech

Notice of Appeal Procedure

The following procedures are in effect beginning July 1, 2006, pursuant to 2006 Act No. 387:

1. This decision of the S.C. Department of Health and Environmental Control (Department) becomes the final agency decision 15 days after notice of the Department decision has been mailed to the applicant or respondent, unless a written request for final review is filed with the Department by the applicant, permittee, licensee, or affected person.

2. An applicant, permittee, licensee, or affected person who wishes to appeal this decision must file a written request for final review with the Clerk of the Board at the following address:

   Clerk of the Board
   SC DHEC
   2600 Bull Street
   Columbia, SC 29201

3. Parties filing a request for final review are asked to include a statement of the grounds on which they challenge the Department's decision and the specific changes they are seeking in the decision.

4. In order to be timely, a request for final review must be received by the Clerk of the Board within 15 days after notice of the Department decision has been mailed to the applicant or respondent. If the 15th day occurs on a weekend or State holiday, the request is due to be received by the Clerk of the Board on the next working day.

5. If a timely request for final review is filed with the Clerk of the Board, the Clerk will provide additional information regarding procedures.

6. The Board of Health and Environmental Control has 60 days from the date of receipt of a request for final review to conduct a final review conference. The conference may be conducted by the Board, its designee, or a committee of three members of the Board appointed by the chair.

7. If a final review conference is not conducted within 60 days, the Department decision becomes the final agency decision, and a party may request a contested case hearing before the Administrative Law Court within 30 days after the deadline for the final review conference.

The above information is provided as a courtesy; parties are responsible for complying with all applicable legal requirements.

UST PROGRAM
DOCKETING # D-Tech

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health
and Environmental Control

UNDERGROUND STORAGE TANK PROGRAM
BUREAU OF LAND AND WASTE MANAGEMENT
2600 Bull Street, Columbia, SC
Phone (803) 896-6240 Fax (803) 896-6245

MEMORANDUM

DATE: July 27, 2006

TO: Chris Wargo
Water Monitoring, Assessment & Protection Division
Bureau of Water

FROM: Susan Block
Assessment & Corrective Action Division
Underground Storage Tank Program

SUBJECT: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
UST Permit # 07777, Cloud's Chevron, 1600 Two Notch Rd., Columbia, SC
UST Permit # 12352, Cloud's Chevron, 1600 Two Notch Rd., Columbia, SC
Corrective Action Plan/ UIC Permit Application received July 25, 2006
Richland County

Attached for your review and approval is an Underground Injection Control Permit Application for the above referenced sites submitted by Palmetto Environmental Group, Inc. Initial review by this Department indicates the Corrective Action Plan is approvable. Please return the completed Permit to Install to my attention once your review and approval is completed. I will forward it to the contractor when all other permits have been received and technical and financial approval from this Program has been issued, as required by law.

Questions may be referred to my attention at (803) 896-6676.

Enc: CAP/ UIC Permit Application

Cc: Technical File

UST PROGRAM
DOCKETING # 13 Tech

D H E C
PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MR JAMES MORRISON JR
1014 LAURENS ST
COLUMBIA SC 29201

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Tax Map # R11411-02-03
Corrective Action Plan Received July 21, 2006
Richland County

Dear Mr. Morrison:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. The installation of extraction and injection wells on your property is necessary as part of the corrective action. PEG is required to coordinate any activity on your property with you. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 724 Tech

enc: Public Notice (copy)
Citizens Guide (3)

cc: Technical File (without enclosure)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

NOTICE

State of South Carolina
Department of Health and Environmental Control
Columbia, South Carolina

Public Notice # 07584-02, 07777-02, & 12352-02
Date: August 2, 2006

NOTICE OF PROPOSED CORRECTIVE ACTION

Section 280.67 of the S.C. Underground Storage Tank Control Regulations (R.61-92) requires that any Corrective Action Plan prepared to meet the requirements of 280.66 must be placed on notice for public comment. The following applicants have submitted a Corrective Action Plan for the rehabilitation of ground water contaminated by petroleum constituents released from underground storage tanks (USTs).

Applicants:

ACME Petroleum & Fuel Company, 543 Cox Rd., Ste. C, Gastonia, NC 28054
UST Permit # 07584, Former Handy Pantry #65
Three USTs used for storage of petroleum products were removed from the former Handy Pantry #65 (currently University Mart) in 1998 & 1999.
The facility is located at 2367 Taylor St., Columbia in Richland County, SC.

Wallace M. Scott, 76 Whiteford Way, Lexington, SC 29072
UST Permit # 07777, Former Clouds Chevron
Four USTs used for the storage of petroleum products were removed from the former Cloud's Chevron in 1992.
The former facility is located at 1600 Two Notch Rd., Columbia in Richland County, SC.

Jack & Alexandra Lee, 1600 Two Notch Rd., Columbia, SC 29204
UST Permit # 12352, Former Clouds Chevron
Two USTs used for the storage of petroleum products were removed from the former Cloud's Chevron in 1993.
The former facility is located at 1600 Two Notch Rd., Columbia in Richland County, SC.

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
2600 Bull Street • Columbia, SC 29201 • Phone: (803) 898-3432 • www.scdhec.gov

D H E C
PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner
Promoting and protecting the health of the public and the environment.

NOTICE

State of South Carolina
Department of Health and Environmental Control
Columbia, South Carolina

Public Notice # 07584-02, 07777-02, & 12352-02
Date: August 2, 2006

NOTICE OF PROPOSED CORRECTIVE ACTION

Corrective action will consist of vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by monitored natural attenuation.

A copy of the Corrective Action Plan is available for review at the Department' s Freedom of Information Office, 2600 Bull Street in Columbia, SC. Please call (803) 898-3882 to schedule an appointment.

Persons wishing to comment upon or object to Corrective Action approval are invited to submit same in writing on or before August 17, 2006 to South Carolina Department of Health and Environmental Control, Underground Storage Tank Program, 2600 Bull Street, Columbia, S.C. 29201 or call Susan Block at (803) 896-6676. The public notice # 07584-02, 07777-02, and 12352-02 should be placed at the top of the first page of comments. Where there is a significant degree of public interest, the Department will hold a public hearing.

Please bring the foregoing to the attention of persons who you know will be interested in this matter.

United States
Environmental Protection
Agency

Office of Solid Waste and
Emergency Response
(5102G)

EPA 542-F-01-006
April 2001
www.epa.gov/superfund/sites
www.cluin.org

EPA

A Citizen's Guide to Soil Vapor Extraction and Air Sparging

The Citizen's Guide Series

EPA uses many methods to clean up pollution at Superfund and other sites. If you live, work, or go to school near a Superfund site, you may want to learn more about cleanup methods. Perhaps they are being used or are proposed for use at your site. How do they work? Are they safe? This Citizen's Guide is one in a series to help answer your questions.

What are soil vapor extraction and air sparging?

Soil vapor extraction or *SVE* removes harmful chemicals, in the form of *vapors*, from the soil above the water table. Vapors are the gases that form when chemicals evaporate. The vapors are extracted (removed) from the ground by applying a vacuum to pull the vapors out.

What is the Water Table?

The water table is the level of groundwater below the ground surface.

Air sparging uses air to help remove harmful vapors from polluted soil and groundwater below the water table. When air is pumped underground, the chemicals evaporate faster, which makes them easier to remove. Like SVE, a vacuum then extracts the vapors. Certain chemicals—like solvents and fuel—evaporate easily. SVE and air sparging work best on these types of chemicals. SVE and air sparging are often used at the same time to clean up both soil and groundwater.

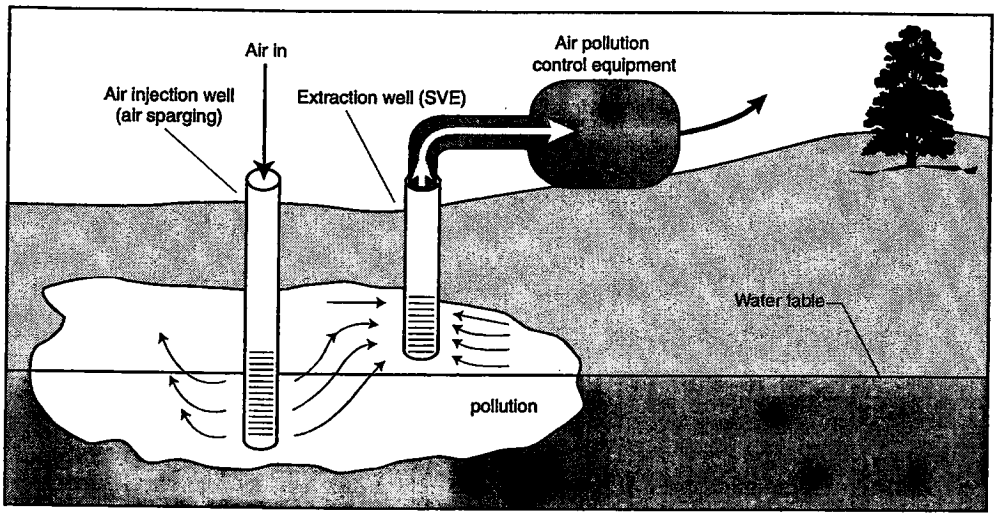
How do they work?

SVE requires drilling *extraction wells* within the polluted area. These wells are drilled into the soil, but not the groundwater. Attached to the wells is equipment that creates a vacuum, which pulls air and vapors through the soil and up to the surface.

Air injection wells can be drilled to help the cleanup. Air injection wells pump air into the ground. The air causes the pollution to evaporate faster. Sometimes air vents are used instead of air injection wells. Air vents don't pump air, but provide a passage for fresh air to enter the ground. The number of air injection and extraction wells can range from one to hundreds, depending on the size of the polluted area.

Once the extraction wells pull the air and vapors out of the ground, special air pollution control equipment collects them. The equipment separates the harmful vapors from the clean air. Then, the vapors *sorb* or stick to solid materials. Or they are condensed to liquids. These polluted solids and liquids are disposed of safely.

Air sparging works very much like SVE. However, the wells that pump air into the ground are drilled into water-soaked soil below the water table. Air pumped into the wells disturbs the groundwater. This helps the pollution change into vapors. The vapors rise into the drier soil above the groundwater and are pulled out of the ground by extraction wells. The harmful vapors are removed in the same way as SVE.

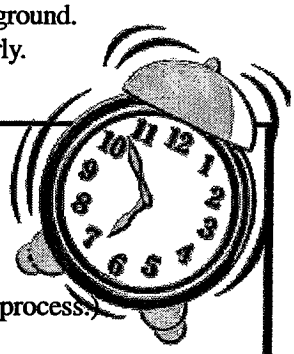


The air used in SVE and air sparging also helps clean up pollution by encouraging the growth of *microbes*. These tiny bugs are found naturally in soil and can use pollution for food. When microbes completely digest pollution, they can change it into water and harmless vapors. (*A Citizen's Guide to Bioremediation* [EPA 542-F-01-001] describes how microbes work.)

Are soil vapor extraction and air sparging safe?

When properly designed and operated, SVE and air sparging are safe cleanup methods. No one has to dig up the pollution, and no chemicals—just air—are added to the ground. EPA makes sure that harmful vapors are collected and disposed of properly.

How long will it take ?



Cleaning up a site using SVE and air sparging can take years. The time depends on several factors:

- size and depth of the polluted area
- type of soil and conditions present (wet or dense soil can slow the process)
- type and amounts of harmful chemicals present

The air injected into the ground can be heated to speed up the process. The heated soil helps evaporate the chemicals faster. Also, other sources of heat, like steam or hot water can be pumped into the injection wells to heat up the soil. (See *A Citizen's Guide to In Situ Thermal Treatment* [EPA 542-F-01-012].)

Why use soil vapor extraction and air sparging?

SVE and air sparging are quicker than cleanup methods that rely on natural processes to do the work. In general, the wells and equipment are simple to install and maintain. And they can reach greater depths than methods that involve digging up soil. SVE and air sparging are effective at removing many types of pollution that can evaporate. Both methods can be used with other methods to clean up other types of pollution as well. Both methods work best in loose soils—like sand and gravel. But they both work well under many types of conditions.

SVE and air sparging are often chosen to clean up Superfund sites. EPA has selected SVE for use at approximately196 sites and air sparging for use at roughly 48 sites.

For more information

write the Technology Innovation Office at:

U.S. EPA (5102G)
1200 Pennsylvania Ave., NW
Washington, DC 20460

or call them at
(703) 603-9910.

Further information also can be obtained at **www.cluin.org** or **www.epa.gov/superfund/sites.**

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United States
Environmental Protection
Agency

Office of Solid Waste and
Emergency Response
(5102G)

EPA 542-F-01-013
April 2001
www.epa.gov/superfund/sites
www.cluin.org

EPA

A Citizen's Guide to Chemical Oxidation

The Citizen's Guide Series

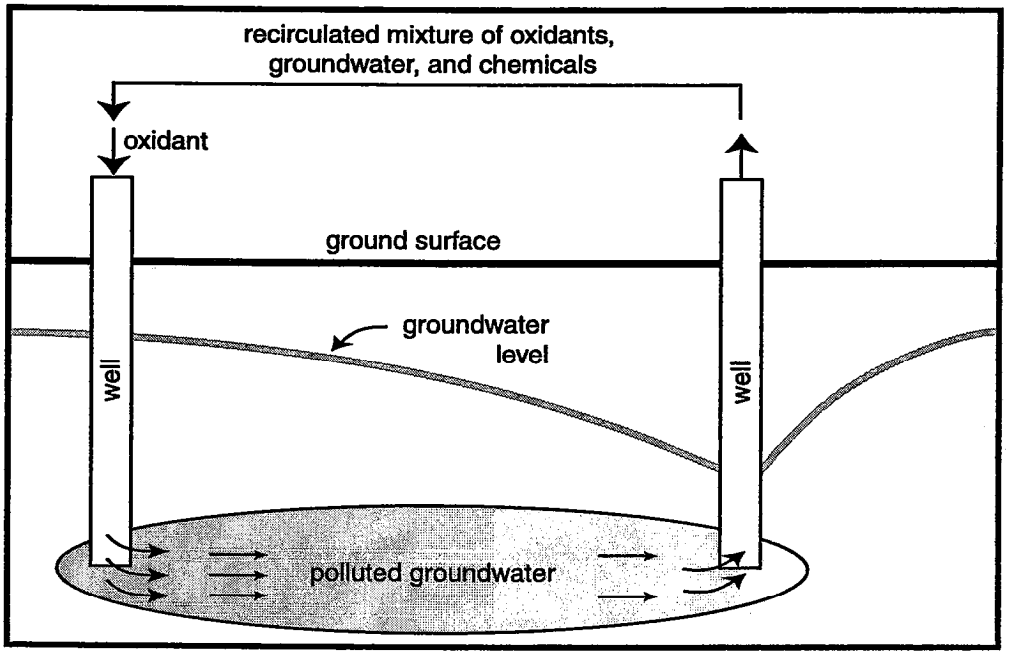
EPA uses many methods to clean up pollution at Superfund and other sites. Some, like chemical oxidation, are considered new or *innovative*. Such methods can be quicker and cheaper than more common methods. If you live, work, or go to school near a Superfund site, you may want to learn more about cleanup methods. Perhaps they are being used or are proposed for use at your site. How do they work? Are they safe? This Citizen's Guide is one in a series to help answer your questions.

What is chemical oxidation?

Chemical oxidation uses chemicals called *oxidants* to destroy pollution in soil and groundwater. Oxidants help change harmful chemicals into harmless ones, like water and carbon dioxide. Chemical oxidation can destroy many types of chemicals like fuels, solvents, and pesticides.

How does it work?

Chemical oxidation does not involve digging up polluted soil or groundwater. Instead, wells are drilled at different depths in the polluted area. The wells pump the oxidant into the ground. The oxidant mixes with the harmful chemicals and causes them to break down. When the process is complete, only water and other harmless chemicals are left behind.



To clean up a site faster, oxidants can be pumped in one well and out another well. This approach helps mix the oxidant with the harmful chemicals in the groundwater and soil. After the mixture is pumped out, it is pumped back (*recirculated*) down the first well. As pumping and mixing continues, more polluted soil and groundwater are cleaned up.

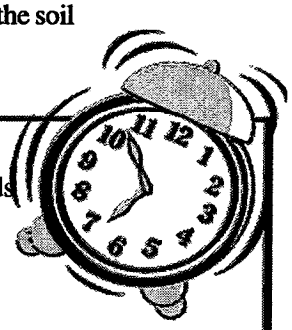
It can be hard to pump oxidants to the right spots in the ground. So before drilling starts, EPA must study the conditions underground by testing the soil and groundwater. Where is the pollution? How will the oxidant spread through the soil and groundwater to reach it?

The most common oxidant to clean up pollution is *hydrogen peroxide*. Another is *potassium permanganate*, which is cheaper. Both oxidants are pumped as liquids. And both have advantages depending on the site. Ozone is another strong oxidant, but because it is a gas, it can be difficult to use.

At some sites, a *catalyst* is used with the oxidant. A catalyst is a chemical that increases the strength or speed of a process. For instance, if hydrogen peroxide is mixed with an iron catalyst, it produces a strong chemical called a *free radical*. Free radicals can destroy more harmful chemicals than hydrogen peroxide alone.

Chemical oxidation can create enough heat to boil water. The heat can cause the chemicals underground to *evaporate*, or change into gases. The gases rise through the soil to the ground surface where they are captured and cleaned up.

How long will it take ?



The time it takes for chemical oxidation to clean up a site depends on several factors:

- size and depth of the polluted area
- type of soil and conditions present
- how groundwater flows through the soil (How fast? Along what path?)

In general, chemical oxidation offers rapid cleanup times compared to other methods. Cleanup times can be measured in months, rather than years.

Is chemical oxidation safe?

Chemical oxidation can be quite safe to use, but there are potential hazards. Oxidants are *corrosive*, which means they can wear away certain materials and can burn the skin. People who work with oxidants must wear protective clothing. Some oxidants can explode if used under the wrong conditions. Explosions can be prevented, however, through proper design of the chemical oxidation system. EPA makes sure that the system is properly designed. Workers also test the soil, groundwater, and air after chemical oxidation to make sure the site is cleaned up.

Why use chemical oxidation?

Chemical oxidation is being used at hundreds of sites across the country. It destroys pollution underground without having to dig it up or pump it out for transport to a treatment system. This saves time and money. Often chemical oxidation is used to clean up pollution that other methods can't reach, like pollution deep within the groundwater. Chemical oxidiation can be used to clean up the source of pollution. Most other methods that are used to remove the source are very slow and more expensive.

For more information

write the Technology Innovation Office at:

U.S. EPA (5102G)
1200 Pennsylvania Ave., NW
Washington, DC 20460

or call them at (703) 603-9910.

Further information also can be obtained at **www.cluin.org** or **www.epa.gov/superfund/sites.**

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United States
Environmental Protection
Agency

Office of Solid Waste and
Emergency Response
(5102G)

EPA 542-F-01-004
April 2001
www.epa.gov/superfund/sites
www.cluin.org

EPA

A Citizen's Guide to Monitored Natural Attenuation

The Citizen's Guide Series

EPA uses many methods to clean up pollution at Superfund and other sites. If you live, work, or go to school near a Superfund site, you may want to learn more about cleanup methods. Perhaps they are being used or are proposed for use at your site. How do they work? Are they safe? This Citizen's Guide is one in a series to help answer your questions.

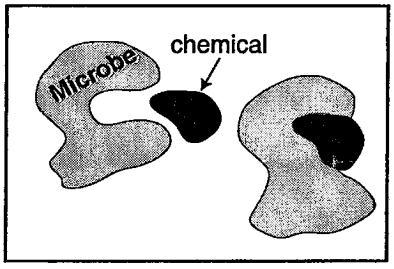
What is monitored natural attenuation?

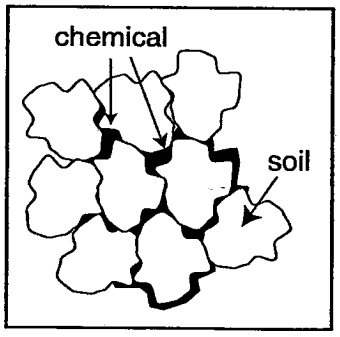
Natural attenuation relies on natural processes to clean up or *attenuate* pollution in soil and groundwater. Natural attenuation occurs at most polluted sites. However, the right conditions must exist underground to clean sites properly. If not, cleanup will not be quick enough or complete enough. Scientists *monitor* or test these conditions to make sure natural attenuation is working. This is called *monitored natural attenuation* or *MNA*.

How does it work?

When the environment is polluted with chemicals, nature can work in four ways to clean it up:

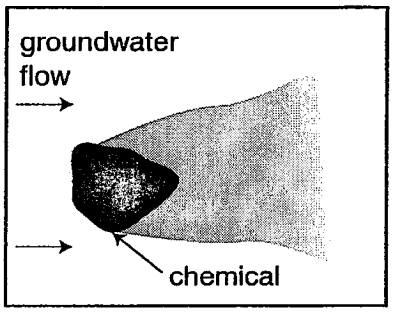
1. Tiny bugs or *microbes* that live in soil and groundwater use some chemicals for food. When they completely digest the chemicals, they can change them into water and harmless gases. (*A Citizen's Guide to Bioremediation* [EPA 542-F-01-001] describes how microbes work.)



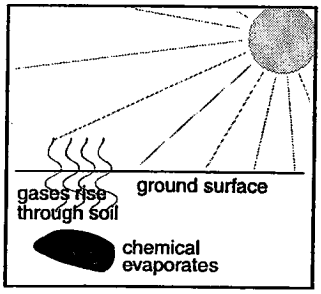


2. Chemicals can stick or *sorb* to soil, which holds them in place. This does not clean up the chemicals, but it can keep them from polluting groundwater and leaving the site.

3. As pollution moves through soil and groundwater, it can mix with clean water. This reduces or *dilutes* the pollution.



4. Some chemicals, like oil and solvents, can *evaporate*, which means they change from liquids to gases within the soil. If these gases escape to the air at the ground surface, sunlight may destroy them.

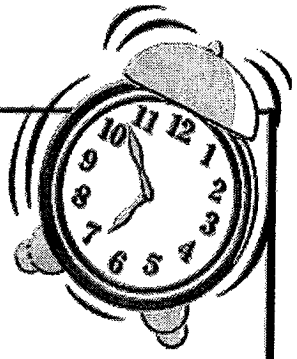


MNA works best where the source of pollution has been removed. For instance, buried waste must be dug up and disposed of properly. Or it can be removed using other available cleanup methods. After the source is removed, the natural processes get rid of the small amount of pollution that remains in the soil and groundwater. The soil and groundwater are monitored regularly to make sure they are cleaned up.

Is it safe?

MNA can be a safe process if used properly. No one has to dig up the pollution, and nothing has to be added to the land or water to clean it up. But MNA is not a "do nothing" way to clean up sites. Regular monitoring is needed to make sure pollution doesn't leave the site. This ensures that people and the environment are protected during cleanup.

How long will it take ?



The time it takes for MNA to clean up a site depends on several factors:

- type and amounts of chemicals present
- size and depth of the polluted area
- type of soil and conditions present

These factors vary from site to site, but cleanup usually takes years to decades. MNA is used when other methods will not work or are expected to take almost as long. Sometimes MNA is used as a final cleanup step after another method cleans up most of the pollution.

Why use monitored natural attenuation?

Depending on the site, MNA may work just as well and almost as fast as other methods. Because MNA takes place underground, digging and construction are not needed. As a result, there is no waste to dispose of in landfills. This is less disruptive to the neighborhood and the environment. Also, it allows cleanup workers to avoid contact with the pollution. MNA requires less equipment and labor than most methods. Therefore, it can be cheaper. Monitoring for many years can be costly, but it may cost less than other methods.

MNA is the only cleanup method being used at a few Superfund sites with groundwater pollution. At over 60 other sites with polluted groundwater, MNA is just one of the cleanup methods being used. MNA also is used for oil and gasoline spills from tanks.

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D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health
and Environmental Control

UNDERGROUND STORAGE TANK PROGRAM
BUREAU OF LAND AND WASTE MANAGEMENT

Phone (803) 896-6240 Fax (803) 896-6245

MEMORANDUM

DATE: July 24, 2006

TO: Robin Mack
Compliance Section
Regulatory Compliance Division

FROM: Susan Block
Northeastern SC Corrective Action Section
Assessment and Corrective Action Division

SUBJECT: Public Notice # 07584-02, 07777-02, & 12352-02
UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
UST Permit # 07777, Cloud's Chevron, 1600 Two Notch Rd., Columbia, SC
UST Permit # 12352, Cloud's Chevron, 1600 Two Notch Rd., Columbia, SC
Richland County

Per section 280.67 of the South Carolina Underground Storage Tank Control Regulations R. 61-91, the South Carolina Department of Health and Environmental Control (SCDHEC) is required to provide public notice of proposed corrective actions at underground storage tank facilities.

The Assessment & Corrective Action Division requests your assistance in posting the enclosed notice at public offices (e.g. post offices, court houses, etc.) located in close proximity to the referenced facility.

If possible, the notice should be posted for 15 days. The attached notice has been postdated to August 2, 2006 to allow your office time to have it posted prior to its beginning date. Your assistance is greatly appreciated.

Questions may be referred to my attention at (803) 896-6676.

enc: Public Notice (4 copies)

cc: Technical File

UST PROGRAM
DOCKETING # 75-Tech

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

NOTICE

State of South Carolina
Department of Health and Environmental Control
Columbia, South Carolina

UST PROGRAM
DOCKETING # 16-Tech

Public Notice # 07584-02, 07777-02, & 12352-02
Date: August 2, 2006

NOTICE OF PROPOSED CORRECTIVE ACTION

Section 280.67 of the S.C. Underground Storage Tank Control Regulations (R.61-92) requires that any Corrective Action Plan prepared to meet the requirements of 280.66 must be placed on notice for public comment. The following applicants have submitted a Corrective Action Plan for the rehabilitation of ground water contaminated by petroleum constituents released from underground storage tanks (USTs).

Applicants:

ACME Petroleum & Fuel Company, 543 Cox Rd., Ste. C, Gastonia, NC 28054
UST Permit # 07584, Former Handy Pantry #65
Three USTs used for storage of petroleum products were removed from the former Handy Pantry #65 (currently University Mart) in 1998 & 1999.
The facility is located at 2367 Taylor St., Columbia in Richland County, SC.

Wallace M. Scott, 76 Whiteford Way, Lexington, SC 29072
UST Permit # 07777, Former Clouds Chevron
Four USTs used for the storage of petroleum products were removed from the former Cloud's Chevron in 1992.
The former facility is located at 1600 Two Notch Rd., Columbia in Richland County, SC.

Jack & Alexandra Lee, 1600 Two Notch Rd., Columbia, SC 29204
UST Permit # 12352, Former Clouds Chevron
Two USTs used for the storage of petroleum products were removed from the former Cloud's Chevron in 1993.
The former facility is located at 1600 Two Notch Rd., Columbia in Richland County, SC.

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
2600 Bull Street • Columbia, SC 29201 • Phone: (803) 898-3432 • www.scdhec.gov

D H E C
PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner
Promoting and protecting the health of the public and the environment.

NOTICE

State of South Carolina
Department of Health and Environmental Control
Columbia, South Carolina

Public Notice # 07584-02, 07777-02, & 12352-02
Date: August 2, 2006

NOTICE OF PROPOSED CORRECTIVE ACTION

Corrective action will consist of vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by monitored natural attenuation.

A copy of the Corrective Action Plan is available for review at the Department' s Freedom of Information Office, 2600 Bull Street in Columbia, SC. Please call (803) 898-3882 to schedule an appointment.

Persons wishing to comment upon or object to Corrective Action approval are invited to submit same in writing on or before August 17, 2006 to South Carolina Department of Health and Environmental Control, Underground Storage Tank Program, 2600 Bull Street, Columbia, S.C. 29201 or call Susan Block at (803) 896-6676. The public notice # 07584-02, 07777-02, and 12352-02 should be placed at the top of the first page of comments. Where there is a significant degree of public interest, the Department will hold a public hearing.

Please bring the foregoing to the attention of persons who you know will be interested in this matter.

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

JUL 25 2006

MR RICHARD FAY
2020 CHARLOTTE PLAZA
201 S COLLEGE ST
CHARLOTTE NC 28244-2020

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Corrective Action Plan Received July 21, 2006
Richland County

Dear Mr. Fay:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

LOCKETING # 17 TECH

enc: Public Notice (copy)
Citizens Guides (3)

cc: Mr. Pete Overton, Acme Petroleum & Fuel Company, 543 Cox Rd., Ste C., Gastonia, SC 28054 (w/ enc)
Technical File (without enclosure)

D H E C
PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MR ANDREW DIGGINS
PROVIDENCE HOSPITAL
2345 FOREST DR
COLUMBIA SC 29204

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Corrective Action Plan Received July 21, 2006
Richland County

Dear Mr. Diggins:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. The installation of extraction and injection wells on Providence Hospital property is necessary as part of the corrective action. PEG is required to coordinate any activity on the property with you. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 18 Tech

enc: Public Notice (copy)
Citizens Guides (3)

cc: Tom Pollard, Esq., Nixon, Privit Law Firm, PO Drawer 2426, Columbia, SC 29202 (w/ enc)
Technical File (w/o enc)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MRS WALLACE SCOTT
76 WHITEFORD WAY
LEXINGTON SC 29072

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Corrective Action Plan Received July 21, 2006
Richland County

Dear Mrs. Scott:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

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Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 79-Teca

enc: Public Notice (copy)
Citizens Guides (3)

cc: Technical File (without enclosure)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

CHANG MOON SUENG
2358 TAYLOR ST
COLUMBIA SC 29204

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Tax Map # R11411-01-01
Corrective Action Plan Received July 21, 2006
Richland County

Dear Mr. Sueng:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. You may observe limited drilling, trenching, and construction activities by PEG at the referenced properties. Periodic sampling of the monitoring wells on your property will be necessary. You will be informed of the results. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 80 Tech

enc: Public Notice (copy)
Citizens Guides (3)

cc: Technical File (without enclosure)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MS LINDA WARREN
1527 LYON ST
COLUMBIA SC 29204

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Tax Map # R11411-03-01 & R11411-03-02
Corrective Action Plan Received July 21, 2006
Richland County

Dear Ms. Warren:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. You may observe limited drilling, trenching, and construction activities by PEG at the referenced properties. Periodic sampling of the monitoring wells on your property will be necessary. You will be informed of the results. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 81 Tech

enc: Public Notice (copy)
Citizens Guides (3)

cc: Technical File (without enclosure)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

GILBERT WALKER
COLUMBIA HOUSING AUTHORITY
PO BOX 4307
COLUMBIA SC29204

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Tax Map # R11411-04-01
Corrective Action Plan Received July 21, 2006
Richland County

Dear Mr. Walker:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. You may observe limited drilling, trenching, and construction activities by PEG at the referenced properties. Periodic sampling of the monitoring wells on the Housing Authority property will be necessary. You will be informed of the results. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

UST PROGRAM
DOCKETING # 8J Tech

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

enc: Public Notice (copy)
Citizens Guides (3)
cc: Technical File (without enclosure)

D H E C
PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

SYLVAN FOOD SYSTEMS INC
1245 BOSTON AVE
WEST COLUMBIA SC 29170

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Tax Map # R11408-10-32
Corrective Action Plan Received July 21, 2006
Richland County

Dear Sir or Madam:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. The installation of extraction and injection wells on your property may be necessary as part of the corrective action. PEG is required to coordinate any activity on your property with you. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM DOCKETING# 83Tech

enc: Public Notice (copy)
Citizens Guides (3)

cc: Kentucky Fried Chicken, 2349 Taylors St., Columbia, SC 29204 (w/ enc)
Technical File (without enclosure)

D H E C
PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

WL BOYD III
455 ALEXANDER CIR
COLUMBIA SC 29206

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Tax Map # R11411-02-02
Corrective Action Plan Received July 21, 2006
Richland County

Dear Mr. Boyd:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. The installation of extraction and/or injection wells on your property may be necessary as part of the corrective action. PEG is required to coordinate any activity on the property with you. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 84 Tech

enc: Public Notice (copy)
Citizens Guides (3)

cc: Mr. Pope D. Johnson III, McCutchen, Blanton, Johnson & Barnette LLP, PO Drawer 11209, Columbia SC 29211-1209 (w/ enc)
Technical File (without enclosure)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

DR DAVID H SWINTON
BENEDICT COLLEGE
1600 HARDEN STREET
COLUMBIA SC 29204

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Tax Map # R11408-10-31, 11408-10-11, 11407-06-01, 11407-06-03, & 11407-06-02
Corrective Action Plan Received July 21, 2006
Richland County

Dear Dr. Swinton:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. The installation of extraction and injection wells on Benedict College property is necessary as part of the corrective action. PEG is required to coordinate any activity on the property with you. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

UST PROGRAM
DOCKETING # 85 Tech

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

enc: Public Notice (copy)
Citizens Guides (3)

cc: Technical File (without enclosure)

D H E C
PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MR MAHESH PATEL
FAST POINT FOOD STORES
2811 REIDVILLE RD STE 11
SPARTANBURG SC 29301-3227

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Tax Map # R11412-10-16
Corrective Action Plan Received July 21, 2006
Richland County

Dear Mr. Patel:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. The installation of extraction and injection wells on your property is necessary as part of the corrective action. PEG is required to coordinate any activity on your property with you. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 86 Tech

enc: Public Notice (copy)
Citizens Guides (3)

cc: Technical File (without enclosure)

D H E C
PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MS BETTE GORDON BATEMAN
C/O JESSE REESE
PO BOX 1026
COLUMBIA SC 29201

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Tax Map # R11411-02-01
Corrective Action Plan Received July 21, 2006
Richland County

Dear Ms. Bateman:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. The installation of extraction and injection wells on your property may be necessary as part of the corrective action. PEG is required to coordinate any activity on your property with you. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 87 Tech

enc: Public Notice (copy)
Citizens Guides (3)

cc: Technical File (without enclosure)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MR JAMES MORRISON JR
1014 LAURENS ST
COLUMBIA SC 29201

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Tax Map # R11411-02-03
Corrective Action Plan Received July 21, 2006
Richland County

Dear Mr. Morrison:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. The installation of extraction and injection wells on your property is necessary as part of the corrective action. PEG is required to coordinate any activity on your property with you. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 88-Tech

enc: Public Notice (copy)
Citizens Guide (3)

cc: Technical File (without enclosure)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

JAMES & MARILYN BUNDRICK
217 PALMER DR
LEXINGTON SC 29072

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Tax Map # R11411-01-02
Corrective Action Plan Received July 21, 2006
Richland County

Dear Mr. and Mrs. Bundrick:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. The installation of extraction and injection wells on your property may be necessary as part of the corrective action. PEG is required to coordinate any activity on the property with you. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST FAC... DOCKETING # 89 Tech

enc: Public Notice (copy)
Citizens Guides (3)

cc: Technical File (without enclosure)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MR JOE SUDDETH
302 BIDDLE RD
COLUMBIA SC 29212

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Tax Map # R11411-01-03
Corrective Action Plan Received July 21, 2006
Richland County

Dear Mr. Suddeth:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. You may observe limited drilling, trenching, and construction activities by PEG at the referenced properties. Periodic sampling of the monitoring wells on your property will be necessary. You will be informed of the results. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

UST PROGRAM
DOCKETING # 90Tech

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

enc: Public Notice (copy)
Citizens Guides (3)

cc: Technical File (without enclosure)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

JUL 13 2006

MR NICHOLAS BOUDREAUX
F & R
310 HUBERT ST
RALEIGH NC 27603

Re: University Mart, 2367 Taylor St., Columbia SC
UST Permit # 07584
Request received July 11, 2006
Richland County

UST PROGRAM
DOCKETING # _____

Dear Mr. Boudreaux:

You requested that this office provide you with an update on the environmental conditions at the above referenced facility.

We received a report on January 30, 1991 and on April 17, 1998 documenting petroleum contamination in the subsurface in the vicinity of the former underground storage tanks. Our records revealed that three underground storage tanks (USTs) owned by Pacemaker Leasing Corporation and operated by Acme Petroleum and Fuel Company were removed in March 1999. In response to the initial report of contamination, we directed Acme Petroleum and Fuel Company, as the party responsible for performing this activity under state and federal law, to assess the extent and severity of the contamination. The releases have been assessed, and a bid for remediation has been awarded to Palmetto Environmental Group. A Corrective Action Plan for remediation is due July 17, 2006.

The January 30, 1991 release of petroleum products from the USTs is qualified to receive funding under the conditions of the State Underground Petroleum Environmental Response Bank (SUPERB) Act. This means that reasonable costs up to $1,000,000 can be paid by the SUPERB account for site rehabilitation actions associated with this release. The April 17, 1998 release is qualified to receive funding under the conditions of the SUPERB Act after the $25,000 deductible has been met. As the Acme Petroleum and Fuel Company has filed for bankruptcy, the Department has determined that it is in the best interest of human health and the environment to proceed with assessment and remediation of the second release using SUPERB funds and will seek cost recovery against Acme Petroleum and Fuel Company.

Section 80(C) of the SUPERB Act provides that a subsequent purchaser of property from which an UST has been removed is not responsible for site rehabilitation activities other than abatement actions necessary to eliminate any imminent threat to human health or the environment. This exemption applies to the extent that the release is eligible for compensation from the SUPERB Account, provided that the person allows reasonable access to the property for rehabilitation activities, and does not or has not had any familial, financial, or other interest with the person who owned or operated the UST. This applies equally to subsequent lenders or to those who would acquire this property through foreclosure in the future.

UST PROGRAM
DOCKETING # 91 Tech

The Program is not aware of any laws or regulations that prohibit the use or development of properties where a petroleum release has occurred.

If you have any questions, please contact me at (803) 896-6676 or blockse@dhec.sc.gov.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

cc: Technical File

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

JUL 07 2006

JAMES L COOPER
PALMETTO ENVIRONMENTAL GROUP
PO BOX 427
ELGIN SC 29045

Re: UST Permit # 17630, Former Marilyn's Gas Station, 10701 Garners Ferry Rd., Columbia SC
UST Permit # 07584, University Mart, 2367 Taylor St., Columbia SC
Monitoring Well Replacement Reports received July 6, 2006
Richland County

Dear Mr. Cooper:

Please find enclosed copies of the monitoring well replacement reports for the former Marilyn's Gas Station (UST Permit # 17630) and University Mart (UST Permit # 07584). The wells were replaced by S&ME, Inc. on behalf of the South Carolina Department of Transportation.

If you have questions concerning this correspondence, feel free to contact me at (803) 896-6676, or blockse@dhec.sc.gov.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

Enc: Monitoring Well Replacement Reports

cc: Technical Files (w/o enc)

UST PROGRAM DOCKETING # 92 Tech

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MAY 0 8 2006

MR JAMES L COOPER
PALMETTO ENVIRONMENTAL GROUP
PO BOX 427
ELGIN SC 29045

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Corrective Action Award
Richland County

Dear Mr. Cooper:

As you are aware, the Underground Storage Tank Program has determined that active corrective action is necessary at the referenced facilities. On May 3, 2006, you were awarded the corrective action contract in the amount of $1,239,000.00 ($309,750.00 per release), which will be funded by the SUPERB Account. Per contract requirements, the corrective action plan and performance bond or letter must be submitted within 30 days of the award date (June 3, 2005) and the Initial Monitoring Report must be submitted within 45 days of the award date (June 18, 2005). Signed copies of the Right-of-Entry for the referenced facilities are enclosed. Please coordinate with each landowner for access and keep any inconveniences to the affected landowners to a minimum. Please also note that in accordance with the bid specifications, copies of all plans and reports should be sent to all affected property owners listed in the bid appendix.

If you have any questions or need additional information, please contact me by telephone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM DOCKETING # 93 Tech

Enc: Right of Entries
Approved Cost Agreements

Cc: Richard E. Fay, 2020 Charlotte Plaza, 201 South College St., Charlotte NC 28244-2020 (w/o enc)
Mr. Pete Overton, Acme Petroleum and Fuel Company, 543 Cox Rd. Ste. C, Gastonia SC 28054 (w/o enc)
Mr. Mahesh Patel, Fast Point Food Stores, 2811 Reidville Rd. Ste. 11, Spartanburg SC 29301-3227 (w/o enc)
Mrs. Wallace Scott, 76 Whiteford Way, Lexington SC 29072 (w/o enc)
Mr. Andrew Diggins, Providence Hospital, 2345 Forest Dr., Columbia SC 29204 (w/o enc)
Ms. Bette Gordon Bateman, c/o Jesse T. Reese, PO Box 1026, Columbia, SC 29201 (w/o enc)
W.L. Boyd III, 455 Alexander Cir., Columbia SC 29206 (w/o enc)
James A. & Marilyn L. Bundrick, 217 Palmer Dr., Lexington SC 29072 (w/o enc)
Mr. James Morrison Jr., 1014 Laurens St., Columbia SC 29201 (w/o enc)
Pope D. Johnson III, McCutchen Blanton Johnson & Barnette LLP, PO Drawer 11209, Columbia SC 29211-1209 (w/o enc)
Mr. Joe T. Suddeth, 302 Biddle Rd., Columbia SC 29212 (w/o enc)
Chang Moon Sueng, 2358 Taylor St., Columbia SC 29204 (w/o enc)
Dr. David H. Swinton, Benedict College, 1600 Harden St., Columbia SC 29204 (w/o enc)
Sylvan Food Systems Inc., 1245 Boston Ave., West Columbia SC 29170 (w/o enc)
Ms. Linda Warren, 1527 Lyon St., Columbia SC 29204 (w/o enc)
Gilbert Walker, Columbia Housing Authority, PO Box 4307, Columbia SC 29204 (w/o enc)
Technical Files (w/o enc)

SCDHEC/UST/5.2.06/SEB

Approved Cost Agreement 26503

Facility: 07584 UNIVERSITY MART
BLOCKSE

PO Number: 632354

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
22 CORRECTIVE ACTION						
		1	CAM/TI AND/OR OPERATE	1.0000	309,750.00	123,900.00
		2	25% REDUCTION IN COC	1.0000	309,750.00	46,462.50
		3	50% REDUCTION IN COC	1.0000	309,750.00	46,462.50
		4	75% REDUCTION IN COC	1.0000	309,750.00	30,975.00
		5	100% REDUCTION IN COC	1.0000	309,750.00	61,950.00
				Total Amount		309,750.00

Approved Cost Agreement 26524

Facility: 07584 UNIVERSITY MART
BLOCKSE

PO Number: 632354

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
22 CORRECTIVE ACTION						
		1	CAM/TI AND/OR OPERATE	1.0000	309,750.00	123,900.00
		2	25% REDUCTION IN COC	1.0000	309,750.00	46,462.50
		3	50% REDUCTION IN COC	1.0000	309,750.00	46,462.50
		4	75% REDUCTION IN COC	1.0000	309,750.00	30,975.00
		5	100% REDUCTION IN COC	1.0000	309,750.00	61,950.00
				Total Amount		309,750.00

Approved Cost Agreement 26505

Facility: 07777 CLOUDS CHEVRON
BLOCKSE

PO Number: 632355

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
22 CORRECTIVE ACTION						
		1	CAM/TI AND/OR OPERATE	1.0000	309,750.00	123,900.00
		2	25% REDUCTION IN COC	1.0000	309,750.00	46,462.50
		3	50% REDUCTION IN COC	1.0000	309,750.00	46,462.50
		4	75% REDUCTION IN COC	1.0000	309,750.00	30,975.00
		5	100% REDUCTION IN COC	1.0000	309,750.00	61,950.00
				Total Amount		309,750.00

Approved Cost Agreement 26[redacted]6

Facility: 12352 CLOUDS CHEVRON BLOCKSE

PO Number: 632356

Task / Description Categories	Item	Description	Qty / Pct	Unit Price	Amount
22 CORRECTIVE ACTION					
	1	CAM/TI AND/OR OPERATE	1.0000	309,750.00	123,900.00
	2	25% REDUCTION IN COC	1.0000	309,750.00	46,462.50
	3	50% REDUCTION IN COC	1.0000	309,750.00	46,462.50
	4	75% REDUCTION IN COC	1.0000	309,750.00	30,975.00
	5	100% REDUCTION IN COC	1.0000	309,750.00	61,950.00
				Total Amount	309,750.00

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health
and Environmental Control

UNDERGROUND STORAGE TANK PROGRAM
BUREAU OF LAND AND WASTE MANAGEMENT
2600 Bull Street
Columbia, SC 29201
Telephone (803) 896-6240

MEMORANDUM

Date: May 3, 2006

To: Matt Winslow
Bureau of Business Management

From: Laura Jean Pace, CGFO, CPM, Manager
Financial Section

Subject: Bid Award, IFB-29751-4/25/06-EMW
UST Permit # 07584, University Mart, Release 1; PO # R-29751
UST Permit # 07584, University Mart, Release 2; PO # R-29751
UST Permit # 07777, Clouds Chevron; PO # R-29752
UST Permit # 12352, Clouds Chevron; PO # R-29753

This Program has reviewed the submittals received April 26, 2006 for the referenced bid. As the proposed corrective action methodology can be permitted in South Carolina and the estimated time frame is protective of human health, the low bid submitted by Palmetto Environmental Group, Inc. is acceptable. The UST Program recommends immediate award to Palmetto Environmental Group, Inc.

Purchase order PO # R-29751 should be generated for one half of the accepted bid award amount, $309,750.00. Please note, the full amount of the bid award ($619,500.00) should be noted in the body of the generated purchase order.

Purchase order PO # R-29752 should be generated for one half of the accepted bid award amount, $154,875.00. Please note, the full amount of the bid award ($309,750.00) should be noted in the body of the generated purchase order.

Purchase order PO # R-29753 should be generated for one half of the accepted bid award amount, $154,875.00. Please note, the full amount of the bid award ($309,750.00) should be noted in the body of the generated purchase order.

The purchase orders should reference the corresponding facility indicated above. Please provide me a copy of the purchase orders.

cc: Christopher S. Doll, P.G., Manager, NESCCA Section
Susan Block, NESCCA Section
Technical File

UST PROGRAM
DOCKETING # 94Tech

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health
and Environmental Control

UNDERGROUND STORAGE TANK PROGRAM
BUREAU OF LAND AND WASTE MANAGEMENT
2600 Bull Street
Columbia, SC 29201
Telephone (803) 896-6240

MEMORANDUM

DATE: March 8, 2006

TO: Matt Winslow, Procurement Officer
Bureau of Business Management

FROM: Laura Jean Pace, CGFO, CPM, Manager lp
Financial Section

SUBJECT: Bid Request

Attached is a hard copy of the bid specifications for corrective action at UST Permit # 07584, # 07777, and # 12352. This bid package should be sent out in SCBO. The information is also on the enclosed disk under file name 07584 & 07777 & 12352 bid.doc. **This corrective action is funded by the SUPERB Fund.**

Purchase Requisition #29751 for UST Permit # 07584, Purchase Requisition #29752 for UST Permit # 07777, and Purchase Requisition #29753 for UST Permit # 12352 have been created on the AIMS System.

Please send a copy of the final bid package to me so that it can be placed in the technical file in the Freedom of Information Office as outlined in the bid specifications. If you have any questions, contact Susan Block at 896-6676.

cc: Chris Doll, P.G., Manager, NESCCA
Susan Block, NESCCA
Technical File

DHEC/UST/3.8.06

UST PROGRAM
DOCKETING # 95Tech

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MAR 07 2006

SYLVAN FOOD SYSTEMS INC
1245 BOSTON AVE
WEST COLUMBIA SC 29170

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Corrective Action Plan Received December 6, 2005
Richland County

Dear Sir or Madam:

You were previously notified by the South Carolina Department of Health and Environmental Control of the pending corrective action of the referenced releases by Consultech Environmental, Inc. The Department recently received notification from Consultech that they will be unable to fulfill the requirements of the remediation contract. As such, the proposed corrective action plan will not be approved. The Department plans to resolicit bids for remediation of the petroleum releases. When the contract has been awarded to a new contractor, you will be sent a new Corrective Action Plan (CAP).

If you have any questions or comments, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

cc: Kentucky Fried Chicken, 2349 Taylors St., Columbia, SC 29204
Technical File

UST PROGRAM
DOCKETING # 96TECH

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MAR 07 2006

MR RICHARD FAY
2020 CHARLOTTE PLAZA
201 S COLLEGE ST
CHARLOTTE NC 28244-2020

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Corrective Action Plan Received December 6, 2005
Richland County

Dear Mr. Fay:

You were previously notified by the South Carolina Department of Health and Environmental Control of the pending corrective action of the referenced releases by Consultech Environmental, Inc. The Department recently received notification from Consultech that they will be unable to fulfill the requirements of the remediation contract. As such, the proposed corrective action plan will not be approved. The Department plans to resolicit bids for remediation of the petroleum releases. When the contract has been awarded to a new contractor, you will be sent a new Corrective Action Plan (CAP).

If you have any questions or comments, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 97 Tech

cc: Mr. Pete Overton, Acme Petroleum & Fuel Company, 543 Cox Rd., Ste C., Gastonia, SC 28054
Technical File

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MAR 07 2006

MR ANDREW DIGGINS
PROVIDENCE HOSPITAL
2345 FOREST DR
COLUMBIA SC 29204

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Corrective Action Plan Received December 6, 2005
Richland County

Dear Mr. Diggins:

You were previously notified by the South Carolina Department of Health and Environmental Control of the pending corrective action of the referenced releases by Consultech Environmental, Inc. The Department recently received notification from Consultech that they will be unable to fulfill the requirements of the remediation contract. As such, the proposed corrective action plan will not be approved. The Department plans to resolicit bids for remediation of the petroleum releases. When the contract has been awarded to a new contractor, you will be sent a new Corrective Action Plan (CAP).

If you have any questions or comments, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 98-Tech

cc: Tom Pollard, Esq., Nixon, Privit Law Firm, PO Drawer 2426, Columbia, SC 29202
Technical File

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MAR 07 2006

MRS WALLACE SCOTT
76 WHITEFORD WAY
LEXINGTON SC 29072

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Corrective Action Plan Received December 6, 2005
Richland County

Dear Mrs. Scott:

You were previously notified by the South Carolina Department of Health and Environmental Control of the pending corrective action of the referenced releases by Consultech Environmental, Inc. The Department recently received notification from Consultech that they will be unable to fulfill the requirements of the remediation contract. As such, the proposed corrective action plan will not be approved. The Department plans to resolicit bids for remediation of the petroleum releases. When the contract has been awarded to a new contractor, you will be sent a new Corrective Action Plan (CAP).

If you have any questions or comments, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

cc: Technical File

UST PROGRAM
DOCKETING # 99Tech

ARM ENVIRONMENTAL SERVICES, INC.

ASSESSMENT & REMEDIAL SERVICES DIVISION *www.armenv.com*

TRANSMITTAL COVER PAGE

RECEIVED

JUL 26 2005

UNDERGROUND STORAGE TANK PROGRAM

TO: Art Schrader
SCDHEC

FROM: Andrew M. Wilson, P.G.
ARM Environmental Services, Inc.

Re: Form 1903
Fast Point #23 07584
2367 Taylor Street
Columbia, SC

DATE: July 26, 2005

COMMENTS:

Art – Enclosed please find the referenced information. If you have any questions, please do not hesitate to contact me.

Thanks;

Andy Wilson

UST PROGRAM
DOCKETING # 140Tech

1210 1st STREET SOUTH EXTENSION / COLUMBIA, SC 29209 / phone (803)783-3314 fax (803)783-2587

App. ID 232

DHEC
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Fast Point (last) (first)
Address: 2811 Reidville Road
City: Spartanburg, SC State: Zip:
Telephone: Work: (864) 587-1009 Home:

2. LOCATION OF WELL: **COUNTY:**
Name: Fast Point #24
Street Address: 2367 Taylor
City: Columbia, SC Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☐ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Orange-Red Clay Silt	14.0	14.0
Orange-Red Fine Medium Sand	11.0	25.0
Orange Tan Kaolin Clay	4.0	29.0
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
RW-1A

6. TYPE: ☐ Mud Rotary ☐ Jetted ☑ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER: 07584

8. USE:
☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☐ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started:
29 ft. Date Completed:

10. CASING: ☑ Threaded ☐ Welded
Diam.: 4"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
4 in. to 9 ft. depth
_____ in. to _____ ft. depth
Height: Above ☐ Below ☑
Surface .5 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 4"
Slot/Gauge: 0.010 Length: 20"
Set Between: 9 ft. and 29 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☐ Yes ☐ No
Installed from 7 ft. to 29 ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☑ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From .5 ft. to 7 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type Former UST
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe ___ ft. Capacity ___ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Rannie WIlliamson **CERT. NO.:**
Address: (Print) Level: A B C D (circle one) ☑ ☐ ☐ ☐
1753 Old Stagecoach Rd., Camden, SC
Telephone No.: 803-713-6500 Fax No.: 803-424-8492

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Rannie Williamson Date: 7-25-05
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003) **COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)**

Application ID: 232

DHEC
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Fast Point (last) (first)
Address: 2811 Reidville Road Suite 11
City: Spartanbug State: SC Zip:
Telephone: Work: (864) 587-1009 Home:

2. LOCATION OF WELL: **COUNTY:** Richland
Name: Fast Point #24
Street Address: 2367 Taylor Street
City: Columbia, SC Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☐ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Light Brown F/M grained Sand	7.5	7.5
Red Clayey Fine grained Sand	7.5	15.0
Orange Clayey Fine grained Sand	5.0	20.0
White-Tan Medium grained Sand	5.0	25.0
Orange Medium grained Sand	9.0	34.0
Gray, Dense Clay	6.0	40.0
Tan-Lt Orange, F/M grained Sand	9.0	49.0
Orange Medium grained Sand	1.0	50.0
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
PW-1A

6. TYPE: ☐ Mud Rotary ☐ Jetted ☑ Bored
☐ Dug ☐ Air Rotary ☐ Driven
☐ Cable tool ☐ Other

7. PERMIT NUMBER: 07584

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 50 ft. Date Started: 4/12/05 Date Completed: 4/12/05

10. CASING: ☑ Threaded ☐ Welded
Diam.: 6
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
6 in. to 38 ft. depth
2 in. to 45 ft. depth
Height: Above ☐ Below ☐
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 5'
Set Between: 50 ft. and 45 ft. **NOTE: MULTIPLE SCREENS**
_____ ft. and _____ ft. **USE SECOND SHEET**
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 43 ft. to 50 ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 41 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type Former UST
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☑
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe ____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine
☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Rannie Williamson **CERT. NO.:** 335
Address: (Print) 1753 Old Stagecoach Rd, Camden, S
Level: A B C D (circle one) ☑ ☐ ☐ ☐
Telephone No.: 803-713-8300 Fax No.: 803-424-8492

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Rannie Williamson Date: 7-20-05
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003) **COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)**

Application ID: 232

DHEC
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Fast Point (last) (first)
Address: 2811 Reidville Road Suite 11
City: Spartanbug State: SC Zip:
Telephone: Work: (864) 587-1009 Home:

2. LOCATION OF WELL: **COUNTY:** Richland
Name: Fast Point #24
Street Address: 2367 Taylor Street
City: Columbia, SC Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☑ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Asphalt	.5	.5
Red Clay	4.5	5.0
Reddish-Tan Sandy Clay	9.5	15.0
Tan Clayey Sand	13.0	28.0
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
MW-5B

6. TYPE: ☐ Mud Rotary ☐ Jetted ☑ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER: 07584

8. USE:
☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 28 ft. Date Started: 4/12/05 Date Completed: 4/12/05

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 18 ft. depth
_____ in. to _____ ft. depth
Height: Above ☐ Below ☑
Surface .5 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10'
Set Between: 18 ft. and 28 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 16 ft. to 28 ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From .5 ft. to 14 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type Former UST
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not Installed ☑
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Rannie Williamson **CERT. NO.:** 335
Address: (Print) 1753 Old Stagecoach Rd, Camden, S
Level: A ☑ B ☐ C ☐ D ☐ (circle one)
Telephone No.: 803-713-8300 Fax No.: 803-424-8492

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Rannie Williamson Date: 7-20-05
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003) **COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)**

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

JUL 12 2005

SHERRI STABEL
PACE ANALYTICAL SERVICES
9800 KINCEY AVE STE 100
HUNTERSVILLE NC 28078

Re: Laboratory Analyses
Bid # SB-28234-6/7/05-EMW, PO # 587465

Dear Ms. Stabel:

Under the terms and conditions of the referenced bid package, analytical sampling has been approved for the referenced facilities. Each facility has been assigned an individual Cost Agreement (CA) number as listed below. Please reference the CA number and Purchase Order #587465 on the appropriate invoices submitted for payment against the facility. SCDHEC personnel will perform the sampling.

UST Permit #	Facility	Analyses-Groundwater	CA #	Bottles (Y/N)	Date Needed
08348	Dixie Tire	1-BTEXMN & EDB	24919	N	-----
07584	University Mart	10-Oxygenates & 1-EDB	25043	Y	7/13/05
01204	LC Smith Grocery	10-BTEXMN, EDB, & Oxygenates	24875	Y	7/18/05
06985	Dodges Store	24- BTEXMN & Oxygenates	24898	Y	7/18/05
00814	Ancrums Grocery	1-BTEXMN & EDB	24942	N	-----
01250	Frm Pats Cash	14-BTEXMN & Oxygenates	24876	Y	7/18/05
03766	Parth Inc	10-BTEXMN & Oxygenates	25006	Y	7/18/05

If you have any questions or need further assistance, please contact me at (803) 896-6397 or thomadl@dhec.sc.gov.

Sincerely,

Debra L Thoma

UST PROGRAM DOCKETING # 141 Tech

Debra L. Thoma, Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land & Waste Management

Enc: Approved Cost Agreements

cc: Technical File

Approved Cost Agreement 25943

Facility: 07584 UNIVERSITY MART
BLOCKSE
PO Number:

Task / Description	Categories	Item Description	Qty / Pct	Unit Price	Amount
11 ANALYSES					
	GW GROUNDWATER	F EDB	1.0000	27.00	27.00
		P 8 OXYGENATES	10.0000	70.00	700.00
			Total Amount		727.00

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health
and Environmental Control

UNDERGROUND STORAGE TANK PROGRAM
BUREAU OF LAND AND WASTE MANAGEMENT
2600 Bull Street, Columbia, South Carolina 29201
Telephone (803) 896-6240 Fax (803) 896-6245

MEMORANDUM

Date: June 20, 2005

To: Ernie Bell, Ph.D., District Health Director
Palmetto Health District

Ann Clark, Acting Director
Central Midlands EQC District

Tom B. Knight
Bureau of Water

Bruce Bleau
Bureau of Water

Nancy C. Whittle
EQC Administration

UST PROGRAM
DOCKETING # 142 Tech

From: Art Shrader, Hydrogeologist
Assessment Section
Assessment and Corrective Action Division

Subject: University Mart (Former Handy Pantry #65), 2367 Taylor Street, Columbia, SC
UST Permits #07504 & 18389
Former Cloud's Chevron, 1600 Two Notch Road, Columbia, SC
UST Permit #07777 & 12352

Both facilities are at the intersection of Taylor Street and Two Notch Road in Columbia. Handy Pantry # 65 is an operating petroleum marking facility. Four Underground Storage Tanks (USTs) were removed from the ground at Cloud's Chevron in May 1992. The Cloud's Chevron facility was subsequently purchased by the Sisters of Charity Providence Hospital and now is a parking lot for the hospital. On May 25, 2005, the UST Program received a report from Consultech Environmental Incorporated that benzene, toluene, ethylbenzene, xylenes, and Methyl-tert Butyl Ether (MtBE) were entering a tributary of Lake Katherine and Gills Creek. Laboratory analysis of a water grab sample collected on April 21, 2005 detected benzene at 200, toluene at 38.1, ethylbenzene at 11.7, xylenes at 28.8, and MtBE at 143 micrograms per liter (parts per billion). As groundwater samples from the monitoring wells adjacent to the stream had elevated petroleum constituents, the elevated petroleum levels in the tributary are believed to be from the UST systems. A confirmation sample was collected on June 2, 2005. Similar elevated levels of petroleum chemical of concern were detected. A copy of an extract of the assessment report to include the topographic map, site plan, well analysis, and laboratory reports for both sampling events is attached for your information.

The UST Program in the near future will procure the services of a certified contractor to perform active corrective action at both facilities to remove free phase product and reduce the levels of petroleum chemicals of concern. If you have any questions, please call me at (803) 896-6669.

Enc: Copy of a portion of Consultech Environmental Report received May 25, 2005
Laboratory results for Creek Samples Collected April 21, and June 2, 2005

cc: Technical file (without enclosures)

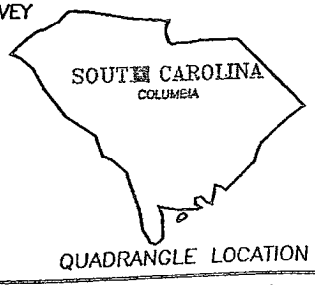


REFERENCE: COLUMBIA NORTH, SOUTH CAROLINA QUADRANGLE MAP, 7.5 MINUTE SERIES, U.S. GEOLOGIC SURVEY

SCALE 1 : 24,000

0 2,000 4,000

SCALE IN FEET



QUADRANGLE LOCATION

DRAWN: L.B.I.	DATE: 12/14/04
PROJECT: HANDY PANTRY #65,UST# 07584	
PROJECT: CLOUDS CHEVRON UST# 07777	
PROJECT No.: 04-12-008, 04-12-009	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 1
SITE LOCATION AND TOPOGRAPHIC MAP

CONSULTECH ENVIRONMENTAL, INC.

Environmental Consulting and Engineering

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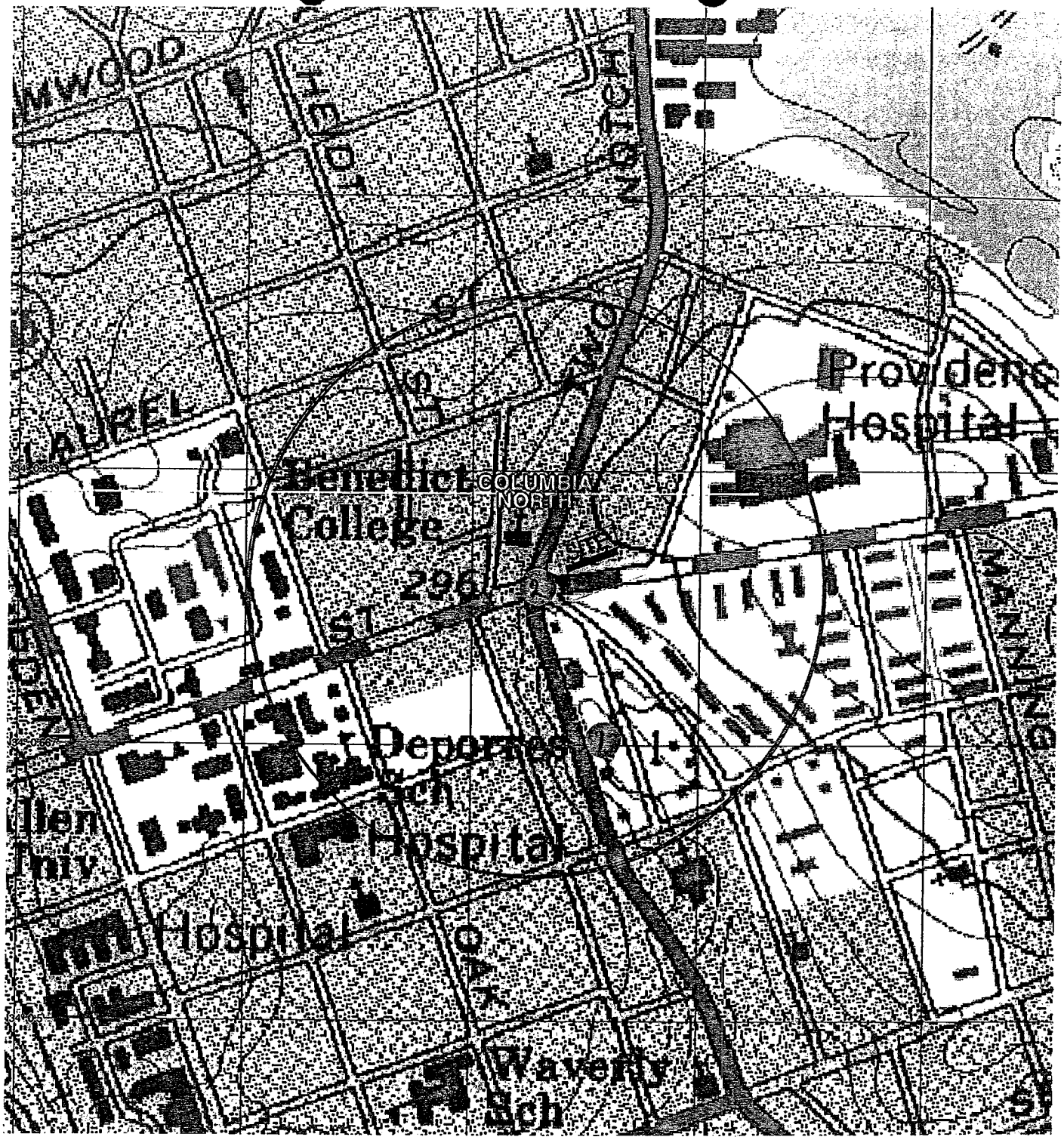
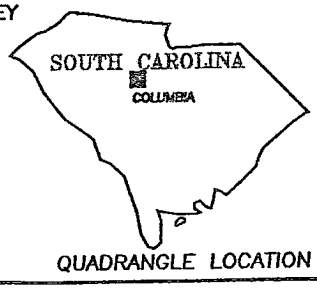


REFERENCE: COLUMBIA NORTH, SOUTH CAROLINA QUADRANGLE MAP, 7.5 MINUTE SERIES, U.S. GEOLOGIC SURVEY

SCALE 1" : 6,400"

0 500 1,000

SCALE IN FEET



QUADRANGLE LOCATION

DRAWN: C.M.E.	DATE: 05/23/05
PROJECT: HANDY PANTRY #65, UST#07584	
PROJECT: CLOUDS CHEVRON UST# 07777	
PROJECT No.: C-04-12-008, 04-12-009	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 3
SITE WITH POTENTIAL RECEPTORS AND TOPOGRAPHIC MAP

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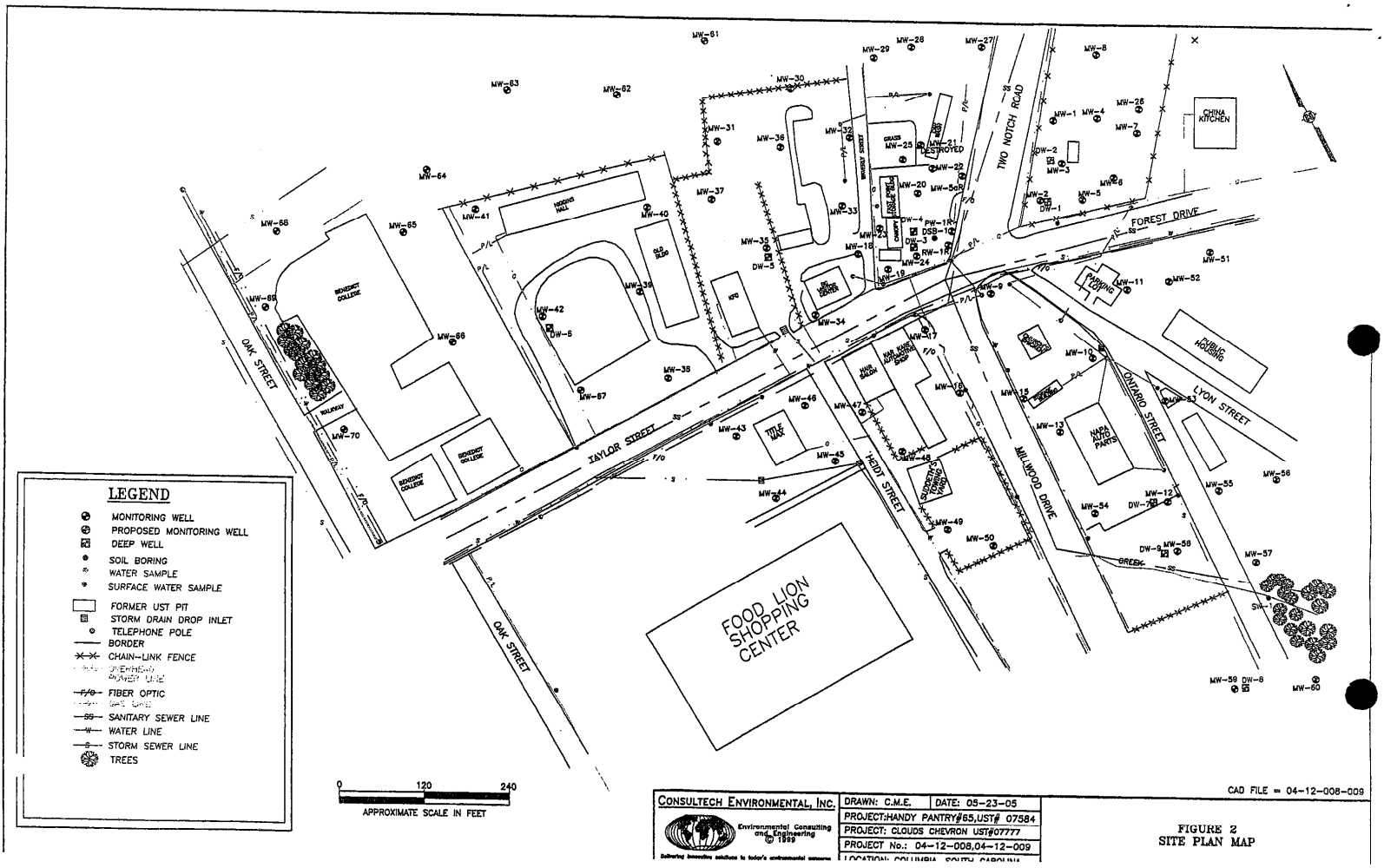

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Environmental Consulting and Engineering
Delivering Innovative solutions to today's environmental concerns

DRAWN: C.M.E.	DATE: 05-23-05
PROJECT: HANDY PANTRY #65, UST# 07584	
PROJECT: CLOUDS CHEVRON UST#07777	
PROJECT No.: 04-12-008,04-12-009	
LOCATION: COLUMBIA, SOUTH CAROLINA	

CAD FILE = 04-12-008-009

FIGURE 2
SITE PLAN MAP

Table 5
BTEX and PNA Groundwater Analytical Results (ug/l)
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Napthalenes	1,2 DCA
RBSL		*5*	*1,000*	*700*	*10,000*	*40*	*25*	*NA*
MW-1	11/18/03	<1	1.3	<1	1.6	<1	<5	NS
	04/19/05	<1	<1	<1	<1	<1	<5	<1
MW-2	11/18/03	**17,900**	**34,600**	**3,630**	**17,000**	**6,150**	**<250**	NS
	04/19/05	**4,230**	**9,910**	**1,250**	8,540	**4,910**	**1,410**	<1
MW-3	10/27/03	**11,300**	**72,500**	**3,980**	**20,800**	**20,200**	**870**	NS
	04/19/05	**5,620**	**14,200**	**2,940**	7,530	**10,900**	**910**	<5
MW-4	11/18/03	<1	1.8	<1	2.8	1.2	<5	NS
	04/19/05	<1	<1	<1	<1	2.6	<5	<1
MW-5	10/27/03	**779**	968	336	2,020	**89.5**	**1240**	NS
	04/19/05	**1,140**	**4,790**	**1,940**	**10,400**	13	**570**	<1
MW-6	11/18/03	**13.2**	3.8	<1	66.5	<1	<5	NS
	04/19/05	**16.1**	1.5	<1	119.0	<1	7.1	<1
MW-7	11/18/03	<1	<1	<1	<1	<1	<5	NS
	04/19/05	<1	<1	<1	<1	<1	<5	<1
MW-8	11/18/03	<1	<1	<1	<1	<1	<5	NS
	04/19/05	<1	<1	<1	<1	<1	<5	<1
MW-9	11/18/03	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	NS
	04/19/05	**2,280**	**9,010**	**773**	**5,230**	34.3	**900**	<1
MW-10	11/18/03	**.10' LPH**	**.10' LPH**	**.10' LPH**	**.10' LPH**	**.10' LPH**	**.10' LPH**	NS
	04/19/05	**6,200**	**23,800**	**3,320**	**33,200**	**890**	**1,440**	422
MW-11	11/18/03	**28.4**	46.4	1.2	9.3	<1	<5	NS
	04/19/05	**34.5**	20.0	2.0	8.0	<1	<5	<1
MW-12	11/18/03	**5,400**	125	489	203	**682**	**<50**	NS
	04/21/05	**8,550**	**4,000**	**1,460**	2,640	**69**	**314**	<1
MW-13	11/18/03	**120**	<1	17	43	8	<5	NS
	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-15	11/18/03	**.03' LPH**	**.03' LPH**	**.03' LPH**	**.03' LPH**	**.03' LPH**	**.03' LPH**	NS
	04/19/05	**565**	**1,950**	617	3,760	5.6	**859**	<1
MW-16	11/18/03	**436**	300	66	244	<10	**<50**	NS
	04/21/05	<1	1.6	<1	7.7	<1	<5	<1
MW-17	11/18/03	**.65' LPH**	**.65' LPH**	**.65' LPH**	**.65' LPH**	**.65' LPH**	**.65' LPH**	NS
	04/21/05	**4,720**	**32,600**	**4,440**	**23,700**	2.2	**620**	<1
MW-18	10/29/03	**.13' LPH**	**.13' LPH**	**.13' LPH**	**.13' LPH**	**.13' LPH**	**.13' LPH**	NS
	04/20/05	**6,910**	**17,400**	**2,530**	**13,800**	**8,920**	**1,580**	<10
MW-19	10/29/03	**.02' LPH**	**.02' LPH**	**.02' LPH**	**.02' LPH**	**.02' LPH**	**.02' LPH**	NS
	04/20/05	**18,200**	**63,600**	**2,980**	**16,300**	**962**	**2,290**	<10

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Napthalenes	1,2 DCA
MW-20	10/29/03	24,200	38,600	2,760	12,800	6,300	1,050	NS
	04/20/05	12,800	23,400	1,630	12,400	18000	1430	<10
MW-21	10/29/03	18.9	240	537	3,830	<1	116	NS
	04/20/05	destroyed	destroyed	destroyed	destroyed	destroyed	destroyed	destroyed
MW-22	11/25/03	30,000	48,200	6,550	31,900	1,560	3,380	NS
	04/20/05	800	3,640	126	760	1,800	148	<20
MW-23	11/25/03	43,000	85,500	4,140	85,000	5,800	1,140	NS
	04/20/05	1,770	1,250	195	1,650	1,390	140	<10
MW-24	11/25/03	35,000	37,600	2,760	12,300	7,750	595	NS
	04/20/05	1,340	1,520	98	1,730	610	66.5	<5
MW-25	10/29/03	10,300	37,400	3,300	17,600	80.0	1,080	NS
	04/20/05	6,900	41,800	7,800	45,600	17.7	3,180	<1
MW-26	11/25/03	<1	<1	<1	<1	<1	<5	NS
	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-5a	10/27/03	376	960	510	2,560	<1	89.8	NS
MW-5aR	04/20/05	2,250	3,100	1,500	7,740	2,500	796	<20
PW-1	10/29/03	3,230	90	343	924	1,850	290	NS
PW-1R	04/20/05	2,740	2,640	732	2,460	2,040	250	<1
RW-1	10/29/03	.01' LPH	.01' LPH	.01' LPH	.01' LPH	.01' LPH	.01' LPH	NS
RW-1R	04/20/05	9,700	17,000	2,800	7,150	3,100	932	<20
MW-27	04/20/05	<1	1	<1	<1	<1	<5	<1
MW-28	04/20/05	<1	<1	<1	<1	<1	<5	<1
MW-29	04/20/05	<1	<1	<1	<1	<1	<5	<1
MW-30	04/20/05	<1	<1	<1	<1	<1	<5	<1
MW-31	04/20/05	227	251	261	450	2.2	82.9	<1
MW-32	04/21/05	264	740	406	2,440	<5	176	6.5
MW-33	04/20/05	3,860	7,820	938	4,660	25.6	164	<1
MW-34	04/20/05	2,020	9,180	1,840	10,300	<1	1,060	<1
MW-35	04/20/05	4,090	4,060	296	1,590	1,730	238	<10
MW-36	04/20/05	302	621	165	427	3.7	29.4	<1
MW-37	04/20/05	764	1,750	780	1,870	<1	158	<1
MW-38	04/20/05	<1	<1	<1	<1	<1	<5	<1
MW-39	04/20/05	3,680	23,200	3,050	16,800	66.0	2,120	<20
MW-40	04/20/05	1,940	7,660	3,880	5,220	1.8	1,140	<1
MW-41	04/20/05	869	8,580	462	2,370	<1	182	<1
MW-42	04/20/05	16.0	2,460	546	2,980	<1	124	<1
MW-43	03/24/05	<1	<1	<1	<1	<1	<5	<1
MW-43	04/21/05	<1	1	<1	<1	<1	<5	<1
MW-44	03/24/05	<1	<1	<1	<1	<1	<5	<1
MW-44	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-45	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-46	04/21/05	<1	<1	<1	<1	<1	<5	<1

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Napthalenes	1,2 DCA
MW-47	04/21/05	**5.8**	<1	<1	7.5	<1	<5	<1
MW-48	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-49	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-50	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-51	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-52	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-53	04/21/05	1.3	<1	<1	<1	<1	<5	<1
MW-54	04/21/05	**139**	<1	<1	2.8	14.8	<5	<1
MW-55	04/21/05	**213**	<1	5.8	<1	**329**	16.9	18.6
MW-56	03/22/05	<1	<1	<1	<1	<1	<5	NS
	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-57	03/22/05	**2,500**	**1,900**	360	1,400	**970**	**<50**	NS
	04/21/05	**8,390**	**5,400**	**1,170**	**4,390**	**1,590**	**240**	<1
MW-58	04/21/05	**5,920**	162	380	159	**442**	**218**	<1
MW-59	03/22/05	<1	<1	<1	<1	<1	<5	NS
	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-60	04/21/05	1.0	<1	<1	<1	<1	<5	<1
DW-1	10/27/03	<1	4.1	1.7	9	<1	<5	NS
	04/20/05	<1	<1	<1	<1	<1	<5	<1
DW-2	10/27/03	2.0	1.6	<1	1.6	4.6	<5	NS
	04/20/05	3.1	6.7	1.1	5.8	4.8	<5	<1
DW-3	12/30/03	**7,160**	**5,320**	**1,130**	2,660	**2,260**	**256**	<1
	04/20/05	**6,350**	**4,600**	265	2,400	**5,350**	**86.7**	<1
DW-4	04/21/05	**74.0**	380	102	524	11.5	**48.0**	9.5
DW-5	04/21/05	2.8	6.4	1.4	1.8	<1	<5	1.9
DW-6	04/20/05	<1	3.2	<1	3.2	<1	<5	<1
DW-7	04/21/05	**87.0**	69.4	11.2	33.1	17.2	8.0	<1
DW-8	04/21/05	<1	<1	<1	<1	<1	<5	<1
Creek	11/18/03	<1	<1	<1	<1	1	<5	NS
SW-1	04/21/05	**200**	38.1	11.7	28.8	**143**	<5	4.7
DW-9	05/17/05	**6.8**	1.5	<1	<1	<1	<5	NS
MW-61	05/17/05	<1	<1	<1	<1	<1	<5	NS
MW-62	05/17/05	<1	<1	<1	<1	<1	<5	NS
MW-63	05/17/05	<1	<1	<1	<1	<1	<5	NS
MW-64	05/17/05	**2,460**	76.6	382	48.8	**444**	**151**	NS
MW-65	05/17/05	**2,860**	**2,610**	**1,760**	1,720	**43.7**	**745**	NS
MW-66	05/17/05	3.8	2.3	5.2	318	<1	**80.1**	NS
MW-67	05/17/05	<1	<1	<1	2.6	<1	<5	NS
MW-68	05/18/05	**6.6**	<1	<1	<1	<1	<5	NS
MW-69	05/18/05	<1	<1	<1	<1	<1	<5	NS
MW-70	05/18/05	<1	<1	<1	<1	<1	<5	NS

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56438
Sample ID: SW-1
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 16:45
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	200.	ug/l	1.0	1.0	4/24/05	17:43	A. Bruton	8260B	9
Toluene	38.1	ug/l	1.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Ethylbenzene	11.7	ug/l	1.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Xylenes (Total)	28.8	ug/l	1.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Methyl-t-butyl ether	143.	ug/l	1.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Naphthalene	ND	ug/l	5.00	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
tert-amyl methyl ether	11.0	ug/L	1.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Tertiary butyl alcohol	37.0	ug/l	10.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
1,2-Dichloroethane	4.70	ug/l	1.00	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Ethanol	ND	ug/L	100.	1.0	4/24/05	17:43	A. Bruton	8260B	9270
t-Amyl Alcohol	422.	ug/L	10.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
t-Butyl Formate	ND	ug/L	10.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Ethyl-t-butyl alcohol	38.9	ug/L	10.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Diisopropyl ether	67.2	ug/l	5.00	1.0	4/24/05	17:43	A. Bruton	8260/SA05-77	9270
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/28/05	23:40	M. Ricke	8011	6591
METALS									
Lead	ND	ug/l	5.0	1.0	4/25/05	12:57	K. Ahmed	6010B	7413

Sample report continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

Laboratory Number: 05-A56438
Sample ID: SW-1
Project: C-04-12-009

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	86.	70. - 130.
VOA Surr Toluene-d8	86.	78. - 121.
VOA Surr, 4-BFB	107.	78. - 126.
VOA Surr, DBFM	87.	79. - 122.
Surr., 1,3-DCB	104.	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 9295729
Client Project ID: University Mart/07584/24767

Lab Sample No: 925705329 Project Sample Number: 9295729-010 Date Collected: 06/02/05 16:00
Client Sample ID: ST-1 Matrix: Water Date Received: 06/03/05 09:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
GC/MS VOCs by 8260	Method: EPA 8260								
Benzene	390	ug/l	25.	5.0	06/06/05 02:05	MSF	71-43-2		
Ethylbenzene	31.	ug/l	5.0	1.0	06/06/05 02:05	MSF	100-41-4		
Methyl-tert-butyl ether	140	ug/l	5.0	1.0	06/06/05 02:05	MSF	1634-04-4		
Naphthalene	5.3	ug/l	5.0	1.0	06/06/05 02:05	MSF	91-20-3		
Toluene	110	ug/l	5.0	1.0	06/06/05 02:05	MSF	108-88-3		
m&p-Xylene	41.	ug/l	10.	1.0	06/06/05 02:05	MSF			
o-Xylene	26.	ug/l	5.0	1.0	06/06/05 02:05	MSF	95-47-6		
Toluene-d8 (S)	99	%		1.0	06/06/05 02:05	MSF	2037-26-5		
4-Bromofluorobenzene (S)	96	%		1.0	06/06/05 02:05	MSF	460-00-4		
Dibromofluoromethane (S)	89	%		1.0	06/06/05 02:05	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	91	%		1.0	06/06/05 02:05	MSF	17060-07-0		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 9295729
Client Project ID: University Mart/07584/24767

PARAMETER FOOTNOTES

Dilution factor shown represents the factor applied to the reported result and reporting limit due to changes in sample preparation, dilution of the extract, or moisture content

Method 9071B modified to use ASE.

All pH, Free Chlorine, Total Chlorine and Ferrous Iron analyses conducted outside of EPA recommended immediate hold time.

Depending on the moisture content the PRLs can be elevated for all soil samples reported on a dry weight basis.

2-Chloroethyl vinyl ether has been shown to degrade in the presence of acid.

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
(S)	Surrogate
[1]	Analysis conducted in excess of EPA recommended holding time.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

JUN 0 1 2005

SHERRI STABEL
PACE ANALYTICAL SERVICES
9800 KINCEY AVE STE 100
HUNTERSVILLE NC 28078

Re: Laboratory Analyses
Bid # SB-19780-6/11/02-EMW, PO # 416276

Dear Ms. Stabel:

Under the terms and conditions of the referenced bid package, analytical sampling has been approved for the referenced facility. The facility has been assigned an individual Cost Agreement (CA) number as listed below. Please reference the CA number and Purchase Order #416276 on the appropriate invoice submitted for payment against the facility. SCDHEC personnel will perform the sampling on June 1 and 2, 2005.

UST Permit #	County	Analyses-Groundwater	CA #	Bottles (Y/N)	Date Needed
07584	Richland	1-BTEX, Naph, MTBE (8260), 9-EDB, Sulfate, Nitrate, Ferrous Iron	24767:P	Y	As soon as possible & Small cooler

If you have any questions or need further assistance, please contact me at (803) 896-6669 or (800) 826-5435 (within SC only).

Sincerely,

Arthur Shrader, Hydrogeologist
Assessment Section
Assessment & Corrective Action Division

Enc: Approved Cost Agreement

cc: Debra Thoma, State Lead & Field Services
Technical/Read File

UST PROGRAM
DOCKETING # 143 Tech

Approved Cost Agreement 24767

Facility: 07584 UNIVERSITY MART
SHRADEAA
PO Number:

Task / Description	Categories	Item Description	Qty / Pct	Unit Price	Amount
11 ANALYSES					
	GW GROUNDWATER	A BTEX+NAPTH+MTBE	1.0000	30.00	30.00
		F EDB	9.0000	40.00	360.00
		K NITRATE	9.0000	10.00	90.00
		L SULFATE	9.0000	10.00	90.00
		M FERROUS IRON	9.0000	10.00	90.00
			Total Amount		660.00

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

May 26, 2005

RICHARD E FAY
2020 CHARLOTTE PLAZA
201 SOUTH COLLEGE STREET
CHARLOTTE NC 28244-2020

Re: University Mart, Simba Express #2 (Former Handy Pantry #65), 2367 Taylor Street, Columbia, SC
UST Permit #07584
Release Reported April 17, 1998
Tier II Assessment Report received May 25, 2005
Richland County

Dear Mr. Fay:

According to Program records, Acme Petroleum and Fuel Company reported a release to SCDHEC at the referenced facility on April 17, 1998. Therefore, in accordance with Section 44-2-40(D) of the State Underground Petroleum Environmental Response Bank (SUPERB) Act, Acme Petroleum and Fuel Company is responsible for the first $25,000 of site rehabilitation costs. However, the UST Program understands that Acme Petroleum and Fuel Company has filed chapter 11 bankruptcy.

The UST Program notified you that in January 20054 that order to protect human health and the environment, the Underground Storage Tank (UST) Program directed assessment activities to determine the extent of petroleum contamination at the referenced facility. A copy of the report is enclosed for you information. Based on this assessment, cleanup of the free phase gasoline on the top of the water table and impacted creek will be necessary. Your will be informed of the total cost once cleanup activities are completed; however, the UST Program expects to seek cost recovery for the entire $25,000 deductible.

On all correspondence regarding this site, please reference UST permit number 07584. If you have questions concerning this correspondence, or would like to submit additional information, please contact me at (803) 896-6669 or fax me at (803) 896-6245.

Sincerely,

Arthur Shrader, Hydrogeologist
Assessment Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land & Waste Management

UST PROGRAM DOCKETING # 44Tech

Enc: Copy of Text, Tables and Figures for Tier II Assessment Report by Consultech Environmental, Inc. dated May 20, 2005

cc: Mr. Overton, Acme Petroleum and Fuel Company, 543 Cox Road, Ste C, Gastonia, SC 28054 (with enc.)
Technical File (without enc.)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

May 26, 2005

MR MAHESH PATEL
FAST POINT FOOD STORES
2811 REIDVILLE RD STE 11
SPARTEANBURG SC 29301-3227

Re: University Mart (Former Handy Pantry #65), 2367 Taylor Street, Columbia, SC
UST Permit #07584 and #18389
Tier II Assessment Report received May 25, 2005
Richland County

Dear Mr. Patel:

As you may be aware, an environmental assessment was conducted at the referenced facility by Consultech Environmental Incorporated to determine the severity and extent of the petroleum release. As part of the assessment, several existing and two newly installed groundwater-monitoring wells were sampled on this facility and adjacent properties. The analytical results indicate that the wells on your property contain elevated levels of petroleum chemicals of concern. Since the impacted groundwater is over 25 feet below the ground surface, there is no current risk. A copy of the report is attached for your information. The SCDHEC anticipates corrective action to reduce the concentrations to acceptable levels of these petroleum constituents will be required in the future. Your continued cooperation is appreciated.

On all correspondence regarding this site, please reference UST permit number 07584. Please feel free to contact me at (803) 896-6669 or (800) 826-5435 (within SC only), if you have questions or need additional information.

Sincerely,

Arthur Shrader, Hydrogeologist
Assessment Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

enc: Copy of Tier II Assessment Report (Text, Tables and Figures)

cc: Technical File (w/o enc.)

UST PROGRAM
DOCKETING # 145 Tech

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

JUL 25 2006

MR RICHARD FAY
2020 CHARLOTTE PLAZA
201 S COLLEGE ST
CHARLOTTE NC 28244-2020

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Corrective Action Plan Received July 21, 2006
Richland County

Dear Mr. Fay:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

LOCKETING # 17 TECH

enc: Public Notice (copy)
Citizens Guides (3)

cc: Mr. Pete Overton, Acme Petroleum & Fuel Company, 543 Cox Rd., Ste C., Gastonia, SC 28054 (w/ enc)
Technical File (without enclosure)

D H E C
PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MR ANDREW DIGGINS
PROVIDENCE HOSPITAL
2345 FOREST DR
COLUMBIA SC 29204

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Corrective Action Plan Received July 21, 2006
Richland County

Dear Mr. Diggins:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. The installation of extraction and injection wells on Providence Hospital property is necessary as part of the corrective action. PEG is required to coordinate any activity on the property with you. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 18 Tech

enc: Public Notice (copy)
Citizens Guides (3)

cc: Tom Pollard, Esq., Nixon, Privit Law Firm, PO Drawer 2426, Columbia, SC 29202 (w/ enc)
Technical File (w/o enc)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MRS WALLACE SCOTT
76 WHITEFORD WAY
LEXINGTON SC 29072

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Corrective Action Plan Received July 21, 2006
Richland County

Dear Mrs. Scott:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 79-Teca

enc: Public Notice (copy)
Citizens Guides (3)

cc: Technical File (without enclosure)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

CHANG MOON SUENG
2358 TAYLOR ST
COLUMBIA SC 29204

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Tax Map # R11411-01-01
Corrective Action Plan Received July 21, 2006
Richland County

Dear Mr. Sueng:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. You may observe limited drilling, trenching, and construction activities by PEG at the referenced properties. Periodic sampling of the monitoring wells on your property will be necessary. You will be informed of the results. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 80 Tech

enc: Public Notice (copy)
Citizens Guides (3)

cc: Technical File (without enclosure)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MS LINDA WARREN
1527 LYON ST
COLUMBIA SC 29204

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Tax Map # R11411-03-01 & R11411-03-02
Corrective Action Plan Received July 21, 2006
Richland County

Dear Ms. Warren:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. You may observe limited drilling, trenching, and construction activities by PEG at the referenced properties. Periodic sampling of the monitoring wells on your property will be necessary. You will be informed of the results. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 81 Tech

enc: Public Notice (copy)
Citizens Guides (3)

cc: Technical File (without enclosure)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

GILBERT WALKER
COLUMBIA HOUSING AUTHORITY
PO BOX 4307
COLUMBIA SC29204

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Tax Map # R11411-04-01
Corrective Action Plan Received July 21, 2006
Richland County

Dear Mr. Walker:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. You may observe limited drilling, trenching, and construction activities by PEG at the referenced properties. Periodic sampling of the monitoring wells on the Housing Authority property will be necessary. You will be informed of the results. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

UST PROGRAM
DOCKETING # 8J Tech

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

enc: Public Notice (copy)
Citizens Guides (3)
cc: Technical File (without enclosure)

D H E C
PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

SYLVAN FOOD SYSTEMS INC
1245 BOSTON AVE
WEST COLUMBIA SC 29170

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Tax Map # R11408-10-32
Corrective Action Plan Received July 21, 2006
Richland County

Dear Sir or Madam:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. The installation of extraction and injection wells on your property may be necessary as part of the corrective action. PEG is required to coordinate any activity on your property with you. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM DOCKETING# 83Tech

enc: Public Notice (copy)
Citizens Guides (3)

cc: Kentucky Fried Chicken, 2349 Taylors St., Columbia, SC 29204 (w/ enc)
Technical File (without enclosure)

D H E C
PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

WL BOYD III
455 ALEXANDER CIR
COLUMBIA SC 29206

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Tax Map # R11411-02-02
Corrective Action Plan Received July 21, 2006
Richland County

Dear Mr. Boyd:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. The installation of extraction and/or injection wells on your property may be necessary as part of the corrective action. PEG is required to coordinate any activity on the property with you. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 84 Tech

enc: Public Notice (copy)
Citizens Guides (3)

cc: Mr. Pope D. Johnson III, McCutchen, Blanton, Johnson & Barnette LLP, PO Drawer 11209, Columbia SC 29211-1209 (w/ enc)
Technical File (without enclosure)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

DR DAVID H SWINTON
BENEDICT COLLEGE
1600 HARDEN STREET
COLUMBIA SC 29204

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Tax Map # R11408-10-31, 11408-10-11, 11407-06-01, 11407-06-03, & 11407-06-02
Corrective Action Plan Received July 21, 2006
Richland County

Dear Dr. Swinton:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. The installation of extraction and injection wells on Benedict College property is necessary as part of the corrective action. PEG is required to coordinate any activity on the property with you. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

UST PROGRAM
DOCKETING # 85 Tech

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

enc: Public Notice (copy)
Citizens Guides (3)

cc: Technical File (without enclosure)

D H E C
PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MR MAHESH PATEL
FAST POINT FOOD STORES
2811 REIDVILLE RD STE 11
SPARTANBURG SC 29301-3227

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Tax Map # R11412-10-16
Corrective Action Plan Received July 21, 2006
Richland County

Dear Mr. Patel:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. The installation of extraction and injection wells on your property is necessary as part of the corrective action. PEG is required to coordinate any activity on your property with you. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 86 Tech

enc: Public Notice (copy)
Citizens Guides (3)

cc: Technical File (without enclosure)

D H E C
PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MS BETTE GORDON BATEMAN
C/O JESSE REESE
PO BOX 1026
COLUMBIA SC 29201

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Tax Map # R11411-02-01
Corrective Action Plan Received July 21, 2006
Richland County

Dear Ms. Bateman:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. The installation of extraction and injection wells on your property may be necessary as part of the corrective action. PEG is required to coordinate any activity on your property with you. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 87 Tech

enc: Public Notice (copy)
Citizens Guides (3)

cc: Technical File (without enclosure)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MR JAMES MORRISON JR
1014 LAURENS ST
COLUMBIA SC 29201

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Tax Map # R11411-02-03
Corrective Action Plan Received July 21, 2006
Richland County

Dear Mr. Morrison:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. The installation of extraction and injection wells on your property is necessary as part of the corrective action. PEG is required to coordinate any activity on your property with you. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 88-Tech

enc: Public Notice (copy)
Citizens Guide (3)

cc: Technical File (without enclosure)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

JAMES & MARILYN BUNDRICK
217 PALMER DR
LEXINGTON SC 29072

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Tax Map # R11411-01-02
Corrective Action Plan Received July 21, 2006
Richland County

Dear Mr. and Mrs. Bundrick:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. The installation of extraction and injection wells on your property may be necessary as part of the corrective action. PEG is required to coordinate any activity on the property with you. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST FAC... DOCKETING # 89 Tech

enc: Public Notice (copy)
Citizens Guides (3)

cc: Technical File (without enclosure)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MR JOE SUDDETH
302 BIDDLE RD
COLUMBIA SC 29212

JUL 25 2006

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Tax Map # R11411-01-03
Corrective Action Plan Received July 21, 2006
Richland County

Dear Mr. Suddeth:

As you may be aware, petroleum products have been identified in the soil and groundwater at the referenced facilities. To prevent the release from becoming an unacceptable risk, Palmetto Environmental Group, Inc. (PEG) has been retained to initiate corrective action of the impacted soil and groundwater using vacuum extraction, air sparging and soil vapor extraction, and chemical oxidation followed by natural attenuation. A copy of the Corrective Action Plan (CAP) has been sent to you by PEG. Please contact me if you do not receive the CAP.

Section 280.67 of the South Carolina Underground Storage Tank Regulations requires the SCDHEC to provide notice to those members of the public that may be affected by a planned corrective action. A copy of the public notice is enclosed for your information. You may observe limited drilling, trenching, and construction activities by PEG at the referenced properties. Periodic sampling of the monitoring wells on your property will be necessary. You will be informed of the results. Your continued cooperation is appreciated.

If you have any questions or comments regarding the proposed corrective action, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov. All comments should be submitted on or before August 17, 2006.

Sincerely,

UST PROGRAM
DOCKETING # 90Tech

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

enc: Public Notice (copy)
Citizens Guides (3)

cc: Technical File (without enclosure)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

JUL 13 2006

MR NICHOLAS BOUDREAUX
F & R
310 HUBERT ST
RALEIGH NC 27603

Re: University Mart, 2367 Taylor St., Columbia SC
UST Permit # 07584
Request received July 11, 2006
Richland County

UST PROGRAM
DOCKETING # _____

Dear Mr. Boudreaux:

You requested that this office provide you with an update on the environmental conditions at the above referenced facility.

We received a report on January 30, 1991 and on April 17, 1998 documenting petroleum contamination in the subsurface in the vicinity of the former underground storage tanks. Our records revealed that three underground storage tanks (USTs) owned by Pacemaker Leasing Corporation and operated by Acme Petroleum and Fuel Company were removed in March 1999. In response to the initial report of contamination, we directed Acme Petroleum and Fuel Company, as the party responsible for performing this activity under state and federal law, to assess the extent and severity of the contamination. The releases have been assessed, and a bid for remediation has been awarded to Palmetto Environmental Group. A Corrective Action Plan for remediation is due July 17, 2006.

The January 30, 1991 release of petroleum products from the USTs is qualified to receive funding under the conditions of the State Underground Petroleum Environmental Response Bank (SUPERB) Act. This means that reasonable costs up to $1,000,000 can be paid by the SUPERB account for site rehabilitation actions associated with this release. The April 17, 1998 release is qualified to receive funding under the conditions of the SUPERB Act after the $25,000 deductible has been met. As the Acme Petroleum and Fuel Company has filed for bankruptcy, the Department has determined that it is in the best interest of human health and the environment to proceed with assessment and remediation of the second release using SUPERB funds and will seek cost recovery against Acme Petroleum and Fuel Company.

Section 80(C) of the SUPERB Act provides that a subsequent purchaser of property from which an UST has been removed is not responsible for site rehabilitation activities other than abatement actions necessary to eliminate any imminent threat to human health or the environment. This exemption applies to the extent that the release is eligible for compensation from the SUPERB Account, provided that the person allows reasonable access to the property for rehabilitation activities, and does not or has not had any familial, financial, or other interest with the person who owned or operated the UST. This applies equally to subsequent lenders or to those who would acquire this property through foreclosure in the future.

UST PROGRAM
DOCKETING # 91 Tech

The Program is not aware of any laws or regulations that prohibit the use or development of properties where a petroleum release has occurred.

If you have any questions, please contact me at (803) 896-6676 or blockse@dhec.sc.gov.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

cc: Technical File

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

JUL 07 2006

JAMES L COOPER
PALMETTO ENVIRONMENTAL GROUP
PO BOX 427
ELGIN SC 29045

Re: UST Permit # 17630, Former Marilyn's Gas Station, 10701 Garners Ferry Rd., Columbia SC
UST Permit # 07584, University Mart, 2367 Taylor St., Columbia SC
Monitoring Well Replacement Reports received July 6, 2006
Richland County

Dear Mr. Cooper:

Please find enclosed copies of the monitoring well replacement reports for the former Marilyn's Gas Station (UST Permit # 17630) and University Mart (UST Permit # 07584). The wells were replaced by S&ME, Inc. on behalf of the South Carolina Department of Transportation.

If you have questions concerning this correspondence, feel free to contact me at (803) 896-6676, or blockse@dhec.sc.gov.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

Enc: Monitoring Well Replacement Reports

cc: Technical Files (w/o enc)

UST PROGRAM DOCKETING # 92 Tech

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MAY 0 8 2006

MR JAMES L COOPER
PALMETTO ENVIRONMENTAL GROUP
PO BOX 427
ELGIN SC 29045

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Corrective Action Award
Richland County

Dear Mr. Cooper:

As you are aware, the Underground Storage Tank Program has determined that active corrective action is necessary at the referenced facilities. On May 3, 2006, you were awarded the corrective action contract in the amount of $1,239,000.00 ($309,750.00 per release), which will be funded by the SUPERB Account. Per contract requirements, the corrective action plan and performance bond or letter must be submitted within 30 days of the award date (June 3, 2005) and the Initial Monitoring Report must be submitted within 45 days of the award date (June 18, 2005). Signed copies of the Right-of-Entry for the referenced facilities are enclosed. Please coordinate with each landowner for access and keep any inconveniences to the affected landowners to a minimum. Please also note that in accordance with the bid specifications, copies of all plans and reports should be sent to all affected property owners listed in the bid appendix.

If you have any questions or need additional information, please contact me by telephone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM DOCKETING # 93 Tech

Enc: Right of Entries
Approved Cost Agreements

Cc: Richard E. Fay, 2020 Charlotte Plaza, 201 South College St., Charlotte NC 28244-2020 (w/o enc)
Mr. Pete Overton, Acme Petroleum and Fuel Company, 543 Cox Rd. Ste. C, Gastonia SC 28054 (w/o enc)
Mr. Mahesh Patel, Fast Point Food Stores, 2811 Reidville Rd. Ste. 11, Spartanburg SC 29301-3227 (w/o enc)
Mrs. Wallace Scott, 76 Whiteford Way, Lexington SC 29072 (w/o enc)
Mr. Andrew Diggins, Providence Hospital, 2345 Forest Dr., Columbia SC 29204 (w/o enc)
Ms. Bette Gordon Bateman, c/o Jesse T. Reese, PO Box 1026, Columbia, SC 29201 (w/o enc)
W.L. Boyd III, 455 Alexander Cir., Columbia SC 29206 (w/o enc)
James A. & Marilyn L. Bundrick, 217 Palmer Dr., Lexington SC 29072 (w/o enc)
Mr. James Morrison Jr., 1014 Laurens St., Columbia SC 29201 (w/o enc)
Pope D. Johnson III, McCutchen Blanton Johnson & Barnette LLP, PO Drawer 11209, Columbia SC 29211-1209 (w/o enc)
Mr. Joe T. Suddeth, 302 Biddle Rd., Columbia SC 29212 (w/o enc)
Chang Moon Sueng, 2358 Taylor St., Columbia SC 29204 (w/o enc)
Dr. David H. Swinton, Benedict College, 1600 Harden St., Columbia SC 29204 (w/o enc)
Sylvan Food Systems Inc., 1245 Boston Ave., West Columbia SC 29170 (w/o enc)
Ms. Linda Warren, 1527 Lyon St., Columbia SC 29204 (w/o enc)
Gilbert Walker, Columbia Housing Authority, PO Box 4307, Columbia SC 29204 (w/o enc)
Technical Files (w/o enc)

SCDHEC/UST/5.2.06/SEB

Approved Cost Agreement 26503

Facility: 07584 UNIVERSITY MART
BLOCKSE

PO Number: 632354

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
22 CORRECTIVE ACTION						
		1	CAM/TI AND/OR OPERATE	1.0000	309,750.00	123,900.00
		2	25% REDUCTION IN COC	1.0000	309,750.00	46,462.50
		3	50% REDUCTION IN COC	1.0000	309,750.00	46,462.50
		4	75% REDUCTION IN COC	1.0000	309,750.00	30,975.00
		5	100% REDUCTION IN COC	1.0000	309,750.00	61,950.00
				Total Amount		309,750.00

Approved Cost Agreement 26524

Facility: 07584 UNIVERSITY MART
BLOCKSE

PO Number: 632354

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
22 CORRECTIVE ACTION						
		1	CAM/TI AND/OR OPERATE	1.0000	309,750.00	123,900.00
		2	25% REDUCTION IN COC	1.0000	309,750.00	46,462.50
		3	50% REDUCTION IN COC	1.0000	309,750.00	46,462.50
		4	75% REDUCTION IN COC	1.0000	309,750.00	30,975.00
		5	100% REDUCTION IN COC	1.0000	309,750.00	61,950.00
				Total Amount		309,750.00

Approved Cost Agreement 26505

Facility: 07777 CLOUDS CHEVRON
BLOCKSE

PO Number: 632355

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
22 CORRECTIVE ACTION						
		1	CAM/TI AND/OR OPERATE	1.0000	309,750.00	123,900.00
		2	25% REDUCTION IN COC	1.0000	309,750.00	46,462.50
		3	50% REDUCTION IN COC	1.0000	309,750.00	46,462.50
		4	75% REDUCTION IN COC	1.0000	309,750.00	30,975.00
		5	100% REDUCTION IN COC	1.0000	309,750.00	61,950.00
				Total Amount		309,750.00

Approved Cost Agreement 26[redacted]6

Facility: 12352 CLOUDS CHEVRON BLOCKSE

PO Number: 632356

Task / Description Categories	Item	Description	Qty / Pct	Unit Price	Amount
22 CORRECTIVE ACTION					
	1	CAM/TI AND/OR OPERATE	1.0000	309,750.00	123,900.00
	2	25% REDUCTION IN COC	1.0000	309,750.00	46,462.50
	3	50% REDUCTION IN COC	1.0000	309,750.00	46,462.50
	4	75% REDUCTION IN COC	1.0000	309,750.00	30,975.00
	5	100% REDUCTION IN COC	1.0000	309,750.00	61,950.00
				Total Amount	309,750.00

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health
and Environmental Control

UNDERGROUND STORAGE TANK PROGRAM
BUREAU OF LAND AND WASTE MANAGEMENT
2600 Bull Street
Columbia, SC 29201
Telephone (803) 896-6240

MEMORANDUM

Date: May 3, 2006

To: Matt Winslow
Bureau of Business Management

From: Laura Jean Pace, CGFO, CPM, Manager
Financial Section

Subject: Bid Award, IFB-29751-4/25/06-EMW
UST Permit # 07584, University Mart, Release 1; PO # R-29751
UST Permit # 07584, University Mart, Release 2; PO # R-29751
UST Permit # 07777, Clouds Chevron; PO # R-29752
UST Permit # 12352, Clouds Chevron; PO # R-29753

This Program has reviewed the submittals received April 26, 2006 for the referenced bid. As the proposed corrective action methodology can be permitted in South Carolina and the estimated time frame is protective of human health, the low bid submitted by Palmetto Environmental Group, Inc. is acceptable. The UST Program recommends immediate award to Palmetto Environmental Group, Inc.

Purchase order PO # R-29751 should be generated for one half of the accepted bid award amount, $309,750.00. Please note, the full amount of the bid award ($619,500.00) should be noted in the body of the generated purchase order.

Purchase order PO # R-29752 should be generated for one half of the accepted bid award amount, $154,875.00. Please note, the full amount of the bid award ($309,750.00) should be noted in the body of the generated purchase order.

Purchase order PO # R-29753 should be generated for one half of the accepted bid award amount, $154,875.00. Please note, the full amount of the bid award ($309,750.00) should be noted in the body of the generated purchase order.

The purchase orders should reference the corresponding facility indicated above. Please provide me a copy of the purchase orders.

cc: Christopher S. Doll, P.G., Manager, NESCCA Section
Susan Block, NESCCA Section
Technical File

UST PROGRAM
DOCKETING # 94Tech

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health
and Environmental Control

UNDERGROUND STORAGE TANK PROGRAM
BUREAU OF LAND AND WASTE MANAGEMENT
2600 Bull Street
Columbia, SC 29201
Telephone (803) 896-6240

MEMORANDUM

DATE: March 8, 2006

TO: Matt Winslow, Procurement Officer
Bureau of Business Management

FROM: Laura Jean Pace, CGFO, CPM, Manager lp
Financial Section

SUBJECT: Bid Request

Attached is a hard copy of the bid specifications for corrective action at UST Permit # 07584, # 07777, and # 12352. This bid package should be sent out in SCBO. The information is also on the enclosed disk under file name 07584 & 07777 & 12352 bid.doc. **This corrective action is funded by the SUPERB Fund.**

Purchase Requisition #29751 for UST Permit # 07584, Purchase Requisition #29752 for UST Permit # 07777, and Purchase Requisition #29753 for UST Permit # 12352 have been created on the AIMS System.

Please send a copy of the final bid package to me so that it can be placed in the technical file in the Freedom of Information Office as outlined in the bid specifications. If you have any questions, contact Susan Block at 896-6676.

cc: Chris Doll, P.G., Manager, NESCCA
Susan Block, NESCCA
Technical File

DHEC/UST/3.8.06

UST PROGRAM
DOCKETING # 95Tech

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MAR 07 2006

SYLVAN FOOD SYSTEMS INC
1245 BOSTON AVE
WEST COLUMBIA SC 29170

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Corrective Action Plan Received December 6, 2005
Richland County

Dear Sir or Madam:

You were previously notified by the South Carolina Department of Health and Environmental Control of the pending corrective action of the referenced releases by Consultech Environmental, Inc. The Department recently received notification from Consultech that they will be unable to fulfill the requirements of the remediation contract. As such, the proposed corrective action plan will not be approved. The Department plans to resolicit bids for remediation of the petroleum releases. When the contract has been awarded to a new contractor, you will be sent a new Corrective Action Plan (CAP).

If you have any questions or comments, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

cc: Kentucky Fried Chicken, 2349 Taylors St., Columbia, SC 29204
Technical File

UST PROGRAM
DOCKETING # 96TECH

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MAR 07 2006

MR RICHARD FAY
2020 CHARLOTTE PLAZA
201 S COLLEGE ST
CHARLOTTE NC 28244-2020

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Corrective Action Plan Received December 6, 2005
Richland County

Dear Mr. Fay:

You were previously notified by the South Carolina Department of Health and Environmental Control of the pending corrective action of the referenced releases by Consultech Environmental, Inc. The Department recently received notification from Consultech that they will be unable to fulfill the requirements of the remediation contract. As such, the proposed corrective action plan will not be approved. The Department plans to resolicit bids for remediation of the petroleum releases. When the contract has been awarded to a new contractor, you will be sent a new Corrective Action Plan (CAP).

If you have any questions or comments, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 97 Tech

cc: Mr. Pete Overton, Acme Petroleum & Fuel Company, 543 Cox Rd., Ste C., Gastonia, SC 28054
Technical File

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MAR 07 2006

MR ANDREW DIGGINS
PROVIDENCE HOSPITAL
2345 FOREST DR
COLUMBIA SC 29204

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Corrective Action Plan Received December 6, 2005
Richland County

Dear Mr. Diggins:

You were previously notified by the South Carolina Department of Health and Environmental Control of the pending corrective action of the referenced releases by Consultech Environmental, Inc. The Department recently received notification from Consultech that they will be unable to fulfill the requirements of the remediation contract. As such, the proposed corrective action plan will not be approved. The Department plans to resolicit bids for remediation of the petroleum releases. When the contract has been awarded to a new contractor, you will be sent a new Corrective Action Plan (CAP).

If you have any questions or comments, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 98-Tech

cc: Tom Pollard, Esq., Nixon, Privit Law Firm, PO Drawer 2426, Columbia, SC 29202
Technical File

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MAR 07 2006

MRS WALLACE SCOTT
76 WHITEFORD WAY
LEXINGTON SC 29072

Re: UST Permit # 07584, University Mart, 2367 Taylor St., Columbia, SC
Release 1 reported January 30, 1991; Release 2 Reported April 17, 1998
UST Permit # 07777, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 31, 1991
UST Permit # 12352, Clouds Chevron, 1600 Two Notch Rd., Columbia, SC
Release reported December 30, 1991
Corrective Action Plan Received December 6, 2005
Richland County

Dear Mrs. Scott:

You were previously notified by the South Carolina Department of Health and Environmental Control of the pending corrective action of the referenced releases by Consultech Environmental, Inc. The Department recently received notification from Consultech that they will be unable to fulfill the requirements of the remediation contract. As such, the proposed corrective action plan will not be approved. The Department plans to resolicit bids for remediation of the petroleum releases. When the contract has been awarded to a new contractor, you will be sent a new Corrective Action Plan (CAP).

If you have any questions or comments, please contact me by phone at (803) 896-6676, by fax at (803) 896-6245, or by email at blockse@dhec.sc.gov.

Sincerely,

Susan Block, G.I.T., Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

cc: Technical File

UST PROGRAM
DOCKETING # 99Tech

ARM ENVIRONMENTAL SERVICES, INC.

ASSESSMENT & REMEDIAL SERVICES DIVISION *www.armenv.com*

TRANSMITTAL COVER PAGE

RECEIVED

JUL 26 2005

UNDERGROUND STORAGE TANK PROGRAM

TO: Art Schrader
SCDHEC

FROM: Andrew M. Wilson, P.G.
ARM Environmental Services, Inc.

Re: Form 1903
Fast Point #23 07584
2367 Taylor Street
Columbia, SC

DATE: July 26, 2005

COMMENTS:

Art – Enclosed please find the referenced information. If you have any questions, please do not hesitate to contact me.

Thanks;

Andy Wilson

UST PROGRAM
DOCKETING # 140Tech

1210 1st STREET SOUTH EXTENSION / COLUMBIA, SC 29209 / phone (803)783-3314 fax (803)783-2587

App. ID 232

DHEC
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Fast Point (last) (first)
Address: 2811 Reidville Road
City: Spartanburg, SC State: Zip:
Telephone: Work: (864) 587-1009 Home:

2. LOCATION OF WELL: **COUNTY:**
Name: Fast Point #24
Street Address: 2367 Taylor
City: Columbia, SC Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☐ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Orange-Red Clay Silt	14.0	14.0
Orange-Red Fine Medium Sand	11.0	25.0
Orange Tan Kaolin Clay	4.0	29.0
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
RW-1A

6. TYPE: ☐ Mud Rotary ☐ Jetted ☑ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER: 07584

8. USE:
☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☐ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started:
29 ft. Date Completed:

10. CASING: ☑ Threaded ☐ Welded
Diam.: 4"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
4 in. to 9 ft. depth
_____ in. to _____ ft. depth
Height: Above ☐ Below ☑
Surface .5 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 4"
Slot/Gauge: 0.010 Length: 20"
Set Between: 9 ft. and 29 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☐ Yes ☐ No
Installed from 7 ft. to 29 ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☑ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From .5 ft. to 7 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type Former UST
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe ___ ft. Capacity ___ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Rannie WIlliamson **CERT. NO.:**
Address: (Print) Level: A B C D (circle one) ☑ ☐ ☐ ☐
1753 Old Stagecoach Rd., Camden, SC
Telephone No.: 803-713-6500 Fax No.: 803-424-8492

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Rannie Williamson Date: 7-25-05
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003) **COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)**

Application ID: 232

DHEC
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Fast Point (last) (first)
Address: 2811 Reidville Road Suite 11
City: Spartanbug State: SC Zip:
Telephone: Work: (864) 587-1009 Home:

2. LOCATION OF WELL: **COUNTY:** Richland
Name: Fast Point #24
Street Address: 2367 Taylor Street
City: Columbia, SC Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☐ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Light Brown F/M grained Sand	7.5	7.5
Red Clayey Fine grained Sand	7.5	15.0
Orange Clayey Fine grained Sand	5.0	20.0
White-Tan Medium grained Sand	5.0	25.0
Orange Medium grained Sand	9.0	34.0
Gray, Dense Clay	6.0	40.0
Tan-Lt Orange, F/M grained Sand	9.0	49.0
Orange Medium grained Sand	1.0	50.0
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
PW-1A

6. TYPE: ☐ Mud Rotary ☐ Jetted ☑ Bored
☐ Dug ☐ Air Rotary ☐ Driven
☐ Cable tool ☐ Other

7. PERMIT NUMBER: 07584

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 50 ft. Date Started: 4/12/05 Date Completed: 4/12/05

10. CASING: ☑ Threaded ☐ Welded
Diam.: 6
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
6 in. to 38 ft. depth
2 in. to 45 ft. depth
Height: Above ☐ Below ☐
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 5'
Set Between: 50 ft. and 45 ft. **NOTE: MULTIPLE SCREENS**
_____ ft. and _____ ft. **USE SECOND SHEET**
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 43 ft. to 50 ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 41 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type Former UST
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☑
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe ____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine
☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Rannie Williamson **CERT. NO.:** 335
Address: (Print) 1753 Old Stagecoach Rd, Camden, S
Level: A B C D (circle one) ☑ ☐ ☐ ☐
Telephone No.: 803-713-8300 Fax No.: 803-424-8492

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Rannie Williamson Date: 7-20-05
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003) **COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)**

Application ID: 232

DHEC
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Fast Point (last) (first)
Address: 2811 Reidville Road Suite 11
City: Spartanbug State: SC Zip:
Telephone: Work: (864) 587-1009 Home:

2. LOCATION OF WELL: **COUNTY:** Richland
Name: Fast Point #24
Street Address: 2367 Taylor Street
City: Columbia, SC Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☑ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Asphalt	.5	.5
Red Clay	4.5	5.0
Reddish-Tan Sandy Clay	9.5	15.0
Tan Clayey Sand	13.0	28.0
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
MW-5B

6. TYPE: ☐ Mud Rotary ☐ Jetted ☑ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER: 07584

8. USE:
☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 28 ft. Date Started: 4/12/05 Date Completed: 4/12/05

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 18 ft. depth
_____ in. to _____ ft. depth
Height: Above ☐ Below ☑
Surface .5 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10'
Set Between: 18 ft. and 28 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 16 ft. to 28 ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From .5 ft. to 14 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type Former UST
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not Installed ☑
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Rannie Williamson **CERT. NO.:** 335
Address: (Print) 1753 Old Stagecoach Rd, Camden, S
Level: A ☑ B ☐ C ☐ D ☐ (circle one)
Telephone No.: 803-713-8300 Fax No.: 803-424-8492

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Rannie Williamson Date: 7-20-05
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003) **COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)**

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

JUL 12 2005

SHERRI STABEL
PACE ANALYTICAL SERVICES
9800 KINCEY AVE STE 100
HUNTERSVILLE NC 28078

Re: Laboratory Analyses
Bid # SB-28234-6/7/05-EMW, PO # 587465

Dear Ms. Stabel:

Under the terms and conditions of the referenced bid package, analytical sampling has been approved for the referenced facilities. Each facility has been assigned an individual Cost Agreement (CA) number as listed below. Please reference the CA number and Purchase Order #587465 on the appropriate invoices submitted for payment against the facility. SCDHEC personnel will perform the sampling.

UST Permit #	Facility	Analyses-Groundwater	CA #	Bottles (Y/N)	Date Needed
08348	Dixie Tire	1-BTEXMN & EDB	24919	N	-----
07584	University Mart	10-Oxygenates & 1-EDB	25043	Y	7/13/05
01204	LC Smith Grocery	10-BTEXMN, EDB, & Oxygenates	24875	Y	7/18/05
06985	Dodges Store	24- BTEXMN & Oxygenates	24898	Y	7/18/05
00814	Ancrums Grocery	1-BTEXMN & EDB	24942	N	-----
01250	Frm Pats Cash	14-BTEXMN & Oxygenates	24876	Y	7/18/05
03766	Parth Inc	10-BTEXMN & Oxygenates	25006	Y	7/18/05

If you have any questions or need further assistance, please contact me at (803) 896-6397 or thomadl@dhec.sc.gov.

Sincerely,

Debra L Thoma

UST PROGRAM DOCKETING # 141 Tech

Debra L. Thoma, Hydrogeologist
Northeastern SC Corrective Action Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land & Waste Management

Enc: Approved Cost Agreements

cc: Technical File

Approved Cost Agreement 25943

Facility: 07584 UNIVERSITY MART
BLOCKSE
PO Number:

Task / Description	Categories	Item Description	Qty / Pct	Unit Price	Amount
11 ANALYSES					
	GW GROUNDWATER	F EDB	1.0000	27.00	27.00
		P 8 OXYGENATES	10.0000	70.00	700.00
			Total Amount		727.00

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health
and Environmental Control

UNDERGROUND STORAGE TANK PROGRAM
BUREAU OF LAND AND WASTE MANAGEMENT
2600 Bull Street, Columbia, South Carolina 29201
Telephone (803) 896-6240 Fax (803) 896-6245

MEMORANDUM

Date: June 20, 2005

To: Ernie Bell, Ph.D., District Health Director
Palmetto Health District

Ann Clark, Acting Director
Central Midlands EQC District

Tom B. Knight
Bureau of Water

Bruce Bleau
Bureau of Water

Nancy C. Whittle
EQC Administration

UST PROGRAM
DOCKETING # 142 Tech

From: Art Shrader, Hydrogeologist
Assessment Section
Assessment and Corrective Action Division

Subject: University Mart (Former Handy Pantry #65), 2367 Taylor Street, Columbia, SC
UST Permits #07504 & 18389
Former Cloud's Chevron, 1600 Two Notch Road, Columbia, SC
UST Permit #07777 & 12352

Both facilities are at the intersection of Taylor Street and Two Notch Road in Columbia. Handy Pantry # 65 is an operating petroleum marking facility. Four Underground Storage Tanks (USTs) were removed from the ground at Cloud's Chevron in May 1992. The Cloud's Chevron facility was subsequently purchased by the Sisters of Charity Providence Hospital and now is a parking lot for the hospital. On May 25, 2005, the UST Program received a report from Consultech Environmental Incorporated that benzene, toluene, ethylbenzene, xylenes, and Methyl-tert Butyl Ether (MtBE) were entering a tributary of Lake Katherine and Gills Creek. Laboratory analysis of a water grab sample collected on April 21, 2005 detected benzene at 200, toluene at 38.1, ethylbenzene at 11.7, xylenes at 28.8, and MtBE at 143 micrograms per liter (parts per billion). As groundwater samples from the monitoring wells adjacent to the stream had elevated petroleum constituents, the elevated petroleum levels in the tributary are believed to be from the UST systems. A confirmation sample was collected on June 2, 2005. Similar elevated levels of petroleum chemical of concern were detected. A copy of an extract of the assessment report to include the topographic map, site plan, well analysis, and laboratory reports for both sampling events is attached for your information.

The UST Program in the near future will procure the services of a certified contractor to perform active corrective action at both facilities to remove free phase product and reduce the levels of petroleum chemicals of concern. If you have any questions, please call me at (803) 896-6669.

Enc: Copy of a portion of Consultech Environmental Report received May 25, 2005
Laboratory results for Creek Samples Collected April 21, and June 2, 2005

cc: Technical file (without enclosures)

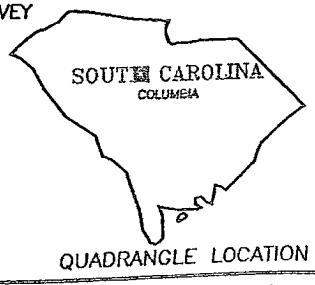


REFERENCE: COLUMBIA NORTH, SOUTH CAROLINA QUADRANGLE MAP, 7.5 MINUTE SERIES, U.S. GEOLOGIC SURVEY

SCALE 1 : 24,000

0 2,000 4,000

SCALE IN FEET



QUADRANGLE LOCATION

DRAWN: L.B.I.	DATE: 12/14/04
PROJECT: HANDY PANTRY #65,UST# 07584	
PROJECT: CLOUDS CHEVRON UST# 07777	
PROJECT No.: 04-12-008, 04-12-009	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 1
SITE LOCATION AND TOPOGRAPHIC MAP

CONSULTECH ENVIRONMENTAL, INC.

Environmental Consulting and Engineering

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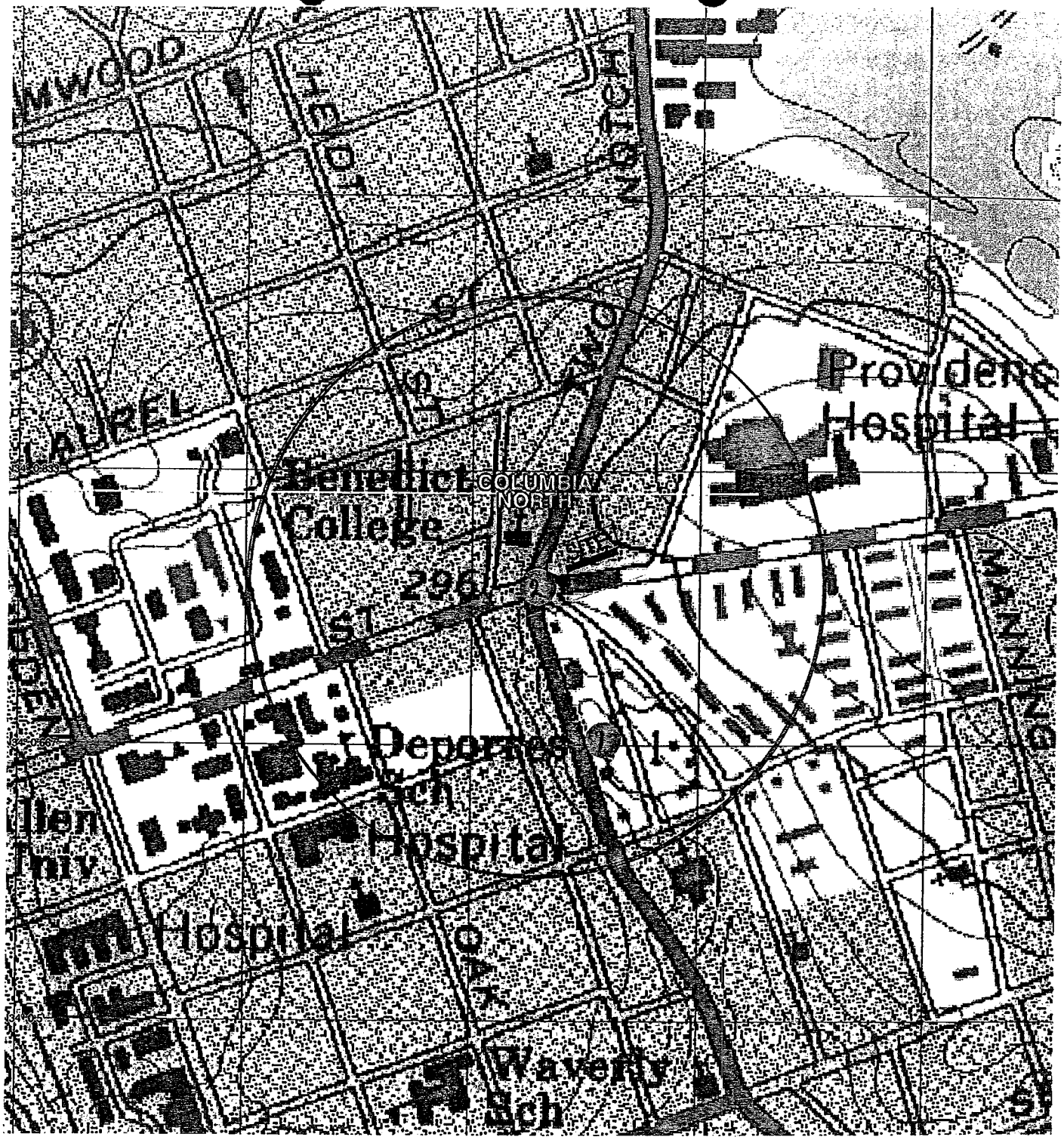
Delivering innovative solutions to today's environmental concerns

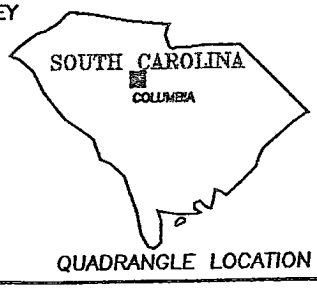


REFERENCE: COLUMBIA NORTH, SOUTH CAROLINA QUADRANGLE MAP, 7.5 MINUTE SERIES, U.S. GEOLOGIC SURVEY

SCALE 1" : 6,400"

0 500 1,000

SCALE IN FEET



QUADRANGLE LOCATION

DRAWN: C.M.E.	DATE: 05/23/05
PROJECT: HANDY PANTRY #65, UST#07584	
PROJECT: CLOUDS CHEVRON UST# 07777	
PROJECT No.: C-04-12-008, 04-12-009	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 3
SITE WITH POTENTIAL RECEPTORS AND TOPOGRAPHIC MAP

CONSULTECH ENVIRONMENTAL, INC.

Environmental Consulting and Engineering

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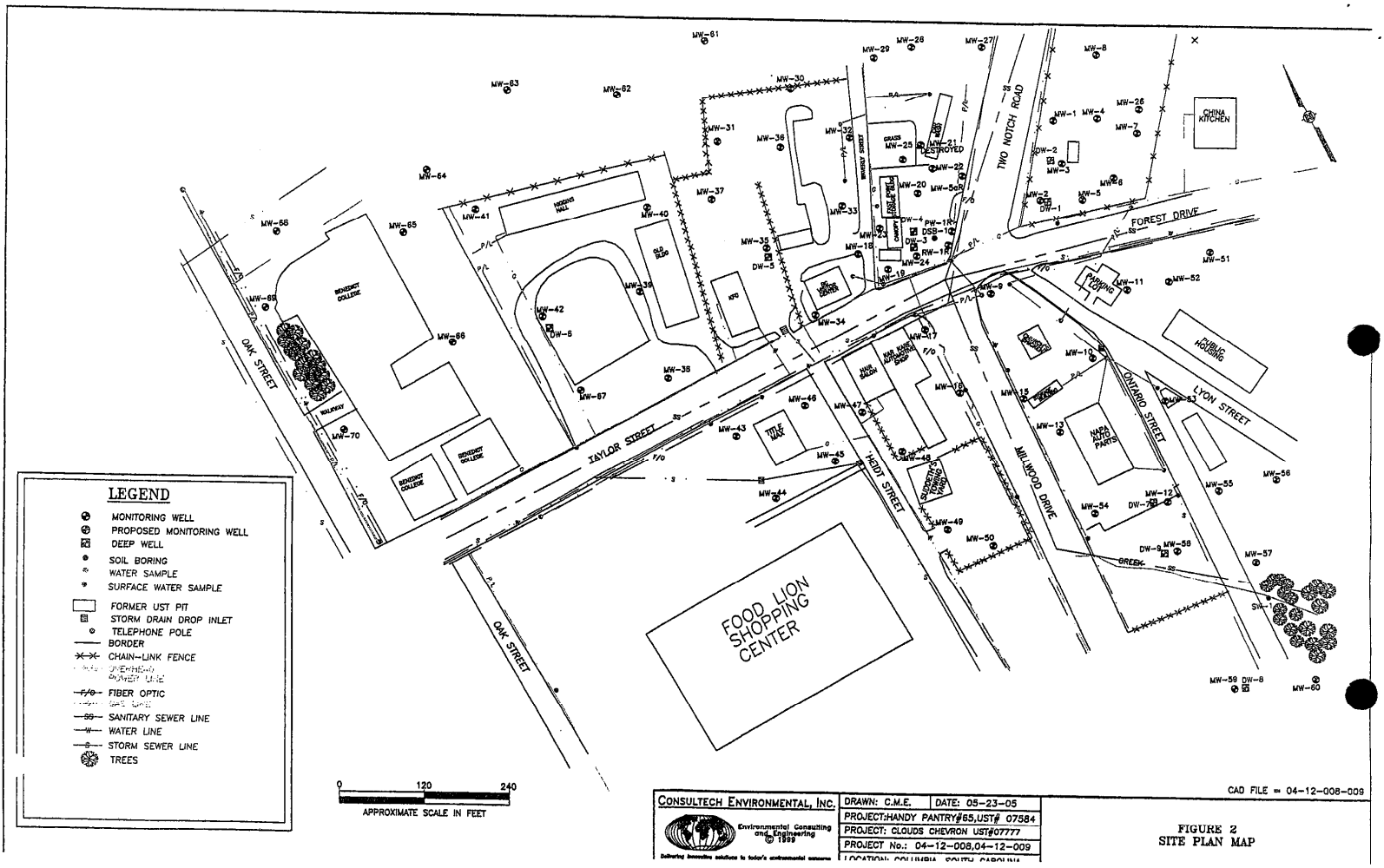
Delivering innovative solutions to today's environmental concerns



CONSULTECH ENVIRONMENTAL, INC.
Environmental Consulting and Engineering
Delivering Innovative solutions to today's environmental concerns

DRAWN: C.M.E.	DATE: 05-23-05
PROJECT: HANDY PANTRY #65, UST# 07584	
PROJECT: CLOUDS CHEVRON UST#07777	
PROJECT No.: 04-12-008,04-12-009	
LOCATION: COLUMBIA, SOUTH CAROLINA	

CAD FILE = 04-12-008-009

FIGURE 2
SITE PLAN MAP

Table 5
BTEX and PNA Groundwater Analytical Results (ug/l)
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Napthalenes	1,2 DCA
RBSL		*5*	*1,000*	*700*	*10,000*	*40*	*25*	*NA*
MW-1	11/18/03	<1	1.3	<1	1.6	<1	<5	NS
	04/19/05	<1	<1	<1	<1	<1	<5	<1
MW-2	11/18/03	**17,900**	**34,600**	**3,630**	**17,000**	**6,150**	**<250**	NS
	04/19/05	**4,230**	**9,910**	**1,250**	8,540	**4,910**	**1,410**	<1
MW-3	10/27/03	**11,300**	**72,500**	**3,980**	**20,800**	**20,200**	**870**	NS
	04/19/05	**5,620**	**14,200**	**2,940**	7,530	**10,900**	**910**	<5
MW-4	11/18/03	<1	1.8	<1	2.8	1.2	<5	NS
	04/19/05	<1	<1	<1	<1	2.6	<5	<1
MW-5	10/27/03	**779**	968	336	2,020	**89.5**	**1240**	NS
	04/19/05	**1,140**	**4,790**	**1,940**	**10,400**	13	**570**	<1
MW-6	11/18/03	**13.2**	3.8	<1	66.5	<1	<5	NS
	04/19/05	**16.1**	1.5	<1	119.0	<1	7.1	<1
MW-7	11/18/03	<1	<1	<1	<1	<1	<5	NS
	04/19/05	<1	<1	<1	<1	<1	<5	<1
MW-8	11/18/03	<1	<1	<1	<1	<1	<5	NS
	04/19/05	<1	<1	<1	<1	<1	<5	<1
MW-9	11/18/03	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	NS
	04/19/05	**2,280**	**9,010**	**773**	**5,230**	34.3	**900**	<1
MW-10	11/18/03	**.10' LPH**	**.10' LPH**	**.10' LPH**	**.10' LPH**	**.10' LPH**	**.10' LPH**	NS
	04/19/05	**6,200**	**23,800**	**3,320**	**33,200**	**890**	**1,440**	422
MW-11	11/18/03	**28.4**	46.4	1.2	9.3	<1	<5	NS
	04/19/05	**34.5**	20.0	2.0	8.0	<1	<5	<1
MW-12	11/18/03	**5,400**	125	489	203	**682**	**<50**	NS
	04/21/05	**8,550**	**4,000**	**1,460**	2,640	**69**	**314**	<1
MW-13	11/18/03	**120**	<1	17	43	8	<5	NS
	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-15	11/18/03	**.03' LPH**	**.03' LPH**	**.03' LPH**	**.03' LPH**	**.03' LPH**	**.03' LPH**	NS
	04/19/05	**565**	**1,950**	617	3,760	5.6	**859**	<1
MW-16	11/18/03	**436**	300	66	244	<10	**<50**	NS
	04/21/05	<1	1.6	<1	7.7	<1	<5	<1
MW-17	11/18/03	**.65' LPH**	**.65' LPH**	**.65' LPH**	**.65' LPH**	**.65' LPH**	**.65' LPH**	NS
	04/21/05	**4,720**	**32,600**	**4,440**	**23,700**	2.2	**620**	<1
MW-18	10/29/03	**.13' LPH**	**.13' LPH**	**.13' LPH**	**.13' LPH**	**.13' LPH**	**.13' LPH**	NS
	04/20/05	**6,910**	**17,400**	**2,530**	**13,800**	**8,920**	**1,580**	<10
MW-19	10/29/03	**.02' LPH**	**.02' LPH**	**.02' LPH**	**.02' LPH**	**.02' LPH**	**.02' LPH**	NS
	04/20/05	**18,200**	**63,600**	**2,980**	**16,300**	**962**	**2,290**	<10

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Napthalenes	1,2 DCA
MW-20	10/29/03	24,200	38,600	2,760	12,800	6,300	1,050	NS
	04/20/05	12,800	23,400	1,630	12,400	18000	1430	<10
MW-21	10/29/03	18.9	240	537	3,830	<1	116	NS
	04/20/05	destroyed	destroyed	destroyed	destroyed	destroyed	destroyed	destroyed
MW-22	11/25/03	30,000	48,200	6,550	31,900	1,560	3,380	NS
	04/20/05	800	3,640	126	760	1,800	148	<20
MW-23	11/25/03	43,000	85,500	4,140	85,000	5,800	1,140	NS
	04/20/05	1,770	1,250	195	1,650	1,390	140	<10
MW-24	11/25/03	35,000	37,600	2,760	12,300	7,750	595	NS
	04/20/05	1,340	1,520	98	1,730	610	66.5	<5
MW-25	10/29/03	10,300	37,400	3,300	17,600	80.0	1,080	NS
	04/20/05	6,900	41,800	7,800	45,600	17.7	3,180	<1
MW-26	11/25/03	<1	<1	<1	<1	<1	<5	NS
	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-5a	10/27/03	376	960	510	2,560	<1	89.8	NS
MW-5aR	04/20/05	2,250	3,100	1,500	7,740	2,500	796	<20
PW-1	10/29/03	3,230	90	343	924	1,850	290	NS
PW-1R	04/20/05	2,740	2,640	732	2,460	2,040	250	<1
RW-1	10/29/03	.01' LPH	.01' LPH	.01' LPH	.01' LPH	.01' LPH	.01' LPH	NS
RW-1R	04/20/05	9,700	17,000	2,800	7,150	3,100	932	<20
MW-27	04/20/05	<1	1	<1	<1	<1	<5	<1
MW-28	04/20/05	<1	<1	<1	<1	<1	<5	<1
MW-29	04/20/05	<1	<1	<1	<1	<1	<5	<1
MW-30	04/20/05	<1	<1	<1	<1	<1	<5	<1
MW-31	04/20/05	227	251	261	450	2.2	82.9	<1
MW-32	04/21/05	264	740	406	2,440	<5	176	6.5
MW-33	04/20/05	3,860	7,820	938	4,660	25.6	164	<1
MW-34	04/20/05	2,020	9,180	1,840	10,300	<1	1,060	<1
MW-35	04/20/05	4,090	4,060	296	1,590	1,730	238	<10
MW-36	04/20/05	302	621	165	427	3.7	29.4	<1
MW-37	04/20/05	764	1,750	780	1,870	<1	158	<1
MW-38	04/20/05	<1	<1	<1	<1	<1	<5	<1
MW-39	04/20/05	3,680	23,200	3,050	16,800	66.0	2,120	<20
MW-40	04/20/05	1,940	7,660	3,880	5,220	1.8	1,140	<1
MW-41	04/20/05	869	8,580	462	2,370	<1	182	<1
MW-42	04/20/05	16.0	2,460	546	2,980	<1	124	<1
MW-43	03/24/05	<1	<1	<1	<1	<1	<5	<1
MW-43	04/21/05	<1	1	<1	<1	<1	<5	<1
MW-44	03/24/05	<1	<1	<1	<1	<1	<5	<1
MW-44	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-45	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-46	04/21/05	<1	<1	<1	<1	<1	<5	<1

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Napthalenes	1,2 DCA
MW-47	04/21/05	**5.8**	<1	<1	7.5	<1	<5	<1
MW-48	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-49	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-50	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-51	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-52	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-53	04/21/05	1.3	<1	<1	<1	<1	<5	<1
MW-54	04/21/05	**139**	<1	<1	2.8	14.8	<5	<1
MW-55	04/21/05	**213**	<1	5.8	<1	**329**	16.9	18.6
MW-56	03/22/05	<1	<1	<1	<1	<1	<5	NS
	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-57	03/22/05	**2,500**	**1,900**	360	1,400	**970**	**<50**	NS
	04/21/05	**8,390**	**5,400**	**1,170**	**4,390**	**1,590**	**240**	<1
MW-58	04/21/05	**5,920**	162	380	159	**442**	**218**	<1
MW-59	03/22/05	<1	<1	<1	<1	<1	<5	NS
	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-60	04/21/05	1.0	<1	<1	<1	<1	<5	<1
DW-1	10/27/03	<1	4.1	1.7	9	<1	<5	NS
	04/20/05	<1	<1	<1	<1	<1	<5	<1
DW-2	10/27/03	2.0	1.6	<1	1.6	4.6	<5	NS
	04/20/05	3.1	6.7	1.1	5.8	4.8	<5	<1
DW-3	12/30/03	**7,160**	**5,320**	**1,130**	2,660	**2,260**	**256**	<1
	04/20/05	**6,350**	**4,600**	265	2,400	**5,350**	**86.7**	<1
DW-4	04/21/05	**74.0**	380	102	524	11.5	**48.0**	9.5
DW-5	04/21/05	2.8	6.4	1.4	1.8	<1	<5	1.9
DW-6	04/20/05	<1	3.2	<1	3.2	<1	<5	<1
DW-7	04/21/05	**87.0**	69.4	11.2	33.1	17.2	8.0	<1
DW-8	04/21/05	<1	<1	<1	<1	<1	<5	<1
Creek	11/18/03	<1	<1	<1	<1	1	<5	NS
SW-1	04/21/05	**200**	38.1	11.7	28.8	**143**	<5	4.7
DW-9	05/17/05	**6.8**	1.5	<1	<1	<1	<5	NS
MW-61	05/17/05	<1	<1	<1	<1	<1	<5	NS
MW-62	05/17/05	<1	<1	<1	<1	<1	<5	NS
MW-63	05/17/05	<1	<1	<1	<1	<1	<5	NS
MW-64	05/17/05	**2,460**	76.6	382	48.8	**444**	**151**	NS
MW-65	05/17/05	**2,860**	**2,610**	**1,760**	1,720	**43.7**	**745**	NS
MW-66	05/17/05	3.8	2.3	5.2	318	<1	**80.1**	NS
MW-67	05/17/05	<1	<1	<1	2.6	<1	<5	NS
MW-68	05/18/05	**6.6**	<1	<1	<1	<1	<5	NS
MW-69	05/18/05	<1	<1	<1	<1	<1	<5	NS
MW-70	05/18/05	<1	<1	<1	<1	<1	<5	NS

TestAmerica
ANALYTICAL TESTING CORPORATION

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800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

CONSULTECH ENVIRONMENTAL 2628
JIM WILSON
1800 MACLEOD DR, STE 150
LAWRENCEVILLE, GA 30043-5736

Project: C-04-12-009
Project Name: FORMER CLOUDS CHEVRON
Sampler: ROB ROBINSON

Lab Number: 05-A56438
Sample ID: SW-1
Sample Type: Water
Site ID:

Date Collected: 4/21/05
Time Collected: 16:45
Date Received: 4/22/05
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Benzene	200.	ug/l	1.0	1.0	4/24/05	17:43	A. Bruton	8260B	9
Toluene	38.1	ug/l	1.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Ethylbenzene	11.7	ug/l	1.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Xylenes (Total)	28.8	ug/l	1.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Methyl-t-butyl ether	143.	ug/l	1.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Naphthalene	ND	ug/l	5.00	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Ethyl-t-butylether	ND	ug/l	1.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
tert-amyl methyl ether	11.0	ug/L	1.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Tertiary butyl alcohol	37.0	ug/l	10.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
1,2-Dichloroethane	4.70	ug/l	1.00	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Ethanol	ND	ug/L	100.	1.0	4/24/05	17:43	A. Bruton	8260B	9270
t-Amyl Alcohol	422.	ug/L	10.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
t-Butyl Formate	ND	ug/L	10.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Ethyl-t-butyl alcohol	38.9	ug/L	10.0	1.0	4/24/05	17:43	A. Bruton	8260B	9270
Diisopropyl ether	67.2	ug/l	5.00	1.0	4/24/05	17:43	A. Bruton	8260/SA05-77	9270
VOLATILE ORGANICS by GC									
Ethylene Dibromide	ND	ug/l	0.02	1.0	4/28/05	23:40	M. Ricke	8011	6591
METALS									
Lead	ND	ug/l	5.0	1.0	4/25/05	12:57	K. Ahmed	6010B	7413

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A56438
Sample ID: SW-1
Project: C-04-12-009

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	86.	70. - 130.
VOA Surr Toluene-d8	86.	78. - 121.
VOA Surr, 4-BFB	107.	78. - 126.
VOA Surr, DBFM	87.	79. - 122.
Surr., 1,3-DCB	104.	83. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 9295729
Client Project ID: University Mart/07584/24767

Lab Sample No: 925705329 Project Sample Number: 9295729-010 Date Collected: 06/02/05 16:00
Client Sample ID: ST-1 Matrix: Water Date Received: 06/03/05 09:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
GC/MS VOCs by 8260	Method: EPA 8260								
Benzene	390	ug/l	25.	5.0	06/06/05 02:05	MSF	71-43-2		
Ethylbenzene	31.	ug/l	5.0	1.0	06/06/05 02:05	MSF	100-41-4		
Methyl-tert-butyl ether	140	ug/l	5.0	1.0	06/06/05 02:05	MSF	1634-04-4		
Naphthalene	5.3	ug/l	5.0	1.0	06/06/05 02:05	MSF	91-20-3		
Toluene	110	ug/l	5.0	1.0	06/06/05 02:05	MSF	108-88-3		
m&p-Xylene	41.	ug/l	10.	1.0	06/06/05 02:05	MSF			
o-Xylene	26.	ug/l	5.0	1.0	06/06/05 02:05	MSF	95-47-6		
Toluene-d8 (S)	99	%		1.0	06/06/05 02:05	MSF	2037-26-5		
4-Bromofluorobenzene (S)	96	%		1.0	06/06/05 02:05	MSF	460-00-4		
Dibromofluoromethane (S)	89	%		1.0	06/06/05 02:05	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	91	%		1.0	06/06/05 02:05	MSF	17060-07-0		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
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Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
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Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 9295729
Client Project ID: University Mart/07584/24767

PARAMETER FOOTNOTES

Dilution factor shown represents the factor applied to the reported result and reporting limit due to changes in sample preparation, dilution of the extract, or moisture content

Method 9071B modified to use ASE.

All pH, Free Chlorine, Total Chlorine and Ferrous Iron analyses conducted outside of EPA recommended immediate hold time.

Depending on the moisture content the PRLs can be elevated for all soil samples reported on a dry weight basis.

2-Chloroethyl vinyl ether has been shown to degrade in the presence of acid.

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
(S)	Surrogate
[1]	Analysis conducted in excess of EPA recommended holding time.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
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Charlotte Certification IDs
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NC Drinking Water 37706
SC 99006
FL NELAP E87627

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

JUN 0 1 2005

SHERRI STABEL
PACE ANALYTICAL SERVICES
9800 KINCEY AVE STE 100
HUNTERSVILLE NC 28078

Re: Laboratory Analyses
Bid # SB-19780-6/11/02-EMW, PO # 416276

Dear Ms. Stabel:

Under the terms and conditions of the referenced bid package, analytical sampling has been approved for the referenced facility. The facility has been assigned an individual Cost Agreement (CA) number as listed below. Please reference the CA number and Purchase Order #416276 on the appropriate invoice submitted for payment against the facility. SCDHEC personnel will perform the sampling on June 1 and 2, 2005.

UST Permit #	County	Analyses-Groundwater	CA #	Bottles (Y/N)	Date Needed
07584	Richland	1-BTEX, Naph, MTBE (8260), 9-EDB, Sulfate, Nitrate, Ferrous Iron	24767:P	Y	As soon as possible & Small cooler

If you have any questions or need further assistance, please contact me at (803) 896-6669 or (800) 826-5435 (within SC only).

Sincerely,

Arthur Shrader, Hydrogeologist
Assessment Section
Assessment & Corrective Action Division

Enc: Approved Cost Agreement

cc: Debra Thoma, State Lead & Field Services
Technical/Read File

UST PROGRAM
DOCKETING # 143 Tech

Approved Cost Agreement 24767

Facility: 07584 UNIVERSITY MART
SHRADEAA
PO Number:

Task / Description	Categories	Item Description	Qty / Pct	Unit Price	Amount
11 ANALYSES					
	GW GROUNDWATER	A BTEX+NAPTH+MTBE	1.0000	30.00	30.00
		F EDB	9.0000	40.00	360.00
		K NITRATE	9.0000	10.00	90.00
		L SULFATE	9.0000	10.00	90.00
		M FERROUS IRON	9.0000	10.00	90.00
			Total Amount		660.00

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

May 26, 2005

RICHARD E FAY
2020 CHARLOTTE PLAZA
201 SOUTH COLLEGE STREET
CHARLOTTE NC 28244-2020

Re: University Mart, Simba Express #2 (Former Handy Pantry #65), 2367 Taylor Street, Columbia, SC
UST Permit #07584
Release Reported April 17, 1998
Tier II Assessment Report received May 25, 2005
Richland County

Dear Mr. Fay:

According to Program records, Acme Petroleum and Fuel Company reported a release to SCDHEC at the referenced facility on April 17, 1998. Therefore, in accordance with Section 44-2-40(D) of the State Underground Petroleum Environmental Response Bank (SUPERB) Act, Acme Petroleum and Fuel Company is responsible for the first $25,000 of site rehabilitation costs. However, the UST Program understands that Acme Petroleum and Fuel Company has filed chapter 11 bankruptcy.

The UST Program notified you that in January 20054 that order to protect human health and the environment, the Underground Storage Tank (UST) Program directed assessment activities to determine the extent of petroleum contamination at the referenced facility. A copy of the report is enclosed for you information. Based on this assessment, cleanup of the free phase gasoline on the top of the water table and impacted creek will be necessary. Your will be informed of the total cost once cleanup activities are completed; however, the UST Program expects to seek cost recovery for the entire $25,000 deductible.

On all correspondence regarding this site, please reference UST permit number 07584. If you have questions concerning this correspondence, or would like to submit additional information, please contact me at (803) 896-6669 or fax me at (803) 896-6245.

Sincerely,

Arthur Shrader, Hydrogeologist
Assessment Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land & Waste Management

UST PROGRAM DOCKETING # 44Tech

Enc: Copy of Text, Tables and Figures for Tier II Assessment Report by Consultech Environmental, Inc. dated May 20, 2005

cc: Mr. Overton, Acme Petroleum and Fuel Company, 543 Cox Road, Ste C, Gastonia, SC 28054 (with enc.)
Technical File (without enc.)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

May 26, 2005

MR MAHESH PATEL
FAST POINT FOOD STORES
2811 REIDVILLE RD STE 11
SPARTEANBURG SC 29301-3227

Re: University Mart (Former Handy Pantry #65), 2367 Taylor Street, Columbia, SC
UST Permit #07584 and #18389
Tier II Assessment Report received May 25, 2005
Richland County

Dear Mr. Patel:

As you may be aware, an environmental assessment was conducted at the referenced facility by Consultech Environmental Incorporated to determine the severity and extent of the petroleum release. As part of the assessment, several existing and two newly installed groundwater-monitoring wells were sampled on this facility and adjacent properties. The analytical results indicate that the wells on your property contain elevated levels of petroleum chemicals of concern. Since the impacted groundwater is over 25 feet below the ground surface, there is no current risk. A copy of the report is attached for your information. The SCDHEC anticipates corrective action to reduce the concentrations to acceptable levels of these petroleum constituents will be required in the future. Your continued cooperation is appreciated.

On all correspondence regarding this site, please reference UST permit number 07584. Please feel free to contact me at (803) 896-6669 or (800) 826-5435 (within SC only), if you have questions or need additional information.

Sincerely,

Arthur Shrader, Hydrogeologist
Assessment Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

enc: Copy of Tier II Assessment Report (Text, Tables and Figures)

cc: Technical File (w/o enc.)

UST PROGRAM
DOCKETING # 145 Tech

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

May 26, 2005

MANAGER
KENTUCKY FRIED CHICKEN
2349 TAYLORS STREET
COLUMBIA SC 29204-7803

Re: University Mart (Former Handy Pantry #65), 2367 Taylor Street, Columbia, SC
UST Permit #07584 and #18389
Tier II Assessment Report received May 25, 2005
Richland County

Dear Sir:

As you may be aware, an environmental assessment was conducted at the referenced facility by Consultech Environmental Incorporated to determine the severity and extent of the petroleum release. As part of the assessment, several existing groundwater-monitoring wells were sampled on this facility and adjacent properties. The analytical results indicate that monitoring wells MW-9 and MW-10 on your property contain elevated levels of petroleum chemicals of concern. Since the impacted groundwater is over 25 feet below the ground surface, there is no current risk. A copy of the report is attached for your information. The SCDHEC anticipates corrective action will be required in the future to reduce the concentrations to acceptable levels of these petroleum constituents. Your continued cooperation is appreciated.

On all correspondence regarding this site, please reference UST permit number 07584. Please feel free to contact me at (803) 896-6669 or (800) 826-5435 (within SC only), if you have questions or need additional information.

Sincerely,

Arthur Shrader, Hydrogeologist
Assessment Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

enc: Copy of Tier II Assessment Report (Text, Tables and Figures)

cc: Technical File (w/o enc.)

UST PROGRAM DOCKETING # 146 Tech

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

May 26, 2005

MR JAMES A & MARILYN L BUNDRICK
217 PALMER DRIVE
LEXINGTON SC 29072

Re: University Mart (Former Handy Pantry #65), 2367 Taylor Street, Columbia, SC
UST Permit #07584 and #18389
Tier II Assessment Report received May 25, 2005
Richland County

Dear Mr. and Ms. Bundrick:

As you may be aware, an environmental assessment was conducted at the referenced facility by Consultech Environmental Incorporated to determine the severity and extent of the petroleum release. As part of the assessment, four monitoring wells were installed on your property. I am happy to report that monitoring wells MW-16, MW-47, and MW-48 do not contain any petroleum chemicals of concern. Monitoring well MW-17 contains elevated levels of petroleum chemicals of concern. A copy of the report is attached for your information. The SCDHEC anticipates these four wells will be sampled in the future. Your continued cooperation is appreciated.

On all correspondence regarding this site, please reference UST permit number 07584. Please feel free to contact me at (803) 896-6669 or (800) 826-5435 (within SC only), if you have questions or need additional information.

Sincerely,

Arthur Shrader, Hydrogeologist
Assessment Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

enc: Copy of Tier II Assessment Report (Text, Tables and Figures)

cc: Technical File (w/o enc.)

UST PROGRAM
DOCKETING # 147 Tech

D H E C
PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner
Promoting and protecting the health of the public and the environment.

May 26, 2005

MR JOE T SUDDETH
302 BIDDLE ROAD
COLUMBIA SC 29212

Re: University Mart (Former Handy Pantry #65), 2367 Taylor Street, Columbia, SC
UST Permit #07584 and #18389
Tier II Assessment Report received May 25, 2005
Richland County

Dear Mr. Suddeth:

As you may be aware, an environmental assessment was conducted at the referenced facility by Consultech Environmental Incorporated to determine the severity and extent of the petroleum release. As part of the assessment, two monitoring wells were installed on your property. I am happy to report that monitoring wells MW-49 and MW-50 do not contain any petroleum chemicals of concern. A copy of the report is attached for your information. The SCDHEC anticipates these two wells will be sampled in the future. Your continued cooperation is appreciated.

On all correspondence regarding this site, please reference UST permit number 07584. Please feel free to contact me at (803) 896-6669 or (800) 826-5435 (within SC only), if you have questions or need additional information.

Sincerely,

Arthur Shrader, Hydrogeologist
Assessment Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

enc: Copy of Tier II Assessment Report (Text, Tables and Figures)

cc: Technical File (w/o enc.)

UST PROGRAM
DOCKETING # 148 Tech

FAXED 679 377-0051

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, William L. Boyd III, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located Richland County Tax Parcel Number R11411-02-02, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

RECEIVED
MAR 02 2005
UNDERGROUND STORAGE TANK PROGRAM

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months; or
- Maintenance of the monitoring well(s).

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time the property owner may contact Consultech if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

Jessica Guthrie
Company Representative

1-17-05
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

Property Owner's Signature

W.L. Boyd III
Printed Name

UST PROGRAM DOCKETING # 149 Tech

Access Denied:

Property Owner's Signature

Printed Name

1800 MacLeod Drive, Suite F, Lawrenceville, GA 30043-5736
(678) 377-0400 • FAX: (678) 377-0051
www.consultechenv.com

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

Dear Property Owner:

In an effort to avoid hitting any underground utilities, we would appreciate it if you would provide us with a simple sketch of your property in the box below. The sketch should include all buildings, driveways, and other permanent fixtures. The sketch should also include any underground utilities (phone, fiber optic, sewer, water, natural gas and electric) on your property and their approximate position on your property. Also, another thing that would be helpful to us is to list the companies that your utilities are with that way we know we have all of the utility providers located in the area. This will help us to avoid those utilities when we are there doing work. Thanks.

Personally Don't Know.
Power - SC. Elect Gas
Water
Sewer) at yo to Columbia.

1800 MacLeod Drive, Suite F • Lawrenceville, GA 30043-5736
(678) 377-0400 • FAX: (678) 377-0051

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

JAN 20 2005

Retard letter

JAMES WILSON
CONSULTECH ENVIRONMENTAL
1800 MACLEOD DR STE F
LAWRENCEVILLE GA 30043-5736

Re: Simba Express #2 (Former Handy Pantry #65), 2367 Taylor Street, Columbia, SC
UST Permit #07584; CA #23764; MWA #UMW-18941
Bid Specification SB-26861-10/26/04-EMW; PO #557699
Tier II Plan received January 12, 2005
Richland County

Dear Mr. Wilson:

The Underground Storage Tank Program has reviewed the Tier II Assessment Plan and associated Cost Agreement for the referenced site. Assessment activities should begin immediately upon receipt of this letter.

Cost Agreement (CA) # 23764 has been approved in the amount shown on the enclosed cost agreement spreadsheet and will be kept on file so that compensation can begin. **The SCDHEC reserves the authority to pay only for work properly performed and/or technically justified and will only pay rates in accordance with bid number SB-26861-10/26/04-EMW.** Further, SCDHEC reserves the right to question and/or reject costs if deemed unreasonable. The SCDHEC reserves the right to audit project records at any time during the project or after completion of the work. **The Tier II Assessment Report (1 hardcopy and 1 electronic copy) and invoice should be submitted within 60 days from the date of this correspondence.**

The Bureau grants pre-approval for transportation of drums of virgin petroleum contaminated soil and/or drums of groundwater from the referenced site to a permitted treatment facility. The contaminated soil and/or groundwater must be properly stored in labeled 55-gallon drums or equivalent containers. The contaminated soil and/or groundwater must be accepted by the approved treatment facility. There can be no spillage or leakage in transport. A copy of the disposal manifest from the receiving facility that clearly designates the quantity received must be included in the report.

A copy of the approved assessment cost agreement is enclosed for your information. Future invoices and/or other criteria included therein must comply with current SUPERB criteria per Section 44-2-20(2). Please reference Cost Agreement Number 23764 on all pertinent invoices and correspondence. Please note that Sections 44-2-110(4) and 44-2-130(B) of the SUPERB Statute state that no costs will be allowed (considered for payment) unless prior approval from the Department is obtained. If for any reason there is a change in this cost agreement, any associated changes must be pre-approved by this Department in order for Consultech Environmental, Inc. to seek future cost compensation.

UST PROGRAM
DOCKETING # 150 Tech

Any item(s) not clearly or completely addressed in the report (SC certified driller's number, disposal manifest for soil cuttings, disposal manifests for generated ground water, etc.) WILL NOT be compensated by the SUPERB Account. As agreed to in the referenced contract, the owner/operator of the referenced facility will not be responsible for any costs associated with this assessment.

Monitoring well approval for twelve permanent monitoring wells and 800 feet of field screening is enclosed for your records. Please note that all applicable South Carolina certification requirements regarding laboratory analyses, well installation, and report preparation must be met.

On all correspondence regarding this site, please reference the UST permit number 07584 and cost agreement number 23764. If you have questions concerning this correspondence, or would like to submit additional information, please contact me at (803) 896-6669 or fax me at (803) 896-6245.

Sincerely,

Arthur Shrader, Hydrogeologist
Assessment Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land & Waste Management

enc: Approved Cost Agreement
Monitoring Well Approval

cc: Pacemaker Leasing Corporation, Inc. 543 Cox Rd., Ste. C, Gastonia, NC 28054 (w/o enc.)
Acme Petroleum and Fuel Company, PO Box 2359, Gastonia, NC 28053 (w/o enc.)
Technical File (w/ Monitoring Well Approval)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

JAN 20 2005

JAMES WILSON
CONSULTECH ENVIRONMENTAL
1800 MACLEOD DR STE F
LAWRENCEVILLE GA 30043-5736

Re: Simba Express #2 (Former Handy Pantry #65), 2367 Taylor Street, Columbia, SC
UST Permit #07584; CA #23764; MWA #UMW-18941
Bid Specification SB-26861-10/26/04-EMW; PO #557699
Tier II Plan received January 12, 2005
Richland County

Dear Mr. Wilson:

The Underground Storage Tank Program has reviewed the Tier II Assessment Plan and associated Cost Agreement for the referenced site. Assessment activities should begin immediately upon receipt of this letter.

Cost Agreement (CA) # 23764 has been approved in the amount shown on the enclosed cost agreement spreadsheet and will be kept on file so that compensation can begin. **The SCDHEC reserves the authority to pay only for work properly performed and/or technically justified and will only pay rates in accordance with bid number SB-26861-10/26/04-EMW.** Further, SCDHEC reserves the right to question and/or reject costs if deemed unreasonable. The SCDHEC reserves the right to audit project records at any time during the project or after completion of the work. **The Tier II Assessment Report (1 hardcopy and 1 electronic copy) and invoice should be submitted within 60 days from the date of this correspondence.**

The Bureau grants pre-approval for transportation of drums of virgin petroleum contaminated soil and/or drums of groundwater from the referenced site to a permitted treatment facility. The contaminated soil and/or groundwater must be properly stored in labeled 55-gallon drums or equivalent containers. The contaminated soil and/or groundwater must be accepted by the approved treatment facility. There can be no spillage or leakage in transport. A copy of the disposal manifest from the receiving facility that clearly designates the quantity received must be included in the report.

A copy of the approved assessment cost agreement is enclosed for your information. Future invoices and/or other criteria included therein must comply with current SUPERB criteria per Section 44-2-20(2). Please reference Cost Agreement Number 23764 on all pertinent invoices and correspondence. Please note that Sections 44-2-110(4) and 44-2-130(B) of the SUPERB Statute state that no costs will be allowed (considered for payment) unless prior approval from the Department is obtained. If for any reason there is a change in this cost agreement, any associated changes must be pre-approved by this Department in order for Consultech Environmental, Inc. to seek future cost compensation.

UST PROGRAM
DOCKETING # 151 Tech

Any item(s) not clearly or completely addressed in the report (SC certified driller's number, disposal manifest for soil cuttings, disposal manifests for generated ground water, etc.) WILL NOT be compensated by the SUPERB Account. As agreed to in the referenced contract, the owner/operator of the referenced facility will not be responsible for any costs associated with this assessment.

Monitoring well approval for twelve permanent monitoring wells and 800 feet of field screening is enclosed for your records. Please note that all applicable South Carolina certification requirements regarding laboratory analyses, well installation, and report preparation must be met.

On all correspondence regarding this site, please reference the UST permit number 07584 and cost agreement number 23764. If you have questions concerning this correspondence, or would like to submit additional information, please contact me at (803) 896-6669 or fax me at (803) 896-6245.

Sincerely,

Arthur Shrader, Hydrogeologist
Assessment Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land & Waste Management

enc: Approved Cost Agreement
Monitoring Well Approval

cc: Pacemaker Leasing Corporation, Inc. 543 Cox Rd., Ste. C, Gastonia, NC 28054 (w/o enc.)
Acme Petroleum and Fuel Company, PO Box 2359, Gastonia, NC 28053 (w/o enc.)
Technical File (w/ Monitoring Well Approval)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

Monitoring Well Installation Approval Form

Date of Issue: January 13, 2005 Approval No.: UMW-18941

Approval is hereby granted to:	Consultech Environmental, Incorporated
UST Permit #:	07584
Address:	Simba Express 2, 2367 Taylor Street, Columbia, SC
County:	Richland

This approval is for the construction of up to 800 feet of screening and up to 12 (10 shallow and two pit cased type III) groundwater monitoring wells in accordance with the construction plans and technical specifications outlined in the South Carolina Well Standards R. 61-71. The wells are to be constructed within the surficial aquifer for the intended purpose of monitoring groundwater quality and/or water level(s) at the referenced facility. Approval is provided with the following conditions:

1. The latitude and longitude, surveyed elevations, boring and/or geologist logs and actual (as built) construction details for each well will be submitted with the technical report.

2. Each well will be labeled with an identification plate constructed of a durable material affixed to the casing or surface pad where it is readily visible. The plate will provide monitoring well I.D.#, date of construction, static water level, and driller name and state certification #.

3. Well construction and sampling derived waste including, but not necessarily limited to, drill cuttings, drilling fluids, development and purge water should be managed properly and in compliance with applicable requirements. If containerized, each vessel should be clearly labeled with regard to contents, source, and date of activity.

4. **A minimum of forty-eight (48) hours prior to initiation of drilling activities, please provide notice to Arthur Shrader at (803) 896-6669 or shradeaa@dhec.sc.gov *and* Mike Radford (District Contact) at (803) 896-0620 or radforrm@dhec.sc.gov.**

5. Please provide groundwater quality analytical data (chemical analysis and/or water level(s)) and associated measurements (i.e., in-situ field measurements) in the technical report.

6. Monitoring wells and temporary monitoring wells will be installed by or under the direct supervision of a licensed well driller certified by the State of South Carolina.

7. Monitoring wells and temporary monitoring wells will be abandoned by or under the direct supervision of a licensed well driller certified by the State of South Carolina. Temporary monitoring wells shall not remain in place for longer than 30 days from the date of installation. Monitoring wells may be abandoned only upon concurrence by this Division.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and the Department of Health and Environmental Control Regulations R.61-71. Please remember to have a copy of this approval on the site during well installation.

Approved by: Arthur Shrader

Arthur Shrader, Hydrogeologist
Assessment Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

Approved Cost Agreement 23764

Facility: 07584 SIMBA EXPRESS 2
SHRADEAA
PO Number:

Task / Description	Categories	Item Description	Qty / Pct	Unit Price	Amount
01 PLAN					
		A PLAN PREPARATION	1.0000	50.00	50.00
		B TAX MAPS	1.0000	50.00	50.00
02 RECEPTOR SURVEY					
		RECEPTOR SURVEY	1.0000	50.00	50.00
03 COMPREHENSIVE SURVEY					
		COMPREHENSIVE SURVEY	1.0000	600.00	600.00
04 MOB/DEMOB					
		A EQUIPMENT	2.0000	125.00	250.00
		B PERSONNEL	4.0000	30.00	120.00
06 SOIL BORINGS (DRILLED)					
		SOIL BORINGS & FLD SCREENING	800.0000	10.00	8,000.00
09 WELL INSTALLATION					
		B WATER TABLE (DRILLED)	300.0000	25.00	7,500.00
		C TELESCOPING	150.0000	30.00	4,500.00
10 SAMPLE COLLECTION					
		A GROUND WATER	27.0000	30.00	810.00
		E GAUGE WELL ONLY	14.0000	15.00	210.00
11 ANALYSES					
	GW GROUNDWATER	A BTEX+NAPTH+MTBE	27.0000	31.50	850.50
		B RUSH BTEX ANALYSIS	5.0000	63.00	315.00
		E LEAD	27.0000	6.50	175.50
		F EDB	27.0000	30.50	823.50
		K NITRATE	12.0000	16.00	192.00
		L SULFATE	12.0000	13.50	162.00
		M FERROUS IRON	12.0000	8.50	102.00
		N METHANE	12.0000	37.00	444.00
		P 8 OXYGENATES	27.0000	63.00	1,701.00
	SOIL SOIL	Q BTEX+NAPTH	10.0000	31.50	315.00
17 DISPOSAL					
		A1 WASTEWATER - PURGING/SAMPLING	6.0000	90.00	540.00
		C SOIL (TREATMENT/DISPOSAL)	35.0000	50.00	1,750.00
19 RPT/PROJECT MNGT & COORDINATIO					
		PCT PERCENT	0.0300	29,510.50	885.32
				Total Amount	30,395.82

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

January 19, 2005

RICHARD E FAY
2020 CHARLOTTE PLAZA
201 SOUTH COLLEGE STREET
CHARLOTTE NC 28244-2020

Re: Simba Express #2 (Former Handy Pantry #65), 2367 Taylor Street, Columbia, SC
UST Permit #07584
Release Reported April 17, 1998
Richland County

Dear Mr. Fay:

According to Program records, Acme Petroleum and Fuel Company reported a release to SCDHEC at the referenced facility on April 17, 1998. Therefore, in accordance with Section 44-2-40(D) of the State Underground Petroleum Environmental Response Bank (SUPERB) Act, Acme Petroleum and Fuel Company is responsible for the first $25,000 of site rehabilitation costs. However, the UST Program understands that Acme Petroleum and Fuel Company has filed chapter 11 bankruptcy.

In order to protect human health and the environment, the Underground Storage Tank (UST) Program is directing assessment activities to determine the extent of petroleum contamination at the referenced facility. Your will be informed of the total cost once the environmental assessment is completed.

On all correspondence regarding this site, please reference UST permit number 07584. If you have questions concerning this correspondence, or would like to submit additional information, please contact me at (803) 896-6669 or fax me at (803) 896-6245.

Sincerely,

UST PROGRAM
DOCKETING # 152 Tech

Arthur Shrader, Hydrogeologist
Assessment Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land & Waste Management

cc: Mr. Overton, Acme Petroleum and Fuel Company, 543 Cox Road, Ste C, Gastonia, SC 28054
Technical File

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

January 19, 2005

RICHARD E FAY
2020 CHARLOTTE PLAZA
201 SOUTH COLLEGE STREET
CHARLOTTE NC 28244-2020

Re: Simba Express #2 (Former Handy Pantry #65), 2367 Taylor Street, Columbia, SC
UST Permit #07584
Release Reported April 17, 1998
Richland County

Dear Mr. Fay:

According to Program records, Acme Petroleum and Fuel Company reported a release to SCDHEC at the referenced facility on April 17, 1998. Therefore, in accordance with Section 44-2-40(D) of the State Underground Petroleum Environmental Response Bank (SUPERB) Act, Acme Petroleum and Fuel Company is responsible for the first $25,000 of site rehabilitation costs. However, the UST Program understands that Acme Petroleum and Fuel Company has filed chapter 11 bankruptcy.

In order to protect human health and the environment, the Underground Storage Tank (UST) Program is directing assessment activities to determine the extent of petroleum contamination at the referenced facility. Your will be informed of the total cost once the environmental assessment is completed.

On all correspondence regarding this site, please reference UST permit number 07584. If you have questions concerning this correspondence, or would like to submit additional information, please contact me at (803) 896-6669 or fax me at (803) 896-6245.

Sincerely,

UST PROGRAM
DOCKETING #

Arthur Shrader, Hydrogeologist
Assessment Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land & Waste Management

cc: Mr. Overton, Acme Petroleum and Fuel Company, 543 Cox Road, Ste C, Gastonia, SC 28054
Technical File

D H E C
PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

January 11, 2005

PETER REINHART
SCDOT
PO BOX 191
COLUMBIA SC 29202-0191

Re: Simba Express #2 (Former Fast Point #24), 2367 Taylor Street, Columbia, SC
UST Permits # 07584 and 18389
Release Reported January 30, 1991
Richland County

Dear Mr. Reinhart:

The Underground Storage Tank (UST) Program approved and your contractor abandoned four groundwater monitoring wells at the referenced site in 2003. The wells were abandoned as part of the widening of Two Notch Road (US Highway 1). The UST Program has directed Consultech Environmental, Incorporated to compete a Tier II Assessment at this facility. The assessment plan is due this month with assessment activities beginning later this month.

As additional assessment activities are necessary, the UST Program requests that the South Carolina Department of Transportation (SCDOT) reinstall monitoring wells RW-1, PW-1, and MW-5a in the sidewalk currently under construction. The depth and approximate location for these three groundwater monitoring wells is enclosed for your information. Funds from the State Underground Petroleum Environmental Response Bank (SUPERB) Account originally paid for these wells; therefore, replacement costs cannot be paid from the Account.

The three wells should be installed within 60 days form the date of this letter. A report documenting the reinstallation of the monitoring wells and including DHEC 1903 forms should be addressed to my attention. Monitoring well installation must be completed in accordance with South Carolina Well Standards and Regulations. The original monitoring well approval is enclosed. If installation is not accomplished within 60 days so they can be surveyed and sampled by Consultech Environmental, Incorporated as part of the ongoing environmental assessment, SCDOT will be required to accurately survey the location and casing elevation of each of these three replacement wells.

On all correspondence or inquiries regarding this project, please reference UST Permit # 07584. If you have any questions, please feel free to contact me at (803) 896-6669 or 1-800-826-5435 (within South Carolina only).

Sincerely,

Arthur Shrader, Hydrogeologist
Assessment Section
Assessment and Corrective Action Division
UST Program
Bureau of Land and Waste Management

UST PROGRAM
DOCKETING # 15 Tech

enc: Monitoring Well Approval Form (MWA)
Map and Summary of Monitoring Well Data from Force and Associates Report dated Feb. 2004

cc: Mr. Wilson, ARM Environmental Services, 1210 1st Street South Extension, Columbia, SC 29209 (w/ enc.)
Mr. Wilson, Consultech Environmental, 1800 MacLeod Dr Ste F, Lawrenceville GA 30043 (w/o enc.)
Technical File (w/ enc.)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

Monitoring Well Installation Approval Form

Date of Issue: January 10, 2005 Approval No.: UMW-18933

Approval is hereby granted to:	South Carolina Department of Transportation
UST Permit #:	07584
Address:	2367 Taylor Street, Columbia, SC
County:	Richland

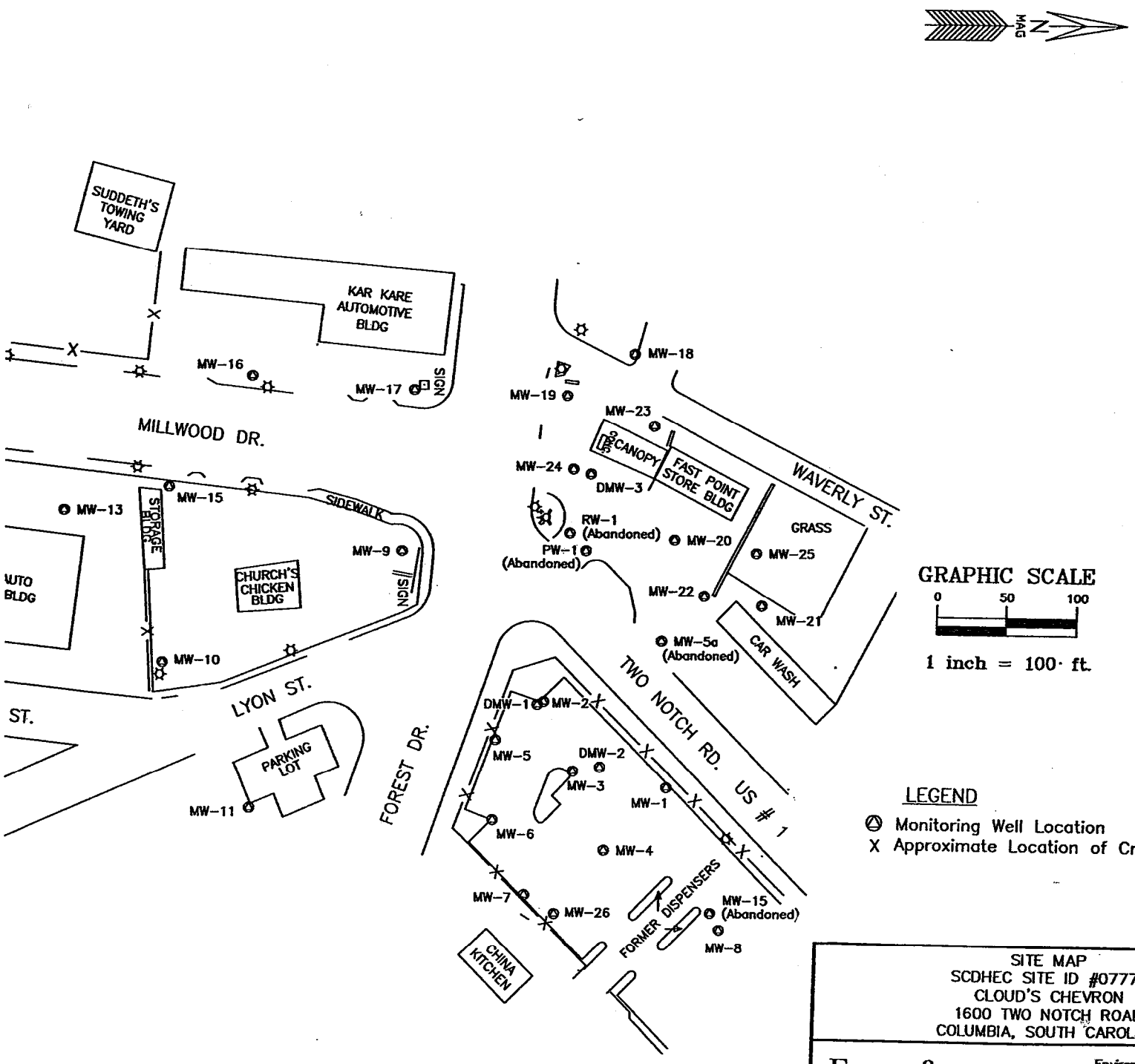
This approval is for the construction of up to one deep pit cased and two shallow groundwater monitoring wells in accordance with the construction plans and technical specifications outlined in the South Carolina Well Standards R. 61-71. The wells are to be constructed within the surficial aquifer for the intended purpose of monitoring groundwater quality and/or water level(s) at the referenced facility. Approval is provided with the following conditions:

1. The latitude and longitude, surveyed elevations, boring and/or geologist logs and actual (as built) construction details for each well will be submitted with the technical report.
2. Each well will be labeled with an identification plate constructed of a durable material affixed to the casing or surface pad where it is readily visible. The plate will provide monitoring well I.D.#, date of construction, static water level, and driller name and state certification #.
3. Well construction and sampling derived waste including, but not necessarily limited to, drill cuttings, drilling fluids, development and purge water should be managed properly and in compliance with applicable requirements. If containerized, each vessel should be clearly labeled with regard to contents, source, and date of activity.
4. **A minimum of forty-eight (48) hours prior to initiation of drilling activities, please provide notice to Arthur Shrader at (803) 896-6669 or shradeaa@dhec.sc.gov *and* Mike Radford (District Contact) at (803) 896-0620 or radforrm@dhec.sc.gov.**
5. Please provide groundwater quality analytical data (chemical analysis and/or water level(s)) and associated measurements (i.e., in-situ field measurements) in the technical report.
6. Monitoring wells and temporary monitoring wells will be installed by or under the direct supervision of a licensed well driller certified by the State of South Carolina.
7. Monitoring wells and temporary monitoring wells will be abandoned by or under the direct supervision of a licensed well driller certified by the State of South Carolina. Temporary monitoring wells shall not remain in place for longer than 30 days from the date of installation. Monitoring wells may be abandoned only upon concurrence by this Division.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and the Department of Health and Environmental Control Regulations R.61-71. Please remember to have a copy of this approval on the site during well installation.

Approved by:

Arthur Shrader, Hydrogeologist
Assessment Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management



SITE MAP
SCDHEC SITE ID #07777
CLOUD'S CHEVRON
1600 TWO NOTCH ROAD
COLUMBIA, SOUTH CAROLINA

Force & Associates, Inc.
Environmental Hydrogeologic
147 Vera Roa
Lexington, SC
Phone: 803-3

DRAWN BY	CHECKED BY	SCALE	
CAB	KK	1"=100'	CA
DESIGN BY	DATE	PROJECT NO.	FIG
OA	01/28/04	CloudsChev	

4.0 CHEMICALS OF CONCERN - GROUNDWATER

4.1 Summary of Monitoring Well and Groundwater Data

WELL #	SAMPLING DATE	SCREEN DEPTH (FT)	SCREENED INTERVAL (FT)	DEPTH TO WATER (FT) 12/30/03	WATER TABLE ELEV. (FT) 12/30/03
MW-1	11/18/03	27	27 to 17	21.45	83.22
MW-2	11/18/03	30	30 to 20	23.30	82.19
MW-3	10/27/03	29	29 to 19	23.44	81.78
MW-4	11/18/03	28	28 to 18	21.29	84.35
MW-5	10/27/03	26	26 to 16	22.92	82.67
MW-6	11/18/03	30	30 to 20	23.55	82.22
MW-7	11/18/03	30	30 to 20	23.59	83.17
MW-8	11/18/03	28.5	28.5 to 18.5	20.28	85.29
MW-9	0.01' FP 11/18	30	30 to 20[1]	22.75/22.74[4]	81.02
MW-10	0.01' FP 11/18	28	28 to 18[2]	17.44	79.94
MW-11	11/18/03	30	Unknown	19.57	80.24
MW-12	11/18/03	30	Unknown	4.75	79.41
MW-13	11/18/03	29.6	Unknown	12.18	80.06
MW-14	Not Located	-	Unknown	-	-
MW-15	0.03' FP 11/18	25	25 to 15[2]	17.58/17.56[4]	80.29
MW-16	11/18/03	25	25 to 15[2]	18.95	80.62
MW-17	0.65' FP 11/18	30	30 to 20[1]	23.74	80.21
MW-18	0.13' FP 10/29	30	30 to 20[2]	25.72/25.48[4]	80.57
MW-19	0.02' FP 10/29	30	30 to 20[1]	24.59	80.86
MW-20	10/29/03	25	25 to 15[1]	23.05	82.99
MW-21	10/29/03	25	25 to 15[2]	21.03.	82.84
MW-22	11/25/03	30	30 to 20	22.36	83.25
MW-23	11/25/03	30	30 to 20	24.82	80.70
MW-24	11/25/03	30	30 to 20	23.88	81.46
MW-25	10/29/03	25.2	Unknown	21.23	82.45
MW-26	11/25/03	30[3]	Unknown	20.50	86.06
DMW-1	10/27/03	70	70 to 65	45.44	59.99
DMW-2	10/27/03	75	75 to 70	44.67	60.15
DMW-3	12/30/03	52	52 to 47	24.54	
MW-5a	10/27/03	28	28 to 18[2]	20.0	Abandoned 11/25/03
PW-1	10/29/03	45.65	50 to 45[1]	28.6	Abandoned 11/25/03
RW-1 (4"diam)	0.01' FP 10/29	29	29 to 9[1]	22.63	Abandoned 11/25/03
MW-15 (MEC)	-	30[3]	Unknown	-	Abandoned 11/25/03

FP = Free Product

[1] From 1992 and 1993 SPATCO Well Logs

[2] From 1999 Froehling & Robertson Well Logs for Kimbrell & Associates, Inc.

[3] Data supplied by SCDHEC

[4] DTW/corrected DTW using 0.78 correction factor for free product thickness.

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

December 17, 2004

JAMES WILSON
CONSULTECH ENVIRONMENTAL
1800 MACLEOD DR STE F
LAWRENCEVILLE GA 30043

Re: Tier II Assessments
Contract SB-26281-10/26/04-EMW, Purchase Order # 557699
Telephone Conversation on December 16, 2004
Notice to Proceed

Dear Mr. Wilson:

In accordance with the referenced contract, the Underground Storage Tank Program requests a Tier II Assessment Plan and an associated Cost Agreement for the following facilities:

Site name	ID #	County	Priority	Project Manager
Former J D Caples	08935	Sumter	1D	Debra Thoma
Handy Pantry #65	07584	Richland	2A	Arthur Shrader
Clouds Chevron	07777 & 12352	Richland	2A	Arthur Shrader

As outlined in our conversation, please submit the Tier II Assessment Plan and Assessment Component Cost Agreement to my attention within thirty (30) days from the date of this correspondence. Plan implementation shall not commence prior to receipt of written technical and financial approval from the Department. The reports must be submitted to my attention within 90 days subsequent to the date of the approval letter. .

Tier II Assessment Plan, Implementation and Report submittal shall be performed in accordance with the referenced contract. Per Section 12, Special Conditions, a late fee of $100.00/day may be levied for each report submitted after the deadline established in the Notice to Proceed. On all correspondence, please reference the pertinent UST Permit number.

Sincerely,

UST PROGRAM
DOCKETING # 15th Tier

Arthur Shrader, Hydrogeologist
Assessment Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

enc: Three Notice to Proceed Packages (UST Permits 08935, 07584, 0777 & 12352)

cc: Technical File

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MAR 04 2004

PETE OVERTON
ACME PETROLEUM & FUEL CO
PO BOX 2359
GASTONIA NC 28053

Re: Simba Express 2 (aka Fast Point 24), 2367 Taylor St., Columbia, SC
UST Permit #07584 & #18389
Releases reported January 30, 1991 & April 17, 1998
Richland County

Dear Mr. Overton:

The Underground Storage Tank (UST) Program has conducted a review of the facility's technical file and determined that a Tier II Assessment is needed to delineate the extent of the petroleum contamination. As release #2 was reported to SCDHEC on April 17, 1998 and in accordance with Section 44-2-40(B) of the SUPERB Act, ACME Petroleum and Fuel is responsible for the first $25,000 of site rehabilitation costs. However, as ACME Petroleum & Fuel Company has declared Chapter 11 bankruptcy, the UST Program has determined that the required work will be conducted using SUPERB Funds. The Department is required to seek recovery from you for all costs incurred on your behalf.

Please complete and return the enclosed Permission Form within 30 days of the date of this letter. You will be provided a copy of the report upon completion of each work scope.

On all correspondence regarding this site, please reference the UST Permit # 07584. Please feel free to call me at (803) 896-6397 or (800) 826-5435 (within SC only) if you have questions or need additional information.

Sincerely,

Debra L. Thoma

Debra L. Thoma, Hydrogeologist
State Lead and Field Services Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

UST PROGRAM DOCKETING # 1566 Teen

enc: Permission Form

cc: Travis Moon, Hamilton, Gaskins, Fay, & Moon PLLC, 2020 Charlotte Plaza, 201 S College St., Charlotte, NC, 28244-2020 (w/ enc.)
Technical File

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health
and Environmental Control

UNDERGROUND STORAGE TANK PROGRAM
2600 Bull Street
Columbia, SC 29201
Telephone (803) 896-6240 Fax (803) 896-6245

MEMORANDUM

Date: February 25, 2004

To: Technical File

From: Debra L Thoma
State Lead & Field Services Section

Re: Simba Express 2, 2367 Taylor St., Columbia
UST Permit #07584

Two releases were reported at this facility, the first on January 30, 1991 and the second on April 17, 1998. Additional assessment and corrective action is required. As the second release is subject to the statutory $25,000 deductible and the tank owner, ACME Petroleum and Fuel Company, has declared Chapter 11 bankruptcy, the UST Program will use SUPERB funds for the required work and seek cost recovery, if applicable, for the $25,000 deductible.

UST PROGRAM
DOCKETING # 15b Tech

To Andy Wilson
From Art Shrader
3 pages

Force & Associates, Inc.
147 Vera Road, Suite F, Lexington, South Carolina 29072 (803) 359-3200 (803) 359-6682 fax

February 5, 2004

Ms. Debra L. Thoma, Hydrogeologist
Owner/Operator Assistance Section
Assessment & Corrective Action Division
UST Program
Bureau of Land and Waste Management
South Carolina Department of Health and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

ATTN: Ms. Debra L. Thoma, Hydrogeologist

RE: Modified Tier II Assessment
Clouds Chevron, SCDHEC Site ID #07777 & #12352
1600 Two Notch Road
Columbia, South Carolina
And
Fast Point #24, SCDHEC SITE ID #07584 & #18389
2367 Taylor Street
Columbia, South Carolina

Dear Ms. Thoma:

Force & Associates, Inc. is pleased to submit the results from our Tier II assessment of the referenced facilities for your review and approval. This Tier II was performed to evaluate the impact of a petroleum release at the site and to gain additional information for the Tier II risk-based corrective action (RBCA) evaluation. This work was performed in accordance with the South Carolina Department of Health and Environmental Control (SCDHEC) Tier II guidance document.

Force & Associates, Inc. appreciates your assistance with this project. Please contact our office at (803) 359-3200 if you have any questions or require additional information pertaining to this project.

Sincerely,
FORCE & ASSOCIATES, INC.
SCDHEC UST Certified Contractor #17

Katherine M. Kelly

Katherine M. Kelly, P.G. (#1007)

UST PROGRAM DOCKETING # 51 Tech

Confirmation Report – Memory Send

Date & Time:	Jan-21-2005 11:29	
Tel line	: +8038966245	
Machine ID	: UST PROGRAM	
Job number	: 551	
Date & Time	: Jan-21 11:28	
To	: 9783258?	
Number of pages	: 003	
Start time	: Jan-21 11:28	
End time	: Jan-21 11:29	
Pages sent	: 003	
Status	: OK	
Job number	: 551	*** SEND SUCCESSFUL ***

To Andy Wilson

Force & Associates, Inc.
147 Vera Road, Suite F, Lexington, South Carolina 29072 (803) 359-3200 (803) 359-6682 fax

From Art Shrader

3 pages

February 5, 2004

Ms. Debra L. Thoma, Hydrogeologist
Owner/Operator Assistance Section
Assessment & Corrective Action Division
UST Program
Bureau of Land and Waste Management
South Carolina Department of Health and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

ATTN: Ms. Debra L. Thoma, Hydrogeologist

RE: Modified Tier II Assessment
Clouds Chevron, SCDHEC Site ID #07777 & #12352
1600 Two Notch Road
Columbia, South Carolina
And
Fast Point #24, SCDHEC SITE ID #07584 & #18389
2367 Taylor Street
Columbia, South Carolina

Dear Ms. Thoma:

Force & Associates, Inc. is pleased to submit the results from our Tier II assessment of the referenced facilities for your review and approval. This Tier II was performed to evaluate the impact of a petroleum release at the site and to gain additional information for the Tier II risk-based corrective action (RBCA) evaluation. This work was performed in accordance with the South Carolina Department of Health and Environmental Control (SCDHEC) Tier II guidance document.

Force & Associates, Inc. appreciates your assistance with this project. Please contact our office at (803) 359-3200 if you have any questions or require additional information pertaining to this project.

Sincerely,
FORCE & ASSOCIATES, INC.
SCDHEC UST Certified Contractor #17

Katherine M. Kelly

Katherine M. Kelly, P.G. (#1007)

MODIFED TIER II ASSESSMENT
CLOUDS CHEVRON
SCDHEC SITE ID #07777 & #12352
AND
FAST POINT #24
SCDHEC SITE ID #07584 & #18389

1.0 INTRODUCTION

1.1 UST Owner Information

Clouds Chevron:
Wallace Scott
Deceased

Fast Point #24:
Pete Overton
Acme Petroleum & Fuel Co. Inc.
P.O. Box 2359, Gastonia, NC 28053
704-867-2336

1.2 Tier II Contractor

Force & Associates, Inc.
147 Vera Road, Suite F
Lexington, South Carolina 29072
(803) 359-3200 (803) 359-6682 fax

1.3 Tier II Approval/Field Work Implementation Dates

Tier II Approval – May 16, 2003
Field Work Implementation – October 22, 2003 through December 30, 2003

1.4 Site Location Description

The "site" is the combination of two sites located in a commercial/ residential setting at the northwest and northeast corners of the intersection of Taylor Street/Forest Drive and Two Notch Road in Richland County. Approximately 95 percent of both properties are covered with buildings and/or pavement.

1.5 Present and Future Site Use

The former Cloud's Chevron site, formerly located at 1600 Two Notch Road, was purchased by the Sisters of Charity Providence Hospital and currently is an employee parking lot. The Fast Point #24 site, located at 2367 Taylor Street is a retail gasoline/convenience store. The SCDOT has slated Two Notch Road for lane widening and has purchased an approximate 40-foot wide strip of the Fast Point site bordering Two Notch Road for its new right-of-way. Fast Point has relocated its underground storage tanks, dispensers and canopy to the portion of its site that fronts Taylor Street.

1.6 Past Site Use and Previous Releases

According to the regulatory files for Cloud's Chevron, two 8,000-gallon and two 5,000-gallon petroleum underground storage tanks (USTs) were utilized

sources. Ninety-seven percent of the industrial water demand within the sub-basin is meet by utilizing surface water.

The general site stratigraphy, documented from the borehole soil samples consists of sandy clay and clayey, silty sand.

3.0 GROUNDWATER ASSESSMENT

3.1 Monitoring Well Installation, Development and Sampling Dates

Replacement monitoring wells MW-1 through MW-8 and deep monitoring wells DMW-1 and DMW-2 were installed in the Providence Hospital employee parking lot (former Cloud's Chevron site) from October 22 through October 25, 2003. Replacement monitoring wells MW-22 through MW-24 were installed on the Fast Point site from November 20 through November 21, 2003. The deep monitoring well DMW-3 was completed on December 30, 2003. All monitoring wells, including other monitoring wells previously installed, were sampled from October 27 through December 30, 2003. The new monitoring wells were developed and sampled following well completion. In addition, the creek located approximately 100-feet south of the NAPA Auto Parts property was sampled on November 18, 2003.

Four wells were abandoned. Three were on the Fast Point property within the new SCDOT right-of-way and were abandoned after being sampled. The fourth, on Cloud's Chevron, could not be sampled. All four were abandoned on November 25, 2003.

3.2 Monitoring Well Locations

On the former Cloud's Chevron site, the new monitoring wells replaced the monitoring wells destroyed by redevelopment of the lot into a parking lot. Replacement wells MW-1 through MW-5 replaced their respective old monitoring wells. New MW-6 replaced old MW-8; new MW-7 replaced old MW-9 and MW-10, however, the previous MW-10 was found to be accessible and thus, was renamed MW-26. New MW-8 replaced old MW-15. Old MW-15, which was not accessible, was abandoned.

On the Fast Point #24 site, three previous wells, MW-5a, PW-1 and RW-1, were abandoned after sampling because they were in the new right-of-way for the SCDOT's road-widening project. Well MW-5a was replaced by new well MW-22, and PW-1 was replaced by new deep well DMW-3. The previous well MW-4 had been paved over when Fast Point relocated its tanks and canopy. That monitoring well was replaced with new well MW-23. The previous well MW-3, supposedly located in the southwest corner of the site, could not be located. It was replaced by new well MW-24.

SCDOT did not Pay

783-2507

ACME Inc. Handy Pantry

FAX TRANSMITTAL COVER PAGE

TELEFAX #: 704-866-7644

RECEIVED
MAR 17 2003
Underground Storage Tank Program

FAX #: _____

DATE SENT: 3/17/03

TIME SENT: 11:25 A.M.

FOR DISTRIBUTION TO: Ms. Laura Daye

COMPANY RECEIVING: _____

SENT BY: Pete Overton

REGARDING: _____

THIS TRANSMISSION CONSISTS OF 2 PAGES INCLUDING THIS COVER PAGE.

IF YOU HAVE ANY QUESTIONS OR PROBLEMS, PLEASE CALL:

704-867-7281
or
704-867-2336

UST PROGRAM DOCKETING # 158 Tech

ACME PETROLEUM AND FUEL COMPANY
543 Cox Road • P.O. Box 2359 • Gastonia, NC 28053
704-867-2336 • FAX 704-866-7644

UNDERGROUND STORAGE TANK OWNER

PERMISSION FORM - FACILITY ID # 07584

If you are the owner of the former or existing underground storage tanks or are designated as their authorized representative, but do not own the property, please complete this form.

I, Pete Overton certify that I am the legal owner of the underground storage tank(s) located at the facility identified below or serve as the authorized representative for the UST owner. I grant permission to the South Carolina Department of Health and Environmental Control (SCDHEC) to secure on my behalf services of a contractor to conduct assessment and corrective action activities, as required. The contractor will be designated as my contractor for only the required environmental site rehabilitation activities. Compensation to the contractor will be from the SUPERB Account and I will have no obligation to pay the contractor. I understand that SCDHEC will be responsible for obtaining right-of-entry from the property owner and notifying me of all activities that are necessary prior to their initiation and will promptly provide to me a copy of each environmental report. I understand that I may choose to select my own contractor at the completion of any phase of work by notifying the Bureau of Underground Storage Tank Management in writing.

Name of Facility East Point #24 Phone # 803-256-4043

Street Address of Facility 2367 Taylor Street

Town, City, District, Suburb Columbia

Name of nearest intersecting street, road, highway, alley

Is this facility within the city limits? (yes or no) yes

Were underground storage tanks previously removed from the ground at this facility? (yes or no) yes, if yes, please provide the name and phone number of a person we can contact that can assist in the location of the former underground storage tank excavation. Name Victor or Mukesh Patel - property owners, Phone number 1-864-587-1009

Is the property currently ~~leased or rented to someone~~ owned by others? (yes or no) yes, if yes, please provide their name Victor Patel and phone number 864-582-1009 and let them know about the pending assessment activities. If vehicles or other mobile structures are parked over the former or existing underground storage tanks, they should be moved before SCDHEC's contractor gets to the site.

NAME of UST owner (Please Print): Pete Overton

Phone Number (home) _____ (work) 704-867-2336

Signature of Underground Storage Tank Owner: Pete Overton

Witness: Dawn Stewart

Date: March Month 17 Day 2003 Year

D H E C
PROMOTE PROTECT PROSPER
2600 Bull Street
Columbia, SC 29201-1708

UNDERGROUND STORAGE TANK PROGRAM
BUREAU OF LAND AND WASTE MANAGEMENT
Phone (803) 896-6240 Fax (803) 896-6245

MAR 1 1 2003

MR FRED CRAWFORD
RICHARDSON PLOWDEN LAW FIRM
PO BOX 7788
COLUMBIA SC 29202

Re: Fast Point 24, 2367 Taylor St, Columbia, SC
Adjacent Property located at 2363 Taylor St, Columbia, SC
UST Permit # 07584 & # 18389
Richland County

To Whom It May Concern:

Mr. Fred Crawford has requested that this office provide you information about environmental conditions and liability associated with the referenced facility and adjacent property. In response to that request, the following is provided.

With regard to UST Permit # 07584: this office received reports on January 30, 1991, and again on April 17, 1998 that petroleum releases had occurred from the underground storage tanks (UST) at the facility. On January 30, 1991 and May 13, 1998, respectively, it was confirmed that releases had occurred and chemicals of concern were located in the soil and groundwater in the vicinity of these USTs.

Our records indicate that three Underground Storage Tanks (USTs) were registered with the Program. The registered USTs, owned by Pacemaker Leasing Corporation Inc., have been removed. Our records also indicate that Pacemaker Leasing Corporation Inc. complied with the regulatory requirements and stopped the leak from the tanks. In response to the initial reports of contamination, we directed Pacemaker Leasing Corporation Inc., as the party responsible for performing this activity under state and federal law, to assess the extent and severity of the contamination. Several assessment activities have been completed and another report of findings is anticipated on April 7, 2003.

All rehabilitation activities associated with the petroleum contamination are the responsibility of Pacemaker Leasing Corporation Inc. In 1997, the General Assembly amended Section 80 (B) of the SUPERB Act to clarify that persons who hold "indicia of ownership" primarily to protect a security interest in property impacted by a release from a UST are exempt from the requirements to conduct site rehabilitation activities other than necessary abatement actions to eliminate any imminent threat to human health or the environment. The "indicia of ownership" exemption includes those persons who acquire title to property through foreclosure or other means necessary to protect their security interest, provided that person does not participate in the

UST PROGRAM
DOCKETING # 169 Tech

management of the UST and is not otherwise engaged in petroleum production, marketing, or refining. Section 80(C) of the SUPERB Act provides that a subsequent purchaser of property from which an UST has been removed is not responsible for site rehabilitation activities. This exemption applies to the extent that the release is eligible for compensation from the SUPERB Account, provided that the person allows reasonable access to the property for rehabilitation activities, and does not or has not had any familial, financial, or other interest with the person who owned or operated the UST. This applies equally to subsequent lenders or to those who would acquire this property through foreclosure in the future.

Mr. Crawford also wanted the Program to clarify the financial and liability issues surrounding the petroleum contamination at this facility. State funds from the State Underground Petroleum Environmental Response Bank (SUPERB) Account are available for Pacemaker Leasing Corporation Inc. to access for the release reported January 30, 1991. Funds will also be made available for Pacemaker Leasing Corporation Inc. to access for the release reported April 17, 1998, after they have exhausted their $25,000 deductible for site rehabilitation under the conditions of the SUPERB Act. Pacemaker Leasing Corporation Inc. is entitled to up to $1,000,000 in coverage from the SUPERB Account for each of these releases

<u>You should be aware that there are currently no laws or regulations that prohibit the use or development of adjacent properties and properties where petroleum release has occurred.</u>

With regard to UST Permit # 18389: on May 14, 1999, Fast Point Food Stores, as a separate entity from by Pacemaker Leasing Corporation Inc., began operations of two USTs at this location. There has been no report of a release from these two USTs.

If you have any questions, please contact me at (803) 896-6649 or (800) 826-5435 (within South Carolina only).

Sincerely,

Laura S Daye

Laura S. Daye, Hydrogeologist
Owner/Operator Assistance Section
Assessment and Corrective Action Division

cc: Technical File/ Read File
Pete Overton, ACME Petroleum & Fuel Co, PO Box 2359, Gastonia, NC 28053-2359

SCDHEC/UST/3/7/2003/LSD

D H E C
PROMOTE PROTECT PROSPER
2600 Bull Street
Columbia, SC 29201-1708

UNDERGROUND STORAGE TANK PROGRAM
BUREAU OF LAND AND WASTE MANAGEMENT
Phone (803) 896-6240 Fax (803) 896-6245

MAR 1 1 2003

BANK OF AMERICA
NC1-023-03-01
525 N TRYON ST
CHARLOTTE NC 28255

Re: Fast Point 24, 2367 Taylor St, Columbia, SC
Adjacent Property located at 2363 Taylor St, Columbia, SC
UST Permit # 07584 & # 18389
Richland County

To Whom It May Concern:

Mr. Buddy Hill has requested that this office provide you information about environmental conditions and liability associated with the referenced facility and adjacent property. In response to that request, the following is provided.

With regard to UST Permit # 07584: this office received reports on January 30, 1991, and again on April 17, 1998 that petroleum releases had occurred from the underground storage tanks (UST) at the facility. On January 30, 1991 and May 13, 1998, respectively, it was confirmed that releases had occurred and chemicals of concern were located in the soil and groundwater in the vicinity of these USTs.

Our records indicate that three Underground Storage Tanks (USTs) were registered with the Program. The registered USTs, owned by Pacemaker Leasing Corporation Inc., have been removed. Our records also indicate that Pacemaker Leasing Corporation Inc. complied with the regulatory requirements and stopped the leak from the tanks. In response to the initial reports of contamination, we directed Pacemaker Leasing Corporation Inc., as the party responsible for performing this activity under state and federal law, to assess the extent and severity of the contamination. Several assessment activities have been completed and another report of findings is anticipated on April 7, 2003.

All rehabilitation activities associated with the petroleum contamination are the responsibility of Pacemaker Leasing Corporation Inc. In 1997, the General Assembly amended Section 80 (B) of the SUPERB Act to clarify that persons who hold "indicia of ownership" primarily to protect a security interest in property impacted by a release from a UST are exempt from the requirements to conduct site rehabilitation activities other than necessary abatement actions to eliminate any imminent threat to human health or the environment. The "indicia of ownership" exemption includes those persons who acquire title to property through foreclosure or other means necessary to protect their security interest, provided that person does not participate in the

UST PROGRAM
DOCKETING # 160 Tec

management of the UST and is not otherwise engaged in petroleum production, marketing, or refining. Section 80(C) of the SUPERB Act provides that a subsequent purchaser of property from which an UST has been removed is not responsible for site rehabilitation activities. This exemption applies to the extent that the release is eligible for compensation from the SUPERB Account, provided that the person allows reasonable access to the property for rehabilitation activities, and does not or has not had any familial, financial, or other interest with the person who owned or operated the UST. This applies equally to subsequent lenders or to those who would acquire this property through foreclosure in the future.

Mr. Hill also wanted the Program to clarify the financial and liability issues surrounding the petroleum contamination at this facility. State funds from the State Underground Petroleum Environmental Response Bank (SUPERB) Account are available for Pacemaker Leasing Corporation Inc. to access for the release reported January 30, 1991. Funds will also be made available for Pacemaker Leasing Corporation Inc. to access for the release reported April 17, 1998, after they have exhausted their $25,000 deductible for site rehabilitation under the conditions of the SUPERB Act. Pacemaker Leasing Corporation Inc. is entitled to up to $1,000,000 in coverage from the SUPERB Account for each of these releases

You should be aware that there are currently no laws or regulations that prohibit the use or development of adjacent properties and properties where petroleum release has occurred.

With regard to UST Permit # 18389: on May 14, 1999, Fast Point Food Stores, as a separate entity from by Pacemaker Leasing Corporation Inc., began operations of two USTs at this location. There has been no report of a release from these two USTs.

If you have any questions, please contact me at (803) 896-6649 or (800) 826-5435 (within South Carolina only).

Sincerely,

Laura S. Daye

Laura S. Daye, Hydrogeologist
Owner/Operator Assistance Section
Assessment and Corrective Action Division

cc: Technical File/ Read File
Pete Overton, ACME Petroleum & Fuel Co, PO Box 2359, Gastonia, NC 28053-2359

SCDHEC/UST/3/7/2003/LSD

D H E C
PROMOTE PROTECT PROSPER
2600 Bull Street
Columbia, SC 29201-1708

UNDERGROUND STORAGE TANK PROGRAM
BUREAU OF LAND AND WASTE MANAGEMENT

Phone (803) 896-6240 Fax (803) 896-6245

MAR 0 4 2003

PETE OVERTON
ACME PETROLEUM & FUEL CO INC
PO BOX 2359
GASTONIA NC 28053-2359

Re: Fast Point 24, 2367 Taylor St, Columbia, SC
UST Permit #07584
Release #1 Reported April 17, 1998
Notice of Violation
Richland County

Dear Mr. Overton:

The Underground Storage Tank (UST) Program of the South Carolina Department of Health and Environmental Control directed you to complete a Monitoring report in November 2002, with the report due in January 2003. To date the required report has not been received. In accordance with Section 280.65 of the South Carolina Underground Storage Tank Regulations, the report must be completed as chemicals of concern are above the risk-based-screening levels.

Implementation of this scope of work should proceed upon receipt of this correspondence. **The report must be submitted within 30 days from the date of this letter. If the report is not received on or before April 7, 2003, enforcement procedures will be initiated.**

On all correspondence regarding this site, please reference UST Permit #07584. If you have any questions concerning this correspondence, please call Laura S. Daye at (803) 896-6649 or 1-800-826-5435(within South Carolina only).

Sincerely,

Laura S. Daye

UST PROGRAM DOCKETING # 16[illegible]

Laura S. Daye, Hydrogeologist
Owner/Operator Assistance Section
Assessment and Corrective Action Division

cc: Technical File/Read File

SCDHEC/UST/3/3/2003/LSD

Tech F

D H E C

PROMOTE PROTECT PROSPER

2600 Bull Street
Columbia, SC 29201-1708

UNDERGROUND STORAGE TANK PROGRAM
BUREAU OF LAND AND WASTE MANAGEMENT

Phone (803) 896-6240 Fax (803) 896-6245

NOV 05 2002

MR PETE OVERTON
ACME PETROLEUM & FUEL CO INC
PO BOX 2359
GASTONIA NC 28053

Re: Fast Point 24, 2367 Taylor St., Columbia, SC
UST Permit #07584; CA #17518
Release #2 Reported April 17,1998
Rapid Assessment Report Received June 30, 2000
Richland County

Dear Mr Overton:

The Underground Storage Tank (UST) Program of the South Carolina Department of Health and Environmental Control (SCDHEC) recognizes your commitment to continue work at this site utilizing your own contractor. The Program has reviewed the referenced report and determined the next necessary scope of work to be a comprehensive groundwater sampling event. I am enclosing a list of certified contractors that you may choose to complete this work.

Cost Agreement #17518 has been approved in the amount shown on the enclosed cost agreement form to sample all monitoring wells associated with the release.

- Samples should be collected and analyzed for BTEX + Naph. +MTBE by EPA method 8260B.

The monitoring report submitted at the completion of these activities should include the following:

- A narrative portion documenting current site conditions and noting the names of field personnel, date, time, ambient air temperature, and general weather conditions during the sampling event. The report shall also contain well purging data, pH, specific conductivity, water temperature, PID readings (where applicable) and turbidity comments.
- Groundwater elevations, depth to groundwater, measurable free product thickness (where applicable), total well depth and screened interval for all monitoring wells associated with the site, unless otherwise directed by the Department, shall be presented in tabular form. Groundwater laboratory analytical data for all monitoring wells shall be presented in tabular format.
- A groundwater elevation contour map of the site based on current groundwater potentiometric data.
- A CoC map based on current groundwater laboratory analytical data. The groundwater data should be provided adjacent to the relevant monitoring well location.
- Manifests for any contaminated soil and/or groundwater removed from the site for treatment and/or disposal.
- The report must be signed and sealed by a professional geologist or engineer registered in the State of South Carolina.

Please have your selected contractor complete the monitoring report and submit an assessment component invoice within sixty days of the date of this letter. All documents involving geologic interpretation or engineering must be prepared by a qualified professional registered in the State of South Carolina.

UST PROGRAM DOCKETING # 16 Tech

Please note that Sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that no costs will be allowed unless prior approval from the Department is obtained. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be preapproved by the Department for the cost to be paid. The SCDHEC reserves the authority to pay only for work properly performed and/or technically justified and will only pay rates in accordance with established criteria. Further, SCDHEC reserves the right to question and/or reject costs if deemed unreasonable. The SCDHEC reserves the right to audit project records at any time during the project or after completion of work.

It is likely that additional environmental assessment work will be necessary to determine what risk the release may pose to human health and the environment. In accordance with Section 44-2-40(D) of the SUPERB Act, ACME Petroleum & Fuel Co. is responsible for the first $25,000 of site rehabilitation costs. To insure that expenditures made toward rehabilitation apply to the $25,000 deductible, the Program must pre-approve costs and assign cost agreement numbers for tracking. By law, the SUPERB Account cannot compensate any costs that are not pre-approved. After this deductible has been met, the release is qualified to receive funds from the State Underground Petroleum Environmental Response Bank (SUPERB) Account under the conditions of the SUPERB Act. If you wish, the SCDHEC can directly procure the services of a site rehabilitation contractor on your behalf, once the deductible has been satisfied. I am enclosing the Right of Entry (ROE) Forms for completion.

The Bureau grants preapproval for transportation of virgin petroleum contaminated soil and groundwater from the referenced site to a permitted treatment facility. The contaminated soil or groundwater must be properly stored in labeled containers or covered with plastic as appropriate. The contaminated soil and/or groundwater must be accepted by the approved treatment facility. There can be no spillage or leakage in transport. A copy of the disposal manifest and/or acceptance letter from the receiving facility that clearly designates the quantity received must be included as an appendix to the final report. If the levels of petroleum contamination based on laboratory analysis are below risk-based screening levels, please contact the project manager for approval to dispose of soil and/or groundwater on site. The SUPERB Account will not compensate for transportation or treatment of clean soil and/or groundwater.

On all correspondence concerning this site, please reference **UST Permit #07584 and CA #17518.** If there are any questions concerning this project, please contact me at (803) 896-6649 or (800) 826-5435 (within South Carolina only).

Sincerely,

Laura S. Daye

Laura S. Daye, Hydrogeologist
Owner/Operator Assistance Section
Assessment and Corrective Action Division

enc: Approved Cost Agreement
Certified Contractors List
ROE forms
cc: Technical Files (w/ACA)
Read Files (w/out enc)

SCDHEC/UST/ 10/24/2002/LSD

D H E C
PROMOTE PROTECT PROSPER
2600 Bull Street
Columbia, SC 29201-1708

UNDERGROUND STORAGE TANK PROGRAM
BUREAU OF LAND AND WASTE MANAGEMENT

Phone (800) 826-5435 Fax (803) 898-4330

Mr. Frank R. Macchiaverna
1201 Main Street
Suite 1980
Columbia, South Carolina 29201

OCT 29 2001

Re: Fast Point 24, 2367 Taylor Street, Columbia
UST Permit # 07584
Adjacent property belonging to Mr. Maccahiaverna
Richland County

UST PROGRAM
DOCKETING # 163 Teen

Dear Mr. Macchiaverna:

In response to your request for information about environmental conditions and liability associated with the referenced facility and adjacent property, the following is provided.

Our records indicate that three Underground Storage Tanks (USTs) were registered with the Department by Acme Petroleum and Fuel Company, Inc. One of the registered USTs was removed in June 1998. The remaining two tanks were removed in March 1999. A report received in January 1991 documented the first release of petroleum products in the vicinity of the dispenser island. A report received in April 1998 documented the second release of petroleum products in the vicinity of the USTs. A third release was reported in April 1999 and no further action was issued in May 1999 for that release. Our records indicate that Acme Petroleum and Fuel Company, Inc complied with the regulatory requirements and stopped all leaks from the tanks. Additionally, they are currently pursuing the extent and severity of contamination under our direction. An assessment report is expected in January 2002. A review of the report will determine if this site would be scheduled for active corrective action

The first release of petroleum products from the USTs is qualified to receive funding under the conditions of the State Underground Petroleum Environmental Response Bank (SUPERB) Act. The second release of petroleum products from the USTs is qualified to receive funding under the conditions of the State Underground Petroleum Environmental Response Bank (SUPERB) Act after the $25,000 deductible is met. This means that reasonable costs up to $1,000,000, for each release, can be paid by the SUPERB account for site rehabilitation actions associated with this release. Should cleanup costs exceed $1,000,000, Acme Petroleum and Fuel Company, Inc. under state and federal law, retains responsibility for any additional actions and associated costs.

Monitoring well MW-4a was installed on Mr. Macchiaverna's property as part of the assessment investigation. The sample collected in March 1999 was analyzed for dissolved petroleum constituents such as BTEX (Benzene, Toluene, Ethylbenzene, Xylene). The laboratory analysis detected the following constituents as listed below in parts per billion:

Chemical of Concern	Results	Maximum Contaminant Level
Benzene	**1,400**	**5**
Toluene	**1,100**	**1,000**
Ethylbenzene	**52**	**700**
Xylenes	**3,600**	**10,000**

The levels of benzene and toluene exceed the drinking water standard established by the Environmental Protection Agency (EPA). No other petroleum compounds were detected at levels above established drinking water standards. MW-4a was installed as a monitoring well and is not a source of drinking water.

Upon completion of the assessment activities, this release may proceed to corrective action. The UST owner/operator and the Department will require access to your property during reasonable hours to perform necessary rehabilitation activities. You will be contacted by letter before corrective action is initiated. Rehabilitation activities remain the responsibility of the Acme Petroleum and Fuel Company, Inc.

The Department is not aware of any laws or regulations that prohibit the use or development of adjacent properties and properties where a petroleum release has occurred. However, the Department advises against installing a water supply well for drinking, cooking, or bathing purposes until active corrective action is completed. If you should choose to install a water supply well for these purposes at this time, it is at your discretion. As stated above, active corrective action measures will be implemented to rehabilitate affected ground water to acceptable levels.

If you have any questions, please do not hesitate to call me at (803) 898-4334.

Sincerely,

Julie May

Julie M. May , Hydrogeologist
Owner/Operator Assistance Section
Assessment and Corrective Action Division

cc: Mr. Pete Overton, Acme Petroleum and Fuel Company, Inc, PO Box 2359, Gastonia, NC 28053
Read/Technical Files

SCDHEC/UST/10.11.01/jmm/07584adjconc

D H E C
PROMOTE PROTECT PROSPER
2600 Bull Street
Columbia, SC 29201-1708

NOV 21 2000

CERTIFIED MAIL
7099 3220 0008 7880 4539

FAST POINT FOOD STORES
VICTOR PATEL
2811 REIDVILLE RD SUITE 11
SPARTANBURG SC 29301-3227

RE: Fast Point #24
UST Permit # 07584
Right-of-Entry Agreement
Richland County

Dear Mr. Patel:

The Underground Storage Tank Program of the South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed the Tier II Assessment Report submitted by Kimbrell & Associates for this site.

The results of the investigation reveal the presence of chemicals of concern (CoC) in excess of Risk-Based Screening Levels (RBSL). The results of fate & transport modeling indicate that these CoCs also exceed the calculated Site Specific Target Levels (SSTLs). In order to protect human health and the environment, the next scope of work to be performed at this site is **Active Corrective Action.**

I have enclosed the Right-of-Entry Form that must be completed for ACA to proceed under the State Lead Option. This is the option that Acme Oil Company has chosen for ACA at this site. Please complete this form and return it to this office. The Program sincerely appreciates your cooperation in this matter.

On all correspondence regarding this site, please reference **UST Permit #07584.** If you have any questions concerning this correspondence, please contact me at 803-898-4325 or 1(800) 826-5435 (within SC only). Again, thank you for your time and cooperation in this matter.

Sincerely,

Michael A. Bishop, Hydrogeologist
Owner/Operator Assistance Section
Assessment & Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

enc: ROE Form

cc: Technical File (n/enc)

UST PROGRAM DOCKETING # 1164

DHEC/UST/112100

D H E C
PROMOTE PROTECT PROSPER
2600 Bull Street
Columbia, SC 29201-1708

BUREAU OF
UNDERGROUND STORAGE TANK MANAGEMENT

Phone (803) 898-4325 Fax (803) 898-4330

OCT 06 2000

FAST POINT FOOD STORES
VICTOR PATEL
2811 REIDVILLE RD SUITE 11
SPARTANBURG SC 29301-3227

RE: Fast Point #24
UST Permit # 07584
Right-of-Entry Agreement
Richland County

Dear Mr. Patel:

The Bureau of Underground Storage Tank Management of the South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed the Tier II Assessment Report submitted by Kimbrell & Associates for this site.

The results of the investigation reveal the presence of chemicals of concern (CoC) in excess of Risk-Based Screening Levels (RBSL). The results of fate & transport modeling indicate that these CoCs also exceed the calculated Site Specific Target Levels (SSTLs). In order to protect human health and the environment, the next scope of work to be performed at this site is **Active Corrective Action.**

I have enclosed the Right-of-Entry Form that must be completed for ACA to proceed under the State Lead Option. This is the option that Acme Oil Company has chosen for ACA at this site. Please complete this form and return it to this office. The Bureau sincerely appreciates your cooperation in this matter.

On all correspondence regarding this site, please reference **UST Permit #07584**. If you have any questions concerning this correspondence, please contact me at 803-898-4325 or 1(800) 826-5435 (within SC only). Again, thank you for your time and cooperation in this matter.

Sincerely,

Michael A. Bishop, Hydrogeologist
Owner/Operator Assistance Section
Assessment & Corrective Action Division
Bureau of Underground Storage Tank Management

enc: ROE Form

cc: Technical File (n/enc)
Pete Overton, Acme Petroleum, PO box 2359, Gastonia, NC 28053

DHEC/UST/100500

UST PROGRAM
DOCKETING # 165 Tech

D H E C
PROMOTE PROTECT PROSPER
2600 Bull Street
Columbia, SC 29201-1708

BUREAU OF
UNDERGROUND STORAGE TANK MANAGEMENT

Phone (803) 898-4350 Fax (803) 898-4330

CERTIFIED MAIL
7099 3220 0008 7885 4442

SEP 28 2000

PACEMAKER LEASING CORP INC
PETE OVERTON
PO BOX 2359
GASTONIA NC 28053-2359

Re: Fast Point #24
UST Permit # 07584, Cost Proposal # 05801
Richland County

Dear Mr. Overton:

According to our records, an invoice (with copies of your canceled check (front and back) or a notarized statement from the contractor verifying payment if related to work performed under a 25K deductible) for the assessment report submitted June 2000 in has not been received. **If the Invoice and proof of payment (if applicable) is not received within thirty days from the date of this letter, the referenced cost proposal will be closed and any eligible costs will not be reimbursed or applied to your deductible if one exists.**

On all correspondence regarding this site, please reference UST Permit # 07584. Please feel free to call me at (803) 898-4325 or 1-800-826-5435 (within South Carolina only) if you have questions or need additional information.

Sincerely,

Michael A. Bishop, Hydrogeologist
Owner/Operator Assistance Section
Assessment and Corrective Action Division
Bureau of Underground Storage Tank Management

cc: ~~Technical File~~
Financial File

UST PROGRAM
DOCKETING # 16 Breen

SCDHEC/UST/092000

D H E C
PROMOTE PROTECT PROSPER
2600 Bull Street
Columbia, SC 29201-1708

BUREAU OF
UNDERGROUND STORAGE TANK MANAGEMENT
2600 Bull Street
Columbia, SC 29201
Phone (803) 898-4350 Fax (803) 898-4330

SEP 20 2000

PACEMAKER LEASING CORP INC
PETE OVERTON
PO BOX 2359
GASTONIA, NC 28053-2359

Re: Fast Point #24
UST Permit #07584
Release reported April 17, 1998
Richland County

Dear Mr. Overton:

The Bureau of Underground Storage Tank Management of the South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed the Rapid Assessment Report submitted by Kimbrell & Associates.

The results of the investigation reveal the presence of chemicals of concern (CoC) in excess of Risk-Based Screening Levels (RBSL). The report also indicated the presence of free phase petroleum products in the subsurface. The site's priority classification is 2B. In order to protect human health and the environment, **Active Corrective Action** will be necessary at this site in order to eliminate the free phase petroleum. Additional monitoring wells will also be necessary to delineate the contaminant plume.

A minimum of three competitive price quotations must be submitted to establish a reasonable cost for corrective action at your site. If you wish to solicit price quotations and select your own contractor, the Department will prepare a request for price quotation package and mail copies to you. In addition to the price quotations you may personally solicit, the Department will announce the request for price quotations in the South Carolina Business Opportunities (SCBO) to ensure enough price quotations are received to initiate corrective action in a timely manner. This announcement will clearly indicate that the UST owner/operator will make the contractor selection to receive financial approval at the most reasonable cost as determined by the request for price quotations. If you wish to utilize this option, please complete the enclosed ACA Choice form and return it within 15 days of the date of this letter.

If you would like the SCDHEC to procure a contractor on your behalf, please complete the enclosed Permission Form. The Permission Form should be returned to this office within 15 days of the date of this letter. All rehabilitation activities associated with a UST release must be performed by a SCDHEC certified site rehabilitation contractor as required by R.61-98. Under this option, the Bureau will seek a separate Right-of-Entry agreement with the property owner.

UST PROGRAM
DOCKETING # 16[illegible]

On all correspondence or inquiries regarding this project, please reference **UST Permit #07584**. If you have any questions, please contact me at (803) 898-4325 or (800) 826-5435 (within South Carolina only).

Sincerely,

Michael A. Bishop, Hydrogeologist
Owner/Operator Assistance Section
Assessment and Corrective Action Division
Bureau of Underground Storage Tank Management

enc: ACA Choice Form
Permission Form
cc: Technical File

SCDHEC/UST/071000

D H E C
PROMOTE PROTECT PROSPER
2600 Bull Street
Columbia, SC 29201-1708

BUREAU OF
UNDERGROUND STORAGE TANK MANAGEMENT

Phone (803) 898-4350 Fax (803) 898-4330

APR 20 2000

CERTIFIED MAIL
Z 326 810 278

PACEMAKER LEASING CORP INC
PETE OVERTON
PO BOX 2359
GASTONIA, NC 28053-2359

Re: Fast Point #24
UST Permit #07584, CP#05801
Notice of Violation
Richland County

Dear Mr. Overton:

The Bureau of Underground Storage Tank (UST) Management of the South Carolina Department of Health and Environmental Control directed you to complete a Rapid Assessment in September 1998 with the assessment report due on November 30, 1998. To date the required report has not been received. In accordance with Section 280.65 of the South Carolina Underground Storage Tank Regulations the assessment must be conducted as documented chemicals of concern are above the risk-based-screening levels.

Implementation of this scope of work should proceed upon receipt of this correspondence. **The report must be submitted within 30 days from the date of this letter. If the report is not received in accordance with this schedule, enforcement procedures will be initiated.**

On all correspondence regarding this site, please reference UST Permit # 07584. If you have any questions concerning this correspondence, please call meat (803) 898-4325 or 1-800-826-5435(within South Carolina only).

Sincerely,

Michael A. Bishop, Hydrogeologist
Owner/Operator Assistance Section
Assessment and Corrective Action Division
Bureau of Underground Storage Tank Management

cc: Technical File
Read File

SCDHEC/UST/041300

UST PROGRAM
DOCKETING # 168-tech

D H E C
PROMOTE PROTECT PROSPER
2600 Bull Street
Columbia, SC 29201-1708

DIVISION
UNDERGROUND STORAGE TANK MANAGEMENT

Phone (803) 898-4325 Fax (803) 898-4330

MAR 04 1999

CERTIFIED MAIL
Z 307 892 096

Providence Hospital
Mr. Andrew Diggins
2435 Forest Drive
Columbia, SC 29204

Re: Former Fast Point #24, 2367 Taylor Street, Columbia, SC
Facility ID #07584
Access to Hospital Property
Richland County

Dear Mr. Diggins:

The Division of Underground Storage Tank Management of the South Carolina Department of Health and Environmental Control is conducting work to assess a gasoline release reported at the Former Fast Point Property. Kimbrell & Associates is under contract with Pacemaker Leasing Corp. to perform the environmental assessment of the referenced site. Kimbrell & Associates needs access to your property (identified as 1600 Two Notch Road) in order to sample/possibly install monitoring wells, so they can better assess the effects of the gasoline release.

The permanent monitoring wells will be constructed in accordance with the South Carolina Well Standards and Regulations. It will be completed at grade and will have a small diameter manhole cover and concrete pad. It will not interfere with normal usage of your property. The wells will be "permanent" until such time as remediation activities are completed at this site. Once the necessary activities are completed, it will be properly abandoned and no permanent effects will remain on your property.

If you would like to discuss this matter, please contact Michael A. Bishop **within ten days** of the date of this letter. If you do not have any questions, please sign the enclosed Right-of-Entry form and return it to the attention of Michael A. Bishop **no later than March 12, 1999.**.

Sincerely,

Owner/Operator Assistance Section
Assessment and Corrective Action Branch
Division of Underground Storage Tank Management

Michael A. Bishop, Hydrogeologist

Lee A. Monts, Manager

enc: Right of Entry Form

cc:: Phil Kimbrell, Kimbrell & Associates, 14405 Raynham Drive, Charlotte, NC 28262 (n/enc)
Technical File (n/enc)

DHEC/UST/030399

UST PROGRAM
DOCKETING # 109 Tech

D H E C
PROMOTE PROTECT PROSPER
2600 Bull Street
Columbia, SC 29201-1708

DIVISION OF
UNDERGROUND STORAGE TANK MANAGEMENT

Phone (803) 898-4325. Fax (803) 898-4330

FEB 08 1999

CERTIFIED MAIL
Z 497 763 328

James A. & Marilyn L. Bundrick
217 Palmer Drive
Lexington, SC 29072

Re: Former Fast Point #24, 2367 Taylor Street, Columbia, SC
Facility ID #07584
Access to Bundrick Property
Richland County

Dear Mr. & Mrs. Bundrick:

The Division of Underground Storage Tank Management of the South Carolina Department of Health and Environmental Control is directing work to assess a gasoline release reported at the Former Fast Point #24 Property. Kimbrell & Associates is under contract with Pacemaker Leasing Corp. to perform the environmental assessment. Kimbrell & Associates needs access to the property in order to install goundwater monitoring well(s)..

The permanent monitoring wells will be constructed in accordance with the South Carolina Well Standards and Regulations. Each well will be completed at grade and will have a small diameter manhole cover and concrete pad. The wells will not interfere with normal usage of your property. The well will be "permanent" until such time as remediation activities are completed at this site. Once the necessary activities are completed, the wells will be properly abandoned and no permanent effects will remain on your property.

The Department has the authority pursuant to the State Underground Petroleum Environmental Response Bank Act (S.C. Code Ann. § 44-2-10 *et seq.* (Supp. 1996)) and the Underground Storage Tank Control Regulations (S.C. Code Ann. Regs. 61-92 (Supp.1996)) to hold Pacemaker Leasing Corp. the owner/operator, responsible for addressing the existing contamination. The Department also has authority, however, under the Pollution Control Act (S.C. Code Ann.§ 44-1-10 *et seq.* (1976)), as amended, to require each and every individual property owner to abate pollution on his or her own property. Indeed, the South Carolina Supreme Court has held landowners strictly liable under the Pollution Control Act for contamination emanating from their property. The Department believes it to be in your best interest to allow Pacemaker Leasing Corp. and its contractor ,Kimbrell & Associates, to address the contamination problem as they, until now, have done.

The Division requests that you allow the assessment to proceed in a timely manner and return the required right of entry form. **Please complete the attached right of entry form and return it to the attention of Michael Bishop within 10 days from your date of receipt. If not, the Department may pursue a court order to gain access to the property.**

Sincerely,
Owner/Operator Assistance Section
Assessment and Corrective Action Branch
Division of Underground Storage Tank Management

Michael A. Bishop, Hydrogeologist

Lee A. Monts, Manager

UST PROGRAM
DOCKETING # 170-Tech

enc: Right of Entry Form

cc: Phil Kimbrell, Kimbrell & Associates, 14405 Raynham Drive, Charlotte, NC 28262 (n/enc)
Technical File (n/enc)
DHEC/UST/020599

D H E C
PROMOTE PROTECT PROSPER
2600 Bull Street
Columbia, SC 29201-1708

DIVISION OF
UNDERGROUND STORAGE TANK MANAGEMENT

Phone (803) 898-4325 Fax (803) 898-4330

JAN 20 1999

CERTIFIED MAIL
Z 497 763 222

James A. & Marilyn L. Bundrick
217 Palmer Drive
Lexington, SC 29072

Re:. Former Fast Point #24, 2367 Taylor Street, Columbia, SC
Facility ID #07584
Access to Bundrick Property
Richland County

Dear Mr. & Mrs. Bundrick:

The Division of Underground Storage Tank Management of the South Carolina Department of Health and Environmental Control is conducting work to assess a gasoline release reported at the Former Fast Point Property. Kimbrell & Associates is under contract with Pacemaker Leasing Corp. to perform the environmental assessment of the referenced site. Kimbrell & Associates needs access to your property in order to install additional monitoring wells, so they can better assess the effects of the gasoline release.

The permanent monitoring wells will be constructed in accordance with the South Carolina Well Standards and Regulations. It will be completed at grade and will have a small diameter manhole cover and concrete pad. It will not interfere with normal usage of your property. The wells will be "permanent" until such time as remediation activities are completed at this site. Once the necessary activities are completed, it will be properly abandoned and no permanent effects will remain on your property.

If you would like to discuss this matter, please contact Michael A. Bishop **within ten days** of the date of this letter. If you do not have any questions, please sign the enclosed Right-of-Entry form and return it to the attention of Michael A. Bishop **no later than February 5, 1999.**.

Sincerely,

Owner/Operator Assistance Section
Assessment and Corrective Action Branch
Division of Underground Storage Tank Management

Michael A. Bishop, Hydrogeologist

Lee A. Monts, Manager

enc: Right of Entry Form

cc:: Phil Kimbrell, Kimbrell & Associates, 14405 Raynham Drive, Charlotte, NC 28262 (n/enc)
Technical File (n/enc)

DHEC/UST/011999

UST PROGRAM
DOCKETING # 1113 Tech

D H E C

PROMOTE PROTECT PROSPER

2600 Bull Street
Columbia, SC 29201-1708

DIVISION OF
UNDERGROUND STORAGE TANK MANAGEMENT

Phone (803) 898-4325 Fax (803) 898-4330

JAN 20 1999

CERTIFIED MAIL
Z 497 763 221

Mr. Frank R. Macchiaverna
1201 Main Street, Suite 1980
Columbia, SC 29201

Re: Former Fast Point #24, 2367 Taylor Street, Columbia, SC
Facility ID #07584
Access to Macchiaverna Property
Richland County

Dear Mr. Macchiaverna:

The Division of Underground Storage Tank Management of the South Carolina Department of Health and Environmental Control is conducting work to assess a gasoline release reported at the Former Fast Point Property. Kimbrell & Associates is under contract with Pacemaker Leasing Corp. to perform the environmental assessment of the referenced site. Kimbrell & Associates needs access to your property in order to install a monitoring well, so they can better assess the effects of the gasoline release.

The permanent monitoring well will be constructed in accordance with the South Carolina Well Standards and Regulations. It will be completed at grade and will have a small diameter manhole cover and concrete pad. It will not interfere with normal usage of your property. The wells will be "permanent" until such time as remediation activities are completed at this site. Once the necessary activities are completed, it will be properly abandoned and no permanent effects will remain on your property.

If you would like to discuss this matter, please contact Michael A. Bishop **within ten days** of the date of this letter. If you do not have any questions, please sign the enclosed Right-of-Entry form and return it to the attention of Michael A. Bishop **no later than February 5, 1999.**.

Sincerely,

Owner/Operator Assistance Section
Assessment and Corrective Action Branch
Division of Underground Storage Tank Management

Michael A. Bishop, Hydrogeologist

Lee A. Monts, Manager

enc: Right of Entry Form

cc:: Phil Kimbrell, Kimbrell & Associates, 14405 Raynham Drive, Charlotte, NC 28262 (n/enc)
Technical File (n/enc)

DHEC/UST/011999

UST PROGRAM
DOCKETING # 172 Tech

D H E C
PROMOTE PROTECT PROSPER
2600 Bull Street
Columbia, SC 29201-1708

DIVISION OF
UNDERGROUND STORAGE TANK MANAGEMENT

Phone (803) 898-4325 Fax (803) 898-4330

JAN 20 1999

CERTIFIED MAIL
Z 497 763 220

Greater Columbia Area Healthcare System LLP
Tax Office
C/O 1 Park Plaza Bldg. I, 4th Floor
Nashville, TN 37203

Re: Former Fast Point #24, 2367 Taylor Street, Columbia, SC
Facility ID #07584
Access to Greater Columbia Area Healthcare System LLP Property
Richland County

To Whom It May Concern:

The Division of Underground Storage Tank Management of the South Carolina Department of Health and Environmental Control is conducting work to assess a gasoline release reported at the Former Fast Point Property. Kimbrell & Associates is under contract with Pacemaker Leasing Corp. to perform the environmental assessment of the referenced site. Kimbrell & Associates needs access to your property (identified as 1600 Block of Two Notch Road) in order to install monitoring wells, so they can better assess the effects of the gasoline release.

The permanent monitoring wells will be constructed in accordance with the South Carolina Well Standards and Regulations. It will be completed at grade and will have a small diameter manhole cover and concrete pad. It will not interfere with normal usage of your property. The wells will be "permanent" until such time as remediation activities are completed at this site. Once the necessary activities are completed, it will be properly abandoned and no permanent effects will remain on your property.

If you would like to discuss this matter, please contact Michael A. Bishop **within ten days** of the date of this letter. If you do not have any questions, please sign the enclosed Right-of-Entry form and return it to the attention of Michael A. Bishop **no later than February 5, 1999.**.

Sincerely,

Owner/Operator Assistance Section
Assessment and Corrective Action Branch
Division of Underground Storage Tank Management

Michael A. Bishop, Hydrogeologist

Lee A. Monts, Manager

UST PROGRAM
DOCKETING# 178 Tech

enc: Right of Entry Form

cc:: Phil Kimbrell, Kimbrell & Associates, 14405 Raynham Drive, Charlotte, NC 28262 (n/enc)
Technical File (n/enc)

DHEC/UST/011999

D H E C

PROMOTE PROTECT PROSPER

2600 Bull Street
Columbia, SC 29201-1708

DIVISION OF
UNDERGROUND STORAGE TANK MANAGEMENT

Phone (803) 898-4325 Fax (803) 898-4330

JAN 20 1999

CERTIFIED MAIL
Z 497 763 219

Churpeyes Inc.
D/B/A Church's Chicken
Mr. Leon Irons
PO Box 1026
Columbia, SC 29202

Re: Former Fast Point #24, 2367 Taylor Street, Columbia, SC
Facility ID #07584
Access to Church's Chicken Property
Richland County

Dear Mr. Irons:

The Division of Underground Storage Tank Management of the South Carolina Department of Health and Environmental Control is conducting work to assess a gasoline release reported at the Former Fast Point Property. Kimbrell & Associates is under contract with Pacemaker Leasing Corp. to perform the environmental assessment of the referenced site. Kimbrell & Associates needs access to your property (identified as 2436 Taylor Street) in order to install monitoring wells, so they can better assess the effects of the gasoline release.

The permanent monitoring wells will be constructed in accordance with the South Carolina Well Standards and Regulations. It will be completed at grade and will have a small diameter manhole cover and concrete pad. It will not interfere with normal usage of your property. The wells will be "permanent" until such time as remediation activities are completed at this site. Once the necessary activities are completed, it will be properly abandoned and no permanent effects will remain on your property.

If you would like to discuss this matter, please contact Michael A. Bishop **within ten days** of the date of this letter. If you do not have any questions, please sign the enclosed Right-of-Entry form and return it to the attention of Michael A. Bishop **no later than February 5, 1999.**.

Sincerely,

Owner/Operator Assistance Section
Assessment and Corrective Action Branch
Division of Underground Storage Tank Management

Michael A. Bishop, Hydrogeologist

Lee A. Monts, Manager

UST PROGRAM
DOCKETING # 17[illegible]

enc: Right of Entry Form

cc:: Phil Kimbrell, Kimbrell & Associates, 14405 Raynham Drive, Charlotte, NC 28262 (n/enc)
Technical File (n/enc)

DHEC/UST/011999

Record Group # 169

D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

Report On Records Destroyed
Records and Forms Management Unit
(UST Program ONLY)

1. Return this form to:
DHEC Forms Manager-Heritage Building
1777 St. Julian Place
Columbia, SC 29204

The records listed below have been disposed of in accordance with provisions of the Public Records Act, Code of Laws of South Carolina, 1976, Sections 30-1-10 through 30-1-140, as amended, and approved Records Retention Schedules.

2. Signature: Marguerite Wallace

3. Title: Administrative Specialist II Date:

Records Officer signature:

4. Record Series Titles	5. Record Series #	6. Inclusive Dates	7. Volume (cubic footage)	8. Date of Destruction
Tier I Assessment Report	10302	6/30/00	0.01	1-14-02
Report of Hydrogeologic Asmt.	"	11/12/93	0.007	"
*Documents put in recycle box on date of destruction.			9)	Total cubic Feet destroyed

SITE ID # 07584 FACILITY NAME:

REVIEWED BY KTA

DHEC 0521 (4/1998) Page 1 of 2 [Records Retention schedule #'s 12-300 and 12-331]

UST PROGRAM DOCKETING # 175 Tech

D H E C
PROMOTE PROTECT PROSPER
2600 Bull Street
Columbia, SC 29201-1708

Mr. Pete Overton
Pacemaker Leasing Corp.
PO Box 2359
Gastonia, SC 28053

SEP 09 1998

Re: Fast Point #24
Facility ID: #07584, CP #05801, MWA #10112
Release Reported April 17, 1998
Rapid Assessment Plan received August 31, 1998
Richland County

UST PROGRAM
DOCKETING# 170 Tech

Dear Mr. Overton:

The Division of Underground Storage Tank Management recognizes your commitment to continue work at this site utilizing your own contractor. The Division has reviewed the referenced rapid assessment plan and cost proposal submitted by Froehling & Robertson.

Assessment activities at the site should begin immediately upon receipt of this letter to define the vertical and horizontal extent of soil and ground-water chemicals of concern, all receptors and potential exposure pathways, and conduct tier II modeling for each chemical of concern above the Risk-Based Screening Level. Cost Proposal #05801 has been approved for $24,113.20. This includes the adjustment of the following rates and/or site rehabilitation activities proposed in the cost proposal to ensure compliance with current SUPERB program criteria per Section 44-2-20(2):

•	Item 11F:	$140.00	**less** for RCRA Metals sample. A waste oil tank has not been identified at this site.
•	Item 11Q:	$65.00	**more** for TPH soil sample. Per the Rapid Assessment Guidance Document dated June 20, 1997 "soil sample shall be collected from the stratigraphic level exhibiting the highest organic vapor measurement above the water table and analyzed for TPH using EPA method 3550."
•	Item 11S:	$210.00	**less** for TOC samples. A single soil sample collected from a background soil boring shall be analyzed for TOC using EPA method 415.1.
•	Item 15A:	$300.00	**less**for a Tier I evaluation. This cost is incorporated in the approved Tier II evaluation rate.
•	Item 16:	$260.00	**more** for a subsequent survey. This component was added in order to provide monitoring well elevation data.
•	Item 19:	$54.75	**less** for project management coordination. This component was adjusted to reflect the changes listed above.

According to our records, the release was reported to the SCDHEC subsequent to the early detection incentive program. Therefore, in accordance with Section 44-2-40(B) of the Act, Pacemaker Leasing Corp. is responsible for the first $25,000 for site rehabilitation. To insure that any expenditures you make apply to this $25,000 deductible, it is prudent for this agency to pre-approve such costs along with your technical plan of action. **By law, the SUPERB account cannot compensate any costs that are not pre-approved.** Eligible costs exceeding the $25,000 deductible can be compensated from the SUPERB Account. Once the completed technical report is received, the approvable amount of the invoice will be applied towards the deductible for this site.

Please note that all applicable South Carolina certification requirements apply to the laboratory services, well installation, and report preparation. All site rehabilitation activities must be performed and submitted by a South Carolina Certified Underground Storage Tank Site Rehabilitation Contractor. Approval to install seven shallow water monitoring wells has been provided to your environmental consultant; a copy is enclosed for your records. A Rapid Assessment Report should be submitted to the Division within 90 days of the date of this letter.

Please note that Sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that no costs will be allowed unless prior approval from the Department is obtained. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be preapproved by the Department for the cost to be paid. The SCDHEC reserves the authority to pay only for work properly performed and/or technically justified and will only pay rates in accordance with established criteria. Further, SCDHEC reserves the right to question and/or reject costs if deemed unreasonable. The SCDHEC reserves the right to audit project records at any time during the project or after completion of work.

The Division grants preapproval for transportation of virgin petroleum contaminated soil and groundwater from the referenced site to a permitted treatment facility. The contaminated soil or groundwater must be properly stored in labeled containers or covered with plastic as appropriate. The contaminated soil and/or ground water must be accepted by the approved treatment facility. There can be no spillage or leakage in transport. A copy of the disposal manifest and/or acceptance letter from the receiving facility that clearly designates the quantity received must be included as an appendix to the final report. If the levels of petroleum contamination based on laboratory analysis are below risk-based screening levels, please contact the project manager for approval to dispose of soil and/or ground water on site. The SUPERB Account will not compensate for transportation or treatment of clean soil and/or ground water.

On all correspondence concerning this site, please reference **Facility ID #07584 and Cost Proposal #05801.** If there are any questions concerning this project, please contact Michael A. Bishop at (803) 734-0890 or (800) 826-5435 (within South Carolina only).

Sincerely,

Owner/Operator Assistance Section
Assessment and Corrective Action Branch
Division of Underground Storage Tank Management

Michael A. Bishop, Hydrogeologist

Lee A. Monts, Manager

enc: Approved Cost Proposal
Monitoring Well Approval (copy)

cc: Technical File (w/enc)
Financial File (w/enc)
Kimbrell & Associates, Mr. Phil Kimbrell, 14405 Raynham Drive, Charlotte, NC 28262(w/enc)
William F. Edelen, F&R, 2806 N. Graham St., Charlotte, NC 28206 (w/enc & original MWA)

SCDHEC/UST/090298

D H E C
PROMOTE PROTECT PROSPER
2600 Bull Street
Columbia, SC 29201-1708

Monitoring Well Installation Approval Form

Approval No.: 10112

Date of Issue: 09/02/98

Approval is hereby granted to: Froehling & Robertson
(On behalf of): Mr. Pete Overton
Facility ID #: 07584
County: Richland

This approval is for the construction of 7 permanent and 140 feet of temporary monitoring wells in accordance with the construction plans and technical specifications outlined in the Rapid Assessment Document. The well(s) are to be constructed within the surficial aquifer for the intended purpose of monitoring ground-water quality and/or water level(s) at the referenced facility. Approval is provided with the following conditions:

1. The latitude and longitude, surveyed elevations, boring and/or geologist logs and actual (as built) construction details for each well will be submitted with the technical report.

2. Each well will be labeled with an identification plate constructed of a durable material affixed to the casing or surface pad where it is readily visible. The plate will provide monitoring well I.D.#, date of construction, static water level, and driller name and state certification #.

3. Well construction and sampling derived waste including, but not necessarily limited to, drill cuttings, drilling fluids, development and purge water should be managed properly and in compliance with applicable requirements. If containerized, each vessel should be clearly labeled with regard to contents, source, and date of activity.

4. A minimum of forty-eight (48) hours prior to initiation of drilling activities, please provide notice to Michael A. Bishop at (803) 734-0890 or bishopma@columb26.dhec.state.sc.us.

5. Please provide ground-water quality analytical data (chemical analysis and/or water level(s)) and associated measurements (i.e., in-situ field measurements) to me with the technical report.

6. Monitoring wells and temporary monitoring wells will be installed by or under the direct supervision of a licensed well driller certified by the State of South Carolina.

7. Monitoring wells and temporary monitoring wells will be abandoned by or under the direct supervision of a licensed well driller certified by the State of South Carolina. Temporary monitoring wells shall not remain in place for longer than 30 days from the date of installation. Monitoring wells may be abandoned only upon concurrence by this Division.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and the Department of Health and Environmental Control Regulations R.61-71. Please remember to have a copy of this approval on the site during well installation.

Approved by: Michael A. Bishop

Michael A. Bishop, Hydrogeologist
Owner/Operator Assistance Section
Division of UST Management

cc: Central Midlands District EQC

ASSESSMENT COMPONENT COST PROPOSAL

SOUTH CAROLINA
Department of Health and Environmental Control
Bureau of Underground Storage Tank Management
State Underground Petroleum Environmental Response Bank Account

Site Name: Fast Point #24
Site ID #: 07584 CP#: 05801

ITEM	QUANTITY	UNIT		UNIT PRICE	TOTAL
1. Plan Preparation*	1		x	$100.00	$ $100.00
2. Receptor Survey*	1		x	$500.00	$ $500.00
3. Comprehensive Survey	1		x	$1,000.00	$ $1,000.00
4. Mob/Demob (List component #)					
A. Equipment	1		x	$500.00	$ $500.00
B. Personnel	6		x	$250.00	$ $1,500.00
5. Soil Borings (hand auger)*		feet	x	$14.00	$ $0.00
6. Soil Borings (drilled)	(includes collection and quantification)				
and Field Screening*	140	feet	x	$17.00	$ $2,380.00
7. Soil Leachability Model	1		x	$200.00	$ $200.00
8. Abandonment*	50	feet	x	$4.00	$ $200.00
9. Well Installation*	(includes drilling costs)				
A. Water Table (hand auger)		feet	x	$20.00	$ $0.00
B. Water Table (drilled)	175	feet	x	$38.00	$ $6,650.00
C. Telescoping		feet	x	$58.00	$ $0.00
D. Rock Drilling		feet	x	$58.00	$ $0.00
10. Sample Collection					
A. Water	7	samples	x	$55.00	$ $385.00
11. Analyses-Groundwater	(See RA Guidance for site specific analyses)				
A. BTEX+Napth.+MTBE		samples	x	$100.00	$ $0.00
B. BTEX+Napth.+MTBE+ Trimethylbenzene	7	samples	x	$135.00	$ $945.00
C. PAH's	7	samples	x	$120.00	$ $840.00
D. Lead	7	samples	x	$20.00	$ $140.00
E. EDB	7	samples	x	$55.00	$ $385.00
F. 8 RCRA Metals		samples	x	$140.00	$ $0.00
G. TPH (9070)		samples	x	$55.00	$ $0.00
H. pH	7	samples	x	$10.00	$ $70.00
I. BOD	1	samples	x	$40.00	$ $40.00
J. Nitrate	7	samples	x	$20.00	$ $140.00
K. Sulfate	7	samples	x	$20.00	$ $140.00
L. Ferrous Iron	7	samples	x	$20.00	$ $140.00

Continue on back of page

ASSESSMENT COMPONENT COST PROPOSAL					
11. Analyses-Soil					
M. BTEX + Napth.	7	samples	x	$100.00	$ $700.00
N. PAH's	7	samples	x	$120.00	$ $840.00
O. 8 RCRA Metals		samples	x	$150.00	$ $0.00
P. TPH (9071)		samples	x	$60.00	$ $0.00
Q. TPH (3550)	1	samples	x	$65.00	$ $65.00
R. Grain size / hydrometer	1	samples	x	$63.00	$ $63.00
S. Total Organic Carbon	7	samples	x	$35.00	$ $245.00
12. Aquifer Characterization*					
A. Pumping Test		hours	x	$120.00	$ $0.00
B. Slug test	3	tests	x	$150.00	$ $450.00
13. Free Product Recovery Rate Test*	3	tests	x	$120.00	$ $360.00
14. Fate/Transport Modeling					
A. Mathematical Model		models	x	$300.00	$ $0.00
B. Computer Model	1	models	x	$500.00	$ $500.00
15. Risk Evaluation					
A. Tier I			x	$300.00	$ $0.00
B. Tier II	1		x	$500.00	$ $500.00
16. Subsequent Survey*	1		x	$260.00	$ $260.00
17. Disposal*					
A. Wastewater					
1. Purging/Sampling	3	drums	x	$90.00	$ $270.00
2. Pumping test		gallons	x	$0.60	$ $0.00
B. Free Product	1	drums	x	$110.00	$ $110.00
C. Soil (Treatment/Disposal)		tons	x	$50.00	$ $0.00
	7	drums	x	$50.00	$ $350.00
18. Miscellaneous* (receipts required)					
			x		$ $0.00
			x		$ $0.00
			x		$ $0.00
			x		$ $0.00
19. Report/Project Management				(SUBTOTAL)	
and Coordination	0.15		x	$20,968.00	$ $3,145.20
20. Total					$ $24,113.20

NEWACCP97-98/05/19/97)

*The appropriate mobilization cost can be added to complete these tasks, as necessary.

D H E C
PROMOTE PROTECT PROSPER
2600 Bull Street
Columbia, SC 29201-1708

DIVISION OF
UNDERGROUND STORAGE TANK MANAGEMENT

Phone (803) 734-4844 Fax (803) 734-3604

JUN 19 1998

Mr. Pete Overton
Pacemaker Leasing Corp., Inc.
P.O. Box 2359
Gastonia, NC 28053-2359

Re: Fast Point #24,
2367 Taylor St., Columbia, SC
Site ID: #07584
Release Reported April 17, 1998, 2nd Release
Richland County

UST PROGRAM
DOCKETING # 179

Dear Mr. Overton:

The referenced report indicates free product at the referenced site. To determine what risk the release may pose to the environment and public health, and in accordance with Section 280.65 of the South Carolina Underground Storage Tank Control Regulations, implementation of a Rapid Assessment as outlined in the enclosed Rapid Assessment Document is necessary. Please have your contractor complete and submit the enclosed Assessment Component Cost Proposal form and Rapid Assessment Plan forms within thirty days of the date of this letter. Every component may not be necessary to complete the above scope of work. The SUPERB allowable cost for each component is included on the Assessment Cost Proposal Form. **Please complete and return the enclosed Underground Storage Tank Owner/Operator Information Sheet (note that all rehabilitation activities associated with a UST release must be performed by a SCDHEC certified site rehabilitation contractor as required by R.61-98).** If you need assistance in finding a contractor, please let us know upon receipt of this correspondence and we will provide you with a list of contractors for you to contact.

According to our records, the release was reported to the SCDHEC subsequent to the early detection incentive program. Therefore, in accordance with Section 44-2-40(B) of the Act, you are responsible for the first $25,000 for site rehabilitation. To insure that any expenditures you make apply to this $25,000 deductible, should this release become qualified for SUPERB funding, it is prudent for this agency to pre-approve such costs along with your technical plan of action. By law, the SUPERB account cannot compensate any costs that are not pre-approved. Eligible costs exceeding the $25,000 deductible may be compensated from the SUPERB Account.

To proceed with the qualification process for the State Underground Petroleum Environmental Response Bank (SUPERB) Act, it is necessary to provide written confirmation of the existence or nonexistence of an environmental insurance policy for this site. This information must be signed by the responsible party and a notary public. For your convenience, an insurance statement form has been enclosed. If an environmental insurance policy existed at the time of the release, a copy of the policy with all endorsements must be submitted with the insurance statement.

On all correspondence regarding this site, please reference the ID #07584. Please be sure to include the requested information so that the appropriate approvals can be issued. **Note: approval from the Department must be issued before work begins.** Please call B. Treadwell Kissam, at (803) 734-4844 if you have questions or need additional information.

Sincerely,
Owner/Operator Assistance Section
Assessment and Corrective Action Branch

B. Treadwell Kissam

B. Treadwell Kissam, P.G., Hydrogeologist

Lee A. Monts

Lee A. Monts, Manager

enc: UST Owner/Operator Information Sheet
Assessment Component Invoice Form
Assessment Component Cost Proposal Form
Rapid Assessment Document
Rapid Assessment Plan Form

cc: Financial File
Read/Technical Files

SCDHEC/UST/OOAS/btk/052698

SHEALY ENVIRONMENTAL SERVICES, INC.
Scientists and Consultants

106 VANTAGE POINT DRIVE
CAYCE, SOUTH CAROLINA 29033

(803) 791-9700
FAX (803) 791-9111

CERTIFICATE OF ANALYSIS

SC DHEC No. 32010 NC DEHNR No. 329

Client: SPECTRUM-NATIONWIDE ENVIRONMENTAL, INC.
P.O. Box 7351
Charlotte, NC 28241-7351

Project Name: Handy Pantry #65:Cola,SC

Attention: Stephen Hamilton

SHEALY Lab No: 139541NR
Description: Sample #1

Coll. Date: 06/16/98
Coll. Time:

Date Received: 06/18/98
Date Reported: 06/29/98

QA/QC Officer JAF

V.P. Analytical MA

*Based on dry weight

Parameters	Method	Result	Units	Date Prepared	Date Analyzed	Anal.
INORGANICS						
% Solids	160.3	89.0	%		06/23/98	JAF
VOLATILE ORGANICS*					06/24/98	RED
Benzene	8260A	<5.6	ug/kg			
Ethyl benzene	8260A	<5.6	ug/kg			
Naphthalene	8260A	177	ug/kg			
Toluene	8260A	<5.6	ug/kg			
Total Xylenes	8260A	72.8	ug/kg			
PAHS*				06/21/98	06/22/98	JAF
Acenaphthene	8270B	<374	ug/kg			
Acenaphthylene	8270B	<374	ug/kg			
Anthracene	8270B	<374	ug/kg			
Benzo(a)anthracene	8270B	<374	ug/kg			
Benzo(b+k)fluoranthene	8270B	<749	ug/kg			
Benzo(g,h,i)perylene	8270B	<374	ug/kg			
Benzo(a)pyrene	8270B	<374	ug/kg			
Chrysene	8270B	<374	ug/kg			
Dibenzo(a,h)anthracene	8270B	<374	ug/kg			
Fluoranthene	8270B	<374	ug/kg			
Fluorene	8270B	<374	ug/kg			
Indeno(1,2,3-c,d)pyrene	8270B	<374	ug/kg			
Naphthalene	8270B	<374	ug/kg			
Phenanthrene	8270B	<374	ug/kg			
Pyrene	8270B	<374	ug/kg			

UST PROGRAM
DOCKETING# 180 Trea

SHEALY ENVIRONMENTAL SERVICES, INC.

Scientists and Consultants

106 VANTAGE POINT DRIVE
CAYCE, SOUTH CAROLINA 29033

(803) 791-9700
FAX (803) 791-9111

CERTIFICATE OF ANALYSIS

SC DHEC No. 32010 NC DEHNR No. 329

Client: SPECTRUM-NATIONWIDE ENVIRONMENTAL, INC.
P.O. Box 7351
Charlotte, NC 28241-7351

Project Name: Handy Pantry #65:Cola,SC

Attention: Stephen Hamilton

SHEALY Lab No: 139542NR
Description: Sample #2

Coll. Date: 06/16/98
Coll. Time:

Date Received: 06/18/98
Date Reported: 06/29/98

QA/QC Officer _____

V.P. Analytical _____

*Based on dry weight

Parameters	Method	Result	Units	Date Prepared	Date Analyzed	Anal.
INORGANICS						
% Solids	160.3	91.9	%		06/23/98	JAF
VOLATILE ORGANICS*					06/24/98	RED
Benzene	8260A	<5.4	ug/kg			
Ethyl benzene	8260A	<5.4	ug/kg			
Naphthalene	8260A	162	ug/kg			
Toluene	8260A	<5.4	ug/kg			
Total Xylenes	8260A	457	ug/kg			
PAHS*				06/21/98	06/22/98	JAF
Acenaphthene	8270B	<362	ug/kg			
Acenaphthylene	8270B	<362	ug/kg			
Anthracene	8270B	<362	ug/kg			
Benzo(a)anthracene	8270B	<362	ug/kg			
Benzo(b+k)fluoranthene	8270B	<726	ug/kg			
Benzo(g,h,i)perylene	8270B	<362	ug/kg			
Benzo(a)pyrene	8270B	<362	ug/kg			
Chrysene	8270B	<362	ug/kg			
Dibenzo(a,h)anthracene	8270B	<362	ug/kg			
Fluoranthene	8270B	<362	ug/kg			
Fluorene	8270B	<362	ug/kg			
Indeno(1,2,3-c,d)pyrene	8270B	<362	ug/kg			
Naphthalene	8270B	<362	ug/kg			
Phenanthrene	8270B	<362	ug/kg			
Pyrene	8270B	<362	ug/kg			

USE BALL POINT PEN ONLY, PRESS HARD

CHAIN OF CUSTODY # 12506

Client Name SPECTRUM - NATIONWIDE ENVIRONMENTAL, INC.

Reporting Address P.O. BOX 7351 CHARLOTTE, NC 28241-7351

Attention S. Hamilton

Telephone No. 704 334-2164 P.O. No.

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Pointe Drive
Cayce, South Carolina 29033
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

CHAIN OF CUSTODY RECORD

SAMPLE ANALYSIS REQUIRED

Handy Pantry #65 Columbia, SC

Page ___ of ___

NPDES #

County

Receiving Stream

Outfall No.

←PRESERVATION (CODE)
CODE: A = None
B = HNO3
C = H2SO4
D = NaOH
E = ICE
F = ____

LAB USE ONLY
Program Area (Circle)
DW CWA/NPDES
RCRA SP/SOL
SP/LIQ Other: ____

Sample ID (Location)	Yr. 98 DATE	TIME	WELL	SOLID	COMP	GRAB	# of containers	pH, Conductivity	BOD	Nutrients - Specify	METALS - Specify	TOC/TOX - Specify	BTEX	VOC - Specify Method required	Pesticides/PCBs - Specify	Herbicides	Total Phenol	Oil & Grease	BNAs	Solids - Specify	Cyanide	Coliform - Specify type	Toxicity - Specify				REMARKS	SESI LAB I.D.
Handy Pantry #65 Sample #1	Start 6-16 Finish			X									X													X	BETX, Naphthalene, PAH	139541
Sample #2	Start 6-16 Finish			X									X													X	"	139542
	Start Finish																											
	Start Finish																											
	Start Finish																											
	Start Finish																											
	Start Finish																											
	Start Finish																											

SAMPLER	Date/Time	Received by (Sig.)	Date/Time	Hazards Associated with Sample
Print Name: Steve Hamilton Signature: Steve Hamilton	6/18/98 0830	C T Cacciatano	6/18/98 0830	
Relinquished by (Sig.) C T Cacciatano	Date/Time 6/18/98 1900	Received by (Sig.)	Date/Time	
Relinquished by (Sig.)	Date/Time	Lab Receipt by (Sig.) [illegible]	Date/Time 6/18 1900	

Custody Seal Intact (Circle) YES NO NONE
Receipt TRC ____ mg/l
Receipt pH ____ su
Receipt Temp. ____ °C
Received on Ice (Circle) YES NO ICE PACK

AMERICAN SYSTEMS, COLUMBIA, S.C.

INSURANCE STATEMENT FORM

Site ID **#07584** is potentially eligible to receive state monies to assist you in site rehabilitation, if required. Before eligibility for State Underground Petroleum Environmental Response Bank (SUPERB) funds can be determined, written confirmation of the existence or non-existence of an environmental insurance policy for this site is required. Please complete the following information:

✓ I do not have any insurance that would cover releases from underground storage tanks.

_____ I have an insurance policy that covers releases from underground storage tanks.

My policy provider is: _____
The policy deductible is: _____
The policy limit is: _____

If you have this type of insurance, please include a copy of the policy with this report.

Signature: Pete Armstrong

Date: 6/3/98

To be Completed by Notary Public:

Sworn before me this 3rd day of June, 1998.

Debra C. Armstrong
(Name)

Notary Public for the state of NC.

My commission expires 3/5/02.

UST PROGRAM DOCKETING# 181 Tech

Please affix State Seal if you are commissioned outside South Carolina.

D H E C
PROMOTE PROTECT PROSPER
2600 Bull Street
Columbia, SC 29201-1708

DIVISION OF
UNDERGROUND STORAGE TANK MANAGEMENT

Phone (803) 734-4844 Fax (803) 734-3604

MAY 28 1998

Mr. Pete Overton
Pacemaker Leasing Corp., Inc.
P.O. Box 2359
Gastonia, NC 28053-2359

Re: Fast Point #24,
2367 Taylor St., Columbia, SC
Site ID: #07584
Release Reported April 17, 1998, 2nd Release
Richland County

Dear Mr. Overton:

The referenced report indicates free product at the referenced site. To determine what risk the release may pose to the environment and public health, and in accordance with Section 280.65 of the South Carolina Underground Storage Tank Control Regulations, implementation of a Rapid Assessment as outlined in the enclosed Rapid Assessment Document is necessary. Please have your contractor complete and submit the enclosed Assessment Component Cost Proposal form and Rapid Assessment Plan forms within thirty days of the date of this letter. Every component may not be necessary to complete the above scope of work. The SUPERB allowable cost for each component is included on the Assessment Cost Proposal Form. **Please complete and return the enclosed Underground Storage Tank Owner/Operator Information Sheet (note that all rehabilitation activities associated with a UST release must be performed by a SCDHEC certified site rehabilitation contractor as required by R.61-98).** If you need assistance in finding a contractor, please let us know upon receipt of this correspondence and we will provide you with a list of contractors for you to contact.

According to our records, the release was reported to the SCDHEC subsequent to the early detection incentive program. Therefore, in accordance with Section 44-2-40(B) of the Act, you are responsible for the first $25,000 for site rehabilitation. To insure that any expenditures you make apply to this $25,000 deductible, it is prudent for this agency to pre-approve such costs along with your technical plan of action. By law, the SUPERB account cannot compensate any costs that are not pre-approved. Eligible costs exceeding the $25,000 deductible can be compensated from the SUPERB Account.

To proceed with the qualification process for the State Underground Petroleum Environmental Response Bank (SUPERB) Act, the following information is required. Written confirmation of the existence or non-existence of an environmental insurance policy for this site. This information must be signed by the responsible party and a notary public. For your convenience, an insurance statement form has been enclosed. If an environmental insurance policy existed at the time of the release, a copy of the policy with all endorsements must be submitted with the insurance statement.

UST PROGRAM
DOCKETING # 18 Tech

On all correspondence regarding this site, please reference site ID [redacted]584. Please be sure to include the requested information so that the appropriate approvals can be issued. **Note: approval from the Department must be issued before work begins.** Please call B. Treadwell Kissam, at (803) 734-4844 if you have questions or need additional information.

Sincerely,
Owner/Operator Assistance Section
Assessment and Corrective Action Branch

B. Treadwell Kissam

B. Treadwell Kissam, P.G., Hydrogeologist

Lee A. Monts

Lee A. Monts, Manager

enc: UST Owner/Operator Information Sheet
Assessment Component Invoice Form
Assessment Component Cost Proposal Form
Insurance Statement Form
Rapid Assessment Document
Rapid Assessment Plan Form

cc: Financial File
Read/Technical Files

SCDHEC/UST/OOAS/btk/052698

D H E
PROMOTE PROTECT PROSPER
South Carolina Department of Health
and Environmental Control

DIVISION OF
UNDERGROUND STORAGE TANK MANAGEMENT
2600 Bull Street
Columbia, SC 29201
Telephone (803) 734-0723

MAY 14 1998

Mr. Pete Overton
Pacemaker Leasing Corp. Inc.
Post Office Box 2359
Gastonia, NC 28053-2359

Re: Fast Point #24
2367 Taylor St., Columbia, SC, Richland County
Assessment Report Received May 12, 1998
Site ID #07584, Release #2

Dear Mr. Overton:

The Division of Underground Storage Tank (UST) Management has reviewed the assessment report for the referenced site. The report documents that a release has occurred and that additional actions may be necessary.

You will be contacted by Tread Kissam of the Assessment and Corrective Action Branch within 45 days concerning additional actions that may be necessary.

Please include the site ID number on any correspondence concerning this site. If you have any questions or comments, feel free to call at (803) 734-5331.

Sincerely,

Mark Berenbrok, Manager
Regulatory Assistance Section
Division of Underground Storage Tank Management

MKB/mkb
07584.01:TXT

CC: Tread Kissam, Assessment and Corrective Action Branch

UST PROGRAM
DOCKETING # #183 Tech

KIMBRELL & ASSOCIATES, INC.

14405 Raynham Drive
Charlotte, NC 28262
PH/FAX (704) 547-8737

May 11, 1998

Mr. Pete Overton
Acme Petroleum Company
543 Cox Road
Gastonia, NC 28054

(Fast Point #24)
2367 Taylor St
Site ID# 07584

Re: **Preliminary Site Investigation for the Handy Pantry #86**
Taylor Street & Two Notch Road, Columbia, SC

Dear Pete:

Spectrum Environmental and Kimbrell & Associates, Inc. made a preliminary site visit to the above referenced facility. The site visit was conducted based on your concerns pertaining to a possible loss of gasoline from one of your underground storage tanks (UST). The following activities were performed during the site visit:

- Locate and identify all existing monitoring wells on site,
- Measure for petroleum impact of the monitoring wells,
- Drill one soil boring in the inferred up-gradient direction of the UST facilities, and
- Assess the site conditions and report to you any evidence of petroleum contamination.

Seven existing monitoring wells were located within the property boundaries of the site. The well locations are shown on the accompanying site map and are numbered MW-1 through MW-7. This well numbering nomenclature does not correlate to any other known earlier identification of the existing wells. The locations of the wells and other site specific features are shown on the attached site map.

A clean disposable 36-in. bailer (1-liter) was lowered into each of the monitoring wells to measure any free floating petroleum product. More than 36 inches of fresh clear gasoline was discovered in wells MW-1, MW-2, MW-3, MW-5, and MW-7. Well MW-6 contained greater than 36 inches of a dark petroleum product with a viscosity and odor of gasoline. Well MW-4 was the only well on site that showed no evidence of free petroleum product.

UST PROGRAM
DOCKETING # 186 Rec

Observations made of the surrounding topography indicate that the inferred groundwater flow direction is toward the south to southeast. One soil boring (SB-1) was drilled to the top of the water table to investigate for free product on the inferred up-gradient side of the tank hold. Photoionization Detection (PID) readings were made of the soil from the boring and no evidence of free product was discovered in this area

All wells except MW-4 contained grater than 36 inches of free product. A volumetric estimate of the free product made based an average thickness of three feet and an assumed 30% porosity of the sediments indicates that a very large volume of free product exists at the site. This estimate may be higher in that the free product has probability migrated off site.

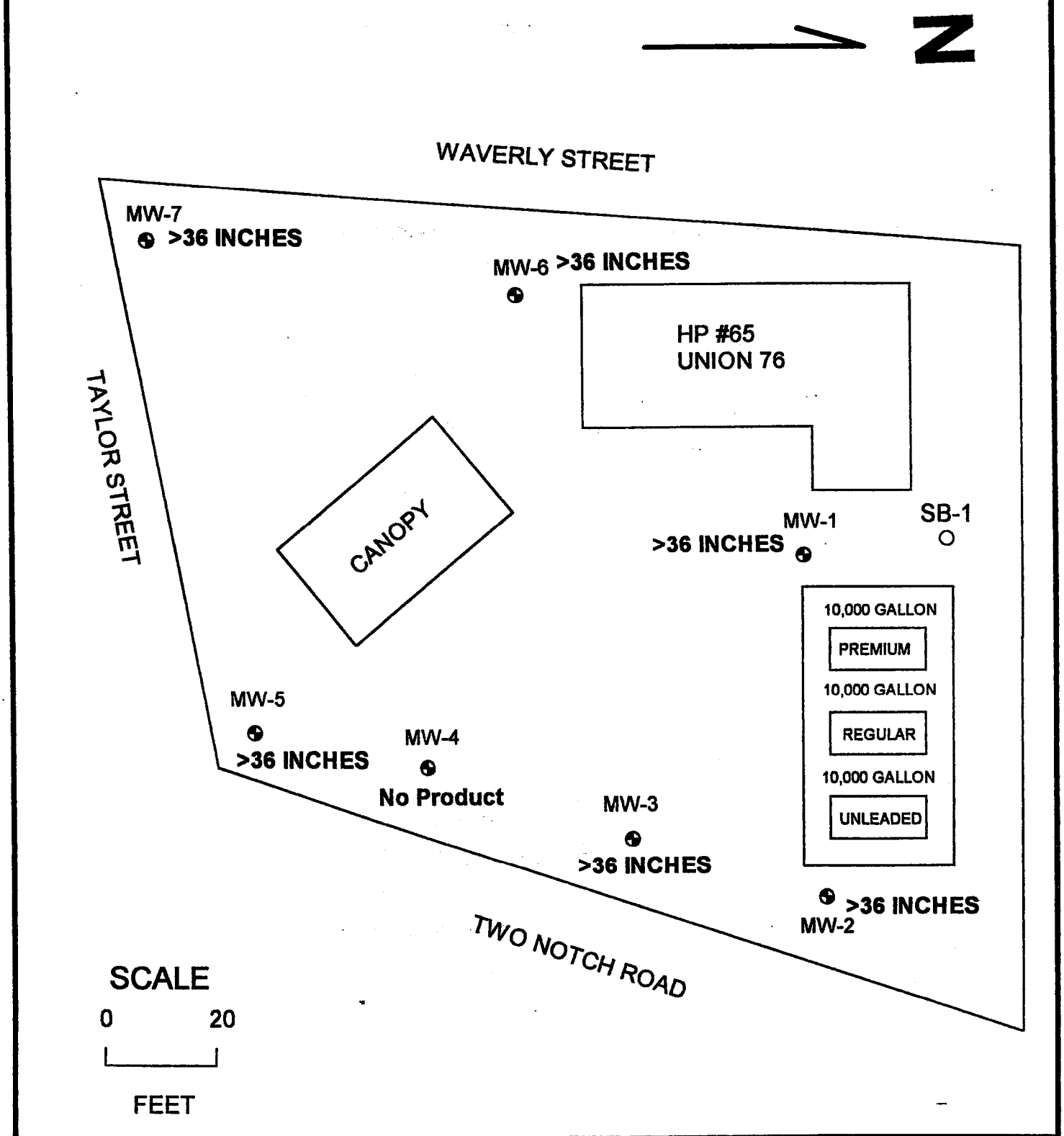
It is recommended that the SC Department of Health and Environmental Control be notified of the existence and severity of the free product within 24 hours of this notice to you pursuant to State UST regulations. It is also recommended that emergency abatement procedures begin immediately to prevent future environmental damage and endangerment to human health and safety.

If you have any questions pertaining to this issue, please call.

Sincerely,

KIMBRELL & ASSOCIATES, INC.

Phil Kimbrell



Handy Pantry #65

Taylor St & Two Notch Rd
Columbia, SC

KIMBRELL & ASSOCIATES

Free Product Thickness
4/23/98

ACME inc. Handy Pantry

FAX TRANSMITTAL COVER PAGE

TELEFAX #: 704-866-7644

FAX #: _____

DATE SENT: 5/12

TIME SENT: 3:20

FOR DISTRIBUTION TO: John Kreese

COMPANY RECEIVING: _____

SENT BY: Pete Overton

REGARDING: Attached

THIS TRANSMISSION CONSISTS OF 5 PAGES INCLUDING THIS COVER PAGE.

IF YOU HAVE ANY QUESTIONS OR PROBLEMS, PLEASE CALL:

704-867-7281
or
704-867-2336

UST PROGRAM DOCKETING # 187 Tech

ACME PETROLEUM AND FUEL COMPANY
543 Cox Road • P.O. Box 2359 • Gastonia, NC 28053
704-867-2336 • FAX 704-866-7644

ACME INC.

May 12, 1998

Mr. John Kneece
SC DHEC
Underground Storage Tank Management
2600 Bull St.
Columbia, SC 29201-1708

Re: Fast Point #24
2367 Taylor St., Columbia, SC
Site ID #07584

Dear Mr. Kneece:

Enclosed please find the preliminary site investigation to verify a suspected release at the above location. It appears that there has been a release and we have already sent a closure notice to Mr. Owens.

Please review the report and instruct us as to what action you want us to take.

Sincerely,

Pete Overton

Pete Overton
Vice President - Real Estate

Enc.

ACME SERVICES, INC.
543 Cox Road • P.O. Box 2359 • Gastonia, NC 28053
704-867-2336 • FAX 704-866-7644

FROM : Kimbrell & Assoc., Inc. PHONE NO.

KIMBRELL & ASSOCIATES, INC.

14405 Raynham Drive
Charlotte, NC 28262
PH/FAX (704) 547-8737

May 11, 1998

Mr. Pete Overton
Acme Petroleum Company
543 Cox Road
Gastonia, NC 28054

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Taylor Street & Two Notch Road, Columbia, SC
2367 Taylor St
Site ID #07584

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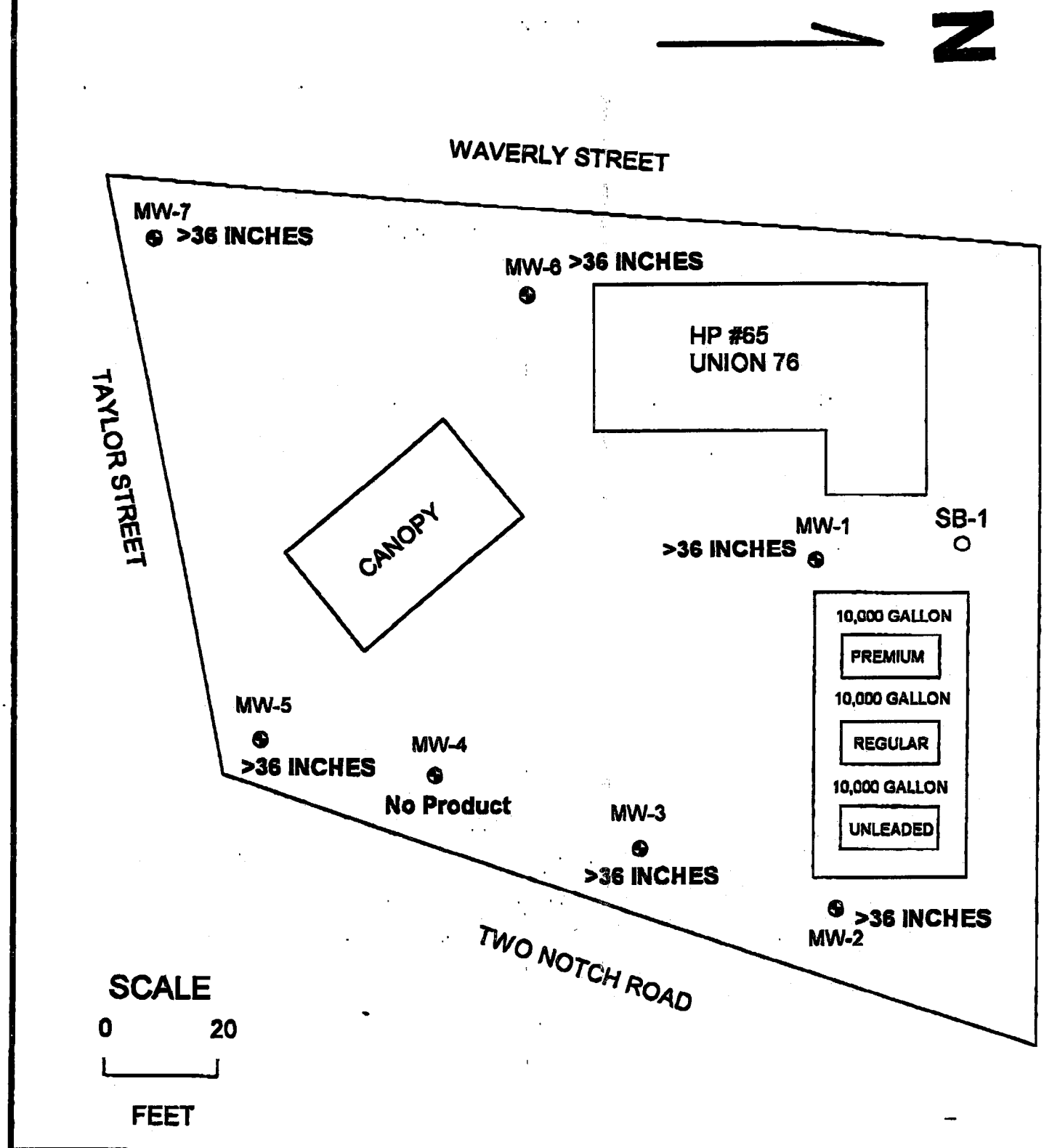
Sincerely,

KIMBRELL & ASSOCIATES, INC.

Phil Kimbrell



Handy Pantry #65

Taylor St & Two Notch Rd
Columbia, SC

KIMBRELL & ASSOCIATES

Free Product Thickness
4/23/98

From: Julie Seel
To: COLUMB37(YOUNGESM)
Date: 5/16/95 9:11am
Subject: site 07584 / Handy Pantry #65 -Reply

have not received written response as required. mr. overton stated that he thought they were some type of red jacket on the phone. will send letter harrassing them.

UST PROGRAM
DOCKETING # 189 Tech

02/03/95 16:23:46

GWPD Site Information

SiteID N-40-NN-07584 Facil: HANDY PANTRY #65 Pmgr: MMSCHUMA

Addr : 2367 TAYLOR ST C/S/Zip COLUMBIA SC 29204-7803
Cnty : RICHLAND District CENTRAL MIDLAND Lat/Long 81°00'57.93"W /34°00'47.4 8"N

Owner1 PACEMAKER LEASING CORP., INC. Owner 1 Phone ..... (704)867-7281
Street P.O. BOX 2359
C/S/Zp GASTONIA NC 28053-2359 Own2

Contct SCOTT ROBERTS Title .....
Street P.O. BOX 2359 Contact Phone ..... (704)867-7281
C/S/Zp GASTONIA NC 28052-2359

Abd Tnks 000 Num Tnks 004 Bil Tnks 004
Last Update 12/20/91 by ZOGLMAN Fees 400.00 SUPERB Qualify E
SPR Points 222

UST PROGRAM DOCKETING# 193 Regh

02/03/95 16:23:46

Active Tank Information

Site # N-40-NN-07584 HANDY PANTRY #65
Tank # 001 Const Perm / / Age @ Notify 20
Status CIU CUR IN USE Oper Date / / Calculate Age 29.1
Leak Det UNDETERM Notification 12/31/85 Capacity 10000
==========
Petro GN GASOLINE Chem in Tk Oth Sub
Liner ? Dist from closest well Varience Granted
==========
TANK-> Const SL STEEL Prot PT UNDETERM Contain
Leak Other
PIPE-> Const SL STEEL Prot UNDETERM Contain
Type Leak Other

Overfill Detect / / Prod Left, gal Abandon Notifiction
Spill Detect / / Last Use / / / /
Last Entry Date 12/20/91 By ZOGLMAN
==========

02/03/95 16:23:46

Active Tank Information

Site # N-40-NN-07584 HANDY PANTRY #65
Tank # 002 Const Perm / / Age @ Notify 20
Status CIU CUR IN USE Oper Date / / Calculate Age 29.1
Leak Det UNDETERM Notification 12/31/85 Capacity 10000
==========
Petro GN GASOLINE Chem in Tk Oth Sub
Liner ? Dist from closest well Varience Granted
==========
TANK-> Const SL STEEL Prot PT UNDETERM Contain
Leak Other
PIPE-> Const SL STEEL Prot UNDETERM Contain
Type Leak Other

Overfill Detect / / Prod Left, gal Abandon Notifiction
Spill Detect / / Last Use / / / /
Last Entry Date 12/20/91 By ZOGLMAN
==========

~~UST PROGRAM~~
~~DOCKETING #~~

02/03/95 16:23:46

Active Tank Information

Site # N-40-NN-07584 HANDY PANTRY #65
Tank # 003 Const Perm / / Age @ Notify 20
Status CIU CUR IN USE Oper Date / / Calculate Age 29.1
Leak Det UNDETERM Notification 12/31/85 Capacity 10000
==========
Petro GN GASOLINE Chem in Tk Oth Sub
Liner ? Dist from closest well Varience Granted
==========
TANK-> Const SL STEEL Prot PT UNDETERM Contain
Leak Other
PIPE-> Const SL STEEL Prot UNDETERM Contain
Type Leak Other

Overfill Detect / / Prod Left, gal Abandon Notifiction
Spill Detect / / Last Use / / / /
Last Entry Date 12/20/91 By ZOGLMAN
==========

02/03/95 16:23:46

Active Tank Information

Site # N-40-NN-07584 HANDY PANTRY #65
Tank # 004 Const Perm / / Age @ Notify 20
Status TOU TP OUT USE Oper Date / / Calculate Age 29.1
Leak Det UNDETERM Notification 12/31/85 Capacity 1000
==========
Petro KN KEROSENE Chem in Tk Oth Sub
Liner ? Dist from closest well Varience Granted
==========
TANK-> Const SL STEEL Prot UNDETERM Contain
Leak Other
PIPE-> Const SL STEEL Prot UNDETERM Contain
Type Leak Other

Overfill Detect / / Prod Left, gal Abandon Notifiction
Spill Detect / / Last Use / / / /
Last Entry Date 12/20/91 By ZOGLMAN
==========

South Carolina
DHEC
Department of Health and Environmental Control
2600 Bull Street, Columbia, SC 29201

Commissioner: Douglas E. Bryant

Board: Richard E. Jabbour, DDS, Chairman
Robert J. Stripling, Jr., Vice Chairman
Sandra J. Molander, Secretary

John H. Burriss
William M. Hull, Jr., MD
Roger Leaks, Jr.
Burnet R. Maybank, III

Promoting Health, Protecting the Environment

October 27, 1994

Ann S. Counas
LANDREC, Inc.
PO Box 50528
Columbia, SC 29250-0528

Re: Stockpiled soils correspondence received 02/07/94
Handy Pantry, Two Notch & Taylor St.
GWPD Site Id #07584
Richland County

Dear Ms. Counas:

The South Carolina Department of Health and Environmental Control has reviewed the above referenced submittal. On October 6, 1994, Allen Williams of this office went to the facility to sample the soils. After sampling the soils the results indicated that no significant level of hydrocarbon contamination was present. Therefore, the soils may be spread on the facility property.

The analytical results, from the drummed groundwater, indicated levels that will require rehabilitation. This Department grants approval to transport and treat this water at the Landrec facility. Landrec, Inc. must comply with stipulations as outlined in the April 27, 1994 correspondence to Mr. Clyde M. Livingston, Jr. from Jason Gillespie, see enclosed letter.

Currently this site ranks below many other hundreds of sites and therefore financial approval can not be granted at this time. However, if the owner wishes to implement remedial activities at this site, it will be at their own expense.

On all correspondence, please reference the **GWPD Site Id # 07584**. If you have any questions, please call me at (803) 734-5455.

Sincerely,

Todd Adams, Hydrogeologist
UST State Corrective Action Section
Ground-Water Protection Division
Bureau of Drinking Water Protection

RTA/rta

cc: F&DM Section, GWPD
Scott Roberts, PO Box 2359, Gastonia, NC 28052-2359

UST PROGRAM
DOCKETING # 1994 Tecn

recycled paper

South Carolina
DHEC
Department of Health and Environmental Control
2600 Bull Street, Columbia, SC 29201

Commissioner: Douglas E. Bryant

Board: Richard E. Jabbour, DDS, Chairman
Robert J. Stripling, Jr., Vice Chairman
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John H. Burriss
William M. Hull, Jr., MD
Roger Leaks, Jr.
Burnet R. Maybank, III

Promoting Health, Protecting the Environment

Dore 10/27/94

MEMORANDUM

TO: Files

FROM: D. Allen Williams
Environmental Technician III
UST Federal Corrective Action Section
Ground-Water Protection Division

DATE: October 14, 1994

RE: Handy Pantry
2-Notch Road at Taylor St.
Columbia, SC
GWPD #07584

On October 6, 1994 the author arrived on site and informed the attendant of his intent to sample the soil stockpile left by the consultant during monitoring well installation on the property.

A stockpile consisting of approximately one cubic yard of soil was located on the property and one sample was taken from it.

After a standard curve was obtained for the Lab-in-a-Bag process, the sample was analyzed and found to have no significant gasoline contamination present.

It is this author's opinion that the stockpile be spread on site with the permission of the Project Manager, Marchell Schuman.

UST PROGRAM
DOCKETING # 95 Teca

recycled paper

10/6/94

FIELD SHEET FOR: HANDY PANTRY
2-NOTCH & TAYLOR
COLUMBIA, SC
GWPD # 07584

1000 HOURS

MORRIS QUICK & EASY
2913 MARLBORO AVE.
BARNWELL, SC
GWPD # 00857

≈ 1200 HOURS

BESSINGER GULF
HWY 64 & 278
BARNWELL, SC
GWPD # 00859

≈ 1215 HOURS

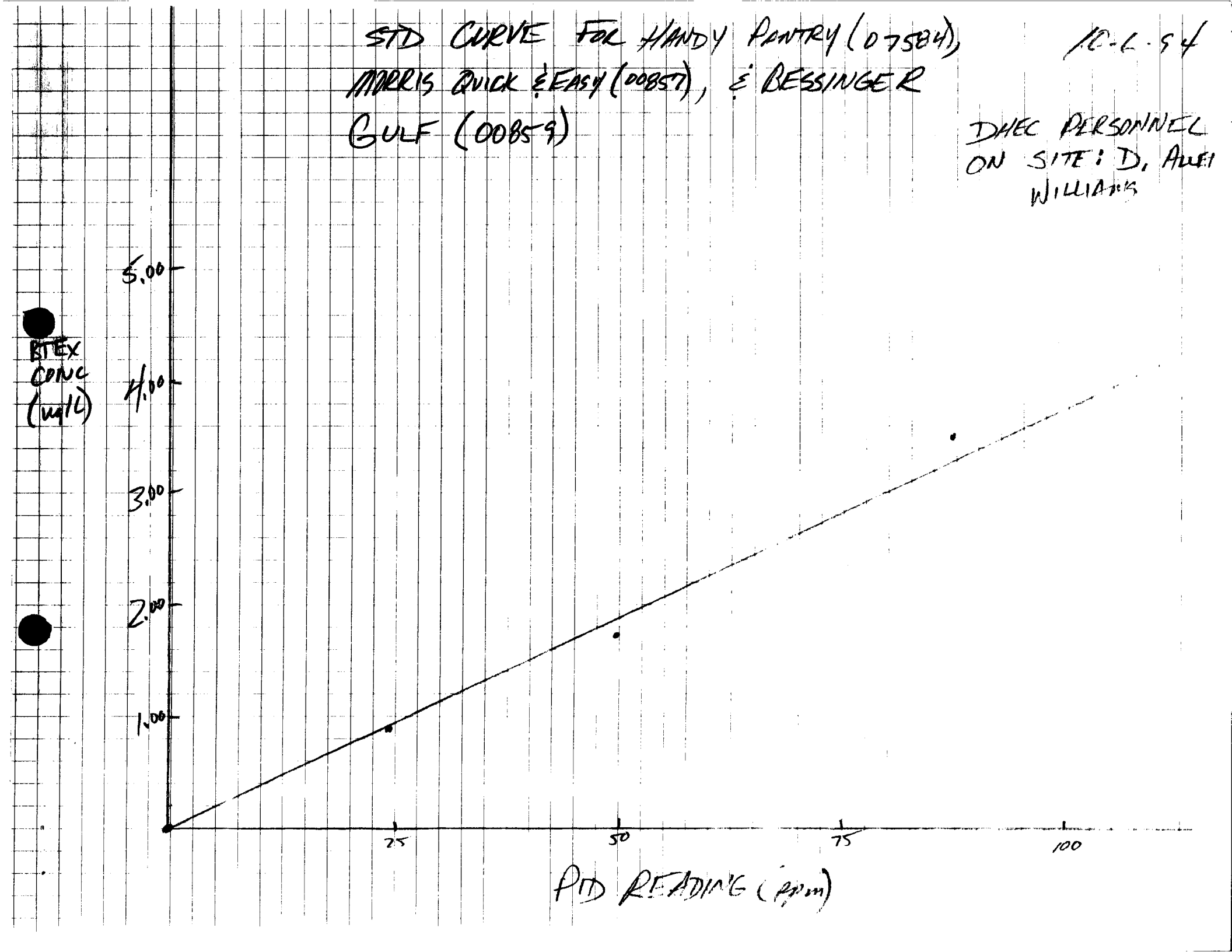
STD	PID READING
BLK	0.0 ppm
25 ppm (0.87 ug/L)	24.8 ppm
50 ppm (1.74 ug/L)	49.8 ppm
100 ppm (3.47 ug/L)	87.0 ppm

HANDY PANTRY SB1 — 0.0 ppm
MORRIS QUICK & EASY SB1 — 0.0 ppm
" " " SB2 — 1.1 ppm
BESSINGER GULF SB1 — 0.2 ppm
— 0.9 ppm

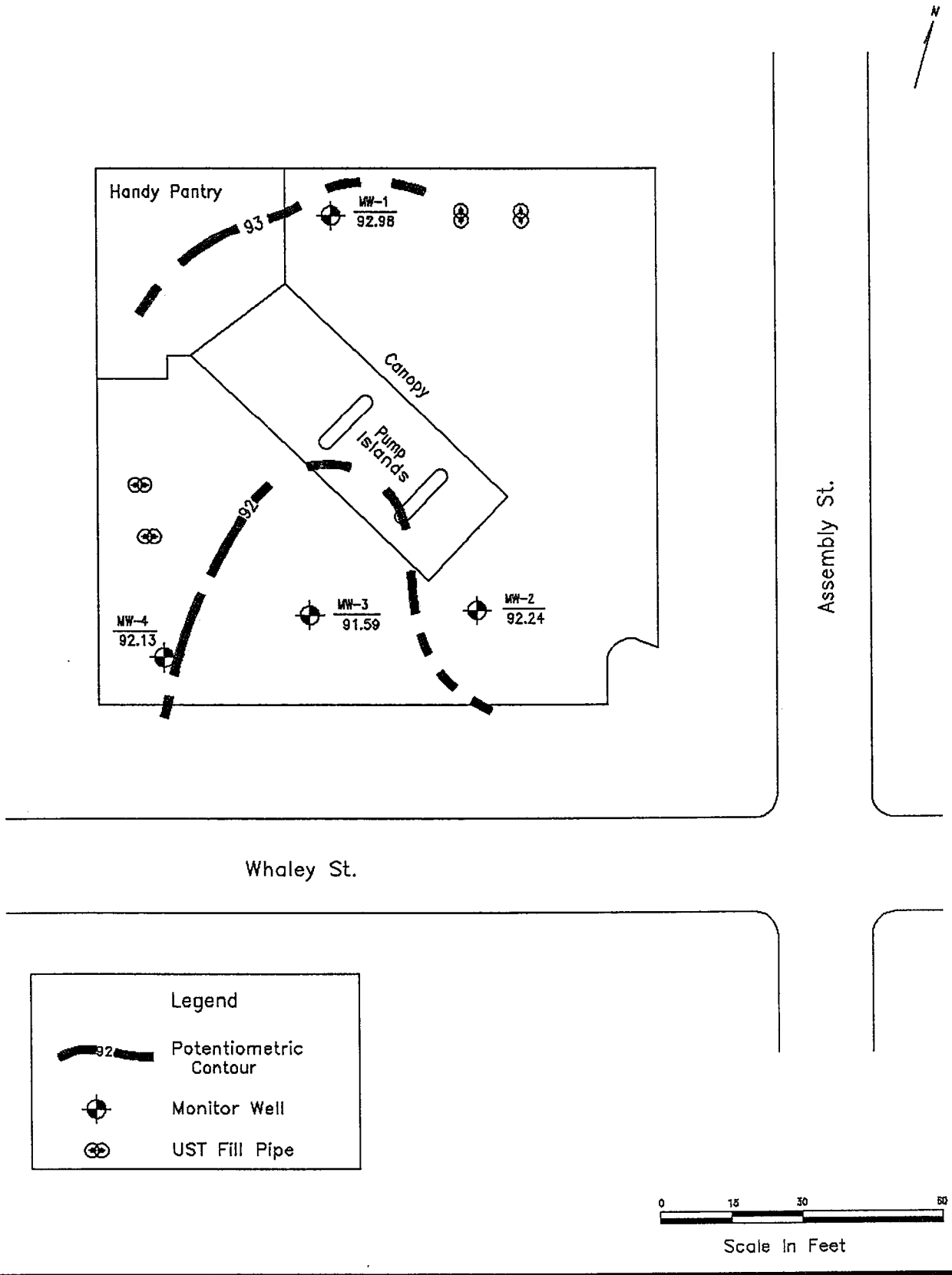
STD CURVE FOR HANDY PANTRY (07584), MORRIS QUICK & EASY (00857), & BESSINGER GULF (00859)

10-6-94

DHEC PERSONNEL ON SITE: D. ALLEN WILLIAMS



Richland County
ID # 07435



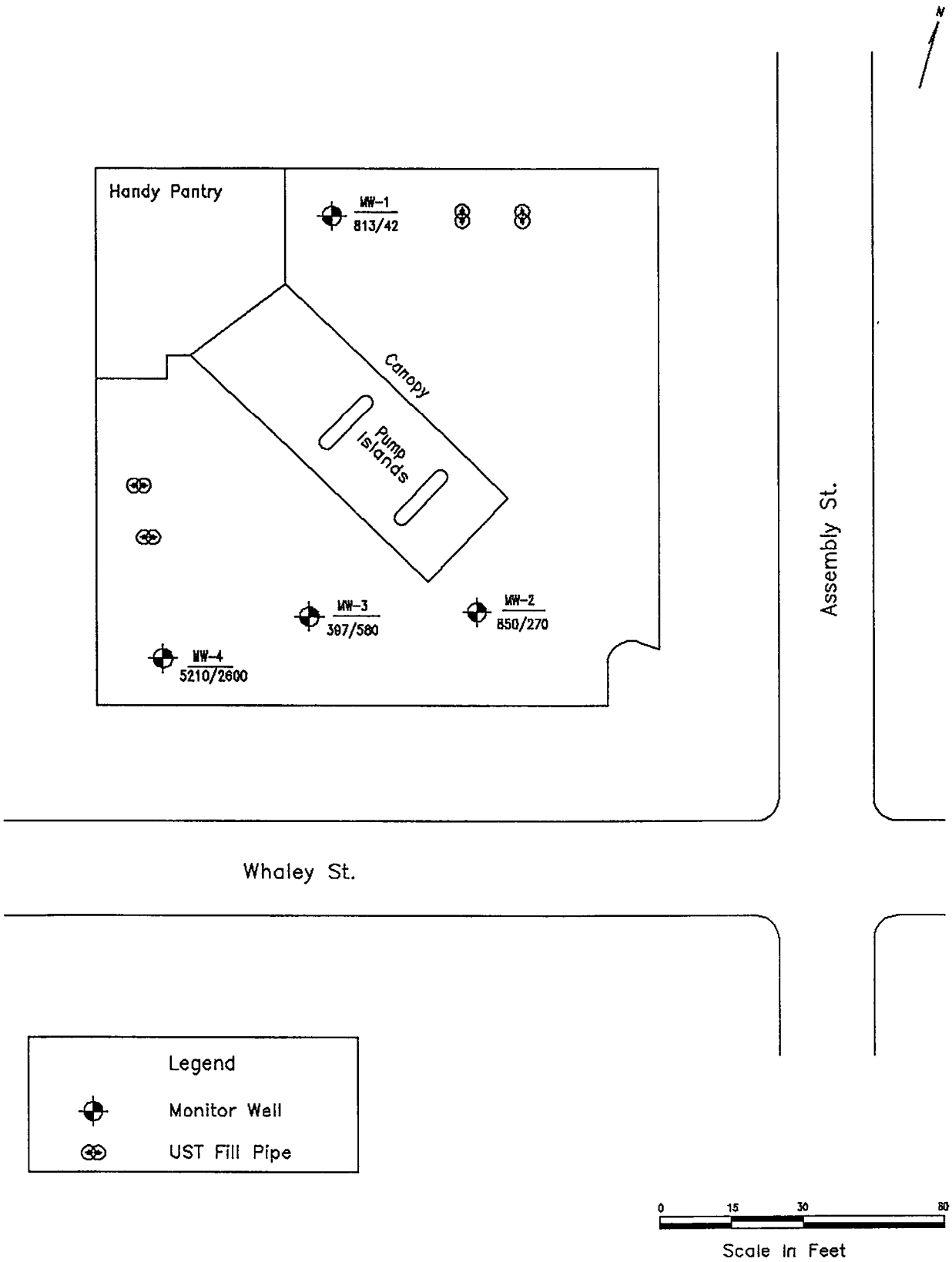
SPATCO ENVIRONMENTAL
400 ARBOR LAKE DRIVE
SUITE A-600
COLUMBIA, SOUTH CAROLINA

Figure 1. Potentiometric Surface Of The Shallow Aquifer

Handy Pantry
Whaley and Assembly Streets
Columbia, S.C.

GWPD SITE ID# 07197

W.O. # 9-2797



SPATCO ENVIRONMENTAL
400 ARBOR LAKE DRIVE
SUITE A-600
COLUMBIA, SOUTH CAROLINA

Figure 2. Total BTEX/MTBE Concentrations 10/16/92

Handy Pantry
Whaley and Assembly Streets
Columbia, S.C.

GWPD SITE ID# 07197

W.O. # 9-2797

Table 1. Water Table Elevation Data Collected 10/16/92.
Handy Pantry Facility, Assembly Street,
Columbia, South Corolina.

	Measuring Point Elevation	Depth To Water	Water Table Elevation
MW-1	100.00	7.02	92.98
MW-2	98.23	5.99	92.24
MW-3	97.96	6.37	91.59
MW-4	97.71	5.58	92.13

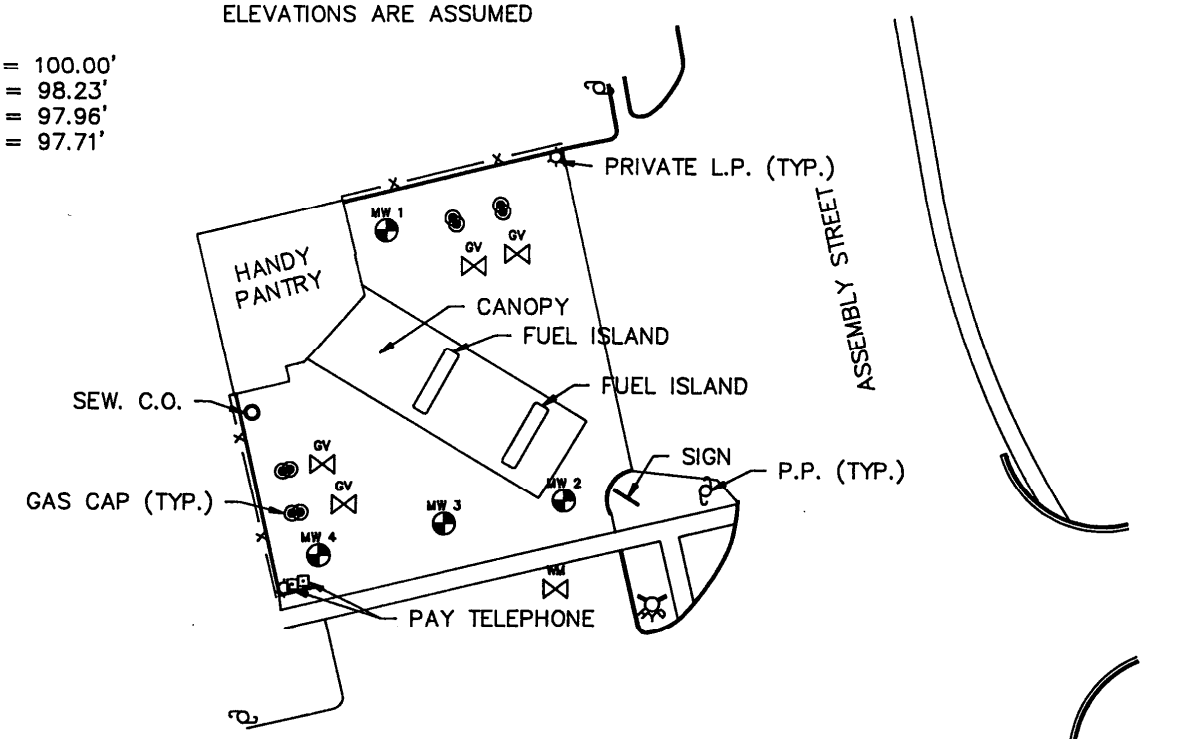
Table 2. Ground Water Sample Laboratory Analytical Results.
Handy Pantry Assembly Facility, Columbia, South Carolina.

Analytical Parameter	Ground Water Sample Identification/Collection Date			
	10/16/92 MW–1	10/16/92 MW–2	10/16/92 MW–3	10/16/92 MW–4
EPA Method 602 (parts per billion – ug/l)				
Benzene	660	81	290	1,200
Toluene	45	99	BQL	810
Ethylbenzene	10	110	100	1,500
Xylenes	98	560	7.0	1,700
MTBE	42	270	580	2,600
EPA Method 610 (parts per billion – ug/l)				
Naphthalene	11	150	280	1,300
1–Methyl Naphthalene	BQL	43	73	BQL
2–Methyl Naphthalene	BQL	55	97	330

Notes: BQL – Below Quantifiable Level of Analytical Laboratory.

ELEVATIONS ARE ASSUMED

MW 1 = 100.00'
MW 2 = 98.23'
MW 3 = 97.96'
MW 4 = 97.71'





Hugh F. Longshore III
HUGH F. LONGSHORE III
P.L.S. # 13525

SITE PLAN
HANDY PANTRY
RICHLAND COUNTY IN COLUMBIA S.C.
1" = 40' OCT. 26, 1992

LEON CAMPBELL & ASSOC.
P.O. BOX 1867
COLUMBIA, SOUTH CAROLINA

RECEIVED OCT 1 6 1992

EXPANDED ASSESSMENT UPDATE
(Must be submitted with Invoice)

DATE 11/17/92 CP# _____ INVOICE# 8076

SITE ID#/PCAS# 07197 / _____ SITE NAME HANDY PANTRY - ASSEMBLY

Percentage of EAP completed: 10 %

Date work initiated: 4/22/92 Established submittal date for AR: ___/___/___

Update prepared by: BRAMLEY STAFFORD

Significant EAP accomplishments performed since previous update

1. Off-site Access.

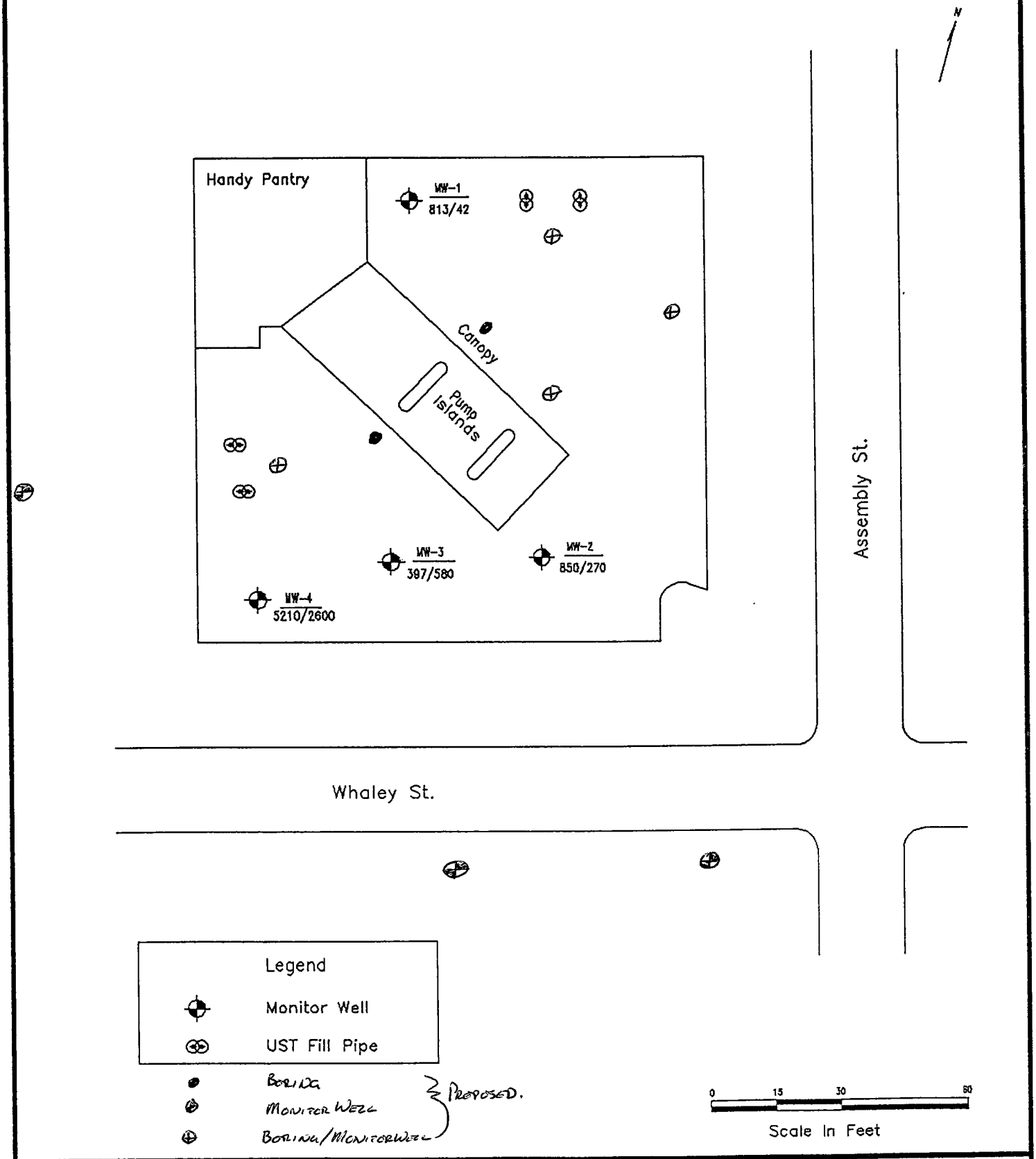
2. Groundwater Sampling/Analysis. (See Table)
Fluid Levels. (See Table)
Water Table Configuration. (See Figure)

3. SC Certified Survey (Preliminary)
- Attached

4.

5.

6.



SPATCO ENVIRONMENTAL
400 ARBOR LAKE DRIVE
SUITE A-600
COLUMBIA, SOUTH CAROLINA

Figure 2. Total BTEX/MTBE Concentrations 10/16/92

Handy Pantry
Whaley and Assembly Streets
Columbia, S.C.

GWPD SITE ID# 07197

W.O. # 9-2797

LandRec, Inc.

Real Estate Reclamation

P.O. Box 50528
Columbia, S.C. 29250-0528
(803) 254-1545
FAX (803) 779-8538

February 10, 1994

Ms. Marshell Schuman
GWPD, SCDHEC
2600 Bull Street
Columbia, South Carolina 29201

Subject: Permission to Move Soils to Dirt Gin Treatment Facility
From Handy Pantry, Columbia, SC
Site I.D. # 07584 LR# 940209

Dear Ms. Schuman:

There are a total of 3 barrels of stored ground-water and 2 cubic yards of petroleum hydrocarbon contaminated soils from well cuttings stockpiled at Handy Pantry, located on Whaley & Assembly Streets in Columbia, South Carolina. The owner wants them removed.

LandRec, Inc. hereby requests permission to load and haul the subject soils and water to the Dirt Gin Treatment Facility in Orangeburg, SC for biological treatment. Once treated to agreed upon levels, LandRec will recycle the soils.

On behalf of our client, your expedient review and approval of this request is greatly appreciated. Attached are the analytical data.

Cordially,
LANDREC, INC.

Ann S. Counas
Operations Manager

PAC/asc

cc: Solid and Hazardous Waste Section
Paul A. Calvo, LandRec President

Ms. Schuman: I have enclosed the soil analyticals that were inadvertently left out of the permission request above. Please attach these analyticals with the original letter. I apologize for any inconvenience. Thank you.

File: movein\handy.spa

LandRec, Inc.

Real Estate Reclamation

P.O. Box 50528
Columbia, S.C. 29250-0528
(803) 254-1545
FAX (803) 779-8538

February 4, 1994

RECEIVED
FEB 07 1994
Groundwater Protection

Ms. Marshell Schuman
GWPD, SCDHEC
2600 Bull Street
Columbia, South Carolina 29201

Subject: Permission to Move Soils to Dirt Gin Treatment Facility
From Handy Pantry, Columbia, SC
Site I.D. # 07584 LR# 940209

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Cordially,
LANDREC, INC.

Ann S. Counas
Operations Manager

PAC/asc

cc: Solid and Hazardous Waste Section
Paul A. Calvo, LandRec President

File: movein\handy.spa

UST PROGRAM
DOCKETING # 19Breach

an environmental testing company
6546 Pembroke Road
Miramar, Florida 33023
Broward: (305) 989-0928 Dade: (305) 620-4440
FAX (305) 985-9748

CLIENT: SPATCO ENVIRONMENTAL
400 ARBOR LAKE DRIVE
SUITE A-600
COLUMBIA, S.C. 29223

DATE TYPED: 03/09/92

IEA SAMPLE NO: 92-0663

DATE SAMPLED: 02/19/92

CLIENT SAMPLE NO: MW-3

DATE RECEIVED: 02/21/92

CLIENT PROJECT NO: 9-1343 HANDY PANTRY

DATE EXTRACTED: 02/24/92

REPORT OF ANALYSIS

PARAMETERS	MW-3	UNITS	METHOD	DATE OF ANALYSIS	ANALYST
Acenaphthene	< 10	ug/l	EPA 625	03/06/92	RF
Acenapthhylene	< 10	ug/l	EPA 625	03/06/92	RF
Anthracene	< 10	ug/l	EPA 625	03/06/92	RF
Benzo(a)anthracene	< 10	ug/l	EPA 625	03/06/92	RF
Benzo(a)pyrene	< 10	ug/l	EPA 625	03/06/92	RF
Benzo(b)fluoranthene	< 10	ug/l	EPA 625	03/06/92	RF
Benzo(g,h,i)perylene	< 10	ug/l	EPA 625	03/06/92	RF
Benzo(k)fluoranthene	< 10	ug/l	EPA 625	03/06/92	RF
bis(2-Chloroethoxy)methane	< 10	ug/l	EPA 625	03/06/92	RF
bis(2-Chloroethyl)ether	< 10	ug/l	EPA 625	03/06/92	RF
bis(2-Chloroisopropyl)ether	< 10	ug/l	EPA 625	03/06/92	RF
bis(2-Ethylhexyl)phthalate	< 10	ug/l	EPA 625	03/06/92	RF
4-Bromophenyl phenyl ether	< 10	ug/l	EPA 625	03/06/92	RF
Benzyl butyl phthalate	< 10	ug/l	EPA 625	03/06/92	RF
2-Chloronaphthalene	< 10	ug/l	EPA 625	03/06/92	RF
4-Chlorophenyl phenyl ether	< 10	ug/l	EPA 625	03/06/92	RF
Chrysene	< 10	ug/l	EPA 625	03/06/92	RF
Dibenzo(a,h)anthracene	< 10	ug/l	EPA 625	03/06/92	RF

The above analysis was performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.
Laboratory I.D.-#86111, E-86101.

Respectfully submitted,

Kerry Prescott
Director of Operations, Florida

KP/lm

an environmental testing company
6546 Pembroke Road
Miramar, Florida 33023
Broward: (305) 989-0928 Dade: (305) 620-4440
FAX (305) 985-9748

CLIENT: SPATCO ENVIRONMENTAL
400 ARBOR LAKE DRIVE
SUITE A-600
COLUMBIA, S.C. 29223

DATE TYPED: 03/09/92

IEA SAMPLE NO: 92-0663

DATE SAMPLED: 02/19/92

CLIENT SAMPLE NO: MW-3

DATE RECEIVED: 02/21/92

CLIENT PROJECT NO: 9-1343 HANDY PANTRY

DATE EXTRACTED: 02/24/92

REPORT OF ANALYSIS

PARAMETERS	MW-3	UNITS	METHOD	DATE OF ANALYSIS	ANALYST
1,2-Dichlorobenzene	< 10	ug/l	EPA 625	03/06/92	RF
1,3-Dichlorobenzene	< 10	ug/l	EPA 625	03/06/92	RF
1,4-Dichlorobenzene	< 10	ug/l	EPA 625	03/06/92	RF
3,3'-Dichlorobenzidine	< 10	ug/l	EPA 625	03/06/92	RF
Diethyl phthalate	< 10	ug/l	EPA 625	03/06/92	RF
Dimethyl phthalate	< 10	ug/l	EPA 625	03/06/92	RF
2,4-Dinitrotoluene	< 10	ug/l	EPA 625	03/06/92	RF
2,6-Dinitrotoluene	< 10	ug/l	EPA 625	03/06/92	RF
Di-n-octylphthalate	< 10	ug/l	EPA 625	03/06/92	RF
Fluoranthene	< 10	ug/l	EPA 625	03/06/92	RF
Fluorene	< 10	ug/l	EPA 625	03/06/92	RF
Hexachlorobenzene	< 10	ug/l	EPA 625	03/06/92	RF
Hexachlorobutadiene	< 10	ug/l	EPA 625	03/06/92	RF
Hexachloroethane	< 10	ug/l	EPA 625	03/06/92	RF
Indeno(1,2,3-cd)pyrene	< 10	ug/l	EPA 625	03/06/92	RF
Isophorone	58	ug/l	EPA 625	03/06/92	RF
Naphthalene	610	ug/l	EPA 625	03/06/92	RF
Nitrobenzene	< 10	ug/l	EPA 625	03/06/92	RF

The above analysis was performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.
Laboratory I.D.-#86111, E-86101.

Respectfully submitted,

Kerry Prescott
Director of Operations, Florida

KP/lm

iea
an environmental testing company
6546 Pembroke Road
Miramar, Florida 33023
Broward: (305) 989-0928 Dade: (305) 620-4440
FAX (305) 985-9748

CLIENT: SPATCO ENVIRONMENTAL
400 ARBOR LAKE DRIVE
SUITE A-600
COLUMBIA, S.C. 29223

DATE TYPED: 03/09/92

IEA SAMPLE NO: 92-0663

DATE SAMPLED: 02/19/92

CLIENT SAMPLE NO: MW-3

DATE RECEIVED: 02/21/92

CLIENT PROJECT NO: 9-1343 HANDY PANTRY

DATE EXTRACTED: 02/24/92

REPORT OF ANALYSIS

PARAMETERS	MW-3	UNITS	METHOD	DATE OF ANALYSIS	ANALYST
N-Nitroso-di-n-propylamine	< 10	ug/l	EPA 625	03/06/92	RF
N-Nitrosodiphenylamine	< 10	ug/l	EPA 625	03/06/92	RF
Phenanthrene	< 10	ug/l	EPA 625	03/06/92	RF
Pyrene	< 10	ug/l	EPA 625	03/06/92	RF
1,2,4-Trichlorobenzene	< 10	ug/l	EPA 625	03/06/92	RF
Benzidine	< 10	ug/l	EPA 625	03/06/92	RF
N-Nitrosodimethylamine	< 10	ug/l	EPA 625	03/06/92	RF
4-Chloro-3-methylphenol	32	ug/l	EPA 625	03/06/92	RF
2-Chlorophenol	< 10	ug/l	EPA 625	03/06/92	RF
2,4-Dichlorophenol	< 10	ug/l	EPA 625	03/06/92	RF
2,4-Dimethylphenol	< 10	ug/l	EPA 625	03/06/92	RF
2,4-Dinitrophenol	< 10	ug/l	EPA 625	03/06/92	RF
2-Methyl-4,6-dinitrophenol	31	ug/l	EPA 625	03/06/92	RF
2-Nitrophenol	< 10	ug/l	EPA 625	03/06/92	RF
4-Nitrophenol	< 10	ug/l	EPA 625	03/06/92	RF
Pentachlorophenol	< 10	ug/l	EPA 625	03/06/92	RF
Phenol	11	ug/l	EPA 625	03/06/92	RF
2,4,6-Trichlorophenol	< 10	ug/l	EPA 625	03/06/92	RF

The above analysis was performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.
Laboratory I.D.-#86111, E-86101.

Respectfully submitted,

Kerry Prescott
Director of Operations, Florida

KP/lm

an environmental testing company
6546 Pembroke Road
Miramar, Florida 33023
Broward: (305) 989-0928 Dade: (305) 620-4440
FAX (305) 985-9748

CLIENT: SPATCO ENVIRONMENTAL
400 ARBOR LAKE DRIVE
SUITE A-600
COLUMBIA, S.C. 29223

DATE TYPED: 03/09/92

IEA SAMPLE NO: 92-0663

DATE SAMPLED: 02/19/92

CLIENT SAMPLE NO: MW-3

DATE RECEIVED: 02/21/92

CLIENT PROJECT NO: 9-1343 HANDY PANTRY

DATE EXTRACTED: N/A

REPORT OF ANALYSIS

PARAMETERS	MW-3	UNITS	METHOD	DATE OF ANALYSIS	ANALYST
Benzene	8400	ug/l	EPA 624	02/25/92	GV
Bromodichloromethane	< 500	ug/l	EPA 624	02/25/92	GV
Bromoform	< 500	ug/l	EPA 624	02/25/92	GV
Bromomethane	< 1000	ug/l	EPA 624	02/25/92	GV
Carbon tetrachloride	< 500	ug/l	EPA 624	02/25/92	GV
Chlorobenzene	< 500	ug/l	EPA 624	02/25/92	GV
Chloroethane	< 1000	ug/l	EPA 624	02/25/92	GV
2-Chloroethylvinyl ether	< 500	ug/l	EPA 624	02/25/92	GV
Chloroform	< 500	ug/l	EPA 624	02/25/92	GV
Chloromethane	< 1000	ug/l	EPA 624	02/25/92	GV
Dibromochloromethane	< 500	ug/l	EPA 624	02/25/92	GV
1,2-Dichlorobenzene	< 500	ug/l	EPA 624	02/25/92	GV
1,3-Dichlorobenzene	< 500	ug/l	EPA 624	02/25/92	GV
1,4-Dichlorobenzene	< 500	ug/l	EPA 624	02/25/92	GV
1,1-Dichloroethane	< 500	ug/l	EPA 624	02/25/92	GV
1,2-Dichloroethane	< 500	ug/l	EPA 624	02/25/92	GV

The above analysis was performed in accordance with E.P.A., A.S.T.M. Standard Methods or other approved methods.
Laboratory I.D.-DHRS #86111, E-86106.

Respectfully submitted,

Kerry Prescott
Director of Operations, Florida

KP:lm

an environmental testing company
6546 Pembroke Road
Miramar, Florida 33023
Broward: (305) 989-0928 Dade: (305) 620-4440
FAX (305) 985-9748

CLIENT: SPATCO ENVIRONMENTAL
400 ARBOR LAKE DRIVE
SUITE A-600
COLUMBIA, S.C. 29223

DATE TYPED: 03/09/92

IEA SAMPLE NO: 92-0663

DATE SAMPLED: 02/19/92

CLIENT SAMPLE NO: MW-3

DATE RECEIVED: 02/21/92

CLIENT PROJECT NO: 9-1343 HANDY PANTRY

DATE EXTRACTED: N/A

REPORT OF ANALYSIS

PARAMETERS	MW-3	UNITS	METHOD	DATE OF ANALYSIS	ANALYST
1,1-Dichloroethane	< 500	ug/l	EPA 624	02/25/92	GV
1,2-Dichloroethane	< 500	ug/l	EPA 624	02/25/92	GV
1,1-Dichloroethene	< 500	ug/l	EPA 624	02/25/92	GV
trans-1,2-Dichloroethene	< 500	ug/l	EPA 624	02/25/92	GV
1,2-Dichloropropane	< 500	ug/l	EPA 624	02/25/92	GV
cis-1,3-Dichloropropene	< 500	ug/l	EPA 624	02/25/92	GV
trans-1,3-Dichloropropene	< 500	ug/l	EPA 624	02/25/92	GV
Ethylbenzene	2300	ug/l	EPA 624	02/25/92	GV
Methylene Chloride	< 500	ug/l	EPA 624	02/25/92	GV
1,1,2,2-Tetrachloroethane	< 500	ug/l	EPA 624	02/25/92	GV
Tetrachloroethane	< 500	ug/l	EPA 624	02/25/92	GV
Toluene	1800	ug/l	EPA 624	02/25/92	GV
1,1,1-Trichloroethane	< 500	ug/l	EPA 624	02/25/92	GV
1,1,2-Trichloroethane	< 500	ug/l	EPA 624	02/25/92	GV
Trichloroethene	< 500	ug/l	EPA 624	02/25/92	GV
Trichlorofluoromethane	< 500	ug/l	EPA 624	02/25/92	GV
Vinyl Chloride	< 1000	ug/l	EPA 624	02/25/92	GV

The above analysis was performed in accordance with E.P.A., A.S.T.M. Standard Methods or other approved methods.
Laboratory I.D.-DHRS #86111, E-86106.

Respectfully submitted,

Kerry Prescott
Director of Operations, Florida

KP:lm

an environmental testing company
6546 Pembroke Road
Miramar, Florida 33023
Broward: (305) 989-0928 Dade: (305) 620-4440
FAX (305) 985-9748

CLIENT: SPATCO ENVIRONMENTAL
400 ARBOR LAKE DRIVE
SUITE A-600
COLUMBIA, S.C. 29223

DATE TYPED: 03/09/92

IEA SAMPLE NO: 92-0663

DATE SAMPLED: 02/19/92

CLIENT SAMPLE NO: MW-3

DATE RECEIVED: 02/21/92

CLIENT PROJECT NO: 9-1343 HANDY PANTRY

DATE EXTRACTED: 02/24/92

REPORT OF ANALYSIS

PARAMETERS	MW-3	UNITS	METHOD	DATE OF ANALYSIS	ANALYST
BOD-5	74	mg/l	EPA 5210B	02/21/92	MAB
pH	7.00	units	EPA 150.1	02/24/92	MAB
Total Lead	0.26	mg/l	EPA 239.2	02/26/92	WD

The above analysis was performed in accordance with E.P.A., A.S.T.M. Standard Methods or other approved methods.
Laboratory I.D.-DHRS #86111, E-86106.

Respectfully submitted,

Kerry Prescott
Director of Operations, Florida

KP:lm

an environmental testing company
6546 Pembroke Road
Miramar, Florida 33023
Broward: (305) 989-0928 Dade: (305) 620-4440
FAX (305) 985-9748

CLIENT: SPATCO ENVIRONMENTAL
400 ARBOR LAKE DRIVE
SUITE A-600
COLUMBIA, S.C. 29223

DATE TYPED: 02/17/92

IEA SAMPLE NO: 92-0532

DATE SAMPLED: 02/07/92

CLIENT SAMPLE NO: MW-1 & MW-2

DATE RECEIVED: 02/10/92

CLIENT PROJECT NO: 9-1343 HANDY PANTRY

DATE EXTRACTED: N/A

REPORT OF ANALYSIS

PARAMETERS	MW-1	MW-2	UNITS	METHOD	LIMIT OF DETECTION
Benzene	300	2600	ug/l	EPA 602	100
Toluene	2100	2800	ug/l	EPA 602	100
Ethylbenzene	450	1100	ug/l	EPA 602	100
Xylene	2800	7500	ug/l	EPA 602	100

The above analysis was performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods. Date of analysis 02/14/92. Analyzed by GV. Laboratory I.D.-DHRS #86111, E-86106.

Respectfully submitted,

Kerry Prescott
Director of Operations, Florida

KP/lm

an environmental testing company
6546 Pembroke Road
Miramar, Florida 33023
Broward: (305) 989-0928 Dade: (305) 620-4440
FAX (305) 985-9748

CLIENT: SPATCO ENVIRONMENTAL
400 ARBOR LAKE DRIVE
SUITE A-600
COLUMBIA, S.C. 29223

DATE TYPED: 02/17/92

IEA SAMPLE NO: 92-0532

DATE SAMPLED: 02/07/92

CLIENT SAMPLE NO: MW-3 & MW-4

DATE RECEIVED: 02/10/92

CLIENT PROJECT NO: 9-1343 HANDY PANTRY

DATE EXTRACTED: N/A

REPORT OF ANALYSIS

PARAMETERS	MW-3	MW-4	UNITS	METHOD	LIMIT OF DETECTION
Benzene	8900	860	ug/l	EPA 602	100
Toluene	19,000	4500	ug/l	EPA 602	100
Ethylbenzene	1300	1600	ug/l	EPA 602	100
Xylene	14,000	14,000	ug/l	EPA 602	100

The above analysis was performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods. Date of analysis 02/14/92. Analyzed by GV. Laboratory I.D.-DHRS #86111, E-86106.

Respectfully submitted,

Kerry Prescott
Director of Operations, Florida

KP/lm

South Carolina
DHEC
Department of Health and Environmental Control
2600 Bull Street, Columbia, SC 29201

Commissioner: Douglas E. Bryant

Board: Richard E. Jabbour, DDS, Chairman
Robert J. Stripling, Jr., Vice Chairman
Sandra J. Molander, Secretary

William E. Applegate, III,
John H. Burriss
Tony Graham, Jr., MD
John B. Pate, MD

Promoting Health, Protecting the Environment

Date: OCT 01 1993

Pacemaker Corp.
P.O. Box 2359
Gastonia, NC 28053

Re: GWPD Site # 07584, Handy Pantry #65
Cost Proposal # 0113
Underground Storage Tank Release
Priority Ranking

Dear Underground Storage Tank Owner:

All releases from regulated underground storage tanks that have been reported to this Department have been prioritized using a ranking system that evaluates environmental and health related factors. The ranking system identifies those sites that represent the most serious threats where the Department should be allocating available SUPERB monies. Currently, the referenced site ranks below many hundreds of other sites.

Please note that site rehabilitation activities have been previously approved via the direct billing method (per the referenced cost proposal number) for this site. Due to the relative ranking of this site, continued obligation of financial resources under direct billing is not possible at this time and approval for direct billing is hereby suspended. This letter, and a copy of this letter sent to your site rehabilitation contractor, serve as formal notice to complete any ongoing site rehabilitation activity, submit a report of findings to date, and submit the associated invoices to the Department within 30 days of receipt of this letter. SCDHEC will inform you when the status of your site warrants direct billing to be resumed.

However, you may proceed at your own expense with implementing the approved technical plan of action and seek reimbursement from the SUPERB Account. Please note that reimbursement typically takes a much longer period of time to process and that SUPERB funds are dispersed for reimbursement only as long as funds are available. Reimbursement requests are processed by SCDHEC in chronological order of receipt.

If you have any further questions, please contact Mr. David Baize or Mr. Chris Doll at 734-5331.

Sincerely,

Stanley E. Clark, P.G., Director
Ground-Water Protection Division
Bureau of Drinking Water Protection

SLC/mms

cc: Paul Bristol, Central Midlands District EQC
Chris Legett, SPATCO Environmental

UST PROGRAM DOCKETING # [redacted] #199 Tech

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RECEIVED
JUN 15 1993
Groundwater Protection
Division

June 14, 1993

Marchell Schuman, Hydrogeologist
South Carolina DHEC
2600 Bull Street
Columbia, SC 29201

RE: Handy Pantry #65
GWPD SITE ID 07584
Corner of Two Notch Road and Taylor Street

Dear Ms. Schuman:

We represent Mrs. Betty Gordon Batemen as a real estate broker and hereby give you permission to put in a groundwater monitoring well as requested in your letter dated May 28, 1993.

Yours truly,

Jesse T. Reese, III

JTR,III/dw

UST PROGRAM
DOCKETING # #198 Tech

2014 Assembly Street · Post Office Box 1026 · Columbia, South Carolina 29202 · 803 799-9206

Work ID: 9-2327 Handy Pantry#64/Superb

Work Order # 93-01-121

SAMPLE ID	MW11 (8-10')
DATE COLLECTED	01/07/93 09:35:00
TEST NAME	Purgeable Aromatics
SAMPLE TYPE	Soil
UNITS	ug/kg
ANALYST	RMC

SAMPLE#	07A
MATRIX	SOIL
DATE EXTRACTED	NA
DATE RUN	01/15/93
DILUTION FACTOR	50
% MOISTURE	19.7

	RESULT	FLAG
MTBE	62	U
Benzene	62	U
Toluene	62	U
Ethylbenzene	62	U
Total Xylenes	62	U
Total BTEX	62	U

UST PROGRAM
DOCKETING # [redacted] #199 Tech

Elevated detection limits caused by dilution of sample. Dilution was necessary because of matrix interference.

Work JD: 9-2327 Handy Pantry#64/Superb Work Order # 93-01-121

SAMPLE ID	MW10 (8-10')	SAMPLE#	06A
DATE COLLECTED	01/06/93 14:30:00	MATRIX	SOIL
TEST NAME	Petroleum ID Volatiles		

Sample Type	Soil	Date Run	01/15/93
Units	ug/kg	Dilution Factor	50
Analyst	RMC	% Moisture	18.8

EPA Method: 5030/(GC-PID/FID)

Narrative:
This sample was analyzed by the above methods for volatile petroleum hydrocarbon contamination.
The result of the identification indicates petroleum hydrocarbons similar in distillation range to:

Parameter	Result/Qualifier	MDL
Gasoline	3100 U	3100
Mineral Spirits	120000 U	120000

Elevated detection limits caused by dilution of sample. Dilution was necessary because of matrix interference.

Work JD: 9-2327 Handy Pantry#64/Superb Work Order # 93-01-121

SAMPLE ID MW10 (8-10')
DATE COLLECTED 01/06/93 14:30:00
TEST NAME Petroleum ID Semivolatiles

SAMPLE# 06A
MATRIX SOIL

Sample Type Soil
Units ug/kg
Analyst RJW

Date Run 01/19/93
Dilution Factor 1
% Moisture 18.8

EPA Method: 3550/(GC-FID)

Narrative:
This sample was analyzed by the above methods for semivolatile petroleum hydrocarbon contamination. The result of the identification indicates petroleum hydrocarbons similar in distillation range to:

Parameter	Result/Qualifier	MDL
Kerosene	5050 U	5050
Mineral spirits	5050 U	5050
Diesel fuel	10200 U	10200
Motor oil	185000 U	185000

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : SOIL/SEDIMENT/SOLIDS
REPORT DATE : 01-20-1993

LAB SAMPLE # : 93-01-121-05
ANALYSIS DATE : 01-19-93

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
NAPHTHALENE	80	0	33	41	34	43	3
FLUORENE	80	0	41	51	41	51	0
FLUORANTHENE	80	0	51	64	53	66	4

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
NAPHTHALENE	55	124	20	40	155	20
FLUORENE	38	128	20	38	155	20
FLUORANTHENE	53	150	20	35	150	20

ORLANDO LABORATORIES, INC.

REPORT OF ANALYSIS
Results by Sample

Page: 17

Work ID: 9-2327 Handy Pantry#64/Superb

Work Order # 93-01-121

SAMPLE ID	MW10 (8-10')	SAMPLE#	06A
DATE COLLECTED	01/06/93 14:30:00	MATRIX	SOIL
TEST NAME	Purgeable Aromatics		
SAMPLE TYPE	Soil	DATE EXTRACTED	NA
UNITS	ug/kg	DATE RUN	01/15/93
ANALYST	RMC	DILUTION FACTOR	50
		% MOISTURE	18.8

	RESULT	FLAG
MTBE	62	U
Benzene	62	U
Toluene	62	U
Ethylbenzene	62	U
Total Xylenes	62	U
Total BTEX	62	U

Elevated detection limits caused by dilution of sample. Dilution was necessary because of matrix interference.

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : Soil
REPORT DATE: 1-21-1993
EPA METHOD : 8020

LAB SAMPLE # : 9301121-10
ANALYSIS DATE: 01/15/93

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
Toluene	100	0	105	105	106	106	1
Chlorobenzene	100	0	100	100	105	105	5
Ethylbenzene	100	1	104	103	106	105	2

MATRIX SPIKE QUALITY CONTROL LIMITS

COMPOUND	WATER LOWER	WATER UPPER	WATER RPD	SOIL LOWER	SOIL UPPER	SOIL RPD
Toluene	NA	NA	NA	55	158	37
Chlorobenzene	NA	NA	NA	64	142	25
Ethylbenzene	NA	NA	NA	61	141	33

ORLANDO LABORATORIES, INC.

REPORT OF ANALYSIS
Results by Sample

: 16

Work ID: 9-2327 Handy Pantry#64/Superb

Work Order # 93-01-121

SAMPLE ID MW9 (8-10')
DATE COLLECTED 01/06/93 12:00:00
TEST NAME Petroleum ID Volatiles

SAMPLE# 05A
MATRIX SOIL

Sample Type Soil
Units ug/kg
Analyst RMC

Date Run 01/15/93
Dilution Factor 50
% Moisture 9.6

EPA Method: 5030/(GC-PID/FID)

Narrative:
This sample was analyzed by the above methods for volatile petroleum hydrocarbon contamination.
The result of the identification indicates petroleum hydrocarbons similar in distillation range to:

Parameter	Result/Qualifier	MDL
Gasoline	2800 U	2800
Mineral Spirits	110000 U	110000

Elevated detection limits caused by dilution of sample. Dilution was necessary because of matrix interference.

Work ID: 9-2327 Handy Pantry#64/Superb Work Order # 93-01-121

SAMPLE ID	Method Blank	SAMPLE#	12A
DATE COLLECTED	not specified	MATRIX	METHOD BLANK
TEST NAME	Petroleum ID Volatiles		

Sample Type	Soil	Date Run	01/15/93
Units	ug/kg	Dilution Factor	1
Analyst	RMC	% Moisture	0

EPA Method: 5030/(GC-PID/FID)

Narrative:
This sample was analyzed by the above methods for volatile petroleum hydrocarbon contamination.
The result of the identification indicates petroleum hydrocarbons similar in distillation range to:

Parameter	Result/Qualifier		MDL
Gasoline	50	U	50
Mineral Spirits	2000	U	2000

ORLANDO LABORATORIES, INC.

REPORT OF ANALYSIS
Results by Sample

H[redacted] 15

Work ID: 9-2327 Handy Pantry#64/Superb

Work Order # 93-01-121

SAMPLE ID	MW9 (8-10')	SAMPLE#	05A
DATE COLLECTED	01/06/93 12:00:00	MATRIX	SOIL
TEST NAME	Petroleum ID Semivolatiles		

Sample Type	Soil	Date Run	01/18/93
Units	ug/kg	Dilution Factor	1
Analyst	RJW	% Moisture	9.6

EPA Method: 3550/(GC-FID)

Narrative:
This sample was analyzed by the above methods for semivolatile petroleum hydrocarbon contamination. The result of the identification indicates petroleum hydrocarbons similar in distillation range to:

Parameter	Result/Qualifier	MDL
Kerosene	4540 U	4540
Mineral spirits	4540 U	4540
Diesel fuel	9180 U	9180
Motor oil	166000 U	166000

Work ID: 9-2327 Handy Pantry#64/Superb Work Order # 93-01-121

SAMPLE ID Method Blank SAMPLE# 12A
DATE COLLECTED not specified MATRIX METHOD BLANK
TEST NAME Petroleum ID Semivolatiles

Sample Type Soil Date Run 01/18/93
Units ug/kg Dilution Factor 1
Analyst RJW % Moisture 0

EPA Method: 3550/(GC-FID)

Narrative:
This sample was analyzed by the above methods for semivolatile petroleum hydrocarbon contamination. The result of the identification indicates petroleum hydrocarbons similar in distillation range to:

Parameter	Result/Qualifier	MDL
Kerosene	4100 U	4100
Mineral spirits	4100 U	4100
Diesel fuel	8300 U	8300
Motor oil	150000 U	150000

Work ID: 9-2327 Handy Pantry#64/Superb Work Order # 93-01-121

SAMPLE ID	MW9 (8-10')	SAMPLE#	05A
DATE COLLECTED	01/06/93 12:00:00	MATRIX	SOIL
TEST NAME	Purgeable Aromatics		
SAMPLE TYPE	Soil	DATE EXTRACTED	NA
UNITS	ug/kg	DATE RUN	01/15/93
ANALYST	RMC	DILUTION FACTOR	50
		% MOISTURE	9.6

	RESULT	FLAG
MTBE	55	U
Benzene	55	U
Toluene	55	U
Ethylbenzene	55	U
Total Xylenes	55	U
Total BTEX	55	U

Elevated detection limits caused by dilution of sample. Dilution was necessary because of matrix interference.

Work ID: 9-2327 Handy Pantry#64/Superb

Work Order # 93-01-121

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Purgeable Aromatics

SAMPLE# 12A
MATRIX METHOD BLANK

SAMPLE TYPE Soil
UNITS ug/kg
ANALYST RMC

DATE EXTRACTED NA
DATE RUN 01/15/93
DILUTION FACTOR 1
% MOISTURE 0

	RESULT	FLAG
MTBE	1.0	U
Benzene	1.0	U
Toluene	1.0	U
Ethylbenzene	1.0	U
Total Xylenes	1.0	U
Total BTEX	1.0	U

ORLANDO LABORATORIES, INC. [redacted] REPORT OF ANALYSIS [redacted]: 13
Results by Sample

Work ID: 9-2327 Handy Pantry#64/Superb Work Order # 93-01-121

SAMPLE ID MW8 (8-10')
DATE COLLECTED 01/05/93 16:00:00
TEST NAME Petroleum ID Volatiles

SAMPLE# 04A
MATRIX SOIL

Sample Type Soil
Units ug/kg
Analyst RMC

Date Run 01/15/93
Dilution Factor 50
% Moisture 24.8

EPA Method: 5030/(GC-PID/FID)

Narrative:
This sample was analyzed by the above methods for volatile petroleum hydrocarbon contamination.
The result of the identification indicates petroleum hydrocarbons similar in distillation range to:

Parameter	Result/Qualifier	MDL
Gasoline	3300 U	3300
Mineral Spirits	130000 U	130000

Elevated detection limits caused by dilution of sample. Dilution was necessary because of matrix interference.

Work ID: 9-2327 Handy Pantry#64/Superb Work Order # 93-01-121

SAMPLE ID DW-1 (8-10')
DATE COLLECTED 01/11/93 09:50:00
TEST NAME Petroleum ID Volatiles

SAMPLE# 10A
MATRIX SOIL

Sample Type Soil
Units ug/kg
Analyst RMC

Date Run 01/16/93
Dilution Factor 50
% Moisture 22.2

EPA Method: 5030/(GC-PID/FID)

Narrative:
This sample was analyzed by the above methods for volatile petroleum hydrocarbon contamination.
The result of the identification indicates petroleum hydrocarbons similar in distillation range to:

Parameter	Result/Qualifier		MDL
Gasoline	8200		3200
Mineral Spirits	130000	U	130000

Elevated detection limits caused by dilution of sample. Dilution was necessary because compound concentrations were outside of calibration range.

Work ID: 9-2327 Handy Pantry#64/Superb Work Order # 93-01-121

SAMPLE ID MW8 (8-10')
DATE COLLECTED 01/05/93 16:00:00
TEST NAME Petroleum ID Semivolatiles

SAMPLE# 04A
MATRIX SOIL

Sample Type Soil
Units ug/kg
Analyst RJW

Date Run 01/18/93
Dilution Factor 1
% Moisture 24.8

EPA Method: 3550/(GC-FID)

Narrative:
This sample was analyzed by the above methods for semivolatile petroleum hydrocarbon contamination. The result of the identification indicates petroleum hydrocarbons similar in distillation range to:

Parameter	Result/Qualifier	MDL
Kerosene	5450 U	5450
Mineral spirits	5450 U	5450
Diesel fuel	11000 U	11000
Motor oil	199000 U	199000

Work ID: 9-2327 Handy Pantry#64/Superb Work Order # 93-01-121

SAMPLE ID DW-1 (8-10') SAMPLE# 10A
DATE COLLECTED 01/11/93 09:50:00 MATRIX SOIL
TEST NAME Petroleum ID Semivolatiles

Sample Type Soil
Units ug/kg
Analyst RJW

Date Run 01/19/93
Dilution Factor 1
% Moisture 22.2

EPA Method: 3550/(GC-FID)

Narrative:
This sample was analyzed by the above methods for semivolatile petroleum hydrocarbon contamination. The result of the identification indicates petroleum hydrocarbons similar in distillation range to:

Parameter	Result/Qualifier		MDL
Kerosene	5270	U	5270
Mineral spirits	5270	U	5270
Diesel fuel	10700	U	10700
Motor oil	193000	U	193000
Additional Compounds			
Unknown Hydrocarbon	24000		11000

Work ID: 9-2327 Handy Pantry#64/Superb

Work Order # 93-01-121

SAMPLE ID MW8 (8-10')
DATE COLLECTED 01/05/93 16:00:00
TEST NAME Purgeable Aromatics

SAMPLE# 04A
MATRIX SOIL

SAMPLE TYPE Soil
UNITS ug/kg
ANALYST RMC

DATE EXTRACTED NA
DATE RUN 01/15/93
DILUTION FACTOR 50
% MOISTURE 24.8

	RESULT	FLAG
MTBE	66	U
Benzene	66	U
Toluene	66	U
Ethylbenzene	66	U
Total Xylenes	66	U
Total BTEX	66	U

Elevated detection limits caused by dilution of sample. Dilution was necessary because of matrix interference.

Work ID: 9-2327 Handy Pantry#64/Superb

Work Order # 93-01-121

SAMPLE ID	DW-1 (8-10')
DATE COLLECTED	01/11/93 09:50:00
TEST NAME	Purgeable Aromatics
SAMPLE TYPE	Soil
UNITS	ug/kg
ANALYST	RMC

SAMPLE#	10A
MATRIX	SOIL
DATE EXTRACTED	NA
DATE RUN	01/16/93
DILUTION FACTOR	50
% MOISTURE	22.2

	RESULT	FLAG
MTBE	64	U
Benzene	64	U
Toluene	64	U
Ethylbenzene	75	
Total Xylenes	240	
Total BTEX	315	

Elevated detection limits caused by dilution of sample. Dilution was necessary because compound concentrations were outside of calibration range.

Work ID: 9-2327 Handy Pantry#64/Superb Work Order # 93-01-121

SAMPLE ID	MW7 (8-10')	SAMPLE#	03A
DATE COLLECTED	01/05/93 14:50:00	MATRIX	SOIL
TEST NAME	Petroleum ID Volatiles		

Sample Type	Soil	Date Run	01/15/93
Units	ug/kg	Dilution Factor	50
Analyst	RMC	% Moisture	14.7

EPA Method: 5030/(GC-PID/FID)

Narrative:
This sample was analyzed by the above methods for volatile petroleum hydrocarbon contamination.
The result of the identification indicates petroleum hydrocarbons similar in distillation range to:

Parameter	Result/Qualifier	MDL
Gasoline	2900 U	2900
Mineral Spirits	120000 U	120000

Elevated detection limits caused by dilution of sample. Dilution was necessary because of matrix interference.

SAMPLE ID RW-1 (8-10') SAMPLE# 09A
DATE COLLECTED 01/07/93 14:50:00 MATRIX SOIL
TEST NAME Petroleum ID Volatiles

Sample Type Soil Date Run 01/16/93
Units ug/kg Dilution Factor 100
Analyst RMC % Moisture 14.5

EPA Method: 5030/(GC-PID/FID)

Narrative:
This sample was analyzed by the above methods for volatile petroleum hydrocarbon contamination.
The result of the identification indicates petroleum hydrocarbons similar in distillation range to:

Parameter	Result/Qualifier	MDL
Gasoline	300000	5800
Mineral Spirits	230000 U	230000

Elevated detection limits caused by dilution of sample. Dilution was necessary because compound concentrations were outside of calibration range.

SAMPLE ID MW7 (8-10')
DATE COLLECTED 01/05/93 14:50:00
TEST NAME Petroleum ID Semivolatiles

SAMPLE# 03A
MATRIX SOIL

Sample Type Soil
Units ug/kg
Analyst RJW

Date Run 01/19/93
Dilution Factor 1
% Moisture 14.7

EPA Method: 3550/(GC-FID)

Narrative:
This sample was analyzed by the above methods for semivolatile petroleum hydrocarbon contamination. The result of the identification indicates petroleum hydrocarbons similar in distillation range to:

Parameter	Result/Qualifier	MDL
Kerosene	4810 U	4810
Mineral spirits	4810 U	4810
Diesel fuel	9730 U	9730
Motor oil	176000 U	176000

SAMPLE ID RW-1 (8-10')
DATE COLLECTED 01/07/93 14:50:00
TEST NAME Petroleum ID Semivolatiles

SAMPLE# 09A
MATRIX SOIL

Sample Type Soil
Units ug/kg
Analyst RJW

Date Run 01/19/93
Dilution Factor 4
% Moisture 14.5

EPA Method: 3550/(GC-FID)

Narrative:
This sample was analyzed by the above methods for semivolatile petroleum hydrocarbon contamination. The result of the identification indicates petroleum hydrocarbons similar in distillation range to:

Parameter	Result/Qualifier	MDL
Kerosene	19200 U	19200
Mineral spirits	19200 U	19200
Diesel fuel	152000	38800
Motor oil	702000 U	702000

Elevated detection limits caused by dilution of sample. Dilution was necessary because compound concentrations were outside of calibration range.

Work ID: 9-2327 Handy Pantry#64/Superb

Work Order # 93-01-121

SAMPLE ID	MW7 (8-10')	SAMPLE#	03A
DATE COLLECTED	01/05/93 14:50:00	MATRIX	SOIL
TEST NAME	Purgeable Aromatics		
SAMPLE TYPE	Soil	DATE EXTRACTED	NA
UNITS	ug/kg	DATE RUN	01/15/93
ANALYST	RMC	DILUTION FACTOR	50
		% MOISTURE	14.7

	RESULT	FLAG
MTBE	59	U
Benzene	59	U
Toluene	59	U
Ethylbenzene	59	U
Total Xylenes	59	U
Total BTEX	59	U

Elevated detection limits caused by dilution of sample. Dilution was necessary because of matrix interference.

SAMPLE ID	RW-1 (8-10')	SAMPLE#	09A
DATE COLLECTED	01/07/93 14:50:00	MATRIX	SOIL
TEST NAME	Purgeable Aromatics		
SAMPLE TYPE	Soil	DATE EXTRACTED	NA
UNITS	ug/kg	DATE RUN	01/16/93
ANALYST	RMC	DILUTION FACTOR	100
		% MOISTURE	14.5

	RESULT	FLAG
MTBE	120	U
Benzene	120	U
Toluene	3400	
Ethylbenzene	3400	
Total Xylenes	16000	
Total BTEX	22800	

Elevated detection limits caused by dilution of sample. Dilution was necessary because compound concentrations were outside of calibration range.

Work ID: 9-2327 Handy Pantry#64/Superb

Work Order # 93-01-121

SAMPLE ID MW6 (3-5')
DATE COLLECTED 01/05/93 11:00:00
TEST NAME Petroleum ID Volatiles

SAMPLE# 02A
MATRIX SOIL

Sample Type Soil
Units ug/kg
Analyst RMC

Date Run 01/15/93
Dilution Factor 50
% Moisture 8.1

EPA Method: 5030/(GC-PID/FID)

Narrative:
This sample was analyzed by the above methods for volatile petroleum hydrocarbon contamination.
The result of the identification indicates petroleum hydrocarbons similar in distillation range to:

Parameter	Result/Qualifier	MDL
Gasoline	2700 U	2700
Mineral Spirits	110000 U	110000

Elevated detection limits caused by dilution of sample. Dilution was necessary because of matrix interference.

Sample contains target compounds which are often petroleum related. No identifiable pattern exist.

SAMPLE ID MW12 (3-5')
DATE COLLECTED 01/07/93 13:00:00
TEST NAME Petroleum ID Volatiles

SAMPLE# 08A
MATRIX SOIL

ample Type Soil
nits ug/kg
nalyst RMC

Date Run 01/18/93
Dilution Factor 50
% Moisture 11.3

EPA Method: 5030/(GC-PID/FID)

Narrative:
This sample was analyzed by the above methods for volatile petroleum hydrocarbon contamination.
The result of the identification indicates petroleum hydrocarbons similar in distillation range to:

Parameter	Result/Qualifier	MDL
Gasoline	2800 U	2800
Mineral Spirits	110000 U	110000

Elevated detection limits caused by dilution of sample. Dilution was necessary because of matrix interference.

Work ID: 9-2327 Handy Pantry#64/Superb Work Order # 93-01-121

SAMPLE ID MW6 (3-5')
DATE COLLECTED 01/05/93 11:00:00
TEST NAME Petroleum ID Semivolatiles

SAMPLE# 02A
MATRIX SOIL

Sample Type Soil
Units ug/kg
Analyst RJW

Date Run 01/19/93
Dilution Factor 1
% Moisture 8.1

EPA Method: 3550/(GC-FID)

Narrative:
This sample was analyzed by the above methods for semivolatile petroleum hydrocarbon contamination. The result of the identification indicates petroleum hydrocarbons similar in distillation range to:

Parameter	Result/Qualifier	MDL
Kerosene	4460 U	4460
Mineral spirits	4460 U	4460
Diesel fuel	9030 U	9030
Motor oil	163000 U	163000

ork ID: 9-2327 Handy Pantry#64/Superb Work Order # 93-01-121

SAMPLE ID MW12 (3-5')
DATE COLLECTED 01/07/93 13:00:00
TEST NAME Petroleum ID Semivolatiles

SAMPLE# 08A
MATRIX SOIL

Sample Type Soil
Units ug/kg
Analyst RJW

Date Run 01/18/93
Dilution Factor 1
% Moisture 11.3

EPA Method: 3550/(GC-FID)

Narrative:
This sample was analyzed by the above methods for semivolatile petroleum hydrocarbon contamination. The result of the identification indicates petroleum hydrocarbons similar in distillation range to:

Parameter	Result/Qualifier	MDL
Kerosene	4620 U	4620
Mineral spirits	4620 U	4620
Diesel fuel	9360 U	9360
Motor oil	169000 U	169000

Work ID: 9-2327 Handy Pantry#64/Superb

Work Order # 93-01-121

SAMPLE ID	MW6 (3-5')
DATE COLLECTED	01/05/93 11:00:00
TEST NAME	Purgeable Aromatics
SAMPLE TYPE	Soil
UNITS	ug/kg
ANALYST	RMC

SAMPLE#	02A
MATRIX	SOIL
DATE EXTRACTED	NA
DATE RUN	01/15/93
DILUTION FACTOR	50
% MOISTURE	8.1

	RESULT	FLAG
MTBE	54	U
Benzene	54	U
Toluene	54	U
Ethylbenzene	64	
Total Xylenes	54	U
Total BTEX	64	

Elevated detection limits caused by dilution of sample. Dilution was necessary because of matrix interference.

Work ID: 9-2327 Handy Pantry#64/Superb

Work Order # 93-01-121

SAMPLE ID	MW12 (3-5')	SAMPLE#	08A
DATE COLLECTED	01/07/93 13:00:00	MATRIX	SOIL
TEST NAME	Purgeable Aromatics		
SAMPLE TYPE	Soil	DATE EXTRACTED	NA
UNITS	ug/kg	DATE RUN	01/18/93
ANALYST	RMC	DILUTION FACTOR	50
		% MOISTURE	11.3

	RESULT	FLAG
MTBE	56	U
Benzene	56	U
Toluene	56	U
Ethylbenzene	56	U
Total Xylenes	56	U
Total BTEX	56	U

Elevated detection limits caused by dilution of sample. Dilution was necessary because of matrix interference.

Work ID: 9-2327 Handy Pantry#64/Superb

Work Order # 93-01-121

SAMPLE ID MW5 (13-15')
DATE COLLECTED 01/05/93 10:00:00
TEST NAME Petroleum ID Volatiles

SAMPLE# 01A
MATRIX SOIL

Sample Type Soil
Units ug/kg
Analyst RMC

Date Run 01/15/93
Dilution Factor 50
% Moisture 18.8

EPA Method: 5030/(GC-PID/FID)

Narrative:
This sample was analyzed by the above methods for volatile petroleum hydrocarbon contamination.
The result of the identification indicates petroleum hydrocarbons similar in distillation range to:

Parameter	Result/Qualifier		MDL
Gasoline	3100	U	3100
Mineral Spirits	120000	U	120000

Elevated detection limits caused by dilution of sample. Dilution was necessary because of matrix interference.

/ork ID: 9-2327 Handy Pantry#64/Superb Work Order # 93-01-121

SAMPLE ID	MW11 (8-10')	SAMPLE#	07A
DATE COLLECTED	01/07/93 09:35:00	MATRIX	SOIL
TEST NAME	Petroleum ID Volatiles		

Sample Type	Soil	Date Run	01/15/93
Units	ug/kg	Dilution Factor	50
Analyst	RMC	% Moisture	19.7

EPA Method: 5030/(GC-PID/FID)

Narrative:
This sample was analyzed by the above methods for volatile petroleum hydrocarbon contamination.
The result of the identification indicates petroleum hydrocarbons similar in distillation range to:

Parameter	Result/Qualifier		MDL
Gasoline	3100	U	3100
Mineral Spirits	120000	U	120000

Elevated detection limits caused by dilution of sample. Dilution was necessary because of matrix interference.

SAMPLE ID MW5 (13-15')
DATE COLLECTED 01/05/93 10:00:00
TEST NAME Petroleum ID Semivolatiles

SAMPLE# 01A
MATRIX SOIL

Sample Type Soil
Units ug/kg
Analyst RJW

Date Run 01/19/93
Dilution Factor 1
% Moisture 18.8

EPA Method: 3550/(GC-FID)

Narrative:
This sample was analyzed by the above methods for semivolatile petroleum hydrocarbon contamination. The result of the identification indicates petroleum hydrocarbons similar in distillation range to:

Parameter	Result/Qualifier	MDL
Kerosene	5050 U	5050
Mineral spirits	5050 U	5050
Diesel fuel	10200 U	10200
Motor oil	185000 U	185000

SAMPLE ID MW11 (8-10')
DATE COLLECTED 01/07/93 09:35:00
TEST NAME Petroleum ID Semivolatiles

SAMPLE# 07A
MATRIX SOIL

Sample Type Soil
Units ug/kg
Analyst RJW

Date Run 01/18/93
Dilution Factor 1
% Moisture 19.2

EPA Method: 3550/(GC-FID)

Narrative:
This sample was analyzed by the above methods for semivolatile petroleum hydrocarbon contamination. The result of the identification indicates petroleum hydrocarbons similar in distillation range to:

Parameter	Result/Qualifier	MDL
Kerosene	5070 U	5070
Mineral spirits	5070 U	5070
Diesel fuel	10300 U	10300
Motor oil	186000 U	186000

ORLANDO LABORATORIES, INC.

REPORT OF ANALYSIS
Results by Sample

Work ID: 9-2327 Handy Pantry#64/Superb

Work Order # 93-01-121

SAMPLE ID	MW5 (13-15')	SAMPLE#	01A
DATE COLLECTED	01/05/93 10:00:00	MATRIX	SOIL
TEST NAME	Purgeable Aromatics		
SAMPLE TYPE	Soil	DATE EXTRACTED	NA
UNITS	ug/kg	DATE RUN	01/15/93
ANALYST	RMC	DILUTION FACTOR	50
		% MOISTURE	18.8

	RESULT	FLAG
MTBE	62	U
Benzene	62	U
Toluene	62	U
Ethylbenzene	62	U
Total Xylenes	62	U
Total BTEX	62	U

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Groundwater Protection
Division

Elevated detection limits caused by dilution of sample. Dilution was necessary because of matrix interference.

South Carolina
DHEC
Department of Health and Environmental Control
2600 Bull Street, Columbia, SC 29201

Commissioner: Michael D. Jarrett

Board: William E. Applegate, III, Chairman
John H. Burriss, Vice Chairman
Richard E. Jabbour, DDS, Secretary
Toney Graham, Jr., MD
Sandra J. Molander
John B. Pate, MD
Robert J. Stripling, Jr.

Promoting Health, Protecting the Environment

May 29, 1992

Mr. Mark Roberts
Acme Petroleum, Inc.
P.O. Box 2359
Gastonia, NC 28053

Re: Handy Pantry
GWPD SITE ID: #07584
submittal of Expanded Assessment Plan on 3\27\92
Richland County

Dear Mr. Roberts:

The Ground-Water Protection Division (GWPD) of the South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed the above referenced Expanded Assessment Plan. The monitoring well approval for up to 9 wells which includes one recovery well and one telescoping well is enclosed. The plan is approved with the following conditions:

- This office suggests if possible that MW-11 be moved farther up gradient behind the car wash.
- This office along with the Wastewater Division does not approve of sampling from the effluent of the pumping test for a worst case well analysis. The remediation system should be designed based on the actual worst case well.

The following adjustments have been made to the Cost estimate:

- Less $172.50 for two analyses for MTBE. The initial analyses can be incorporated as part of the worst case well analysis.
- Less $207.00 for two analyses for 602. EPA Method 602 is not needed as part of the worst case well analysis if EPA Method 624/625 is utilized.
- Less $16.00 for one Fe analysis.
- Less $16.00 for one Mn analysis.
- Less $103.50 for one xylenes analysis.
- Less $230.00 for one EPA Method 624.
- Less $500.00 for one EPA Method 625.
- Less $40.00 for one BOD analysis.
- Less $23.00 for one PB analysis.
- Less $277.00 for a utility locator. Utility locator companies will locate utilities in the right-of-way for no cost. The station is an operating station, therefore,

UST PROGRAM
DOCKETING # 20Dtech

the station owner/operator should know where all tanks, product lines, and utility lines are located.

- Less $435.00 for exceeding 15% markup on the rate per gallon. The rate has been adjusted to $.48 per gallon.

- Less $1000 under miscellaneous on AP Implementation for Invoice/Update Prep. This has been adjusted to $500.00 and moved to the summary sheets under invoice preparation. The only tasks which are considered at $200.00 for Invoice/Update Preparation are Assessment Plan implementation and Assessment Report Preparation.

- Less $546.00 for senior review. This office will allow a maximum of two hours senior review on expanded assessment reports.

This office believes that the submittal of the Cost Proposal for Correction Action Plan Preparation is premature and can not be reviewed at this time. This cost proposal will be reviewed upon submittal of the Assessment Report.

The referenced Cost estimate has been approved for **$59,554.23.** A Cost Proposal number (CP# 0113) has been assigned to the above referenced work. Please reference this number for all billing matters related to the referenced work. When submitting Invoices for the referenced Cost Proposal, please include all applicable supporting documentation (i.e. receipts for polyethylene plastic, pressure transducer, data logger).

This Department reserves the authority to pay only for work properly performed and/or technically justified. Also, this Department will seek cost recovery where appropriate. Approval of this work plan does not, in any way, acknowledge Department concurrence that all the elements included therein will be necessary at this site.

A site status update form has been enclosed. An update form should accompany all invoices submitted to this office. If you have any question, please call me at (803)734-5431.

Sincerely,

Marchell Zoglman

Marchell Zoglman, Hydrogeologist
UST State Corrective Action Section
Ground-Water Protection Division
Bureau of Drinking Water Protection

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Enclosure - MWAF
Site Status Update Sheet

cc: Kim Caulk, SPATCO - Columbia (MWA & EAU)
Paul Bristol, Central Midlands District EQC
Robertha Dorsey, GWPD
Consultant's File

South Carolina
DHEC
Department of Health and Environmental Control
2600 Bull Street, Columbia, SC 29201

Commissioner: Michael D. Jarrett

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Richard E. Jabbour, DDS, Secretary
Toney Graham, Jr., MD
Sandra J. Molander
John B. Pate, MD
Robert J. Stripling, Jr.

Promoting Health, Protecting the Environment

4

Monitoring Well Approval

Approval is hereby granted to: SPATCO Environmental
400 Arbor Lake Drive, Suite A-600
Columbia, SC 29223

Re: Handy Pantry
GWPD ID# 07584
Richland County

for the construction of monitoring wells designated MW-5 through MW-11, RW-1, and MW-3A in accordance with the construction plans and specification submitted on 4/27/92.

MW-5 through MW-11 will be constructed to the approximate depth of 35 feet below the surface and screened in the uppermost portion of the aquifer for the purpose of monitoring hydrocarbon contamination. RW-1 will be constructed to a depth of 40 feet and a width of 4". MW-3A will be constructed to a total depth of 60 feet.

Conditions:

That the latitude and longitude and actual construction details for each well be submitted with the report of findings.

That Paul Bristol of the Central Midlands District EQC office (803-935-7015) should be notified at least 72 hours prior to well installation.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and the South Carolina Department of Health and Environmental Control Well Standards and Regulations R. 61-71.

Date of Issue: May 22, 1992

James R. Hess, P.G., Manager
UST State Corrective Action Section
Ground-Water Protection Division
Bureau of Drinking Water Protection

MWA4190
cc: Paul Bristol, Central Midlands District EQC
Mark Roberts, ACME Petroleum, Inc.

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iea
an environmental testing company
6546 Pembroke Road
Miramar, Florida 33023
Broward: (305) 989-0928 Dade: (305) 620-4440
FAX (305) 985-9748

CLIENT: SPATCO ENVIRONMENTAL
400 ARBOR LAKE DRIVE
SUITE A-600
COLUMBIA, S.C. 29223

DATE TYPED: 03/09/92

IEA SAMPLE NO: 92-0663

DATE SAMPLED: 02/19/92

CLIENT SAMPLE NO: MW-3

DATE RECEIVED: 02/21/92

CLIENT PROJECT NO: 9-1343 HANDY PANTRY

DATE EXTRACTED: 02/24/92

REPORT OF ANALYSIS

PARAMETERS	MW-3	UNITS	METHOD	DATE OF ANALYSIS	ANALYST
Acenaphthene	< 10	ug/l	EPA 625	03/06/92	RF
Acenapthhylene	< 10	ug/l	EPA 625	03/06/92	RF
Anthracene	< 10	ug/l	EPA 625	03/06/92	RF
Benzo(a)anthracene	< 10	ug/l	EPA 625	03/06/92	RF
Benzo(a)pyrene	< 10	ug/l	EPA 625	03/06/92	RF
Benzo(b)fluoranthene	< 10	ug/l	EPA 625	03/06/92	RF
Benzo(g,h,i)perylene	< 10	ug/l	EPA 625	03/06/92	RF
Benzo(k)fluoranthene	< 10	ug/l	EPA 625	03/06/92	RF
bis(2-Chloroethoxy)methane	< 10	ug/l	EPA 625	03/06/92	RF
bis(2-Chloroethyl)ether	< 10	ug/l	EPA 625	03/06/92	RF
bis(2-Chloroisopropyl)ether	< 10	ug/l	EPA 625	03/06/92	RF
bis(2-Ethylhexyl)phthalate	< 10	ug/l	EPA 625	03/06/92	RF
4-Bromophenyl phenyl ether	< 10	ug/l	EPA 625	03/06/92	RF
Benzyl butyl phthalate	< 10	ug/l	EPA 625	03/06/92	RF
2-Chloronaphthalene	< 10	ug/l	EPA 625	03/06/92	RF
4-Chlorophenyl phenyl ether	< 10	ug/l	EPA 625	03/06/92	RF
Chrysene	< 10	ug/l	EPA 625	03/06/92	RF
Dibenzo(a,h)anthracene	< 10	ug/l	EPA 625	03/06/92	RF

The above analysis was performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.
Laboratory I.D.-#86111, E-86101.

Respectfully submitted,

Kerry Prescott
Director of Operations, Florida

KP/lm

UST PROGRAM
DOCKETING # 202 Tech

iea
an environmental testing company
6546 Pembroke Road
Miramar, Florida 33023
Broward: (305) 989-0928 Dade: (305) 620-4440
FAX (305) 985-9748

CLIENT: SPATCO ENVIRONMENTAL
400 ARBOR LAKE DRIVE
SUITE A-600
COLUMBIA, S.C. 29223

DATE TYPED: 03/09/92

IEA SAMPLE NO: 92-0663

DATE SAMPLED: 02/19/92

CLIENT SAMPLE NO: MW-3

DATE RECEIVED: 02/21/92

CLIENT PROJECT NO: 9-1343 HANDY PANTRY

DATE EXTRACTED: 02/24/92

REPORT OF ANALYSIS

PARAMETERS	MW-3	UNITS	METHOD	DATE OF ANALYSIS	ANALYST
1,2-Dichlorobenzene	< 10	ug/l	EPA 625	03/06/92	RF
1,3-Dichlorobenzene	< 10	ug/l	EPA 625	03/06/92	RF
1,4-Dichlorobenzene	< 10	ug/l	EPA 625	03/06/92	RF
3,3'-Dichlorobenzidine	< 10	ug/l	EPA 625	03/06/92	RF
Diethyl phthalate	< 10	ug/l	EPA 625	03/06/92	RF
Dimethyl phthalate	< 10	ug/l	EPA 625	03/06/92	RF
2,4-Dinitrotoluene	< 10	ug/l	EPA 625	03/06/92	RF
2,6-Dinitrotoluene	< 10	ug/l	EPA 625	03/06/92	RF
Di-n-octylphthalate	< 10	ug/l	EPA 625	03/06/92	RF
Fluoranthene	< 10	ug/l	EPA 625	03/06/92	RF
Fluorene	< 10	ug/l	EPA 625	03/06/92	RF
Hexachlorobenzene	< 10	ug/l	EPA 625	03/06/92	RF
Hexachlorobutadiene	< 10	ug/l	EPA 625	03/06/92	RF
Hexachloroethane	< 10	ug/l	EPA 625	03/06/92	RF
Indeno(1,2,3-cd)pyrene	< 10	ug/l	EPA 625	03/06/92	RF
Isophorone	58	ug/l	EPA 625	03/06/92	RF
Naphthalene	610	ug/l	EPA 625	03/06/92	RF
Nitrobenzene	< 10	ug/l	EPA 625	03/06/92	RF

The above analysis was performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.
Laboratory I.D.-#86111, E-86101.

Respectfully submitted,

Kerry Pyescott
Director of Operations, Florida

KP/lm

iea
an environmental testing company
6546 Pembroke Road
Miramar, Florida 33023
Broward: (305) 986-0928 Dade: (305) 620-4440
FAX (306) 985-9748

CLIENT: SPATCO ENVIRONMENTAL
400 ARBOR LAKE DRIVE
SUITE A-600
COLUMBIA, S.C. 29223

DATE TYPED: 03/09/92

IEA SAMPLE NO: 92-0663

DATE SAMPLED: 02/19/92

CLIENT SAMPLE NO: MW-3

DATE RECEIVED: 02/21/92

CLIENT PROJECT NO: 9-1343 HANDY PANTRY

DATE EXTRACTED: 02/24/92

REPORT OF ANALYSIS

PARAMETERS	MW-3	UNITS	METHOD	DATE OF ANALYSIS	ANALYST
N-Nitroso-di-n-propylamine	< 10	ug/l	EPA 625	03/06/92	RF
N-Nitrosodiphenylamine	< 10	ug/l	EPA 625	03/06/92	RF
Phenanthrene	< 10	ug/l	EPA 625	03/06/92	RF
Pyrene	< 10	ug/l	EPA 625	03/06/92	RF
1,2,4-Trichlorobenzene	< 10	ug/l	EPA 625	03/06/92	RF
Benzidine	< 10	ug/l	EPA 625	03/06/92	RF
N-Nitrosodimethylamine	< 10	ug/l	EPA 625	03/06/92	RF
4-Chloro-3-methylphenol	32	ug/l	EPA 625	03/06/92	RF
2-Chlorophenol	< 10	ug/l	EPA 625	03/06/92	RF
2,4-Dichlorophenol	< 10	ug/l	EPA 625	03/06/92	RF
2,4-Dimethylphenol	< 10	ug/l	EPA 625	03/06/92	RF
2,4-Dinitrophenol	< 10	ug/l	EPA 625	03/06/92	RF
2-Methyl-4,6-dinitrophenol	31	ug/l	EPA 625	03/06/92	RF
2-Nitrophenol	< 10	ug/l	EPA 625	03/06/92	RF
4-Nitrophenol	< 10	ug/l	EPA 625	03/06/92	RF
Pentachlorophenol	< 10	ug/l	EPA 625	03/06/92	RF
Phenol	11	ug/l	EPA 625	03/06/92	RF
2,4,6-Trichlorophenol	< 10	ug/l	EPA 625	03/06/92	RF

The above analysis was performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.
Laboratory I.D.-#86111, E-86101.

Respectfully submitted,

Kerry Prescott
Director of Operations, Florida

KP/lm

iea
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8546 Pembroke Road
Miramar, Florida 33023
Broward: (305) 989-0928 Dade: (305) 620-4440
FAX (305) 985-9748

CLIENT: SPATCO ENVIRONMENTAL
400 ARBOR LAKE DRIVE
SUITE A-600
COLUMBIA, S.C. 29223

DATE TYPED: 03/09/92

IEA SAMPLE NO: 92-0663

DATE SAMPLED: 02/19/92

CLIENT SAMPLE NO: MW-3

DATE RECEIVED: 02/21/92

CLIENT PROJECT NO: 9-1343 HANDY PANTRY

DATE EXTRACTED: N/A

REPORT OF ANALYSIS

PARAMETERS	MW-3	UNITS	METHOD	DATE OF ANALYSIS	ANLST
Benzene	8400	ug/l	EPA 624	02/25/92	GV
Bromodichloromethane	< 500	ug/l	EPA 624	02/25/92	GV
Bromoform	< 500	ug/l	EPA 624	02/25/92	GV
Bromomethane	< 1000	ug/l	EPA 624	02/25/92	GV
Carbon tetrachloride	< 500	ug/l	EPA 624	02/25/92	GV
Chlorobenzene	< 500	ug/l	EPA 624	02/25/92	GV
Chloroethane	< 1000	ug/l	EPA 624	02/25/92	GV
2-Chloroethylvinyl ether	< 500	ug/l	EPA 624	02/25/92	GV
Chloroform	< 500	ug/l	EPA 624	02/25/92	GV
Chloromethane	< 1000	ug/l	EPA 624	02/25/92	GV
Dibromochloromethane	< 500	ug/l	EPA 624	02/25/92	GV
1,2-Dichlorobenzene	< 500	ug/l	EPA 624	02/25/92	GV
1,3-Dichlorobenzene	< 500	ug/l	EPA 624	02/25/92	GV
1,4-Dichlorobenzene	< 500	ug/l	EPA 624	02/25/92	GV
1,1-Dichloroethane	< 500	ug/l	EPA 624	02/25/92	GV
1,2-Dichloroethane	< 500	ug/l	EPA 624	02/25/92	GV

The above analysis was performed in accordance with E.P.A., A.S.T.M. Standard Methods or other approved methods.
Laboratory I.D.-DHRS #86111, E-86106.

Respectfully submitted,

Kerry Prescott
Director of Operations, Florida

KP:lm

iea
an environmental testing company
6546 Pembroke Road
Miramar, Florida 33023
Broward: (305) 989-0928 Dade: (305) 620-4440
FAX (305) 985-9748

CLIENT: SPATCO ENVIRONMENTAL
400 ARBOR LAKE DRIVE
SUITE A-600
COLUMBIA, S.C. 29223

DATE TYPED: 03/09/92

IEA SAMPLE NO: 92-0663

DATE SAMPLED: 02/19/92

CLIENT SAMPLE NO: MW-3

DATE RECEIVED: 02/21/92

CLIENT PROJECT NO: 9-1343 HANDY PANTRY

DATE EXTRACTED: N/A

REPORT OF ANALYSIS

PARAMETERS	MW-3	UNITS	METHOD	DATE OF ANALYSIS	ANALYST
1,1-Dichloroethane	< 500	ug/l	EPA 624	02/25/92	GV
1,2-Dichloroethane	< 500	ug/l	EPA 624	02/25/92	GV
1,1-Dichloroethene	< 500	ug/l	EPA 624	02/25/92	GV
trans-1,2-Dichloroethene	< 500	ug/l	EPA 624	02/25/92	GV
1,2-Dichloropropane	< 500	ug/l	EPA 624	02/25/92	GV
cis-1,3-Dichloropropene	< 500	ug/l	EPA 624	02/25/92	GV
trans-1,3-Dichloropropene	< 500	ug/l	EPA 624	02/25/92	GV
Ethylbenzene	2300	ug/l	EPA 624	02/25/92	GV
Methylene Chloride	< 500	ug/l	EPA 624	02/25/92	GV
1,1,2,2-Tetrachloroethane	< 500	ug/l	EPA 624	02/25/92	GV
Tetrachloroethane	< 500	ug/l	EPA 624	02/25/92	GV
Toluene	1800	ug/l	EPA 624	02/25/92	GV
1,1,1-Trichloroethane	< 500	ug/l	EPA 624	02/25/92	GV
1,1,2-Trichloroethane	< 500	ug/l	EPA 624	02/25/92	GV
Trichloroethene	< 500	ug/l	EPA 624	02/25/92	GV
Trichlorofluoromethane	< 500	ug/l	EPA 624	02/25/92	GV
Vinyl Chloride	< 1000	ug/l	EPA 624	02/25/92	GV

The above analysis was performed in accordance with E.P.A., A.S.T.M. Standard Methods or other approved methods.
Laboratory I.D.-DHRS #86111, E-86106.

Respectfully submitted,

Kerry Prescott
Director of Operations, Florida

KP:lm

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6646 Pembroke Road
Miramar, Florida 33023
Broward: (305) 989-0928 Dade: (305) 620-4440
FAX (305) 985-9748

CLIENT: SPATCO ENVIRONMENTAL
400 ARBOR LAKE DRIVE
SUITE A-600
COLUMBIA, S.C. 29223

DATE TYPED: 03/09/92

IEA SAMPLE NO: 92-0663

DATE SAMPLED: 02/19/92

CLIENT SAMPLE NO: MW-3

DATE RECEIVED: 02/21/92

CLIENT PROJECT NO: 9-1343 HANDY PANTRY

DATE EXTRACTED: 02/24/92

REPORT OF ANALYSIS

PARAMETERS	MW-3	UNITS	METHOD	DATE OF ANALYSIS	ANLST
BOD-5	74	mg/l	EPA 5210B	02/21/92	MAB
pH	7.00	units	EPA 150.1	02/24/92	MAB
Total Lead	0.26	mg/l	EPA 239.2	02/26/92	WD

The above analyeis was performed in accordance with E.P.A., A.S.T.M. Standard Methods or other approved methods.
Laboratory I.D.-DHRS #86111, E-86106.

Respectfully submitted,

Kerry Prescott

Kerry Prescott
Director of Operations, Florida

KP:lm

SPATCO environmental

400 ARBOR LAKE DRIVE
SUITE A-600
COLUMBIA, S.C. 29223
ATTN: Kim Caulk
803-735-8595
803-735-8663 (FAX)

Chain of Custody Record

send results and invoices and return coolers, ice packs and completed chain of custody records to:

PROJECT: Handy Pantry	LABORATORY UTILIZED: IEA- Florida
SITE OF SAMPLE COLLECTION: Handy Pantry	
COLLECTED BY (signature): [signature]	SHIPPED VIA: Fed X
CONTAINERS SEALED BY (signature): [signature]	CONTAINERS OBTAINED FROM: IEA
COOLER SEALED BY (signature): [signature]	PRESERVATIVE USED:
	STORAGE TEMPERATURE ☐ AMBIENT ☑ 4°C ☐ OTHER
WORK ORDER #: 9-1343	
PURCHASE ORDER #:	

ANALYSES

FIELD SAMPLE I.D.	SAMPLE MATRIX	DATE/TIME	NO. OF CONTAINERS	624	625	BOD5	pH	Total Lead				REMARKS
MW-3	Water	2/19/92-4:30PM	8	✓	✓	✓	✓	✓				

SPECIAL INSTRUCTIONS TO LABORATORY OR REMARKS

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME	RELINQUISHED BY:	DATE	TIME
K. T. Caulk	2/20/92	5:30PM	Fed X	2/20/92				

LAB USE ONLY

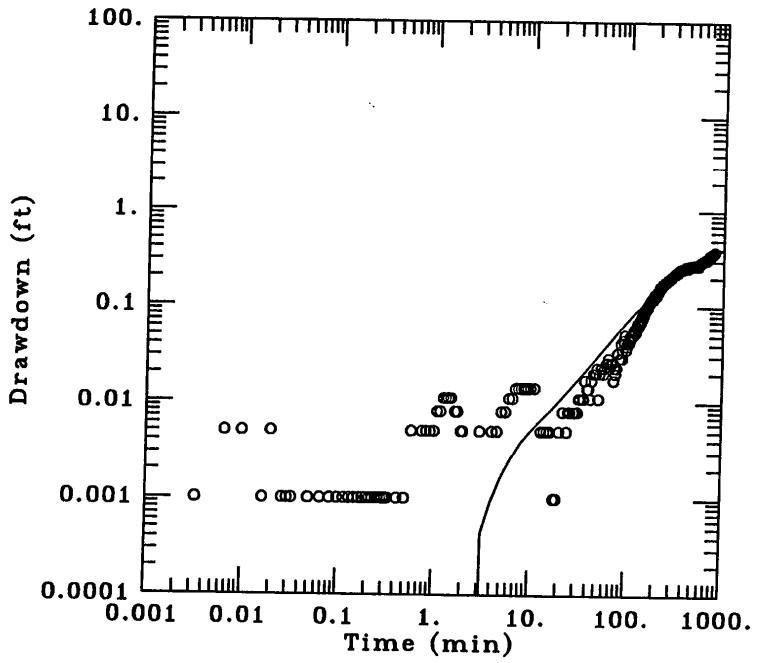
RECEIVED FOR LABORATORY BY:	DATE	TIME	AIRBILL NO.	OPENED BY:	DATE	TIME	TEMP°C	SEAL
W. K[illegible]	2/21/92	10:00	1786625621	W. K[illegible]	2/21/92	10:00	4°C	

REMARKS

IEA Fl. Lab # 92-0663

SPATCO Environmental	Client: **Handy Pantry**
Project No.: **9-2798**	Location: **Taylor St, Columbia S.C.**

Handy Pantry, Pumping Test Data, MW-3



DATA SET:
hptntmw3.dat
10/10/93

AQUIFER TYPE:
Unconfined
SOLUTION METHOD:
Neuman
TEST DATE:
8/26/93

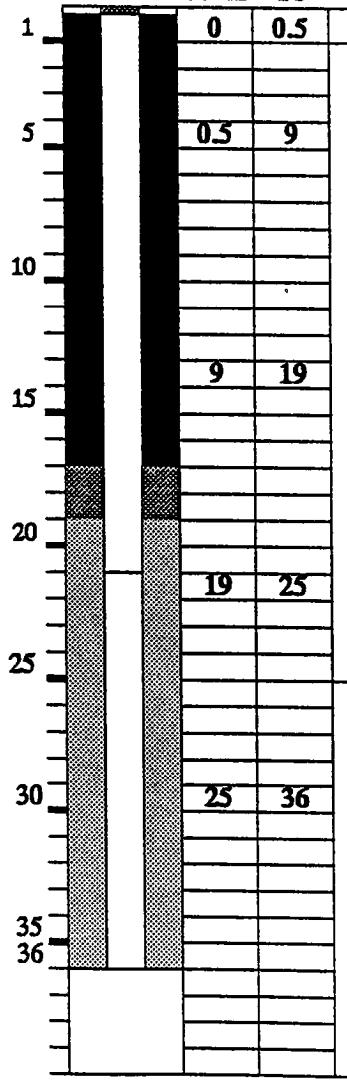
ESTIMATED PARAMETERS:
T = 0.02748 ft^2/min
S = 0.002152
Sy = 0.01269
β = 6.

TEST DATA:
Q = 0.06684 ft^3/min
r = 24. ft
b = 17.38 ft

Lithologic/Well Construction Log

Boring/Well #	MW–1	Project/No	Handy Pantry 9–1343	Location:	Columbia S.C.
Borehole Total Depth:	36'	Drilled by:		Drilling Started:	1/31/92
		Logged by:	Bramley Stafford	Drilling Completed:	1/31/92
Borehole Diameter:	8.5"	Drilling Method:	Hollow Stem Auger	Sampling Method:	Split Spoon

Casing Type:	PVC	Diameter:	2"	Depth:	0	to	21
Screen Type:	Factory Slotted	Opening:	10 Slot	Depth:	21	to	36
Grout:	Neat Cement	Additives:	5% Bentonite	Depth:	0	to	17
Seal:	Bentonite	Type:	Pellets	Depth:	17	to	19
Filter Pack:	Sand	Type:	FX–80	Depth:	19	to	36

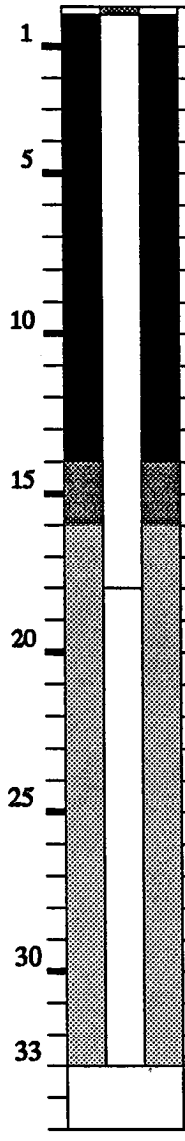


(Feet bls) From	To	LITHOLOGIC DESCRIPTION	Blow Count	Net OVA (ppm)
0	0.5	Asphalt / Gravel / Fill.		
0.5	9	Orange/brown clayey (25%) Silty (10%) Medium to fine Grained Sand.	3,2,2	0
			13,16,19	0
9	19	Orange, red clayey (35%) silty (10%) Medium to fine grained Sand.	16,16,22	
			15,22,26	45
19	25	Orange, red clayey (10–15%) Medium to fine grained Sand.		
			17,11,12	300
25	36	Red, gray Clay.		200
				200

Lithologic/Well Construction Log

Boring/Well #	MW-2	Project/No	Handy Pantry 9-1343	Location:	Columbia S.C.
Borehole Total Depth:	33'	Drilled by:	SPATCO ESD	Drilling Started:	2/3/92
		Logged by:	Kim Caulk	Drilling Completed:	2/3/92
Borehole Diameter:	8.5"	Drilling Method:	Hollow Stem Auger	Sampling Method:	Split Spoon

Casing Type:	PVC	Diameter:	2"	Depth:	0	to	18
Screen Type:	Factory Slotted	Opening:	10 Slot	Depth:	18	to	33
Grout:	Neat Cement	Additives:	5% Bentonite	Depth:	0	to	14
Seal:	Bentonite	Type:	Pellets	Depth:	14	to	16
Filter Pack:	Sand	Type:	FX-80	Depth:	16	to	33

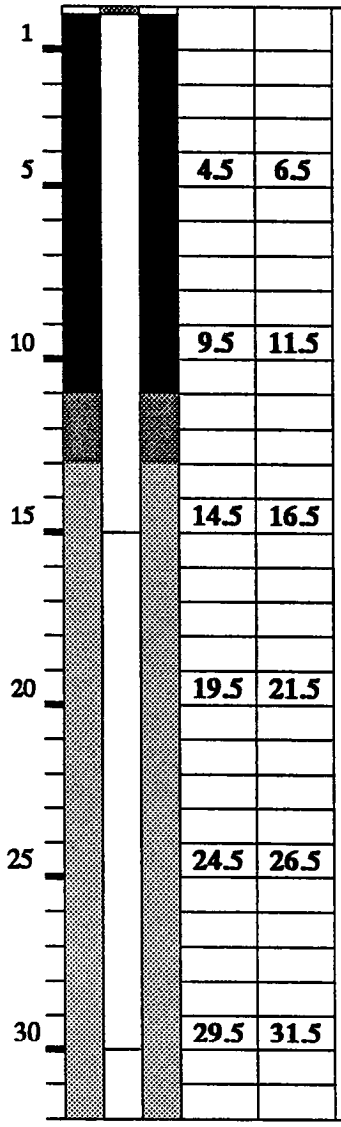


(Feet bls) From	To	LITHOLOGIC DESCRIPTION	Blow Count	Net OVA (ppm)
4.5	6.5	Orange, red moist clayey silty very fine Sand.	3,4,7	<10
9.5	11.5	Orange to red relatively dry clayey silty Fine grained Sand with some Kaolin.	16,26,32	<10
14.5	16.5	Orange to red relatively dry clayey silty Fine grained Sand with some Kaolin. 1" Sand in bottom of Spoon.	17,17,18	<10
19.5	21.5	Light Orange dry fine to medium grained Sand.	12,19,17	250
24.5	26.5	Gray, moist, clayey fine to very fine Sand. Some Kaolin lenses.	11,6,9	310
29.5	33	Gray, moist very fine sandy Clay.		150

Lithologic/Well Construction Log

Boring/Well #	MW–3	Project/No	Handy Pantry 9–1343	Location:	Columbia S.C.
Borehole Total Depth:	30'	Drilled by:	SPATCO ESD	Drilling Started:	2/3/92
		Logged by:	Kim Caulk	Drilling Completed:	2/3/92
Borehole Diameter:	8.5"	Drilling Method:	Hollow Stem Auger	Sampling Method:	Split Spoon

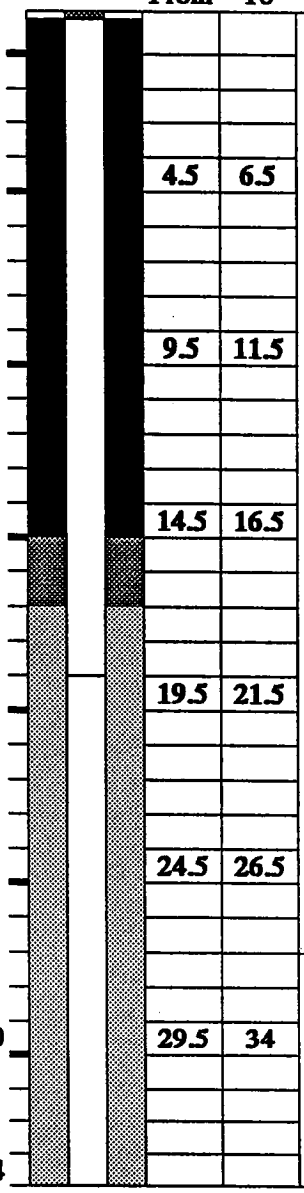
Casing Type:	PVC	Diameter:	2"	Depth:	0	to	15
Screen Type:	Factory Slotted	Opening:	10 Slot	Depth:	15	to	30
Grout:	Neat Cement	Additives:	5% Bentonite	Depth:	0	to	11
Seal:	Bentonite	Type:	Pellets	Depth:	11	to	13
Filter Pack:	Sand	Type:	FX–80	Depth:	13	to	30



(Feet bls) From	To	LITHOLOGIC DESCRIPTION	Blow Count	Net OVA (ppm)
4.5	6.5	Orange to red Moist clayey silty very fine grained Sand.	3,4,10	<10
9.5	11.5	Orange to red Moist clayey silty very fine grained Sand.	11,16,18	<10
14.5	16.5	Orange to red, relatively dry, silty fine to medium grained Sand.	13,16,16	<10
19.5	21.5	Orange to red, relatively dry, silty fine to medium grained Sand.	17,26,33	105
24.5	26.5	Orange to tan very moist clayey fine to medium grained Sand. Some Kaolin. Strong Petroleum odor.	8,14,16	>1K
29.5	31.5	Orange to tan very moist clayey fine to medium grained Sand. Some Kaolin. Strong Petroleum odor.		

Lithologic/Well Construction Log

Boring/Well #	MW-4	Project/No	Handy Pantry 9-1343	Location:	Columbia S.C.
Borehole Total Depth:	34'	Drilled by:	SPATCO ESD	Drilling Started:	2/3/92
		Logged by:	Kim Caulk	Drilling Completed:	2/3/92
Borehole Diameter:	8.5"	Drilling Method:	Hollow Stem Auger	Sampling Method:	Split Spoon
Casing Type:	PVC	Diameter:	2"	Depth:	0 to 19
Screen Type:	Factory Slotted	Opening:	10 Slot	Depth:	19 to 34
Grout:	Neat Cement	Additives:	5% Bentonite	Depth:	0 to 15
Seal:	Bentonite	Type:	Pellets	Depth:	15 to 17
Filter Pack:	Sand	Type:	FX-80	Depth:	17 to 34



(Feet bls) From	To	LITHOLOGIC DESCRIPTION	Blow Count	Net OVA (ppm)
4.5	6.5	Orange to red moist, silty, very fine sandy Clay.	3,4,4	<10
9.5	11.5	Orange to red moist, silty, very fine sandy Clay.	8,9,13	g
14.5	16.5	Orange, moist, clayey silty very fine to medium grained Sand.	8,9,11	<10
19.5	21.5	Light orange to tan moist, silty fine to medium grained Sand.	14,17,21	46
24.5	26.5	Tan to gray moist clayey fine to medium grained Sand. Some Kaolin. Strong Petroleum odor.		>1K
29.5	34	Grey, moist, very fine grained sandy (Kaolin) Clay.	7,9,11	180

Handy Pantry, Taylor St.
Cola, SC

Slug Test MW-1 19-February-1992

SE1000C
Environmental Logger
02/21 14:22

Unit# 01645 Test 1

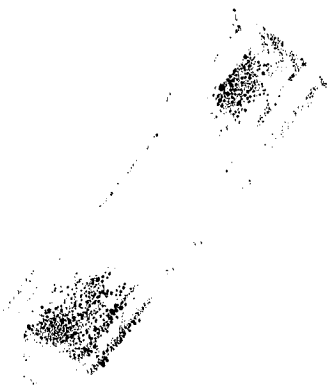
Setups:	INPUT 1
Type	Level (F)
Mode	TOC
I.D.	00000
Reference	22.010
Linearity	0.050
Scale factor	9.900
Offset	0.040
Delay mSEC	50.000

A:\Handy.1
A:\Handy.2

Step 0 02/19 16:19:25

Elapsed Time	INPUT 1	Drawdo
0	22.028	-0.042
0.0033	22.057	-0.013
0.0066	22.747	0.677
0.01	25.767	3.697
0.0133	27.698	5.628
0.0166	28.674	6.604
0.02	28.59	6.52
0.0233	27.411	5.341
0.0266	26.6	4.53
0.03	24.89	2.82
0.0333	21.453	
0.05	24.562	2.492
0.0666	25.393	3.323
0.0833	24.89	2.82
0.1	24.262	2.192
0.1166	24.078	2.008
0.1333	24.194	2.124
0.15	24.297	2.227
0.1666	24.29	2.22
0.1833	24.216	2.146
0.2	24.15	2.08

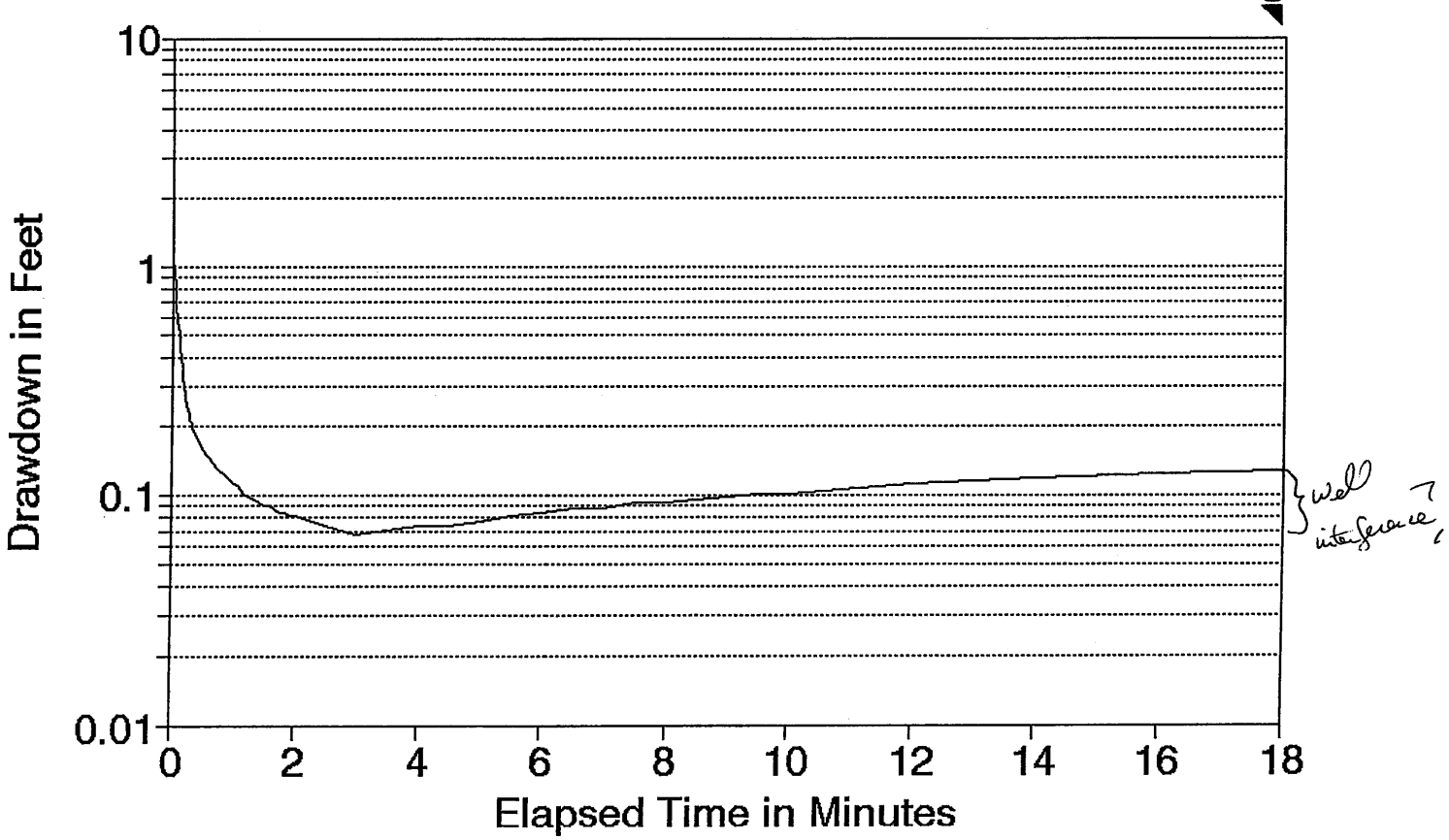
0.2166	24.128	2.058
0.2333	24.103	2.033
0.25	24.072	2.002
0.2666	24.034	1.964
0.2833	24.062	1.992
0.3	24.013	1.943
0.3166	24.022	1.952
0.3333	24.003	1.933
0.4166	23.838	1.768
0.5	23.66	1.59
0.5833	23.541	1.471
0.6666	23.432	1.362
0.75	23.335	1.265
0.8333	23.244	1.174
0.9166	23.169	1.099
1	23.1	1.03
1.0833	23.041	0.971
1.1666	22.994	0.924
1.25	22.953	0.883
1.3333	22.916	0.846
1.4166	22.888	0.818
1.5	22.863	0.793
1.5833	22.835	0.765
1.6666	22.816	0.746
1.75	22.797	0.727
1.8333	22.778	0.708
1.9166	22.763	0.693
2	22.747	0.677
2.5	22.679	0.609
3	22.635	0.565
3.5	22.603	0.533
4	22.575	0.505
4.5	22.554	0.484
5	22.535	0.465
5.5	22.519	0.449
6	22.503	0.433
6.5	22.488	0.418
7	22.478	0.408
7.5	22.466	0.396
8	22.457	0.387
8.5	22.444	0.374
9	22.435	0.365
9.5	22.425	0.355
10	22.416	0.346
12	22.385	0.315
14	22.36	0.29
16	22.338	0.268
18	22.319	0.249
20	22.303	0.233
22	22.291	0.221



Handy Pantry, Cola, SC

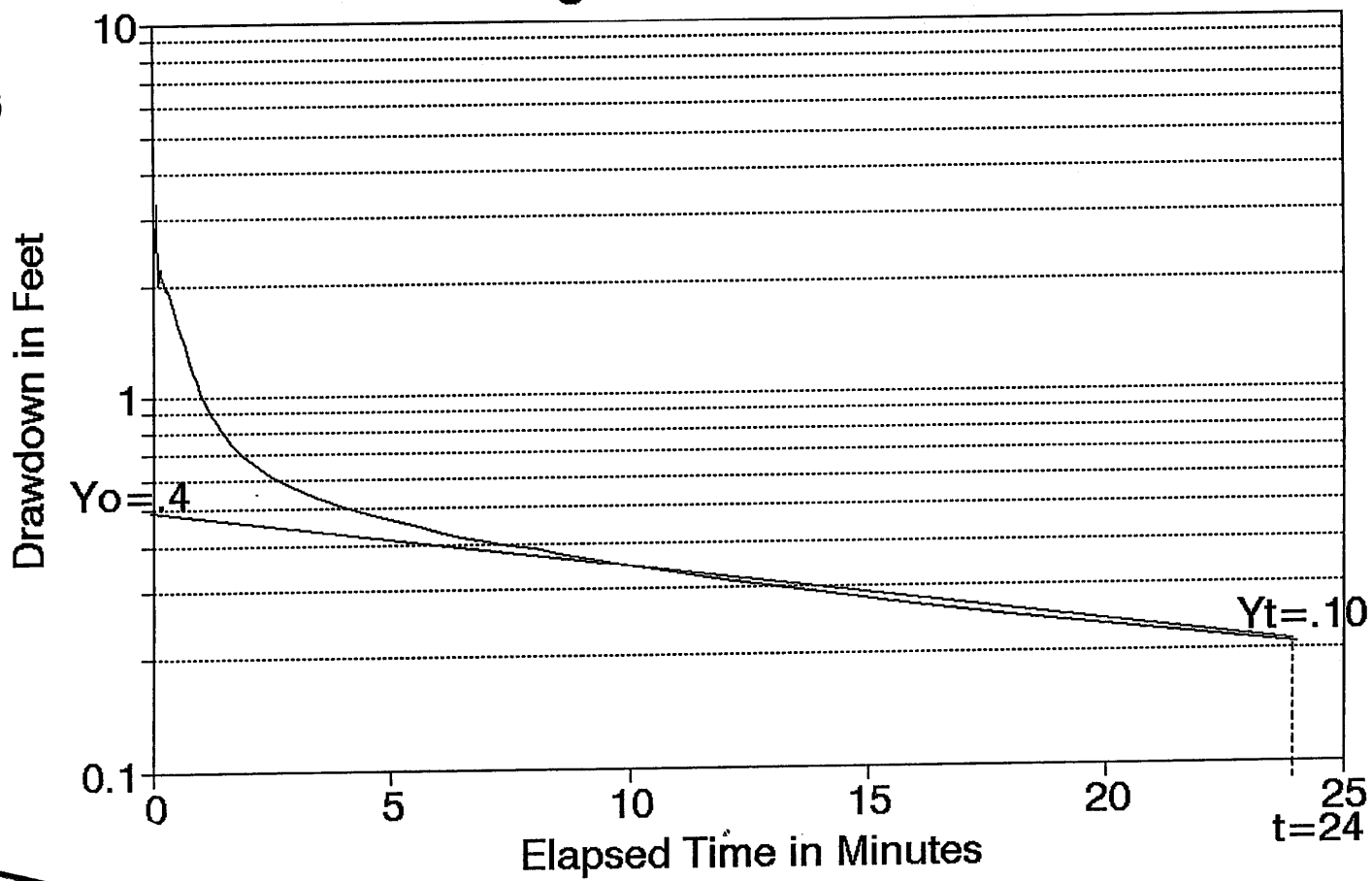
MW-3 Slug Test 19-February-1992

SPATCO



Handy Pantry, Cola, SC

MW-1 Slug Test 19-February-1992



an environmental [illegible] company
6546 Pembroke Road
Miramar, Florida 33023
Broward: (305) 989-0928 Dade: (305) 620-4440
FAX (305) 985-9748

To: Marchell
Handy Pantry - Two Notch & Taylor
Columbia, SC
(SCDHEC ID # 07584)

CLIENT: SPATCO ENVIRONMENTAL
400 ARBOR LAKE DRIVE
SUITE A-600
COLUMBIA, S.C. 29223

DATE TYPED: 02/17/92

IEA SAMPLE NO: 92-0532

DATE SAMPLED: 02/07/92

CLIENT SAMPLE NO: MW-1 & MW-2

DATE RECEIVED: 02/10/92

CLIENT PROJECT NO: 9-1343 HANDY PANTRY

DATE EXTRACTED: N/A

REPORT OF ANALYSIS

PARAMETERS	MW-1	MW-2	UNITS	METHOD	LIMIT OF DETECTION
Benzene	300	2600	ug/l	EPA 602	100
Toluene	2100	2800	ug/l	EPA 602	100
Ethylbenzene	450	1100	ug/l	EPA 602	100
Xylene	2800	7500	ug/l	EPA 602	100

The above analysis was performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods. Date of analysis 02/14/92. Analyzed by GV. Laboratory I.D.-DHRS #86111, E-86106.

Respectfully submitted,

Kerry Prescott
Director of Operations, Florida

KP/lm

UST PROGRAM DOCKETING # [illegible] #209 Tech

an environmental testing company
6546 Pembroke Road
Miramar, Florida 33023
Broward: (305) 989-0928 Dade: (305) 620-4440
FAX (305) 985-9748

CLIENT: SPATCO ENVIRONMENTAL
400 ARBOR LAKE DRIVE
SUITE A-600
COLUMBIA, S.C. 29223

DATE TYPED: 02/17/92

IEA SAMPLE NO: 92-0532

DATE SAMPLED: 02/07/92

CLIENT SAMPLE NO: MW-3 & MW-4

DATE RECEIVED: 02/10/92

CLIENT PROJECT NO: 9-1343 HANDY PANTRY

DATE EXTRACTED: N/A

REPORT OF ANALYSIS

PARAMETERS	MW-3	MW-4	UNITS	METHOD	LIMIT OF DETECTION
Benzene	8900	860	ug/l	EPA 602	100
Toluene	19,000	4500	ug/l	EPA 602	100
Ethylbenzene	1300	1600	ug/l	EPA 602	100
Xylene	14,000	14,000	ug/l	EPA 602	100

The above analysis was performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods. Date of analysis 02/14/92. Analyzed by GV. Laboratory I.D.-DHRS #86111, E-86106.

Respectfully submitted,

Kerry Prescott
Director of Operations, Florida

KP/lm

an environmental testing company
FLORIDA

CHAIN OF CUSTODY RECORD

REGULATORY CLASSIFICATION - PLEASE SPECIFY

☐ NPDES ☐ DRINKING WATER ☐ RCRA ☐ OTHER _____

№ 2958

PROJECT #	PROJECT NAME
9-1343	Handy Pantry

SAMPLERS: *(SIGNATURE)*
Jesse Lee Keffe Jr.

SAMPLE I.D.	DATE	TIME	COMP	GRAB	STATION LOCATION	# OF CONTAINERS	MATRIX SOIL	MATRIX WATER	REQUESTED PARAMETERS: BTEX
MW-1	2/7/92	10:35		✓		3		✓	✓
MW-2	2/7/92	10:35		✓		3		✓	✓
MW-3	2/7/92	11:15		✓		3		✓	✓
MW-4	2/7/92	11:15		✓		3		✓	✓

RELINQUISHED BY *(SIGNATURE)*	DATE	TIME	RECEIVED BY	DATE	TIME
Jesse Lee Keffe Jr.	2/7/92	14:30			
RELINQUISHED BY *(SIGNATURE)*	**DATE**	**TIME**	**RECEIVED FOR LAB BY**	**DATE**	**TIME**

IEA QUOTE NO.	IEA RUSH NO.
PROJECT MANAGER (PLEASE PRINT)	**P.O. NO.**

IEA REMARKS

FIELD REMARKS

South Carolina
DHEC
Department of Health and Environmental Control
2600 Bull Street, Columbia, SC 29201

Commissioner: Michael D. Jarrett

Board: William E. Applegate, III, Chairman
John H. Burriss, Vice Chairman
Richard E. Jabbour, DDS, Secretary
Toney Graham, Jr., MD
Sandra J. Molander
John B. Pate, MD
Robert J. Stripling, Jr.

Promoting Health, Protecting the Environment

January 20, 1992

Mr. Kim Caulk
SPATCO Environmental
400 Arbor Lake Drive, Suite A-600
Columbia, SC 29223

Re: Handy Pantry
GWPD SITE ID: #07584
submittal of Assessment Plan dated August 16, 1991
submittal of Cost Proposal dated August 16, 1991
Richland County

Dear Mr. Caulk:

The Ground-Water Protection Division (GWPD) of the South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed the above referenced submittals. The January 29, 1991 request to be evaluated for State Underground Petroleum Environmental Response Bank (SUPERB) monies has been reviewed and approved. The referenced Cost Proposal (CP) for Assessment Plan (AP) Implementation has been reviewed and approved as follows:

- This office does not pay for any cost associated with Health and Safety plans or preparations. Proposed costs associated with Health and Safety plans under project manager (**1 hr x $80.00**), senior review (**.5 hr x $91.00**), and clerical work (**.5 hr x $29.00**) have been eliminated.

- The units under **drill crew personnel** have been adjusted to **days** not **hours**. The number of wells indicated within this category is not in accordance with the number of wells proposed in the assessment plan. The number of wells has been reduced from 6 wells to 4. The drilling of a deep well has been eliminated. It was not proposed within the assessment plan.

- The number of hours allotted for well development under the **technician** personnel Category is excessive and has been reduced from 14 hours to 12 hours.

- The total number of hours for senior review has been reduced from 6 hours to **3 hours**.

- Costs proposed under **Small Volume Disposal** cannot be approved until clarification under **rate** is received by this office. It is not clear whether the rate is fixed or priced per gallon.

UST PROGRAM
DOCKETING #: 203 Tech

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- The Handling cost (**$10.00**) under Shipping has been adjusted to the maximum 15% mark up (**$9.75**).

- Total Drilling costs (**$6129.50**) has been adjusted due to mathematical error to **$6129.00**.

- The Handling cost (**$181.50**) under Analysis has been removed. The SCDHEC does not allow mark-up for analytical costs proposed at the maximum rate.

- The rate per bailers (**$12.00**) has been adjusted to **$10.00**. The rate exceed the maximum rate established by the SCDHEC.

- The costs proposed per roll of plastic (**$325/roll**) far exceeds the average costs seen by this office. This office does not approve this cost and will pay via direct contractor payment upon submittal of the receipt.

- The cost proposed (**$100/day**) for the Lap Top Computer is not approved by this office. This department does not pay for computer time.

- The cost of **$150.00** for Cost Proposal Preparation has been deducted from this proposal. This cost is allotted for the expenses incurred in filling out of **SCDHEC** forms.

This office believes that the submittal of the Cost Proposal for Correction Action Plan Preparation is premature and can not be reviewed at this time. This cost proposal may be submitted in accordance with the assessment report.

All soil cuttings encountered with elevated organic vapor concentrations must be placed on a plastic liner and covered with a plastic liner whether or not the "weather conditions warrant" it. Soil piles should be removed and treated by the most efficient and cost-effective treatment method approved by SCDHEC.

The referenced Cost Proposal has been approved for **$15122.50**. A Cost Proposal number (CP# 31) has been assigned to the above referenced work. Please reference this number for all billing matters related to the referenced work. When submitting Invoices for the referenced Cost Proposal, please include all applicable supporting documentation (i.e. receipts for polyethylene plastic, pressure transducer, data logger).

If you have any questions, please call me at (803) 734-4662.

Sincerely,

Marchell Zoglman

Marchell Zoglman, Hydrogeologist
UST State Corrective Action Section
Ground-Water Protection Division
Bureau of Drinking Water Protection

mz\07584.cp\PCAS8027

Enclosure - MWAF

cc: Mark Roberts, Acme Petroleum and Fuel Company, Inc.
Paul Bristol, Central Midlands District EQC
Robertha Dorsey, GWPD

RECEIVED
JAN 16 1992
Groundwater Protection
Division

January 13, 1991

Ms. Marchell Zoglman
Ground-Water Protection Division
S.C. Department of Health & Environmental Control
2600 Bull Street
Columbia, South Carolina

Re: Handy Pantry (SCDHEC ID# 07584)
Richland County

Dear Ms. Zoglman:

As requested in your January 3, 1991 letter, please note that no environmental liability insurance policy exists for the above referenced facility. In addition, please note that SPATCO Environmental intends to use direct billing to pay for all future assessment/remedial costs at the site.

If you have any questions or need any additional information please call.

Sincerely,

Mark Roberts
Acme Petroleum, Inc.

RECEIVED
JAN 15 19

UST PROGRAM
DOCKETING # 204 Tech

South Carolina
DHEC
Department of Health and Environmental Control
2600 Bull Street, Columbia, SC 29201

Commissioner: Michael D. Jarrett

Board: William E. Applegate, III, Chairman
John H. Burriss, Vice Chairman
Richard E. Jabbour, DDS, Secretary
Toney Graham, Jr., MD
Sandra J. Molander
John B. Pate, MD
Robert J. Stripling, Jr.

Promoting Health, Protecting the Environment

January 3, 1992

Mr. Mark Roberts
Acme Petroleum and Fuel Company, Inc.
P.O. Box 2359
Gastonia, NC 28053

Re: Handy Pantry
GWPD SITE ID: #07584
SUPERB Approval
Richland County

Dear Mr. Roberts:

The January 29, 1991 request to be evaluated for State Underground Petroleum Environmental Response Bank (SUPERB) monies has been reviewed. None of the exclusions listed in 44-2-110 and -130 exist and the Department has determined that site rehabilitation is necessary. The release, associated with the underground storage tanks (USTs) at the **Handy Pantry** located at the corner of Taylor Street and Two Notch Road, which was reported January 29, 1991 is entitled to **SUPERB** monies. The referenced site has been approved for **SUPERB** under the twenty five thousand (**$25,000**) deductible period. **SUPERB** monies may be utilized for all necessary, reasonable, and eligible costs which are associated with site assessment and rehabilitation, as none of the exclusions listed under Sections 44-2-110 and 44-2-130 of the **SUPERB** apply. However, before any SUPERB monies can be expended, this office requires a copy of any insurance policy held for underground storage tank leaks or written confirmation that no policy exists. SPATCO's cost proposal #31 for assessment plan implementation has been reviewed and approved but SUPERB funds can not be expended on this site until written verification concerning insurance is received in this office.

As indicated above, the referenced site has been approved for **SUPERB** funds under the twenty five thousand (**$25,000**) deductible period. This deductible period was established as a part of the original **SUPERB** Act. However, due to recent changes in the **SUPERB** Act, as of July 1, 1991, all sites which were approved for **SUPERB** under the deductible period, but had not reached the required deductible amount, would be eligible for **SUPERB** monies for work performed after July 1, 1991, regardless if the deductible amount had been met. Therefore, all costs relating to work performed after July 1, 1991 and for the remainder of the project, and associated with assessment and remediation at the referenced site may be reimbursable.

For those costs incurred prior to July 1, 1991, reimbursement of reasonable and appropriate costs will only apply to those costs which have exceeded the **$25,000** deductible. This office will

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DOCKETING # 205 Tech

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review all costs before payment is made. Therefore, unless the total amount on the invoices have clearly exceeded the deductible, the invoices should not be submitted to this office.

Monies spent can be reimbursed from the **SUPERB** fund, or if approved by this office, direct billing can be established. For Reimbursement, Cost Proposals, or Direct Contractor Payment, the information contained in the enclosed **SUPERB** Guidance will expand on all requirements and stipulations.

If you have any questions, please call me at (803) 734-4662.

Sincerely,

Marchell Zoglman

Marchell Zoglman, Hydrogeologist
UST State Corrective Action Section
Ground-Water Protection Division
Bureau of Drinking Water Protection

mz\07584.int
PCAS8027

Enclosure - SUPERB Guidance

cc: Kim Caulk, SPATCO Environmental
Paul Bristol, Central Midlands District EQC
Robertha Dorsey, GWPD

Palmetto Environmental Group, Inc.

RECEIVED

SEP 18 2006

UNDERGROUND STORAGE
TANK PROGRAM

September 15, 2006

Susan Block
Corrective Action Section
Underground Storage Tank Program
SCDHEC
2600 Bull St.
Columbia, SC 29201

RE: Corrective Action Plan, Cloud's Chevron/Handy Pantry #65, UST Permits #07777/12352, Columbia, SC
07584

Dear Ms. Block:

Enclosed is a drawing depicting proposed locations of LPH recovery wells. As always, these may be adjusted if information derived in the field indicates the need to change the location or number of wells.

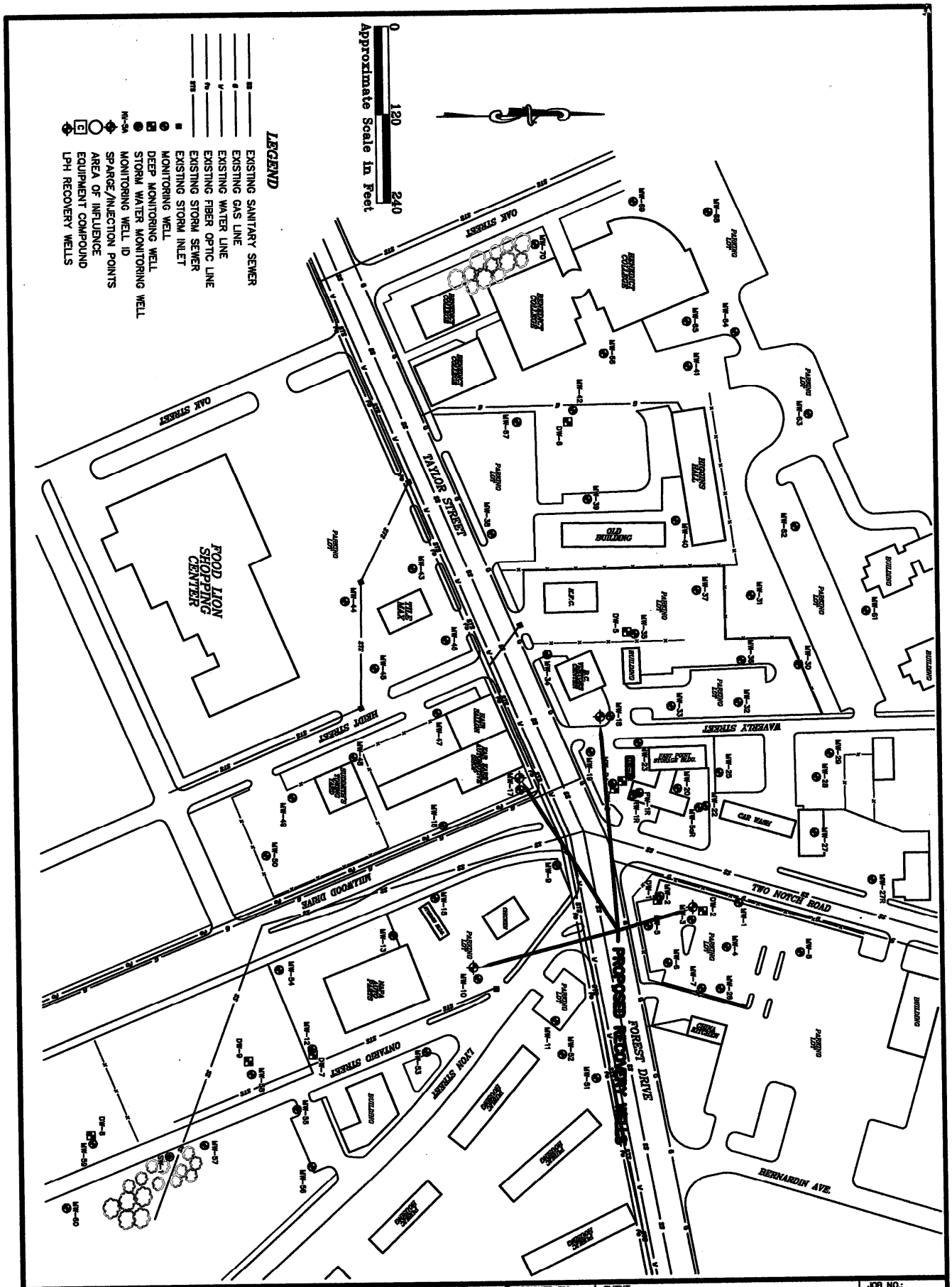
Please call if there are questions or you require additional information.

Sincerely,

James L. Cooper
Project Manager

UST PROGRAM
DOCKETING # 206-Tech

P. O. Box 427, Elgin, SC 29045
(803) 438-1331 Voice/Fax
E-Mail Slotsky@BellSouth.Net



PALMETTO ENVIRONMENTAL GROUP INC.

2193 Hwy 1 South
Elgin, SC 29045

ph: 803-438-1331
FAX: 803-438-1331

DESIGNED BY: JLC	CLIENT: SOUTH CAROLINA DEPT. OF HEALTH & ENVIRONMENTAL CONTROL	JOB NO.: 318
DRAWN BY: RDD	TITLE: PROPOSED RECOVERY WELLS	FILE NAME: CLOUD'S
CHECKED BY: DLC	CLOUDS CHEVRON	SCALE: 1"=120'
DATE ISSUED: 9/15/2006	SCDHEC UST PERMIT #07584 & #07777/12352 COLUMBIA, S.C.	SHEET NO.: OF

Palmetto Environmental Group, Inc.

RECEIVED
SEP 07 2006
UNDERGROUND STORAGE TANK PROGRAM

September 5, 2006

Susan Block
Corrective Action Section
Underground Storage Tank Program
SCDHEC
2600 Bull St.
Columbia, SC 29201

RE: Corrective Action Plan, Cloud's Chevron/Handy Pantry #65, UST Permits #07777/12352, Columbia, SC
+07584

Dear Ms. Block:

Enclosed is the above referenced report.

Please call if there are questions or you require additional information.

Sincerely,

James L. Cooper
Project Manager

UST PROGRAM DOCKETING # 207Tech

P. O. Box 427, Elgin, SC 29045
(803) 438-1331 Voice/Fax
E-Mail Slotsky@BellSouth.Net

Clouds Chevron CoC Mass Reduction Calculations 6/29/2006																		
Well		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE	Initial>SSTL	Subsequent>SSTL
MW-2	Initial 11/16/2005	5900	11000	1800	12000	3200	570	39	130	130	630	2600	2800	630	630	250		
	SSTL	-77	-11000	-1800	-12000	-1256	-91	-6.5	-130	-130	-630	-2600	-1900	-630	-630	-250		
	Initial>SSTL	5823	0	0	0	1944	479	32.5	0	0	0	0	900	0	0	0	9178.5	
6/29/2006	Subsequent	12000	22000	2100	13800	1700	460	94	20	50	20	40	1700	40	20	210		
	Subsequent>SSTL	11923	11000	300	1800	444	369	87.5	0	0	0	0	0	0	0	0		25923.5
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-3	Initial 11/16/2005	16000	27000	3500	19000	37000	1500	230	250	540	1300	5000	12000	1300	1300	1100		
	SSTL	-111	-27000	-3500	-19000	-1976	-108	-12	-250	-540	-1300	-5000	-2499	-1300	-1300	-1100		
	Initial>SSTL	14889	0	0	0	35024	1392	218	0	0	0	0	9501	0	0	0	61024	
6/29/2006	Subsequent	16000	27000	3500	19000	1500	37000	230	250	540	1300	5000	12000	1300	1300	1100		
	Subsequent>SSTL	14889	0	0	0	0	36892	218	0	0	0	0	9501	0	0	0		61500
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-5	Initial 11/16/2005	100	3600	2300	8300	100	710	500	500	2500	10000	2500	2500	2500	500	87		
	SSTL	-87	-3600	-2300	-8300	-100	-96	-0.84	-500	-500	-2500	-10000	-2082	-2500	-2500	-500		
	Initial>SSTL	13	0	0	0	0	614	499.16	0	2000	7500	0	418	0	0	0	11044.16	
6/29/2006	Subsequent	670	3600	1	9800	1	510	4	10	1	10	20	580	20	10	1		
	Subsequent>SSTL	583	0	0	1500	0	414	2.76	0	0	0	0	0	0	0	0		2499.76
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-6	Initial 11/16/2005	13	1	1	60	1	5	0.02	5	5	25	100	25	25	25	5		
	SSTL	-13	-1	-1	-60	-1	-5	-0.02	-5	-5	-25	-100	-25	-25	-25	-5		
	Initial>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6/29/2006	Subsequent	970	190	160	525	3700	210	2	100	33	100	200	1000	200	100	87		
	Subsequent>SSTL	957	189	159	465	3699	205	2.38	95	28	75	100	975	175	75	82		7281.38
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-9	Initial 11/16/2005	3100	9800	2100	11000	10	1000	0.15	50	50	250	1000	250	250	250	71		
	SSTL	-35	-7134	-2100	-11000	-10	-68	-0.15	-50	-50	-250	-1000	-250	-250	-250	-71		
	Initial>SSTL	3065	2666	0	0	0	932	0	0	0	0	0	0	0	0	0	6663	
7/11/2006	Subsequent	3100	9800	2100	11000	1000	10	0	50	50	250	1000	250	250	250	71		
	Subsequent>SSTL	3065	2666	0	0	990	0	0	0	0	0	0	0	0	0	0		6721
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-10	Initial 11/16/2005	12000	17000	2700	13000	540	990	0.23	130	230	630	2500	630	630	630	1700		
	SSTL	-24	-17000	-2700	-13000	-294	-53	-0.23	-130	-230	-630	-2500	-630	-630	-630	-1700		
	Initial>SSTL	11976	0	0	0	246	937	0	0	0	0	0	0	0	0	0	13159	
4/19/2005	Subsequent	12000	17000	2700	13000	990	540	0	130	230	630	2500	630	630	630	1700		
	Subsequent>SSTL	11976	0	0	0	696	487	0	0	0	0	0	0	0	0	0		13159
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-11	Initial 11/16/2005	25	230	25	25	25	130	0.02	130	130	630	2500	630	630	630	130		
	SSTL	-25	-230	-25	-25	-25	-70	-0.02	-130	-130	-630	-2500	-630	-630	-630	-130		
	Initial>SSTL	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	60	
7/11/2006	Subsequent	43	35	5	23	1	7	0	10	1	110	20	2500	20	10	1		
	Subsequent>SSTL	18	0	0	0	0	0	0	0	0	0	0	1870	0	0	0		1888
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-12	Initial 11/16/2005	25	230	25	25	25	130	0.02	5	5	25	100	25	25	25	5		
	SSTL	-9	-230	-25	-25	-25	-33	-0.02	-5	-5	-25	-100	-25	-25	-25	-5		
	Initial>SSTL	16	0	0	0	0	97	0	0	0	0	0	0	0	0	0	113	
7/13/2006	Subsequent	1	8	2	11	1	7	0	10	1	10	20	10	20	10	1		
	Subsequent>SSTL	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0		5
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-16	Initial 11/16/2005	210	520	230	720	1	180	0.02	5	5	25	100	25	25	330	5.4		
	SSTL	-16	-520	-230	-720	-1	-45	-0.02	-5	-5	-25	-100	-25	-25	-330	-5.4		
	Initial>SSTL	194	0	0	0	0	145	0	0	0	0	0	0	0	0	0	339	
4/19/2005	Subsequent	210	520	230	720	190	1	0	5	5	25	100	25	25	330	5		
	Subsequent>SSTL	194	0	0	0	189	0	0	0	0	0	0	0	0	0	0		383
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-17	Initial 11/16/2005	3500	28000	3600	20000	200	1800	0.02	1000	1000	5000	20000	5000	5000	5000	1000		
	SSTL	-32	-6631	-3600	-20000	-200	-66	-0.02	-1000	-263	-5000	-20000	-773	-5000	-5000	-1000		
	Initial>SSTL	3468	21369	0	0	0	1734	0	0	737	0	0	4227	0	0	0	31535	
7/11/2006	Subsequent	3500	28000	3600	20000	1800	200	0	1000	1000	5000	20000	5000	5000	5000	1000		
	Subsequent>SSTL	3468	21369	0	0	1600	134	0	0	737	0	0	4227	0	0	0		31535
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-18	Initial 11/16/2005	16000	37000	3200	17000	6400	1300	1.6	1000	1000	5000	20000	5000	5000	5000	2800		
	SSTL	-40	-19326	-3200	-17000	-4260	-348	-1.6	-1000	-1000	-5000	-20000	-938	-5000	-5000	-2800		
	Initial>SSTL	17960	17674	0	0	2140	952	0	0	0	0	0	4062	0	0	0	42788	
4/19/2005	Subsequent	18000	37000	3200	17000	1300	6400	2	1000	1000	5000	20000	5000	5000	5000	2800		
	Subsequent>SSTL	17960	17674	0	0	0	6052	0	0	0	0	0	4062	0	0	0		45748
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-19	Initial 11/16/2005	23000	48000	3600	20000	4200	1300	1.7	1000	1000	5000	20000	5000	5000	5000	2300		
	SSTL	-54	-11081	-3600	-20000	-4200	-86	-1.7	-1000	-320	-5000	-20000	-1065	-5000	-5000	-2300		
	Initial>SSTL	22946	36919	0	0	0	1214	0	0	680	0	0	3935	0	0	0	65694	
7/11/2006	Subsequent	23000	48000	3600	20000	1300	4200	2	1000	1000	5000	20000	5000	5000	5000	2300		
	Subsequent>SSTL	22946	36919	0	0	0	4114	0	0	680	0	0	3935	0	0	0		68594

Revised

		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-20	Initial 11/16/2005	18000	36000	3200	18000	7200	1400	0.02	1000	1000	5000	20000	5000	5000	5000	2800		
	SSTL	-83	-17249	-3200	-18000	-7200	-108	-1000	-381	-5000	-20000	-1403	-5000	-5000	-5000	-2800		
	Initial>SSTL	18917	18751	0	0	0	1292	0	619	0	0	18597	0	0	0	0	58176	
6/29/2006	Subsequent	18000	32000	3500	17600	3000	1400	0	500	530	500	1000	3500	1000	500	2300		
	Subsequent>SSTL	17917	14751	300	0	0	1292	0	119	0	0	0	0	0	0	0		34379
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-22	Initial 11/16/2005	24000	39000	5000	27000	780	4600	0.02	1000	1000	5000	20000	5000	5000	5000	1900		
	SSTL	-90	-18572	-5000	-27000	-780	-112	-0.02	-1000	-392	-5000	-20000	-1469	-5000	-5000	-1900		
	Initial>SSTL	23910	20428	0	0	0	4488	0	0	608	0	0	3531	0	0	0	52965	
6/29/2006	Subsequent	16000	44000	5700	28600	250	2300	0	2500	250	2500	5000	17000	5000	2500	400		
	Subsequent>SSTL	15910	25428	700	1600	0	2188	0	1500	0	0	0	15531	0	0	0		62857
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-23	Initial 11/16/2005	8100	19000	1800	9700	1600	1000	1.3	56	1000	25	100	25	25	5000	1000		
	SSTL	-72	-14880	-1800	-9700	-1600	-100	-1.3	-56	-359	-25	-100	-25	-25	-5000	-1000		
	Initial>SSTL	8028	4120	0	0	0	900	0	0	641	0	0	0	0	0	0	13689	
6/29/2006	Subsequent	2100	5700	410	3800	230	220	0	500	50	500	1000	4600	1000	500	100		
	Subsequent>SSTL	2028	0	0	0	0	120	0	444	0	475	900	4575	975	0	0		9517
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-24	Initial 11/16/2005	1340	1520	98	1730	610	66.5	26.3	1	60	10	100	4890	10	1150	449		
	SSTL	-54	-1520	-98	-1730	-610	-66.5	-8	-1	-60	-10	-100	-1065	-10	-1150	-449		
	Initial>SSTL	1286	0	0	0	0	0	18.3	0	0	0	0	3825	0	0	0	5129.3	
4/19/2005	Subsequent	1340	1520	98	1730	67	610	26.30	1	60	10	100	4890	10	1150.00	449		
	Subsequent>SSTL	1286	0	0	0	0	543.5	18.3	0	0	0	0	3825	0	0	0		5672.8
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-25	Initial 11/16/2005	1600	6200	850	4400	17	260	0.02	5	5	25	100	25	25	25	110		
	SSTL	-104	-6200	-850	-4400	-17	-121	-0.02	-5	-5	-25	-100	-25	-25	-25	-110		
	Initial>SSTL	1496	0	0	0	0	139	0	0	0	0	0	0	0	0	0	1635	
6/29/2006	Subsequent	1400	11000	2300	17400	100	1200	0	1000	100	1000	2000	7900	2000	1000	100		
	Subsequent>SSTL	1296	4800	1450	13000	83	1079	0	995	95	975	1900	7875	1975	975	0		36498
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-31	Initial 11/16/2005	20	53	21	260	1	51	0.02	5	5	25	100	25	25	25	5		
	SSTL	-20	-53	-21	-260	-1	-51	-0.02	-5	-5	-25	-100	-25	-25	-120	-5		
	Initial>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6/29/2006	Subsequent	100	280	2	380	1	2	0	10	1	10	20	1600	20	10	1		
	Subsequent>SSTL	80	227	0	120	0	0	0	5	0	0	0	1575	0	0	0		2007
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-32	Initial 11/16/2005	400	14000	520	18000	5	170	0.088	25	25	130	500	130	130	5000	25		
	SSTL	-71	-14000	-520	-18000	-5	-170	-0.088	-25	-25	-130	-500	-130	-130	-5000	-25		
	Initial>SSTL	329	0	0	0	0	0	0	0	0	0	0	0	0	0	0	329	
6/29/2006	Subsequent	410	850	370	2180	10	160	0	100	10	100	200	4500	200	100	10		
	Subsequent>SSTL	339	0	0	0	5	0	0	75	0	0	0	4370	70	0	0		4859
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-33	Initial 11/16/2005	410	1600	290	1400	50	100	0.02	5	5	25	500	130	25	500	120		
	SSTL	-53	-1600	-290	-1400	-50	-100	-0.02	-5	-5	-25	-500	-130	-25	-500	-120		
	Initial>SSTL	357	0	0	0	0	0	0	0	0	0	0	0	0	0	0	357	
6/29/2006	Subsequent	5500	18000	1900	12400	72	650	0	500	50	500	1000	9100	1000	500	170		
	Subsequent>SSTL	5447	16400	1610	11000	22	550	0	495	45	475	500	8970	975	0	50		46539
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-34	Initial 11/16/2005	260	870	180	1700	10	360	0.16	50	50	250	1000	5300	250	2800	50		
	SSTL	-35	-870	-180	-1700	-10	-301	-0.16	-50	-50	-250	-1000	-870	-250	-2800	-50		
	Initial>SSTL	215	0	0	0	0	59	0	0	0	0	0	4430	0	0	0	4704	
6/29/2006	Subsequent	1900	12000	1500	7200	1	400	0	10	1	10	20	5400	20	10	47		
	Subsequent>SSTL	1865	11130	1320	5500	0	99	0.02	0	0	0	0	4530	0	0	0		24444.02
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-35	Initial 11/16/2005	12000	22000	3200	15000	1300	1200	3.2	5	1000	5000	100	25	25	5000	1300		
	SSTL	-56	-22000	-3200	-15000	-1300	-542	-3.2	-5	-1000	-5000	-100	-25	-25	-5000	-1300		
	Initial>SSTL	11944	0	0	0	0	658	0	0	0	0	0	0	0	0	0	12602	
7/11/2006	Subsequent	12000	22000	3200	15000	1200	1300	3	5	1000	5000	100	25	25	5000	1300		
	Subsequent>SSTL	11944	0	0	0	0	758	0	0	0	0	0	0	0	0	0		12702
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-36	Initial 11/16/2005	140	310	320	1400	1	120	0.02	5	5	25	100	500	25	500	5		
	SSTL	-85	-310	-320	-1400	-1	-120	-0.02	-5	-5	-25	-100	-500	-25	-500	-5		
	Initial>SSTL	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55	
6/29/2006	Subsequent	110	540	730	4300	1	280	0	10	1	10	20	5400	20	10	1		
	Subsequent>SSTL	25	230	410	2900	0	160	0	5	0	0	0	4900	0	0	0		8630
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-37	Initial 11/16/2005	360	360	44	170	160	15	0.097	5	12	25	100	330	25	45	52		
	SSTL	-90	-360	-44	-170	-160	-15	-0.097	-5	-12	-25	-100	-330	-25	-45	-52		
	Initial>SSTL	270	0	0	0	0	0	0	0	0	0	0	0	0	0	0	270	
6/29/2006	Subsequent	410	1900	1300	2550	20	390	0	200	20	200	400	1700	400	200	20		
	Subsequent>SSTL	320	1540	1256	2380	0	375	0	195	8	175	300	1370	375	155	0		8449

		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-39	Initial 11/16/2005	3100	17000	2600	13000	25	830	0.29	130	130	630	2500	630	630	630	130		
	SSTL	-90	-17000	-2600	-13000	-25	-830	-0.29	-130	-130	-630	-2500	-630	-630	-630	-130		
	Initial>SSTL	3010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3010	
7/11/2006	Subsequent	1500	19000	2000	14300	200	1400	0	2000	200	2000	4000	2000	4000	15000	200		
	Subsequent>SSTL	1410	2000	0	1300	175	570	0	1870	70	1370	1500	1370	3370	14370	70		29445
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-40	Initial 11/16/2005	840	740	690	1900	1	500	0.22	5	5	25	100	25	25	1600	25		
	SSTL	-113	-740	-690	-1900	-1	-500	-0.22	-5	-5	-25	-100	-25	-25	-1600	-25		
	Initial>SSTL	727	0	0	0	0	0	0	0	0	0	0	0	0	0	0	727	
7/11/2006	Subsequent	2000	15000	1300	6900	50	630	0	500	50	500	1000	6100	1000	80	50		
	Subsequent>SSTL	1887	14260	610	7000	49	130	0.1	495	45	475	900	6075	975	0	25		32926.1
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-41	Initial 11/16/2005	1	1	1	1	1	5	0.02	5	5	25	100	25	25	25	5		
	SSTL	-1	-1	-1	-1	-1	-5	-0.02	-5	-5	-25	-100	-25	-25	-25	-5		
	Initial>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7/11/2006	Subsequent	110	700	160	860	1	93	0	10	1	10	20	190	20	10	1		
	Subsequent>SSTL	109	699	159	859	0	88	0	5	0	0	0	165	0	0	0		2084
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-42	Initial 11/16/2005	1	1	1	1	1	5.4	0.02	5	5	25	100	25	25	25	5		
	SSTL	-1	-1	-1	-1	-1	-5.4	-0.02	-5	-5	-25	-100	-25	-25	-25	-5		
	Initial>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7/11/2006	Subsequent	3	860	480	2900	1	270	0	10	1	10	20	360	20	10	1		
	Subsequent>SSTL	2.2	859	479	2899	0	264.6	0	5	0	0	0	335	0	0	0		4843.8
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-47	Initial 11/16/2005	1	14	1	1	1	5	2.4	5	5	25	100	25	25	25	5		
	SSTL	-1	-14	-1	-1	-1	-5	-1	-5	-5	-25	-100	-25	-25	-25	-5		
	Initial>SSTL	0	0	0	0	0	0	1.4	0	0	0	0	0	0	0	0	1.4	
7/11/2006	Subsequent	1	3	1	4	1	6	0	10	1	10	20	10	20	10	1		
	Subsequent>SSTL	0	0	0	3.2	0	0.6	0	5	0	0	0	0	0	0	0		8.8
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-54	Initial 11/16/2005	970	2900	460	2200	1500	1100	2.7	50	50	250	1000	650	250	250	50		
	SSTL	-7	-1337	-460	-2200	-83	-29	-2.7	-50	-50	-250	-1000	-187	-250	-250	-50		
	Initial>SSTL	963	1563	0	0	1417	1071	0	0	0	0	0	463	0	0	0	5477	
7/11/2006	Subsequent	650	501	1	12	23	5	0	10	1	10	20	700	20	90	63		
	Subsequent>SSTL	643	0	0	0	0	0	0	0	0	0	0	513	0	0	13		1169
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-55	Initial 11/16/2005	440	1	27	1	410	39	0.11	5	14	130	100	1400	25	82	83		
	SSTL	-11	-1	-27	-1	-103	-36	-0.05	-5	-14	-130	-100	-423	-25	-82	-83		
	Initial>SSTL	429	0	0	0	307	3	0.06	0	0	0	0	977	0	0	0	1716.06	
7/11/2006	Subsequent	130	3	18	4	190	19	0	10	8	10	20	610	20	10	55		
	Subsequent>SSTL	119	2.4	0	3.4	87	0	0	5	0	0	0	187	0	0	0		403.8
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-57	Initial 11/16/2005	12000	12000	2000	8200	2000	1000	3.3	1000	1000	5000	20000	8200	5000	5000	1200		
	SSTL	-6	-1944	-969	-8200	-54	-28	-0.05	-1000	-165	-1908	-20000	-287	-5000	-5000	-290		
	Initial>SSTL	11994	10056	1031	0	1946	972	3.25	0	835	3092	0	7913	0	0	910	38752.25	
7/13/2006	Subsequent	8900	8300	1300	4500	1300	290	0	100	110	100	200	5100	200	100	820		
	Subsequent>SSTL	8894	6356	331	0	1246	262	0	0	0	0	0	4813	0	0	530		22432
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-58	Initial 11/16/2005	5300	110	960	160	630	490	2	87	88	250	1000	3500	250	500	670		
	SSTL	-6	-110	-918	-160	-51	-27	-0.05	-1000	-165	-1908	-20000	-287	-5000	-5000	-290		
	Initial>SSTL	5294	0	42	0	579	463	1.95	0	0	0	0	3213	0	0	380	9972.95	
7/13/2006	Subsequent	5800	87	480	228	490	300	0	100	67	120	200	5200	200	100	490		
	Subsequent>SSTL	5794	0	0	68	439	273	0	0	0	0	0	4913	0	0	200		11687
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-64	Initial 11/16/2005	390	13	51	1	100	56	0.02	5	10	25	100	25	25	170	41		
	SSTL	-345	-13	-51	-1	-100	-56	-0.02	-5	-10	-25	-100	-25	-25	-170	-41		
	Initial>SSTL	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	
7/11/2006	Subsequent	1600	53	330	68	180	170	0	100	28	100	200	2200	200	1100	130		
	Subsequent>SSTL	1255	40	279	67	80	114	0	95	18	75	100	2175	175	930	89		5492
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-65	Initial 11/16/2005	140	31	78	88	6	45	0.02	5	5	25	100	25	25	74	14		
	SSTL	-140	-31	-78	-88	-6	-45	-0.02	-5	-5	-25	-100	-25	-25	-74	-14		
	Initial>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4/19/2005	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Subsequent>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0

		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-6S	Initial 11/16/2005	1	1	1	27	1	8.6	0.02	5	5	25	100	25	25	25	5		
	SSTL	-1	-1	-1	-27	-1	-8.6	-0.02	-5	-5	-25	-100	-25	-25	-25	-5		
	Initial>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7/11/2006	Subsequent	2	8	3	13	1	8	0	10	1	10	20	14	20	10	1		
	Subsequent>SSTL	0.7	6.7	1.5	0	0	0	0	5	0	0	0	0	0	0	0		13.9
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-5aR	Initial 11/16/2005	27000	31000	2500	14000	9900	1000	0.19	1000	2300	5000	20000	54000	5400	13000	4100		
	SSTL	-83	-17249	-2500	-14000	-9900	-108	-0.19	-1000	-381	-5000	-20000	-1403	-5400	-13000	-4100		
	Initial>SSTL	26917	13751	0	0	0	892	0	0	1919	0	0	52597	0	0	0	96076	
6/29/2006	Subsequent	23000	30000	2500	13600	2700	780	0	1000	1200	1000	2000	1000	2000	1000	3200		
	Subsequent>SSTL	22917	12751	0	0	0	672	0	0	819	0	0	0	0	0	0		37159
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
PW-1R	Initial 11/16/2005	8300	6800	1800	8100	290	770	7.6	320	1400	1100	1000	18000	250	3000	2500		
	SSTL	-58	-6800	-1800	-8100	-290	-89	-6	-320	-330	-1100	-1000	-1114	-250	-3000	-2500		
	Initial>SSTL	8242	0	0	0	0	681	1.6	0	1070	0	0	16886	0	0	0	26880.6	
6/29/2006	Subsequent	2500	2700	39	1710	1300	160	0	100	10	1300	200	9500	200	100	360		
	Subsequent>SSTL	2442	0	0	0	1010	71	0	0	0	200	0	8386	0	0	0		12109
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
RW-1R	Initial 11/16/2005	1600	10	230	10	130	14	0.54	5	50	25	100	850	25	250	160		
	SSTL	-54	-10	-230	-10	-130	-14	-0.54	-5	-50	-25	-100	-850	-25	-250	-160		
	Initial>SSTL	1546	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1546	
6/29/2006	Subsequent	16000	25000	1700	10400	2600	710	5	250	25	2000	500	11000	500	510	2000		
	Subsequent>SSTL	15946	24990	1470	10390	2470	696	3.96	245	0	1975	400	10150	475	260	1840		71310.96
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
DW-3	Initial 11/16/2005	350	360	64	220	230	5	0.06	5	17	25	100	850	75	95	5		
	SSTL	-45	-360	-64	-220	-230	-5	-0.06	-5	-17	-25	-100	-850	-75	-95	-5		
	Initial>SSTL	305	0	0	0	0	0	0	0	0	0	0	0	0	0	0	305	
4/19/2005	Subsequent	350	360	64	220	5	230	0	5	17	25	100	850	75	95	5		
	Subsequent>SSTL	305	0	0	0	0	225	0	0	0	0	0	0	0	0	0		530
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
DW-4	Initial 11/16/2005	74	380	102	524	11.5	48	1.46	5	5	50	500	150	50	50	25		
	SSTL	-48	-380	-102	-524	-11.5	-48	-1.46	-5	-5	-50	-500	-150	-50	-50	-25		
	Initial>SSTL	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	
6/29/2006	Subsequent	1	1	1	2	110	6	0	10	1	10	20	520	20	10	57		
	Subsequent>SSTL	0	0	0	0	98.5	0	0	5	0	0	0	370	0	0	32		505.5
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
DW-7	Initial 11/16/2005	40	2	2	2	20	10	0.14	10	10	50	200	300	50	50	16		
	SSTL	-7	-2	-2	-2	-20	-10	-0.14	-10	-10	-50	-200	-300	-50	-50	-16		
	Initial>SSTL	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	
7/13/2006	Subsequent	4	9	3	13	2	6	0	10	1	10	20	20	20	10	2		
	Subsequent>SSTL	0	6.9	0.8	10.8	0	0	0	0	0	0	0	0	0	0	0		18.5
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
DW-9	Initial 11/16/2005	1	5	1	1	1	5	0.02	5	5	25	100	25	25	25	5		
	SSTL	-1	-5	-1	-1	-1	-5	-0.02	-5	-5	-25	-100	-25	-25	-25	-5		
	Initial>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7/13/2006	Subsequent	2	4	2	6	1	6	0	10	1	10	20	10	20	10	1		
	Subsequent>SSTL	0.5	0	0.7	4.9	0	0.7	0	5	0	0	0	0	0	0	0		11.8
Totals	Initial>SSTL																576077.22	
	Subsequent>SSTL																	753941.62

CoC Mass Reduction Calculation

= (Initial>SSTL-Subsequent>SSTL)/(Initial>SSTL)*100%
= -30.88%

Initial Monitoring Report

Site No.: 07584/17777/12352
Cloud's Chevron/Handy Pantry #65
2367 Taylor St.
Columbia, SC

Prepared by:
Dean L. Cooper
Palmetto Environmental Group, Inc.
P. O. Box 427
Elgin, SC 29045
SCDHEC Contractor Certification 260

September 5, 2006

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Event and Activities:

Equipment and personnel were mobilized to the site June 29th and again on July 11th for the purpose of gauging and sampling monitoring wells for groundwater and free product levels. This is the initial monitoring report.

Observations:

Results are summarized in a table attached to this report. Graphic representations of potentiometric conditions are also attached.

Free phase liquid petroleum (LPH) was found in MW-3 (3.58'), MW-9 (.28'), MW-16 (.02'), MW-17 (.04'), MW-19 (.19') & MW-35 (.57'). MW-10, 15, 18, 24, 27, 60, & DW-3 could not be found.

Recommendations/Conclusions:

CoC concentrations approximately 12% lower than previous recorded. Recommend proceeding to the construction phase at this time.

Dean L. Cooper, P. E.

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Clouds Chevron CoC Mass Reduction Calculations 6/29/2006

Well		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE	Initial>SSTL	Subsequent>SSTL
MW-2	Initial 3/19-21;5/17-18/05	6900	11000	1800	12000	3200	570	39	130	130	630	2500	2800	630	630	250		
	SSTL	-77	-11000	-1800	-12000	-1256	-91	-6.5	-130	-130	-630	-2500	-1800	-630	-630	-250		
	Initial>SSTL	6823	0	0	0	1944	479	32.5	0	0	0	0	900	0	0	0	9178.5	
6/29/2006	Subsequent	12000	22000	2100	13800	1700	460	94	20	60	20	40	1700	40	20	210		
	Subsequent>SSTL	11923	11000	300	1800	444	389	67.5	0	0	0	0	0	0	0	0		25923.5
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-3	Initial 3/19-21;5/17-18/05	16000	27000	3500	19000	37000	1500	230	250	540	1300	5000	12000	1300	1300	1100		
	SSTL	-111	-27000	-3500	-19000	-1976	-108	-12	-250	-540	-1300	-5000	-2499	-1300	-1300	-1100		
	Initial>SSTL	14889	0	0	0	35024	1392	218	0	0	0	0	9501	0	0	0	61024	
6/29/2006	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Subsequent>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-5	Initial 3/19-21;5/17-18/05	100	3800	2300	8300	100	710	500	500	2600	10000	2600	2500	2500	500	87		
	SSTL	-87	-3800	-2300	-8300	-100	-98	-0.84	-500	-500	-2500	-10000	-2082	-2500	-2500	-500		
	Initial>SSTL	13	0	0	0	0	614	499.16	0	2000	7600	0	418	0	0	0	11044.16	
6/29/2006	Subsequent	670	3800	1	9800	1	510	4	10	1	10	20	580	20	10	1		
	Subsequent>SSTL	583	0	0	1500	0	414	2.76	0	0	0	0	0	0	0	0		2499.76
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-6	Initial 3/19-21;5/17-18/05	13	1	1	60	1	5	0.02	5	5	25	100	25	25	25	5		
	SSTL	-13	-1	-1	-60	-1	-5	-0.02	-5	-5	-25	-100	-25	-25	-25	-5		
	Initial>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6/29/2006	Subsequent	970	190	160	625	3700	210	2	100	33	100	200	1000	200	100	87		
	Subsequent>SSTL	957	189	159	465	3699	205	2.38	95	28	75	100	975	175	75	82		7261.38
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-9	Initial 3/19-21;5/17-18/05	3100	9800	2100	11000	10	1000	0.15	50	50	250	1000	250	250	250	71		
	SSTL	-38	-7134	-2100	-11000	-10	-68	-0.15	-50	-50	-250	-1000	-250	-250	-250	-71		
	Initial>SSTL	3065	2666	0	0	0	932	0	0	0	0	0	0	0	0	0	6663	
7/11/2006	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Subsequent>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-10	Initial 3/19-21;5/17-18/05	12000	17000	2700	13000	540	990	0.23	130	230	630	2500	630	630	630	1700		
	SSTL	-24	-17000	-2700	-13000	-294	-53	-0.23	-130	-230	-630	-2500	-630	-630	-630	-1700		
	Initial>SSTL	11976	0	0	0	246	937	0	0	0	0	0	0	0	0	0	13159	
1/0/1900	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Subsequent>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-11	Initial 3/19-21;5/17-18/05	25	230	25	25	25	130	0.02	130	130	630	2500	630	630	630	130		
	SSTL	-25	-230	-25	-25	-25	-70	-0.02	-130	-130	-630	-2500	-630	-630	-630	-130		
	Initial>SSTL	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	60	
7/11/2006	Subsequent	43	35	5	23	1	7	0	10	1	110	20	2500	20	10	1		
	Subsequent>SSTL	18	0	0	0	0	0	0	0	0	0	0	1870	0	0	0		1888
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-12	Initial 3/19-21;5/17-18/05	25	230	25	25	25	130	0.02	5	5	25	100	25	25	25	5		
	SSTL	-9	-230	-25	-25	-25	-33	-0.02	-5	-5	-25	-100	-25	-25	-25	-5		
	Initial>SSTL	16	0	0	0	0	97	0	0	0	0	0	0	0	0	0	113	
7/13/2006	Subsequent	1	8	2	11	1	7	0	10	1	10	20	10	20	10	1		
	Subsequent>SSTL	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0		6
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-15	Initial 3/19-21;5/17-18/05	210	620	230	720	1	190	0.02	5	5	25	100	25	25	330	5.4		
	SSTL	-16	-620	-230	-720	-1	-45	-0.02	-5	-5	-25	-100	-25	-25	-330	-5.4		
	Initial>SSTL	194	0	0	0	0	145	0	0	0	0	0	0	0	0	0	339	
1/0/1900	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Subsequent>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-17	Initial 3/19-21;5/17-18/05	3500	28000	3600	20000	200	1800	0.02	1000	1000	5000	20000	5000	5000	5000	1000		
	SSTL	-32	-6631	-3600	-20000	-200	-66	-0.02	-1000	-263	-5000	-20000	-773	-5000	-5000	-1000		
	Initial>SSTL	3468	21369	0	0	0	1734	0	0	737	0	0	4227	0	0	0	31535	
7/11/2006	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Subsequent>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-18	Initial 3/19-21;5/17-18/05	18000	37000	3200	17000	6400	1300	1.6	1000	1000	5000	20000	5000	5000	5000	2800		
	SSTL	-40	-19326	-3200	-17000	-4260	-348	-1.6	-1000	-1000	-5000	-20000	-938	-5000	-5000	-2800		
	Initial>SSTL	17960	17674	0	0	2140	952	0	0	0	0	0	4062	0	0	0	42788	
1/0/1900	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Subsequent>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-19	Initial 3/19-21;5/17-18/05	23000	48000	3600	20000	4200	1300	1.7	1000	1000	5000	20000	5000	5000	5000	2300		
	SSTL	-54	-11081	-3600	-20000	-4200	-86	-1.7	-1000	-320	-5000	-20000	-1065	-5000	-5000	-2300		
	Initial>SSTL	22946	36919	0	0	0	1214	0	0	680	0	0	3935	0	0	0	65694	
7/11/2006	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Subsequent>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0

		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-20	Initial 3/19-21;5/17-18/05	19000	36000	3200	18000	7200	1400	0.02	1000	1000	5000	20000	5000	5000	5000	2800		
	SSTL	-83	-17249	-3200	-18000	-7200	-108	-1000	-381	-5000	-20000	-1403	-5000	-5000	-5000	-2800		
	Initial>SSTL	18917	18751	0	0	0	1292	0	619	0	0	18597	0	0	0	0	58176	
6/29/2006	Subsequent	18000	32000	3500	17600	3000	1400	0	500	630	500	1000	3500	1000	500	2300		
	Subsequent>SSTL	17917	14751	300	0	0	1292	0	119	0	0	0	0	0	0	0		34379
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-22	Initial 3/19-21;5/17-18/05	24000	39000	5000	27000	780	4600	0.02	1000	1000	5000	20000	5000	5000	5000	1900		
	SSTL	-90	-18572	-5000	-27000	-780	-112	-0.02	-1000	-392	-5000	-20000	-1469	-5000	-5000	-1900		
	Initial>SSTL	23910	20428	0	0	0	4488	0	0	608	0	0	3531	0	0	0	52965	
6/29/2006	Subsequent	16000	44000	5700	28600	250	2300	0	2500	250	2500	5000	17000	5000	2500	400		
	Subsequent>SSTL	15910	25428	700	1600	0	2188	0	1500	0	0	0	15531	0	0	0		62857
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-23	Initial 3/19-21;5/17-18/05	8100	19000	1800	9700	1600	1000	1.3	56	1000	25	100	25	25	5000	1000		
	SSTL	-72	-14880	-1800	-9700	-1600	-100	-1.3	-56	-359	-25	-100	-25	-25	-5000	-1000		
	Initial>SSTL	8028	4120	0	0	0	900	0	0	641	0	0	0	0	0	0	13889	
6/29/2006	Subsequent	2100	6700	410	3800	230	220	0	500	50	500	1000	4600	1000	500	100		
	Subsequent>SSTL	2028	0	0	0	0	120	0	444	0	475	900	4575	975	0	0		9517
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-24	Initial 3/19-21;5/17-18/05	1340	1520	98	1730	610	66.5	28.3	1	60	10	100	4890	10	1150	449		
	SSTL	-54	-1520	-98	-1730	-610	-66.5	-8	-1	-60	-10	-100	-1065	-10	-1150	-449		
	Initial>SSTL	1286	0	0	0	0	0	18.3	0	0	0	0	3825	0	0	0	5129.3	
1/0/1900	Subsequent	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0.00	0		
	Subsequent>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-25	Initial 3/19-21;5/17-18/05	1600	6200	850	4400	17	260	0.02	5	5	25	100	25	25	25	110		
	SSTL	-104	-6200	-850	-4400	-17	-121	-0.02	-5	-5	-25	-100	-25	-25	-25	-110		
	Initial>SSTL	1496	0	0	0	0	139	0	0	0	0	0	0	0	0	0	1635	
6/29/2006	Subsequent	1400	11000	2300	17400	100	1200	0	1000	100	1000	2000	7900	2000	1000	100		
	Subsequent>SSTL	1296	4800	1450	13000	83	1079	0	995	95	975	1900	7875	1975	975	0		36498
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-31	Initial 3/19-21;5/17-18/05	20	53	21	260	1	51	0.02	5	5	25	100	25	25	25	5		
	SSTL	-20	-53	-21	-260	-1	-51	-0.02	-5	-5	-25	-100	-25	-25	-120	-5		
	Initial>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6/29/2006	Subsequent	100	280	2	380	1	2	0	10	1	10	20	1600	20	10	1		
	Subsequent>SSTL	80	227	0	120	0	0	0	5	0	0	0	1575	0	0	0		2007
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-32	Initial 3/19-21;5/17-18/05	400	14000	520	18000	5	170	0.088	25	25	130	500	130	130	5000	25		
	SSTL	-71	-14000	-520	-18000	-5	-170	-0.088	-25	-25	-130	-500	-130	-130	-5000	-25		
	Initial>SSTL	329	0	0	0	0	0	0	0	0	0	0	0	0	0	0	329	
6/29/2006	Subsequent	410	850	370	2180	10	180	0	100	10	100	200	4500	200	100	10		
	Subsequent>SSTL	339	0	0	0	5	0	0	75	0	0	0	4370	70	0	0		4859
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-33	Initial 3/19-21;5/17-18/05	410	1600	280	1400	50	100	0.02	5	5	25	500	130	25	500	120		
	SSTL	-53	-1600	-280	-1400	-50	-100	-0.02	-5	-5	-25	-500	-130	-25	-500	-120		
	Initial>SSTL	357	0	0	0	0	0	0	0	0	0	0	0	0	0	0	357	
6/29/2006	Subsequent	5500	18000	1900	12400	72	650	0	500	50	500	1000	9100	1000	500	170		
	Subsequent>SSTL	5447	16400	1610	11000	22	550	0	495	45	475	500	8970	975	0	50		46539
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-34	Initial 3/19-21;5/17-18/05	250	870	180	1700	10	360	0.16	50	50	250	1000	5300	250	2800	50		
	SSTL	-35	-870	-180	-1700	-10	-301	-0.16	-50	-50	-250	-1000	-870	-250	-2800	-50		
	Initial>SSTL	215	0	0	0	0	59	0	0	0	0	0	4430	0	0	0	4704	
6/29/2006	Subsequent	1900	12000	1500	7200	1	400	0	10	1	10	20	5400	20	10	47		
	Subsequent>SSTL	1685	11130	1320	5500	0	99	0.02	0	0	0	0	4530	0	0	0		24444.02
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-35	Initial 3/19-21;5/17-18/05	12000	22000	3200	16000	1300	1200	3.2	5	1000	5000	100	25	25	5000	1300		
	SSTL	-58	-22000	-3200	-15000	-1300	-542	-3.2	-5	-1000	-5000	-100	-25	-25	-5000	-1300		
	Initial>SSTL	11944	0	0	0	0	658	0	0	0	0	0	0	0	0	0	12602	
7/11/2006	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Subsequent>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-36	Initial 3/19-21;5/17-18/05	140	310	320	1400	1	120	0.02	5	5	25	100	500	25	500	5		
	SSTL	-85	-310	-320	-1400	-1	-120	-0.02	-5	-5	-25	-100	-500	-25	-500	-5		
	Initial>SSTL	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55	
6/29/2006	Subsequent	110	540	730	4300	1	280	0	10	1	10	20	5400	20	10	1		
	Subsequent>SSTL	25	230	410	2900	0	160	0	5	0	0	0	4900	0	0	0		8630
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-37	Initial 3/19-21;5/17-18/05	360	360	44	170	160	15	0.097	5	12	25	100	330	25	45	52		
	SSTL	-90	-360	-44	-170	-160	-15	-0.097	-5	-12	-25	-100	-330	-25	-45	-52		
	Initial>SSTL	270	0	0	0	0	0	0	0	0	0	0	0	0	0	0	270	
6/29/2006	Subsequent	410	1900	1300	2550	20	390	0	200	20	200	400	1700	400	200	20		
	Subsequent>SSTL	320	1540	1256	2380	0	375	0	195	8	175	300	1370	375	155	0		6449

		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-39	Initial 3/19-21;5/17-18/05	3100	17000	2600	13000	25	830	0.29	130	130	630	2500	630	630	630	130		
	SSTL	-90	-17000	-2600	-13000	-25	-830	-0.29	-130	-130	-630	-2500	-630	-630	-630	-130		
	Initial>SSTL	3010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3010	
7/11/2006	Subsequent	1500	19000	2000	14300	200	1400	0	2000	200	2000	4000	2000	4000	15000	200		
	Subsequent>SSTL	1410	2000	0	1300	175	570	0	1870	70	1370	1500	1370	3370	14370	70		29445
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-40	Initial 3/19-21;5/17-18/05	640	740	690	1900	1	500	0.22	5	5	25	100	25	25	1500	25		
	SSTL	-113	-740	-690	-1900	-1	-500	-0.22	-5	-5	-25	-100	-25	-25	-1500	-25		
	Initial>SSTL	727	0	0	0	0	0	0	0	0	0	0	0	0	0	0	727	
7/11/2006	Subsequent	2000	15000	1300	8900	50	630	0	500	50	500	1000	6100	1000	80	50		
	Subsequent>SSTL	1887	14260	610	7000	49	130	0.1	495	45	475	900	6075	975	0	25		32926.1
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-41	Initial 3/19-21;5/17-18/05	1	1	1	1	1	5	0.02	5	5	25	100	25	25	25	5		
	SSTL	-1	-1	-1	-1	-1	-5	-0.02	-5	-5	-25	-100	-25	-25	-25	-5		
	Initial>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7/11/2006	Subsequent	110	700	160	860	1	93	0	10	1	10	20	190	20	10	1		
	Subsequent>SSTL	109	699	159	859	0	88	0	5	0	0	0	165	0	0	0		2084
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-42	Initial 3/19-21;5/17-18/05	1	1	1	1	1	5.4	0.02	5	5	25	100	25	25	25	5		
	SSTL	-1	-1	-1	-1	-1	-5.4	-0.02	-5	-5	-25	-100	-25	-25	-25	-5		
	Initial>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7/11/2006	Subsequent	3	860	480	2900	1	270	0	10	1	10	20	360	20	10	1		
	Subsequent>SSTL	2.2	859	479	2899	0	264.6	0	5	0	0	0	335	0	0	0		4843.8
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-47	Initial 3/19-21;5/17-18/05	1	14	1	1	1	5	2.4	5	5	25	100	25	25	25	5		
	SSTL	-1	-14	-1	-1	-1	-5	-1	-5	-5	-25	-100	-25	-25	-25	-5		
	Initial>SSTL	0	0	0	0	0	0	1.4	0	0	0	0	0	0	0	0	1.4	
7/11/2006	Subsequent	1	3	1	4	1	6	0	10	1	10	20	10	20	10	1		
	Subsequent>SSTL	0	0	0	3.2	0	0.6	0	5	0	0	0	0	0	0	0		8.6
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-54	Initial 3/19-21;5/17-18/05	970	2900	460	2200	1500	1100	2.7	50	50	250	1000	650	250	250	50		
	SSTL	-7	-1337	-460	-2200	-83	-29	-2.7	-50	-50	-250	-1000	-187	-250	-250	-50		
	Initial>SSTL	963	1563	0	0	1417	1071	0	0	0	0	0	463	0	0	0	5477	
7/11/2006	Subsequent	650	501	1	12	23	5	0	10	1	10	20	700	20	90	63		
	Subsequent>SSTL	643	0	0	0	0	0	0	0	0	0	0	513	0	0	13		1169
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-55	Initial 3/19-21;5/17-18/05	440	1	27	1	410	39	0.11	5	14	130	100	1400	25	82	83		
	SSTL	-11	-1	-27	-1	-103	-38	-0.05	-5	-14	-130	-100	-423	-25	-82	-83		
	Initial>SSTL	429	0	0	0	307	3	0.06	0	0	0	0	977	0	0	0	1716.06	
7/11/2006	Subsequent	130	3	18	4	190	19	0	10	8	10	20	610	20	10	55		
	Subsequent>SSTL	119	2.4	0	3.4	87	0	0	5	0	0	0	187	0	0	0		403.8
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-57	Initial 3/19-21;5/17-18/05	12000	12000	2000	8200	2000	1000	3.3	1000	1000	5000	20000	8200	5000	5000	1200		
	SSTL	-6	-1944	-969	-8200	-54	-28	-0.05	-1000	-165	-1908	-20000	-287	-5000	-5000	-290		
	Initial>SSTL	11994	10056	1031	0	1946	972	3.25	0	835	3092	0	7913	0	0	910	38752.25	
7/13/2006	Subsequent	8900	8300	1300	4500	1300	290	0	100	110	100	200	5100	200	100	820		
	Subsequent>SSTL	8894	8356	331	0	1246	262	0	0	0	0	0	4813	0	0	530		22432
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-58	Initial 3/19-21;5/17-18/05	5300	110	980	160	630	490	2	87	88	250	1000	3500	250	600	670		
	SSTL	-6	-110	-918	-160	-51	-27	-0.05	-1000	-165	-1908	-20000	-287	-5000	-5000	-290		
	Initial>SSTL	5294	0	42	0	579	463	1.95	0	0	0	0	3213	0	0	380	9972.95	
7/13/2006	Subsequent	5800	87	480	228	490	300	0	100	67	120	200	5200	200	100	490		
	Subsequent>SSTL	5784	0	0	68	439	273	0	0	0	0	0	4913	0	0	200		11687
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-64	Initial 3/19-21;5/17-18/05	390	13	51	1	100	56	0.02	5	10	25	100	25	25	170	41		
	SSTL	-345	-13	-51	-1	-100	-56	-0.02	-5	-10	-25	-100	-25	-25	-170	-41		
	Initial>SSTL	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	
7/11/2006	Subsequent	1600	53	330	68	180	170	0	100	28	100	200	2200	200	1100	130		
	Subsequent>SSTL	1255	40	279	67	80	114	0	95	18	75	100	2175	175	930	89		5492
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-65	Initial 3/19-21;5/17-18/05	140	31	78	88	6	45	0.02	5	5	25	100	25	25	74	14		
	SSTL	-140	-31	-78	-88	-6	-45	-0.02	-5	-5	-25	-100	-25	-25	-74	-14		
	Initial>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4/19/2005	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Subsequent>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0

		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-6S	Initial 3/19-21;5/17-18/05	1	1	1	27	1	8.6	0.02	5	5	25	100	25	25	25	5		
	SSTL	-1	-1	-1	-27	-1	-8.6	-0.02	-5	-5	-25	-100	-25	-25	-25	-5		
	Initial>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7/11/2006	Subsequent	2	8	3	13	1	8	0	10	1	10	20	14	20	10	1		
	Subsequent>SSTL	0.7	6.7	1.5	0	0	0	0	5	0	0	0	0	0	0	0		13.9
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
MW-5aR	Initial 3/19-21;5/17-18/05	27000	31000	2500	14000	9900	1000	0.19	1000	2300	5000	20000	54000	5400	13000	4100		
	SSTL	-83	-17249	-2500	-14000	-9900	-108	-0.19	-1000	-381	-5000	-20000	-1403	-5400	-13000	-4100		
	Initial>SSTL	26917	13751	0	0	0	892	0	0	1919	0	0	52597	0	0	0	96076	
6/29/2006	Subsequent	23000	30000	2500	13600	2700	780	0	1000	1200	1000	2000	1000	2000	1000	3200		
	Subsequent>SSTL	22917	12751	0	0	0	672	0	0	819	0	0	0	0	0	0		37159
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
PW-1R	Initial 3/19-21;5/17-18/05	8300	6800	1800	8100	280	770	7.6	320	1400	1100	1000	18000	250	3000	2500		
	SSTL	-68	-6800	-1800	-8100	-280	-89	-6	-320	-330	-1100	-1000	-1114	-250	-3000	-2500		
	Initial>SSTL	8242	0	0	0	0	681	1.6	0	1070	0	0	16886	0	0	0	26880.6	
6/29/2006	Subsequent	2500	2700	39	1710	1300	160	0	100	10	1300	200	9500	200	100	360		
	Subsequent>SSTL	2442	0	0	0	1010	71	0	0	0	200	0	8386	0	0	0		12109
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
RW-1R	Initial 3/19-21;5/17-18/05	1600	10	230	10	130	14	0.54	5	50	25	100	850	25	250	160		
	SSTL	-54	-10	-230	-10	-130	-14	-0.54	-5	-50	-25	-100	-850	-25	-250	-160		
	Initial>SSTL	1546	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1546	
6/29/2006	Subsequent	16000	25000	1700	10400	2600	710	6	250	25	2000	500	11000	500	510	2000		
	Subsequent>SSTL	15946	24990	1470	10390	2470	696	3.96	245	0	1975	400	10150	475	260	1840		71310.96
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
DW-3	Initial 3/19-21;5/17-18/05	350	360	64	220	230	5	0.06	5	17	25	100	850	75	95	5		
	SSTL	-45	-360	-64	-220	-230	-5	-0.06	-5	-17	-25	-100	-850	-75	-95	-5		
	Initial>SSTL	305	0	0	0	0	0	0	0	0	0	0	0	0	0	0	305	
1/0/1900	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Subsequent>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
DW-4	Initial 3/19-21;5/17-18/05	74	380	102	524	11.5	48	1.46	5	5	50	500	150	50	50	25		
	SSTL	-48	-380	-102	-524	-11.5	-48	-1.46	-5	-5	-50	-500	-150	-50	-50	-25		
	Initial>SSTL	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	
6/29/2006	Subsequent	1	1	1	2	110	6	0	10	1	10	20	520	20	10	57		
	Subsequent>SSTL	0	0	0	0	98.5	0	0	5	0	0	0	370	0	0	32		505.5
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
DW-7	Initial 3/19-21;5/17-18/05	40	2	2	2	20	10	0.14	10	10	50	200	300	50	50	16		
	SSTL	-7	-2	-2	-2	-20	-10	-0.14	-10	-10	-50	-200	-300	-50	-50	-16		
	Initial>SSTL	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	
7/13/2006	Subsequent	4	9	3	13	2	6	0	10	1	10	20	20	20	10	2		
	Subsequent>SSTL	0	6.9	0.8	10.8	0	0	0	0	0	0	0	0	0	0	0		18.5
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	EDB	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE		
DW-9	Initial 3/19-21;5/17-18/05	1	5	1	1	1	5	0.02	5	5	25	100	25	25	25	5		
	SSTL	-1	-5	-1	-1	-1	-5	-0.02	-5	-5	-25	-100	-25	-25	-25	-5		
	Initial>SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7/13/2006	Subsequent	2	4	2	6	1	6	0	10	1	10	20	10	20	10	1		
	Subsequent>SSTL	0.5	0	0.7	4.9	0	0.7	0	5	0	0	0	0	0	0	0		11.8
Totals	Initial>SSTL																576077.22	
	Subsequent>SSTL																	507396.82

CoC Mass Reduction Calculation

= (Initial>SSTL-Subsequent>SSTL)/(Initial>SSTL)*100%
= 11.92%

Monitoring Event, Clouds Chevron Gas Station
Analytical Data (ug/L)

Well	Date	Free Product Thickness Ft.	Benzene ug/L	Toluene ug/L	Ethylbenzene ug/L	Xylenes ug/L	MTBE ug/L	Naphthalene ug/L	EDB ug/L	ETBE	TAME ug/L	TBA ug/L	Ethanol ug/L	TAA ug/L	TBF ug/L	ETBA ug/L	DIPE ug/L
MW-1	4/19/2005		1	1	1	1	5	1	0.02	5	5	25	100	25	25	25	5
	6/29/2006		1	7	3	19	1	4	0.02	10	1	10	20	10	20	10	1
MW-2	4/19/2005		5900	11000	1800	12000	570	3200	39.00	130	130	630	2500	2800	630	630	250
	6/29/2006		12000	22000	2100	13800	1700	460	94.00	20	50	20	40	1700	40	20	210
MW-3	4/19/2005	0.19	15000	27000	3500	19000	1500	37000	230.00	250	540	1300	5000	12000	1300	1300	1100
	6/29/2006	3.58															
MW-4	4/19/2005		1	1	1	1	5	8	0.07	5	5	25	100	25	25	25	5
	6/29/2006		1	8	2	17	2	2	0.02	10	1	10	20	10	20	10	1
MW-5	4/19/2005		100	3600	2300	8300	710	100	0.84	500	500	2500	10000	2500	2500	2500	500
	6/29/2006		670	3900	1	9800	1	510	3.60	10	1	10	20	580	20	10	1
MW-6	4/19/2005		13	1	1	60	5	1	0.02	5	5	25	100	25	25	25	5
	6/29/2006		970	190	160	525	3700	210	2.40	100	33	100	200	1000	200	100	87
MW-7	4/19/2005		1	1	1	1	5	1	0.02	5	5	25	100	25	25	25	5
	6/29/2006		1	1	1	2	1	1	0.02	10	1	10	20	10	20	10	1
MW-8	4/19/2005		1	1	1	1	5	1	0.02	5	5	25	100	25	25	25	5
	6/29/2006		1	1	1	4	1	1	0.02	10	1	10	20	10	20	10	1
MW-9	4/19/2005		3100	9800	2100	11000	1000	10	0.15	50	50	250	1000	250	250	250	71
	7/11/2006	0.28															
MW-10**	4/19/2005	0.07	12000	17000	2700	13000	990	540	0.23	130	230	630	2500	630	630	630	1700
	4/19/2005		25	230	25	25	130	25	0.02	130	130	630	2500	630	630	630	130
MW-11	7/11/2006		43	35	5	23	1	7	0.02	10	1	110	20	2500	20	10	1
	4/19/2005		25	230	25	25	130	25	0.02	5	5	25	100	25	25	25	5
MW-12	7/13/2006		1	8	2	11	1	7	0.02	10	1	10	20	10	20	10	1
	4/19/2005		1	1	1	1	5	1	0.02	5	5	25	100	25	25	25	5
MW-13	7/11/2006		1	4	1	8	10	9	0.02	1	1	10	20	10	20	10	1
MW-15**	4/19/2005		210	520	230	720	190	1	0.02	5	5	25	100	25	25	330	5
	4/19/2005		1	18	5	36	31	1	0.02	5	5	25	100	25	25	25	5
MW-16	7/11/2006	0.02															
	4/19/2005	0.02	3500	28000	3600	20000	1800	200	0.02	1000	1000	5000	20000	5000	5000	5000	1000
MW-17	7/11/2006	0.04															
	4/19/2005	0.03	18000	37000	3200	17000	1300	6400	1.60	1000	1000	5000	20000	5000	5000	5000	2800
MW-18**																	
	4/19/2005		23000	48000	3600	20000	1300	4200	1.60	1000	1000	5000	20000	5000	5000	5000	2300
MW-19	7/11/2006	0.19															
	4/19/2005		19000	36000	3200	18000	1400	7200	0.02	1000	1000	5000	20000	5000	5000	5000	2800
MW-20	6/29/2006		18000	32000	3500	17600	3000	1400	0.08	500	530	500	1000	3500	1000	500	2300
	4/19/2005		24000	39000	5000	27000	4600	780	0.02	1000	1000	5000	20000	5000	5000	5000	1900
MW-22	6/29/2006		16000	44000	5700	28600	250	2300	0.02	2500	250	2500	5000	17000	5000	2500	400
	4/19/2005		8100	19000	1800	9700	1000	1600	1.30	58	1000	25	100	25	25	5000	1000
MW-23	6/29/2006		2100	5700	410	3800	230	220	0.21	500	50	500	1000	4600	1000	500	100
	4/19/2005		1340	1520	98	1730	66.5	610	26.30	1	60	10	100	4890	10	1150	449
MW-24**																	
	4/19/2005		1600	6200	850	4400	280	17	0.02	5	5	25	100	25	25	25	110
MW-25	6/29/2006		1400	11000	2300	17400	100	1200	0.02	1000	100	1000	2000	7900	2000	1000	100
	4/19/2005		1	1	1	1	5	1	0.02	5	5	25	100	25	25	25	5
MW-26	6/29/2006		1	1	1	2	1	1	0.02	10	1	10	20	10	20	10	1
MW-27**	4/19/2005		1	1	1	1	5	1	0.02	1	1	10	100	10	10	10	5
	4/19/2005		380	970	98	490	250	50	0.02	250	250	1300	5000	1300	1300	1300	2800
MW-28	6/29/2006		10	44	9	72	1	35	0.02	10	1	10	20	91	20	10	1
	4/19/2005		100	100	100	100	3500	100	0.02	500	500	2500	10000	2500	2500	3100	500
MW-29	6/29/2006		3	18	6	44	1	13	0.02	10	1	10	20	10	20	10	1
	4/19/2005		1	1	1	1	5	1	0.11	5	5	25	100	25	25	25	5
MW-30	6/29/2006		3	28	21	129	1	50	0.02	10	1	10	20	10	20	10	1
	4/19/2005		20	53	21	280	51	1	0.02	5	5	25	100	25	25	120	5
MW-31	6/29/2006		100	280	2	380	1	2	0.02	10	1	10	20	1600	20	10	1
	4/19/2005		400	14000	520	18000	170	5	0.09	25	25	130	500	130	130	5000	25
MW-32	6/29/2006		410	850	370	2180	10	160	0.02	100	10	100	200	4500	200	100	10

MW-33	4/19/2005		410	1600	290	1400	100	50	0.02	5	5	25	600	130	25	500	120
	6/29/2006		5500	18000	1900	12400	72	650	0.02	500	50	500	1000	9100	1000	500	170
MW-34	4/19/2005		250	870	180	1700	360	10	0.16	50	50	250	1000	5300	250	2800	50
	6/29/2006		1900	12000	1500	7200	1	400	0.18	10	1	10	20	5400	20	10	47
MW-35	4/19/2005		12000	22000	3200	16000	1200	1300	3.20	5	1000	5000	100	25	25	5000	1300
	7/11/2006	0.57															
MW-36	4/19/2005		140	310	320	1400	120	1	0.02	5	5	25	100	500	25	500	5
	6/29/2006		110	540	730	4300	1	280	0.02	10	1	10	20	5400	20	10	1
MW-37	4/19/2005		360	360	44	170	15	160	0.10	5	12	25	100	330	25	45	52
	6/29/2006		410	1900	1300	2550	20	390	0.03	200	20	200	400	1700	400	200	20
MW-38	4/19/2005		1	1	1	1	5	1	0.02	5	5	25	100	25	25	25	5
	7/11/2006		2	23	6	32	1	8	0.02	10	1	10	20	10	20	10	1
MW-39	4/19/2005		3100	17000	2600	13000	830	25	0.29	130	130	630	2500	630	630	630	130
	7/11/2006		1500	19000	2000	14300	200	1400	0.19	2000	200	2000	4000	2000	4000	15000	200
MW-40	4/19/2005		840	740	690	1900	500	1	0.22	5	5	25	100	25	25	1500	25
	7/11/2006		2000	15000	1300	8900	50	630	0.32	500	50	500	1000	6100	1000	80	50
MW-41	4/19/2005		1	1	1	1	5	1	0.02	5	5	25	100	25	25	25	5
	7/11/2006		110	700	160	860	1	93	0.02	10	1	10	20	190	20	10	1
MW-42	4/19/2005		1	1	1	1	5.4	1	0.02	5	5	25	100	25	25	25	5
	7/11/2006		3	860	480	2900	1.0	270	0.02	10	1	10	20	360	20	10	1
MW-43	4/19/2005		1	1	1	1	5	1	0.02	5	5	25	100	25	25	25	5
	7/11/2006		1	11	2	13	7	0	10.00	1	10	20	10	20	10	10	1
MW-44	4/19/2005		1	1	1	1	5	1	0.02	5	5	25	100	25	25	25	5
	7/11/2006		1	4	1	6	1	2	0.02	10	1	10	20	10	20	10	1
MW-45	4/19/2005		1	1	1	1	5	1	0.02	5	5	25	100	25	25	25	5
	7/11/2006		1	3	1	4	1	2	0.02	10	1	10	20	10	20	10	1
MW-46	4/19/2005		1	12	1	1	5.2	1	0.02	5	5	25	190	25	25	25	5
	7/11/2006		1	2	1	2	1.0	6	0.02	10	1	10	20	10	20	10	1
MW-47	4/19/2005		1	14	1	1	5	1	2.40	5	5	25	100	25	25	25	5
	7/11/2006		1	3	1	4	1	6	0.02	10	1	10	20	10	20	10	1
MW-48	4/19/2005		1	1	1	1	5	1	1.60	5	5	25	100	25	25	25	5
	7/11/2006		1	4	1	5	1	1	0.02	10	1	10	20	10	20	10	1
MW-49	4/19/2005		1	18	1	1	5	1	0.33	5	5	25	100	25	25	25	5
	7/11/2006		1	2	1	2	1	6	0.02	10	1	10	20	10	20	10	1
MW-50	4/19/2005		1	13	1	1	5	1	0.02	5	5	25	100	25	25	25	5
	7/11/2006		1	2	1	5	1	1	0.02	10	1	10	20	10	20	10	1
MW-51	4/19/2005		1	1	1	1	5	1	0.02	5	5	25	100	25	25	25	5
	7/11/2006		1	1	1	4	1	6	0.02	10	1	10	20	13	20	10	1
MW-52	4/19/2005		1	1	1	1	5	1	0.02	5	5	25	100	25	25	25	5
	7/11/2006		1	2	1	3	1	2	0.02	10	1	10	20	10	20	10	1
MW-53	4/19/2005		1	1	1	1	5	1	0.73	5	5	33	100	25	25	60	5
	7/11/2006		1	29	29	193	1	42	0.02	10	1	11	20	100	20	10	1
MW-54	4/19/2005		970	2900	460	2200	1100	1500	2.70	50	50	250	1000	650	250	250	50
	7/11/2006		650	501	1	12	23	5	0.02	10	1	10	20	700	20	90	63
MW-55	4/19/2005		440	1	27	1	39	410	0.11	5	14	130	100	1400	25	82	83
	7/11/2006		130	3	18	4	190	19	0.02	10	8	10	20	610	20	10	55
MW-56	4/19/2005		76	1	1	1	5.4	1	0.02	5	5	25	100	46	25	25	7
	7/13/2006		1	2	1	5	1.0	5	0.02	10	1	10	20	10	20	10	1
MW-57	4/19/2005		12000	12000	2000	8200	1000	2000	3.30	1000	1000	5000	20000	8200	5000	5000	1200
	7/13/2006		8900	8300	1300	4500	1300	290	0.03	100	110	100	200	5100	200	100	820
MW-58	4/19/2005		5300	110	960	160	490	630	2.00	87	88	250	1000	3500	250	500	670
	7/13/2006		5800	87	480	228	490	300	0.02	100	67	120	200	5200	200	100	490
MW-59	4/19/2005		1	1	1	1	5	1	0.25	5	5	25	100	25	25	25	5
	7/13/2006		1	2	1	4	1	6	0.02	10	1	10	20	10	20	10	1
MW-60**	4/19/2005		1	1	1	1	5	1	0.02	1	1	10	100	10	10	10	5
MW-61	4/19/2005		1	1	1	1	5	1	0.02	5	5	25	100	10	25	25	5
	7/11/2006		1	7	2	11	1	4	0.02	10	1	10	20	10	20	10	1
MW-62	4/19/2005		1	1	1	1	5	1	0.02	5	5	25	100	10	25	25	5
	7/17/2006		1	1	1	6	1	2	0.02	10	1	10	20	10	20	10	1
MW-63	4/19/2005		1	1	1	1	5	1	0.02	5	5	25	100	10	25	25	5
	7/11/2006		1	4	1	5	1	6	0.02	10	1	10	20	10	20	10	1
MW-64	4/19/2005		390	13	51	1	56	100	0.02	5	10	25	100	25	25	170	41
	7/11/2006		1600	53	330	68	180	170	0.02	100	28	100	200	2200	200	1100	130
MW-65**	4/19/2005		140	31	78	68	45	600	0.02	5	5	25	100	25	25	74	14
	4/19/2005																
MW-66	4/19/2005		1	1	1	27	8.6	1	0.02	5	5	25	100	25	25	25	5
	7/11/2006		2	8	3	13	1.0	8	0.02	10	1	10	20	14	20	10	1

		B	T	E	X	M	N	EDB	ETBE	TAME	TBA	EtOH	TAA	TBF	ETBA	DIPE
MW-67	4/19/2005	1	1	1	1	5	1	0.02	5	5	25	100	25	25	25	5
	7/11/2006	1	11	3	20	1	8	0.02	10	1	10	20	10	20	10	1
MW-68	4/19/2005	1	1	1	1	5	1	0.02	5	5	25	100	25	25	25	5
	7/11/2006	1	11	3	18	1	6	0.02	10	1	10	20	10	20	10	1
MW-69	4/19/2005	1	1	1	1	5	1	0.02	5	5	25	100	25	25	25	5
	7/11/2006	1	4	1	7	1	3	0.02	10	1	10	20	10	20	10	1
MW-70	4/19/2005	1	1	1	1	5	1	0.02	5	5	25	100	25	25	25	5
	7/11/2006	1	7	2	12	1	4	0.02	10	1	10	20	10	20	10	1
MW-5aR	4/19/2005	27000	31000	2500	14000	1000	9900	0.19	1000	2300	5000	20000	54000	5400	13000	4100
	6/29/2006	23000	30000	2500	13600	2700	780	0.02	1000	1200	1000	2000	1000	2000	1000	3200
PW-1R	4/19/2005	8300	6800	1800	8100	770	290	7.60	320	1400	1100	1000	18000	250	3000	2600
	6/29/2006	2500	2700	39	1710	1300	160	0.08	100	10	1300	200	9500	200	100	360
RW-1R	4/19/2005	1600	10	230	10	14	130	0.54	5	50	25	100	850	25	250	160
	6/29/2006	16000	25000	1700	10400	2600	710	4.50	250	25	2000	500	11000	500	510	2000
DW-1	4/19/2005	1	1	1	1	5	1	0.02	5	5	25	100	25	25	25	5
	6/29/2006	2	3	1	9	1	22	0.02	10	1	10	20	10	20	10	1
DW-2	4/19/2005	1	1	1	1	5	1	0.02	5	5	25	100	25	25	25	5
	6/29/2006	27	78	16	117	3	20	0.15	10	1	10	20	10	20	10	1
DW-3**	4/19/2005	350	360	64	220	5	230	0.06	5	17	25	100	850	75	95	5
DW-4	4/19/2005	74	380	102	524	48	12	1.46	5	5	50	500	150	50	50	25
	6/29/2006	1	1	1	2	110	8	0.30	10	1	10	20	520	20	10	57
DW-5	4/19/2005	99	240	160	600	89	1	6.10	5	5	25	100	220	25	25	5
	6/29/2006	8	97	28	149	1	77	0.02	10	1	10	20	32	20	10	1
DW-6	4/19/2005	1	1	1	1	5	1	0.02	5	5	25	100	25	25	25	5
	7/11/2006	2	9	3	17	1	10	0.02	10	1	10	20	10	20	10	1
DW-7	4/19/2005	40	2	2	2	10	20	0.14	10	10	50	200	300	50	50	16
	7/13/2006	4	9	3	13	2	6	0.02	10	1	10	20	20	20	10	2
DW-8	4/19/2005	1	1	1	1	5	1	0.02	5	5	25	100	25	25	25	5
	7/13/2006	1	5	1	6	1	2	0.02	10	1	10	20	10	20	10	1
DW-9	4/19/2005	1	1	1	1	5	1	0.02	5	5	25	100	25	25	25	5
	7/13/2006	2	4	2	6	1	6	0.02	10	1	10	20	10	20	10	1
SW-1	4/19/2005	370	110	41	100	9	160	0.02	5	10	25	370	25	25	50	74
	7/13/2006	780	1000	190	710	470	52	0.02	5	31	25	2600	25	25	50	190

*Could Not Find

Groundwater Potentiometric Data

Well	Date		TOC Elevation	TOC to GW	TOC to FP	FP Thickness	GW Elevation
MW-1	4/19/2005		93.89				
	6/29/2006			17.98			75.91
MW-2	4/19/2005		94.70				
	6/29/2006			22.91			71.79
MW-3	4/19/2005		94.45				
	6/29/2006			24.88	21.30	3.58	69.57
MW-4	4/19/2005		94.85				
	6/29/2006			26.24			68.61
MW-5	4/19/2005		95.26				
	6/29/2006			23.34			71.92
MW-6	4/19/2005		94.96				
	6/29/2006			24.09			70.87
MW-7	4/19/2005		95.93				
	6/29/2006			24.29			71.64
MW-8	4/19/2005		94.79				
	6/29/2006			20.28			74.51
MW-9	4/19/2005		92.30				
	7/11/2006			28.93	28.65	0.28	63.37
MW-10**	4/19/2005		85.98				
	1/0/1900						85.98
MW-11	4/19/2005		88.46				
	7/11/2006			20.49			67.97
MW-12	4/19/2005		72.80				
	7/13/2006						72.80
MW-13	4/19/2005		80.44				
	7/11/2006			13.05			67.39
MW-15**	4/19/2005		86.44				
	1/0/1900						86.44
MW-16	4/19/2005		88.19				
	7/11/2006			19.50	19.48	0.02	68.69
MW-17	4/19/2005		92.45				
	7/11/2006			24.42	24.38	0.04	68.03
MW-18**	4/19/2005		94.81				
	1/0/1900						94.81
MW-19	4/19/2005		93.96				
	7/11/2006			25.89	25.7	0.19	68.07
MW-20	4/19/2005		94.12				
	6/29/2006			22.76			71.36
MW-22	4/19/2005		94.25				
	6/29/2006			21.54			72.71
MW-23	4/19/2005		94.43				
	6/29/2006			21.79			72.64
MW-24**	4/19/2005		93.94				
	1/0/1900						93.94
MW-25	4/19/2005		93.09				
	6/29/2006			20.70			72.39
MW-26	4/19/2005		95.96				
	6/29/2006			22.68			73.28
MW-27**	4/19/2005		91.40				
	1/0/1900						91.40
MW-28	4/19/2005		91.46				
	6/29/2006			18.42			73.04
MW-29	4/19/2005		91.09				
	6/29/2006			19.57			71.52
MW-30	4/19/2005		92.77				
	6/29/2006			23.34			69.43
MW-31	4/19/2005		95.20				
	6/29/2006			27.14			68.06
MW-32	4/19/2005		92.87				
	6/29/2006			23.51			69.36
MW-33	4/19/2005		93.84				
	6/29/2006			25.71			68.13
MW-34	4/19/2005		94.77				
	6/29/2006			26.55			68.22

	4/19/2005		93.71				
MW-35	7/11/2006			25.60	25.03	0.57	68.11
	4/19/2005		93.89				
MW-36	6/29/2006			25.28			68.61
	4/19/2005		93.78				
MW-37	6/29/2006			25.78			68.00
	4/19/2005		95.53				
MW-38	7/11/2006			27.20			68.33
	4/19/2005		96.19				
MW-39	7/11/2006			27.92			68.27
	4/19/2005		95.69				
MW-40	7/11/2006			27.88			67.81
	4/19/2005		94.85				
MW-41	7/11/2006			27.31			67.54
	4/19/2005		95.81				
MW-42	7/11/2006			29.98			65.83
	4/19/2005		95.15				
MW-43	7/11/2006			26.61			68.54
	4/19/2005		94.57				
MW-44	7/11/2006			25.29			69.28
	4/19/2005		92.51				
MW-45	7/11/2006			24.72			67.79
	4/19/2005		94.50				
MW-46	7/11/2006			25.96			68.54
	4/19/2005		92.44				
MW-47	7/11/2006			23.91			68.53
	4/19/2005		89.95				
MW-48	7/11/2006			20.90			69.05
	4/19/2005		88.18				
MW-49	7/11/2006			18.56			69.62
	4/19/2005		84.09				
MW-50	7/11/2006			14.72			69.37
	4/19/2005		93.91				
MW-51	7/11/2006			24.81			69.10
	4/19/2005		90.21				
MW-52	7/11/2006			22.22			67.99
	4/19/2005		79.60				
MW-53	7/11/2006			11.92			67.68
	4/19/2005		77.58				
MW-54	7/11/2006						77.58
	4/19/2005		71.22				
MW-55	7/11/2006						71.22
	4/19/2005		76.39				
MW-56	7/13/2006						76.39
	4/19/2005		67.20				
MW-57	7/13/2006						67.20
	4/19/2005		76.37				
MW-58	7/13/2006						76.37
	4/19/2005		68.02				
MW-59	7/13/2006						68.02
	4/19/2005		67.94				
MW-60**	1/0/1900						67.94
	4/19/2005		91.00				
MW-61	7/11/2006			20.89			70.11
	4/19/2005		94.05				
MW-62	7/17/2006			24.49			69.56
	4/19/2005		94.65				
MW-63	7/11/2006			25.78			68.87
	4/19/2005		94.36				
MW-64	7/11/2006			27.08			67.28
	4/19/2005		94.04				
MW-65**	4/19/2005						94.04
	4/19/2005		95.25				
MW-66	7/11/2006			28.09			67.16
	4/19/2005		96.10				
MW-67	7/11/2006			28.21			67.89
	4/19/2005		94.02				
MW-68	7/11/2006			26.81			67.21

MW-69	4/19/2005		94.36				
	7/11/2006			27.18			67.18
MW-70	4/19/2005		95.49				
	7/11/2006			25.88			69.61
MW-5aR	4/19/2005		94.18				
	6/29/2006			21.51			72.67
PW-1R	4/19/2005		93.75				
	6/29/2006			24.61			69.14
RW-1R	4/19/2005		93.66				
	6/29/2006			25.67			67.99
DW-1	4/19/2005		94.66				
	6/29/2006			49.50			45.16
DW-2	4/19/2005		94.02				
	6/29/2006			45.23			48.79
DW-3**	4/19/2005		93.75				
	1/0/1900						93.75
DW-4	4/19/2005		93.79				
	6/29/2006			45.69			48.10
DW-5	4/19/2005		93.74				
	6/29/2006			12.43			81.31
DW-6	4/19/2005		95.90				
	7/11/2006			46.81			49.09
DW-7	4/19/2005		72.79				
	7/13/2006						72.79
DW-8	4/19/2005		68.63				
	7/13/2006						68.63
DW-9	4/19/2005		76.47				
	7/13/2006						76.47
SW-1	4/19/2005						
	7/13/2006						

Clouds Chevron Gas Station Well Sampling Data						
Well	Date	Time	TOC to Water	TOC to LPH	pH1	T1
MW-1	6/29/2006	948	17.98		5.82	23.9
MW-2	6/29/2006	856	22.91		–	–
MW-3	6/29/2006	900	24.88	21.3	6.20	25.0
MW-4	6/29/2006	941	21.24		4.83	27.2
MW-5	6/29/2006	933	23.39		6.54	23.0
MW-6	6/29/2006	926	24.09		5.93	25.0
MW-7	6/29/2006	1024	24.29		4.08	27.4
MW-8	6/29/2006	952	20.28		4.52	25.8
MW-9	7/11/2006	1330	28.93	28.65		
MW-10						
MW-11	7/11/2006	1250	20.49		5.11	25.6
MW-12	7/12/2006	833			7.55	27.9
MW-13	7/11/2006	1402	13.05		4.31	28.4
MW-14						
MW-15						
MW-16	7/11/2006	1152	19.50	19.48		
MW-17	7/11/2006	1145	24.42	24.38		
MW-18	Destroyed					
MW-19	7/11/2006	1157	25.89	25.70		
MW-20	6/29/2006	1050	22.76		5.48	25.9
MW-21						
MW-22	6/29/2006	1052	21.54		5.17	29.2
MW-23	6/29/2006	1109	21.79		5.91	25.4
MW-24						
MW-25	6/29/2006	1146	20.70		5.72	29.7
MW-26	6/29/2006	828	22.68		4.76	26.9
MW-27						
MW-28	6/29/2006	1153	18.42		5.76	24.7
MW-29	6/29/2006	1150	19.57		5.70	23.6
MW-30	6/29/2006		23.34			
MW-31	6/29/2006		27.14			
MW-32	6/29/2006	1220	23.51			
MW-33	6/29/2006	1222	25.71			
MW-34	6/29/2006	1247	26.55			
MW-35	6/29/2006	1234	25.60	25.03		
MW-36	6/29/2006	1217	27.20			
MW-37	6/29/2006	0830	27.97			
MW-38	6/29/2006	1338	27.88		6.41	23.0
MW-39	6/29/2006	1341	27.31		5.78	23.4
MW-40	6/29/2006	1343	29.98		5.02	21.6
MW-41	6/29/2006	1353	26.61		5.60	20.9
MW-42	6/29/2006	1350	25.29		4.60	21.5
MW-43	7/11/2006	948	24.72		4.52	26.4
MW-44	7/11/2006	1008	25.96		4.39	24.6
MW-45	7/11/2006	1017	23.91		4.45	25.2
MW-46	7/11/2006	1030	20.90		4.36	25.9
MW-47	7/11/2006	1042	18.56		4.43	24.8
MW-48	7/11/2006	1110	14.72		5.75	23.4
MW-49	7/11/2006	1128	24.81		5.04	24.8
MW-50			22.22		5.28	22.9
MW-51	7/11/2006	1311	11.92		4.27	25.1
MW-52	7/11/2006	1300			4.50	22.6
MW-53	7/11/2006	1349			4.78	31.5
MW-54						
MW-55	7/13/2006	936			5.34	26.6
MW-56	7/13/2006	943			4.68	26.0
MW-57	7/13/2006	953			5.50	25.4
MW-58	7/13/2006	900			6.79	23.7
MW-59	7/13/2006	1040	20.89		4.66	30.6
MW-60			24.49			
MW-61	6/29/2006	1438	25.78		4.43	22.1
MW-62	6/29/2006	1436	27.08		4.53	21.2
MW-63	6/29/2006	1442			4.45	22.8
MW-64	6/29/2006	1410	28.09		5.00	22.0
MW-65	6/29/2006		28.21		5.00	
MW-66	6/29/2006	1413	26.81		4.29	21.3
MW-67	6/29/2006	1735	27.18		4.83	21.9
MW-68	6/29/2006	1407	25.88		4.71	22.70
MW-69	6/29/2006	1401	21.51		4.32	21.10
MW-70	6/29/2006	1359	24.61		5.50	23.70
MW-5aR	6/29/2006	1054	25.67		5.23	23.80
PW-1R	6/29/2006	1124	49.50		5.76	24.30
RW-1R	6/29/2006	1121	45.23		6.04	24.80
DW-1	6/29/2006	952			6.65	25.00
DW-2	6/29/2006	927	45.69		6.72	25.30
DW-3	6/29/2006		12.43			
DW-4	6/29/2006	1057	46.81		5.76	28.1
DW-5	6/29/2006					
DW-6	6/29/2006	1348			6.01	21.1
DW-7	7/13/2006	830			8.17	23.4
DW-8	7/13/2006	1028			5.59	24.8
DW-9	7/13/2006	905			6.88	22.3
SW-1	7/13/2006	1000			5.62	25.5

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202283 Project Sample Number: 92123332-001 Date Collected: 07/11/06 10:30
Client Sample ID: MW46 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/19/06 22:48	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	98	%		07/19/06 22:48	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/21/06 05:18	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/21/06 05:18	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/21/06 05:18	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/21/06 05:18	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/21/06 05:18	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/21/06 05:18	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/21/06 05:18	MCK	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/21/06 05:18	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/21/06 05:18	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/21/06 05:18	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/21/06 05:18	MCK	1634-04-4		
Naphthalene	5.6	ug/l	1.0	07/21/06 05:18	MCK	91-20-3		
Toluene	2.0	ug/l	1.0	07/21/06 05:18	MCK	108-88-3		
m&p-Xylene	2.2	ug/l	2.0	07/21/06 05:18	MCK			
o-Xylene	ND	ug/l	1.0	07/21/06 05:18	MCK	95-47-6		
Toluene-d8 (S)	97	%		07/21/06 05:18	MCK	2037-26-5		
4-Bromofluorobenzene (S)	98	%		07/21/06 05:18	MCK	460-00-4		
Dibromofluoromethane (S)	101	%		07/21/06 05:18	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	98	%		07/21/06 05:18	MCK	17060-07-0		

Date: 08/10/06

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202291 Project Sample Number: 92123332-002 Date Collected: 07/11/06 14:00
Client Sample ID: MW13 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/19/06 23:27	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	93	%		07/19/06 23:27	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/22/06 16:22	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/22/06 16:22	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/22/06 16:22	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/22/06 16:22	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/22/06 16:22	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/22/06 16:22	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/22/06 16:22	MCK	64-17-5		
Ethylbenzene	1.3	ug/l	1.0	07/22/06 16:22	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/22/06 16:22	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/22/06 16:22	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/22/06 16:22	MCK	1634-04-4		
Naphthalene	9.3	ug/l	1.0	07/22/06 16:22	MCK	91-20-3		
Toluene	4.1	ug/l	1.0	07/22/06 16:22	MCK	108-88-3		
m&p-Xylene	5.4	ug/l	2.0	07/22/06 16:22	MCK			
o-Xylene	2.8	ug/l	1.0	07/22/06 16:22	MCK	95-47-6		
Toluene-d8 (S)	97	%		07/22/06 16:22	MCK	2037-26-5		
4-Bromofluorobenzene (S)	99	%		07/22/06 16:22	MCK	460-00-4		
Dibromofluoromethane (S)	105	%		07/22/06 16:22	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	106	%		07/22/06 16:22	MCK	17060-07-0		

Date: 08/10/06

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202309 Project Sample Number: 92123332-003 Date Collected: 07/11/06 12:40
Client Sample ID: MW42 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/19/06 23:51	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	88	%		07/19/06 23:51	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/21/06 09:36	MCK	994-05-8		
tert-Amyl Alcohol	360	ug/l	10.	07/21/06 09:36	MCK	75-85-4		
Benzene	3.2	ug/l	1.0	07/21/06 09:36	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/21/06 09:36	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/21/06 09:36	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/21/06 09:36	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/21/06 09:36	MCK	64-17-5		
Ethylbenzene	480	ug/l	20.	07/21/06 09:36	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/21/06 09:36	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/21/06 09:36	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/21/06 09:36	MCK	1634-04-4		
Naphthalene	270	ug/l	20.	07/21/06 09:36	MCK	91-20-3		
Toluene	860	ug/l	20.	07/21/06 09:36	MCK	108-88-3		
m&p-Xylene	2000	ug/l	40.	07/21/06 09:36	MCK			
o-Xylene	900	ug/l	20.	07/21/06 09:36	MCK	95-47-6		
Toluene-d8 (S)	98	%		07/21/06 09:36	MCK	2037-26-5		
4-Bromofluorobenzene (S)	99	%		07/21/06 09:36	MCK	460-00-4		
Dibromofluoromethane (S)	97	%		07/21/06 09:36	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	94	%		07/21/06 09:36	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202317 Project Sample Number: 92123332-004 Date Collected: 07/11/06 14:10
Client Sample ID: MW54 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 00:03	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	90	%		07/20/06 00:03	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/21/06 10:24	MCK	994-05-8		
tert-Amyl Alcohol	700	ug/l	10.	07/21/06 10:24	MCK	75-85-4		
Benzene	650	ug/l	10.	07/21/06 10:24	MCK	71-43-2		
3,3-Dimethyl-1-butanol	90.	ug/l	10.	07/21/06 10:24	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/21/06 10:24	MCK	762-75-4		
Diisopropyl ether	63.	ug/l	1.0	07/21/06 10:24	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/21/06 10:24	MCK	64-17-5		
Ethylbenzene	1.3	ug/l	1.0	07/21/06 10:24	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/21/06 10:24	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/21/06 10:24	MCK	75-65-0		
Methyl-tert-butyl ether	23.	ug/l	1.0	07/21/06 10:24	MCK	1634-04-4		
Naphthalene	4.9	ug/l	1.0	07/21/06 10:24	MCK	91-20-3		
Toluene	5.1	ug/l	1.0	07/21/06 10:24	MCK	108-88-3		
m&p-Xylene	7.7	ug/l	2.0	07/21/06 10:24	MCK			
o-Xylene	4.2	ug/l	1.0	07/21/06 10:24	MCK	95-47-6		
Toluene-d8 (S)	99	%		07/21/06 10:24	MCK	2037-26-5		
4-Bromofluorobenzene (S)	98	%		07/21/06 10:24	MCK	460-00-4		
Dibromofluoromethane (S)	97	%		07/21/06 10:24	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	95	%		07/21/06 10:24	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202325 Project Sample Number: 92123332-005 Date Collected: 07/11/06 12:50
Client Sample ID: MW11 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 00:15	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	99	%		07/20/06 00:15	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/22/06 03:16	MCK	994-05-8		
tert-Amyl Alcohol	2500	ug/l	10.	07/22/06 03:16	MCK	75-85-4		
Benzene	43.	ug/l	1.0	07/22/06 03:16	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/22/06 03:16	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/22/06 03:16	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/22/06 03:16	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/22/06 03:16	MCK	64-17-5		
Ethylbenzene	4.5	ug/l	1.0	07/22/06 03:16	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/22/06 03:16	MCK	637-92-3		
2-Methyl-2-propanol	110	ug/l	10.	07/22/06 03:16	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/22/06 03:16	MCK	1634-04-4		
Naphthalene	6.8	ug/l	1.0	07/22/06 03:16	MCK	91-20-3		
Toluene	35.	ug/l	1.0	07/22/06 03:16	MCK	108-88-3		
m&p-Xylene	13.	ug/l	2.0	07/22/06 03:16	MCK			
o-Xylene	9.6	ug/l	1.0	07/22/06 03:16	MCK	95-47-6		
Toluene-d8 (S)	98	%		07/22/06 03:16	MCK	2037-26-5		
4-Bromofluorobenzene (S)	97	%		07/22/06 03:16	MCK	460-00-4		
Dibromofluoromethane (S)	96	%		07/22/06 03:16	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	94	%		07/22/06 03:16	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202333 Project Sample Number: 92123332-006 Date Collected: 07/11/06 13:49
Client Sample ID: MW53 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 00:27	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	95	%		07/20/06 00:27	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/21/06 05:41	MCK	994-05-8		
tert-Amyl Alcohol	100	ug/l	10.	07/21/06 05:41	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/21/06 05:41	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/21/06 05:41	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/21/06 05:41	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/21/06 05:41	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/21/06 05:41	MCK	64-17-5		
Ethylbenzene	29.	ug/l	1.0	07/21/06 05:41	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/21/06 05:41	MCK	637-92-3		
2-Methyl-2-propanol	11.	ug/l	10.	07/21/06 05:41	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/21/06 05:41	MCK	1634-04-4		
Naphthalene	42.	ug/l	1.0	07/21/06 05:41	MCK	91-20-3		
Toluene	29.	ug/l	1.0	07/21/06 05:41	MCK	108-88-3		
m&p-Xylene	130	ug/l	2.0	07/21/06 05:41	MCK			
o-Xylene	63.	ug/l	1.0	07/21/06 05:41	MCK	95-47-6		
Toluene-d8 (S)	100	%		07/21/06 05:41	MCK	2037-26-5		
4-Bromofluorobenzene (S)	97	%		07/21/06 05:41	MCK	460-00-4		
Dibromofluoromethane (S)	94	%		07/21/06 05:41	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	92	%		07/21/06 05:41	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202341 Project Sample Number: 92123332-007 Date Collected: 07/11/06 09:36
Client Sample ID: MW55 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 00:39	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	98	%		07/20/06 00:39	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	8.3	ug/l	1.0	07/24/06 21:06	MCK	994-05-8		
tert-Amyl Alcohol	610	ug/l	10.	07/24/06 21:06	MCK	75-85-4		
Benzene	130	ug/l	1.0	07/24/06 21:06	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/24/06 21:06	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/24/06 21:06	MCK	762-75-4		
Diisopropyl ether	55.	ug/l	1.0	07/24/06 21:06	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/24/06 21:06	MCK	64-17-5		
Ethylbenzene	18.	ug/l	1.0	07/24/06 21:06	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/24/06 21:06	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/24/06 21:06	MCK	75-65-0		
Methyl-tert-butyl ether	190	ug/l	1.0	07/24/06 21:06	MCK	1634-04-4		
Naphthalene	19.	ug/l	1.0	07/24/06 21:06	MCK	91-20-3		
Toluene	3.4	ug/l	1.0	07/24/06 21:06	MCK	108-88-3		
m&p-Xylene	2.9	ug/l	2.0	07/24/06 21:06	MCK			
o-Xylene	1.5	ug/l	1.0	07/24/06 21:06	MCK	95-47-6		
Toluene-d8 (S)	95	%		07/24/06 21:06	MCK	2037-26-5		
4-Bromofluorobenzene (S)	94	%		07/24/06 21:06	MCK	460-00-4		
Dibromofluoromethane (S)	107	%		07/24/06 21:06	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	114	%		07/24/06 21:06	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202358 Project Sample Number: 92123332-008 Date Collected: 07/11/06 13:11
Client Sample ID: MW51 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 00:51	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	98	%		07/20/06 00:51	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/22/06 03:39	MCK	994-05-8		
tert-Amyl Alcohol	13.	ug/l	10.	07/22/06 03:39	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/22/06 03:39	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/22/06 03:39	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/22/06 03:39	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/22/06 03:39	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/22/06 03:39	MCK	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/22/06 03:39	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/22/06 03:39	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/22/06 03:39	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/22/06 03:39	MCK	1634-04-4		
Naphthalene	5.9	ug/l	1.0	07/22/06 03:39	MCK	91-20-3		
Toluene	1.3	ug/l	1.0	07/22/06 03:39	MCK	108-88-3		
m&p-Xylene	2.5	ug/l	2.0	07/22/06 03:39	MCK			
o-Xylene	1.1	ug/l	1.0	07/22/06 03:39	MCK	95-47-6		
Toluene-d8 (S)	98	%		07/22/06 03:39	MCK	2037-26-5		
4-Bromofluorobenzene (S)	97	%		07/22/06 03:39	MCK	460-00-4		
Dibromofluoromethane (S)	96	%		07/22/06 03:39	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	92	%		07/22/06 03:39	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202366 Project Sample Number: 92123332-009 Date Collected: 07/11/06 14:02
Client Sample ID: MW38 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 01:04	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	92	%		07/20/06 01:04	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/21/06 06:28	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/21/06 06:28	MCK	75-85-4		
Benzene	1.8	ug/l	1.0	07/21/06 06:28	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/21/06 06:28	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/21/06 06:28	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/21/06 06:28	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/21/06 06:28	MCK	64-17-5		
Ethylbenzene	5.8	ug/l	1.0	07/21/06 06:28	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/21/06 06:28	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/21/06 06:28	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/21/06 06:28	MCK	1634-04-4		
Naphthalene	8.2	ug/l	1.0	07/21/06 06:28	MCK	91-20-3		
Toluene	23.	ug/l	1.0	07/21/06 06:28	MCK	108-88-3		
m&p-Xylene	22.	ug/l	2.0	07/21/06 06:28	MCK			
o-Xylene	9.7	ug/l	1.0	07/21/06 06:28	MCK	95-47-6		
Toluene-d8 (S)	99	%		07/21/06 06:28	MCK	2037-26-5		
4-Bromofluorobenzene (S)	96	%		07/21/06 06:28	MCK	460-00-4		
Dibromofluoromethane (S)	98	%		07/21/06 06:28	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	97	%		07/21/06 06:28	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202374 Project Sample Number: 92123332-010 Date Collected: 07/11/06 07:51
Client Sample ID: DW6 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 01:16	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	90	%		07/20/06 01:16	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/21/06 06:51	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/21/06 06:51	MCK	75-85-4		
Benzene	1.5	ug/l	1.0	07/21/06 06:51	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/21/06 06:51	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/21/06 06:51	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/21/06 06:51	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/21/06 06:51	MCK	64-17-5		
Ethylbenzene	2.6	ug/l	1.0	07/21/06 06:51	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/21/06 06:51	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/21/06 06:51	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/21/06 06:51	MCK	1634-04-4		
Naphthalene	9.7	ug/l	1.0	07/21/06 06:51	MCK	91-20-3		
Toluene	9.3	ug/l	1.0	07/21/06 06:51	MCK	108-88-3		
m&p-Xylene	12.	ug/l	2.0	07/21/06 06:51	MCK			
o-Xylene	5.3	ug/l	1.0	07/21/06 06:51	MCK	95-47-6		
Toluene-d8 (S)	98	%		07/21/06 06:51	MCK	2037-26-5		
4-Bromofluorobenzene (S)	96	%		07/21/06 06:51	MCK	460-00-4		
Dibromofluoromethane (S)	97	%		07/21/06 06:51	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	92	%		07/21/06 06:51	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202382 Project Sample Number: 92123332-011 Date Collected: 07/11/06 11:16
Client Sample ID: MW49 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 02:09	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	96	%		07/20/06 02:09	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/21/06 07:15	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/21/06 07:15	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/21/06 07:15	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/21/06 07:15	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/21/06 07:15	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/21/06 07:15	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/21/06 07:15	MCK	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/21/06 07:15	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/21/06 07:15	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/21/06 07:15	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/21/06 07:15	MCK	1634-04-4		
Naphthalene	5.6	ug/l	1.0	07/21/06 07:15	MCK	91-20-3		
Toluene	2.3	ug/l	1.0	07/21/06 07:15	MCK	108-88-3		
m&p-Xylene	2.4	ug/l	2.0	07/21/06 07:15	MCK			
o-Xylene	ND	ug/l	1.0	07/21/06 07:15	MCK	95-47-6		
Toluene-d8 (S)	98	%		07/21/06 07:15	MCK	2037-26-5		
4-Bromofluorobenzene (S)	98	%		07/21/06 07:15	MCK	460-00-4		
Dibromofluoromethane (S)	96	%		07/21/06 07:15	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	92	%		07/21/06 07:15	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202390 Project Sample Number: 92123332-012 Date Collected: 07/11/06 07:21
Client Sample ID: MW40 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	0.32	ug/l	0.020	07/20/06 02:22	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	94	%		07/20/06 02:22	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/21/06 07:38	MCK	994-05-8		
tert-Amyl Alcohol	6100	ug/l	500	07/21/06 07:38	MCK	75-85-4		
Benzene	2000	ug/l	50.	07/21/06 07:38	MCK	71-43-2		
3,3-Dimethyl-1-butanol	80.	ug/l	10.	07/21/06 07:38	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/21/06 07:38	MCK	762-75-4		
Diisopropyl ether	71.	ug/l	1.0	07/21/06 07:38	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/21/06 07:38	MCK	64-17-5		
Ethylbenzene	1300	ug/l	50.	07/21/06 07:38	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/21/06 07:38	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/21/06 07:38	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/21/06 07:38	MCK	1634-04-4		
Naphthalene	630	ug/l	50.	07/21/06 07:38	MCK	91-20-3		
Toluene	15000	ug/l	100	07/21/06 07:38	MCK	108-88-3		
m&p-Xylene	6000	ug/l	100	07/21/06 07:38	MCK			
o-Xylene	2900	ug/l	50.	07/21/06 07:38	MCK	95-47-6		
Toluene-d8 (S)	79	%		07/21/06 07:38	MCK	2037-26-5		
4-Bromofluorobenzene (S)	99	%		07/21/06 07:38	MCK	460-00-4		
Dibromofluoromethane (S)	102	%		07/21/06 07:38	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	107	%		07/21/06 07:38	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202408 Project Sample Number: 92123332-013 Date Collected: 07/11/06 07:13
Client Sample ID: MW62 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 02:34	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	96	%		07/20/06 02:34	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/24/06 20:43	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/24/06 20:43	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/24/06 20:43	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/24/06 20:43	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/24/06 20:43	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/24/06 20:43	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/24/06 20:43	MCK	64-17-5		
Ethylbenzene	1.1	ug/l	1.0	07/24/06 20:43	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/24/06 20:43	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/24/06 20:43	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/24/06 20:43	MCK	1634-04-4		
Naphthalene	1.6	ug/l	1.0	07/24/06 20:43	MCK	91-20-3		
Toluene	ND	ug/l	1.0	07/24/06 20:43	MCK	108-88-3		
m&p-Xylene	4.8	ug/l	2.0	07/24/06 20:43	MCK			
o-Xylene	1.6	ug/l	1.0	07/24/06 20:43	MCK	95-47-6		
Toluene-d8 (S)	88	%		07/24/06 20:43	MCK	2037-26-5		
4-Bromofluorobenzene (S)	99	%		07/24/06 20:43	MCK	460-00-4		
Dibromofluoromethane (S)	106	%		07/24/06 20:43	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	112	%		07/24/06 20:43	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202416 Project Sample Number: 92123332-014 Date Collected: 07/11/06 08:53
Client Sample ID: MW66 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 02:46	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	81	%		07/20/06 02:46	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/22/06 04:03	MCK	994-05-8		
tert-Amyl Alcohol	14.	ug/l	10.	07/22/06 04:03	MCK	75-85-4		
Benzene	1.7	ug/l	1.0	07/22/06 04:03	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/22/06 04:03	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/22/06 04:03	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/22/06 04:03	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/22/06 04:03	MCK	64-17-5		
Ethylbenzene	2.5	ug/l	1.0	07/22/06 04:03	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/22/06 04:03	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/22/06 04:03	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/22/06 04:03	MCK	1634-04-4		
Naphthalene	7.5	ug/l	1.0	07/22/06 04:03	MCK	91-20-3		
Toluene	7.7	ug/l	1.0	07/22/06 04:03	MCK	108-88-3		
m&p-Xylene	8.4	ug/l	2.0	07/22/06 04:03	MCK			
o-Xylene	4.4	ug/l	1.0	07/22/06 04:03	MCK	95-47-6		
Toluene-d8 (S)	99	%		07/22/06 04:03	MCK	2037-26-5		
4-Bromofluorobenzene (S)	99	%		07/22/06 04:03	MCK	460-00-4		
Dibromofluoromethane (S)	92	%		07/22/06 04:03	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	90	%		07/22/06 04:03	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202424 Project Sample Number: 92123332-015 Date Collected: 07/11/06 10:00
Client Sample ID: MW43 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 02:58	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	97	%		07/20/06 02:58	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/22/06 04:26	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/22/06 04:26	MCK	75-85-4		
Benzene	1.1	ug/l	1.0	07/22/06 04:26	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/22/06 04:26	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/22/06 04:26	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/22/06 04:26	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/22/06 04:26	MCK	64-17-5		
Ethylbenzene	2.4	ug/l	1.0	07/22/06 04:26	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/22/06 04:26	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/22/06 04:26	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/22/06 04:26	MCK	1634-04-4		
Naphthalene	6.7	ug/l	1.0	07/22/06 04:26	MCK	91-20-3		
Toluene	11.	ug/l	1.0	07/22/06 04:26	MCK	108-88-3		
m&p-Xylene	9.1	ug/l	2.0	07/22/06 04:26	MCK			
o-Xylene	3.8	ug/l	1.0	07/22/06 04:26	MCK	95-47-6		
Toluene-d8 (S)	99	%		07/22/06 04:26	MCK	2037-26-5		
4-Bromofluorobenzene (S)	97	%		07/22/06 04:26	MCK	460-00-4		
Dibromofluoromethane (S)	88	%		07/22/06 04:26	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	91	%		07/22/06 04:26	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202432 Project Sample Number: 92123332-016 Date Collected: 07/11/06 10:42
Client Sample ID: MW47 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 03:10	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	94	%		07/20/06 03:10	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/22/06 04:49	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/22/06 04:49	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/22/06 04:49	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/22/06 04:49	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/22/06 04:49	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/22/06 04:49	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/22/06 04:49	MCK	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/22/06 04:49	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/22/06 04:49	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/22/06 04:49	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/22/06 04:49	MCK	1634-04-4		
Naphthalene	5.6	ug/l	1.0	07/22/06 04:49	MCK	91-20-3		
Toluene	3.1	ug/l	1.0	07/22/06 04:49	MCK	108-88-3		
m&p-Xylene	3.0	ug/l	2.0	07/22/06 04:49	MCK			
o-Xylene	1.2	ug/l	1.0	07/22/06 04:49	MCK	95-47-6		
Toluene-d8 (S)	99	%		07/22/06 04:49	MCK	2037-26-5		
4-Bromofluorobenzene (S)	99	%		07/22/06 04:49	MCK	460-00-4		
Dibromofluoromethane (S)	96	%		07/22/06 04:49	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	93	%		07/22/06 04:49	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202440 Project Sample Number: 92123332-017 Date Collected: 07/11/06 09:04
Client Sample ID: MW63 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 03:23	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	98	%		07/20/06 03:23	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/21/06 09:13	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/21/06 09:13	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/21/06 09:13	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/21/06 09:13	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/21/06 09:13	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/21/06 09:13	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/21/06 09:13	MCK	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/21/06 09:13	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/21/06 09:13	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/21/06 09:13	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/21/06 09:13	MCK	1634-04-4		
Naphthalene	6.0	ug/l	1.0	07/21/06 09:13	MCK	91-20-3		
Toluene	3.8	ug/l	1.0	07/21/06 09:13	MCK	108-88-3		
m&p-Xylene	3.8	ug/l	2.0	07/21/06 09:13	MCK			
o-Xylene	1.6	ug/l	1.0	07/21/06 09:13	MCK	95-47-6		
Toluene-d8 (S)	100	%		07/21/06 09:13	MCK	2037-26-5		
4-Bromofluorobenzene (S)	97	%		07/21/06 09:13	MCK	460-00-4		
Dibromofluoromethane (S)	94	%		07/21/06 09:13	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	93	%		07/21/06 09:13	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202457 Project Sample Number: 92123332-018 Date Collected: 07/11/06 11:00
Client Sample ID: MW48 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 03:35	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	94	%		07/20/06 03:35	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/22/06 17:34	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/22/06 17:34	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/22/06 17:34	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/22/06 17:34	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/22/06 17:34	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/22/06 17:34	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/22/06 17:34	MCK	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/22/06 17:34	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/22/06 17:34	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/22/06 17:34	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/22/06 17:34	MCK	1634-04-4		
Naphthalene	1.4	ug/l	1.0	07/22/06 17:34	MCK	91-20-3		
Toluene	3.9	ug/l	1.0	07/22/06 17:34	MCK	108-88-3		
m&p-Xylene	3.3	ug/l	2.0	07/22/06 17:34	MCK			
o-Xylene	1.5	ug/l	1.0	07/22/06 17:34	MCK	95-47-6		
Toluene-d8 (S)	102	%		07/22/06 17:34	MCK	2037-26-5		
4-Bromofluorobenzene (S)	100	%		07/22/06 17:34	MCK	460-00-4		
Dibromofluoromethane (S)	112	%		07/22/06 17:34	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	109	%		07/22/06 17:34	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202465 Project Sample Number: 92123332-019 Date Collected: 07/11/06 08:28
Client Sample ID: MW68 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 03:47	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	92	%		07/20/06 03:47	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/22/06 17:58	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/22/06 17:58	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/22/06 17:58	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/22/06 17:58	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/22/06 17:58	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/22/06 17:58	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/22/06 17:58	MCK	64-17-5		
Ethylbenzene	3.0	ug/l	1.0	07/22/06 17:58	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/22/06 17:58	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/22/06 17:58	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/22/06 17:58	MCK	1634-04-4		
Naphthalene	6.0	ug/l	1.0	07/22/06 17:58	MCK	91-20-3		
Toluene	11.	ug/l	1.0	07/22/06 17:58	MCK	108-88-3		
m&p-Xylene	13.	ug/l	2.0	07/22/06 17:58	MCK			
o-Xylene	5.2	ug/l	1.0	07/22/06 17:58	MCK	95-47-6		
Toluene-d8 (S)	92	%		07/22/06 17:58	MCK	2037-26-5		
4-Bromofluorobenzene (S)	99	%		07/22/06 17:58	MCK	460-00-4		
Dibromofluoromethane (S)	102	%		07/22/06 17:58	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	106	%		07/22/06 17:58	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202473 Project Sample Number: 92123332-020 Date Collected: 07/11/06 10:17
Client Sample ID: MW45 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 03:59	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	99	%		07/20/06 03:59	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/24/06 18:19	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/24/06 18:19	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/24/06 18:19	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/24/06 18:19	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/24/06 18:19	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/24/06 18:19	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/24/06 18:19	MCK	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/24/06 18:19	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/24/06 18:19	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/24/06 18:19	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/24/06 18:19	MCK	1634-04-4		
Naphthalene	2.1	ug/l	1.0	07/24/06 18:19	MCK	91-20-3		
Toluene	2.9	ug/l	1.0	07/24/06 18:19	MCK	108-88-3		
m&p-Xylene	3.0	ug/l	2.0	07/24/06 18:19	MCK			
o-Xylene	1.4	ug/l	1.0	07/24/06 18:19	MCK	95-47-6		
Toluene-d8 (S)	100	%		07/24/06 18:19	MCK	2037-26-5		
4-Bromofluorobenzene (S)	106	%		07/24/06 18:19	MCK	460-00-4		
Dibromofluoromethane (S)	107	%		07/24/06 18:19	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	111	%		07/24/06 18:19	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202481 Project Sample Number: 92123332-021 Date Collected: 07/11/06 08:42
Client Sample ID: MW64 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 05:31	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	95	%		07/20/06 05:31	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	28.	ug/l	10.	07/24/06 19:31	MCK	994-05-8		
tert-Amyl Alcohol	2200	ug/l	100	07/24/06 19:31	MCK	75-85-4		
Benzene	1600	ug/l	10.	07/24/06 19:31	MCK	71-43-2		
3,3-Dimethyl-1-butanol	1100	ug/l	100	07/24/06 19:31	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	200	07/24/06 19:31	MCK	762-75-4		
Diisopropyl ether	130	ug/l	10.	07/24/06 19:31	MCK	108-20-3		
Ethanol	ND	ug/l	200	07/24/06 19:31	MCK	64-17-5		
Ethylbenzene	330	ug/l	10.	07/24/06 19:31	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	100	07/24/06 19:31	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	100	07/24/06 19:31	MCK	75-65-0		
Methyl-tert-butyl ether	180	ug/l	10.	07/24/06 19:31	MCK	1634-04-4		
Naphthalene	170	ug/l	10.	07/24/06 19:31	MCK	91-20-3		
Toluene	53.	ug/l	10.	07/24/06 19:31	MCK	108-88-3		
m&p-Xylene	55.	ug/l	20.	07/24/06 19:31	MCK			
o-Xylene	13.	ug/l	10.	07/24/06 19:31	MCK	95-47-6		
Toluene-d8 (S)	98	%		07/24/06 19:31	MCK	2037-26-5		
4-Bromofluorobenzene (S)	96	%		07/24/06 19:31	MCK	460-00-4		
Dibromofluoromethane (S)	106	%		07/24/06 19:31	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	112	%		07/24/06 19:31	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202499 Project Sample Number: 92123332-022 Date Collected: 07/11/06 11:23
Client Sample ID: MW50 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 06:13	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	92	%		07/20/06 06:13	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/23/06 16:09	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/23/06 16:09	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/23/06 16:09	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/23/06 16:09	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/23/06 16:09	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/23/06 16:09	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/23/06 16:09	MCK	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/23/06 16:09	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/23/06 16:09	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/23/06 16:09	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/23/06 16:09	MCK	1634-04-4		
Naphthalene	1.3	ug/l	1.0	07/23/06 16:09	MCK	91-20-3		
Toluene	2.2	ug/l	1.0	07/23/06 16:09	MCK	108-88-3		
m&p-Xylene	3.2	ug/l	2.0	07/23/06 16:09	MCK			
o-Xylene	1.3	ug/l	1.0	07/23/06 16:09	MCK	95-47-6		
Toluene-d8 (S)	87	%		07/23/06 16:09	MCK	2037-26-5		
4-Bromofluorobenzene (S)	110	%		07/23/06 16:09	MCK	460-00-4		
Dibromofluoromethane (S)	110	%		07/23/06 16:09	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	120	%		07/23/06 16:09	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202507 Project Sample Number: 92123332-023 Date Collected: 07/11/06 10:08
Client Sample ID: MW44 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 06:43	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	97	%		07/20/06 06:43	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/23/06 16:33	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/23/06 16:33	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/23/06 16:33	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/23/06 16:33	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/23/06 16:33	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/23/06 16:33	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/23/06 16:33	MCK	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/23/06 16:33	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/23/06 16:33	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/23/06 16:33	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/23/06 16:33	MCK	1634-04-4		
Naphthalene	2.0	ug/l	1.0	07/23/06 16:33	MCK	91-20-3		
Toluene	3.6	ug/l	1.0	07/23/06 16:33	MCK	108-88-3		
m&p-Xylene	3.9	ug/l	2.0	07/23/06 16:33	MCK			
o-Xylene	1.6	ug/l	1.0	07/23/06 16:33	MCK	95-47-6		
Toluene-d8 (S)	94	%		07/23/06 16:33	MCK	2037-26-5		
4-Bromofluorobenzene (S)	98	%		07/23/06 16:33	MCK	460-00-4		
Dibromofluoromethane (S)	111	%		07/23/06 16:33	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	114	%		07/23/06 16:33	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202515 Project Sample Number: 92123332-024 Date Collected: 07/11/06 09:20
Client Sample ID: MW61 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 06:58	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	98	%		07/20/06 06:58	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/23/06 16:57	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/23/06 16:57	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/23/06 16:57	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/23/06 16:57	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/23/06 16:57	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/23/06 16:57	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/23/06 16:57	MCK	64-17-5		
Ethylbenzene	1.9	ug/l	1.0	07/23/06 16:57	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/23/06 16:57	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/23/06 16:57	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/23/06 16:57	MCK	1634-04-4		
Naphthalene	3.8	ug/l	1.0	07/23/06 16:57	MCK	91-20-3		
Toluene	6.7	ug/l	1.0	07/23/06 16:57	MCK	108-88-3		
m&p-Xylene	7.8	ug/l	2.0	07/23/06 16:57	MCK			
o-Xylene	3.3	ug/l	1.0	07/23/06 16:57	MCK	95-47-6		
Toluene-d8 (S)	98	%		07/23/06 16:57	MCK	2037-26-5		
4-Bromofluorobenzene (S)	100	%		07/23/06 16:57	MCK	460-00-4		
Dibromofluoromethane (S)	116	%		07/23/06 16:57	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	121	%		07/23/06 16:57	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202523 Project Sample Number: 92123332-025 Date Collected: 07/11/06 08:11
Client Sample ID: MW70 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 07:14	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	63	%		07/20/06 07:14	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/23/06 17:21	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/23/06 17:21	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/23/06 17:21	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/23/06 17:21	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/23/06 17:21	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/23/06 17:21	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/23/06 17:21	MCK	64-17-5		
Ethylbenzene	1.9	ug/l	1.0	07/23/06 17:21	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/23/06 17:21	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/23/06 17:21	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/23/06 17:21	MCK	1634-04-4		
Naphthalene	4.4	ug/l	1.0	07/23/06 17:21	MCK	91-20-3		
Toluene	7.2	ug/l	1.0	07/23/06 17:21	MCK	108-88-3		
m&p-Xylene	8.2	ug/l	2.0	07/23/06 17:21	MCK			
o-Xylene	3.6	ug/l	1.0	07/23/06 17:21	MCK	95-47-6		
Toluene-d8 (S)	80	%		07/23/06 17:21	MCK	2037-26-5		
4-Bromofluorobenzene (S)	95	%		07/23/06 17:21	MCK	460-00-4		
Dibromofluoromethane (S)	109	%		07/23/06 17:21	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	114	%		07/23/06 17:21	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202531 Project Sample Number: 92123332-026 Date Collected: 07/11/06 07:23
Client Sample ID: MW41 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 07:28	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	95	%		07/20/06 07:28	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/23/06 19:20	MCK	994-05-8		
tert-Amyl Alcohol	190	ug/l	10.	07/23/06 19:20	MCK	75-85-4		
Benzene	110	ug/l	1.0	07/23/06 19:20	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/23/06 19:20	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/23/06 19:20	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/23/06 19:20	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/23/06 19:20	MCK	64-17-5		
Ethylbenzene	160	ug/l	1.0	07/23/06 19:20	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/23/06 19:20	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/23/06 19:20	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/23/06 19:20	MCK	1634-04-4		
Naphthalene	93.	ug/l	1.0	07/23/06 19:20	MCK	91-20-3		
Toluene	700	ug/l	10.	07/23/06 19:20	MCK	108-88-3		
m&p-Xylene	670	ug/l	20.	07/23/06 19:20	MCK			
o-Xylene	190	ug/l	1.0	07/23/06 19:20	MCK	95-47-6		
Toluene-d8 (S)	100	%		07/23/06 19:20	MCK	2037-26-5		
4-Bromofluorobenzene (S)	96	%		07/23/06 19:20	MCK	460-00-4		
Dibromofluoromethane (S)	113	%		07/23/06 19:20	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	111	%		07/23/06 19:20	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202549 Project Sample Number: 92123332-027 Date Collected: 07/11/06 08:20
Client Sample ID: MW69 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 07:44	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	64	%		07/20/06 07:44	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/23/06 17:44	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/23/06 17:44	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/23/06 17:44	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/23/06 17:44	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/23/06 17:44	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/23/06 17:44	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/23/06 17:44	MCK	64-17-5		
Ethylbenzene	1.2	ug/l	1.0	07/23/06 17:44	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/23/06 17:44	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/23/06 17:44	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/23/06 17:44	MCK	1634-04-4		
Naphthalene	3.4	ug/l	1.0	07/23/06 17:44	MCK	91-20-3		
Toluene	4.2	ug/l	1.0	07/23/06 17:44	MCK	108-88-3		
m&p-Xylene	5.0	ug/l	2.0	07/23/06 17:44	MCK			
o-Xylene	2.1	ug/l	1.0	07/23/06 17:44	MCK	95-47-6		
Toluene-d8 (S)	98	%		07/23/06 17:44	MCK	2037-26-5		
4-Bromofluorobenzene (S)	100	%		07/23/06 17:44	MCK	460-00-4		
Dibromofluoromethane (S)	105	%		07/23/06 17:44	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	112	%		07/23/06 17:44	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202556 Project Sample Number: 92123332-028 Date Collected: 07/11/06 08:00
Client Sample ID: MW67 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 07:59	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	88	%		07/20/06 07:59	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/23/06 18:08	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/23/06 18:08	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/23/06 18:08	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/23/06 18:08	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/23/06 18:08	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/23/06 18:08	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/23/06 18:08	MCK	64-17-5		
Ethylbenzene	3.2	ug/l	1.0	07/23/06 18:08	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/23/06 18:08	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/23/06 18:08	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/23/06 18:08	MCK	1634-04-4		
Naphthalene	7.6	ug/l	1.0	07/23/06 18:08	MCK	91-20-3		
Toluene	11.	ug/l	1.0	07/23/06 18:08	MCK	108-88-3		
m&p-Xylene	14.	ug/l	2.0	07/23/06 18:08	MCK			
o-Xylene	6.2	ug/l	1.0	07/23/06 18:08	MCK	95-47-6		
Toluene-d8 (S)	100	%		07/23/06 18:08	MCK	2037-26-5		
4-Bromofluorobenzene (S)	97	%		07/23/06 18:08	MCK	460-00-4		
Dibromofluoromethane (S)	112	%		07/23/06 18:08	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	118	%		07/23/06 18:08	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202564 Project Sample Number: 92123332-029 Date Collected: 07/11/06 07:07
Client Sample ID: MW39 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	0.19	ug/l	0.020	07/20/06 08:14	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	93	%		07/20/06 08:14	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	200	07/23/06 18:56	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	2000	07/23/06 18:56	MCK	75-85-4		
Benzene	1500	ug/l	200	07/23/06 18:56	MCK	71-43-2		
3,3-Dimethyl-1-butanol	15000	ug/l	2000	07/23/06 18:56	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	4000	07/23/06 18:56	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	200	07/23/06 18:56	MCK	108-20-3		
Ethanol	ND	ug/l	4000	07/23/06 18:56	MCK	64-17-5		
Ethylbenzene	2000	ug/l	200	07/23/06 18:56	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	2000	07/23/06 18:56	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	2000	07/23/06 18:56	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	200	07/23/06 18:56	MCK	1634-04-4		
Naphthalene	1400	ug/l	200	07/23/06 18:56	MCK	91-20-3		
Toluene	19000	ug/l	200	07/23/06 18:56	MCK	108-88-3		
m&p-Xylene	9400	ug/l	400	07/23/06 18:56	MCK			
o-Xylene	4900	ug/l	200	07/23/06 18:56	MCK	95-47-6		
Toluene-d8 (S)	106	%		07/23/06 18:56	MCK	2037-26-5		
4-Bromofluorobenzene (S)	99	%		07/23/06 18:56	MCK	460-00-4		
Dibromofluoromethane (S)	108	%		07/23/06 18:56	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	118	%		07/23/06 18:56	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202572 Project Sample Number: 92123332-030 Date Collected: 07/11/06 13:00
Client Sample ID: MW52 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 08:29	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	95	%		07/20/06 08:29	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/24/06 18:43	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/24/06 18:43	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/24/06 18:43	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/24/06 18:43	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/24/06 18:43	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/24/06 18:43	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/24/06 18:43	MCK	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/24/06 18:43	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/24/06 18:43	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/24/06 18:43	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/24/06 18:43	MCK	1634-04-4		
Naphthalene	2.0	ug/l	1.0	07/24/06 18:43	MCK	91-20-3		
Toluene	1.7	ug/l	1.0	07/24/06 18:43	MCK	108-88-3		
m&p-Xylene	2.2	ug/l	2.0	07/24/06 18:43	MCK			
o-Xylene	1.0	ug/l	1.0	07/24/06 18:43	MCK	95-47-6		
Toluene-d8 (S)	100	%		07/24/06 18:43	MCK	2037-26-5		
4-Bromofluorobenzene (S)	94	%		07/24/06 18:43	MCK	460-00-4		
Dibromofluoromethane (S)	107	%		07/24/06 18:43	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	114	%		07/24/06 18:43	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202580 Project Sample Number: 92123332-031 Date Collected: 07/13/06 08:28
Client Sample ID: MW12 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 09:33	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	98	%		07/20/06 09:33	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/25/06 22:21	MSF	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/25/06 22:21	MSF	75-85-4		
Benzene	ND	ug/l	1.0	07/25/06 22:21	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/25/06 22:21	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/25/06 22:21	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/25/06 22:21	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/25/06 22:21	MSF	64-17-5		
Ethylbenzene	2.1	ug/l	1.0	07/25/06 22:21	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/25/06 22:21	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/25/06 22:21	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/25/06 22:21	MSF	1634-04-4		
Naphthalene	6.8	ug/l	1.0	07/25/06 22:21	MSF	91-20-3		
Toluene	8.2	ug/l	1.0	07/25/06 22:21	MSF	108-88-3		
m&p-Xylene	7.8	ug/l	2.0	07/25/06 22:21	MSF			
o-Xylene	3.2	ug/l	1.0	07/25/06 22:21	MSF	95-47-6		
Toluene-d8 (S)	98	%		07/25/06 22:21	MSF	2037-26-5		
4-Bromofluorobenzene (S)	97	%		07/25/06 22:21	MSF	460-00-4		
Dibromofluoromethane (S)	92	%		07/25/06 22:21	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	86	%		07/25/06 22:21	MSF	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202598 Project Sample Number: 92123332-032 Date Collected: 07/13/06 08:30
Client Sample ID: DW7 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 09:49	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	100	%		07/20/06 09:49	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/25/06 22:45	MSF	994-05-8		
tert-Amyl Alcohol	20.	ug/l	10.	07/25/06 22:45	MSF	75-85-4		
Benzene	3.5	ug/l	1.0	07/25/06 22:45	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/25/06 22:45	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/25/06 22:45	MSF	762-75-4		
Diisopropyl ether	2.1	ug/l	1.0	07/25/06 22:45	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/25/06 22:45	MSF	64-17-5		
Ethylbenzene	2.8	ug/l	1.0	07/25/06 22:45	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/25/06 22:45	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/25/06 22:45	MSF	75-65-0		
Methyl-tert-butyl ether	2.0	ug/l	1.0	07/25/06 22:45	MSF	1634-04-4		
Naphthalene	5.8	ug/l	1.0	07/25/06 22:45	MSF	91-20-3		
Toluene	8.9	ug/l	1.0	07/25/06 22:45	MSF	108-88-3		
m&p-Xylene	8.9	ug/l	2.0	07/25/06 22:45	MSF			
o-Xylene	3.9	ug/l	1.0	07/25/06 22:45	MSF	95-47-6		
Toluene-d8 (S)	98	%		07/25/06 22:45	MSF	2037-26-5		
4-Bromofluorobenzene (S)	96	%		07/25/06 22:45	MSF	460-00-4		
Dibromofluoromethane (S)	92	%		07/25/06 22:45	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	86	%		07/25/06 22:45	MSF	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202606 Project Sample Number: 92123332-033 Date Collected: 07/13/06 09:43
Client Sample ID: MW56 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 10:04	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	96	%		07/20/06 10:04	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/25/06 23:08	MSF	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/25/06 23:08	MSF	75-85-4		
Benzene	ND	ug/l	1.0	07/25/06 23:08	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/25/06 23:08	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/25/06 23:08	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/25/06 23:08	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/25/06 23:08	MSF	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/25/06 23:08	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/25/06 23:08	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/25/06 23:08	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/25/06 23:08	MSF	1634-04-4		
Naphthalene	5.3	ug/l	1.0	07/25/06 23:08	MSF	91-20-3		
Toluene	2.4	ug/l	1.0	07/25/06 23:08	MSF	108-88-3		
m&p-Xylene	2.2	ug/l	2.0	07/25/06 23:08	MSF			
o-Xylene	ND	ug/l	1.0	07/25/06 23:08	MSF	95-47-6		
Toluene-d8 (S)	99	%		07/25/06 23:08	MSF	2037-26-5		
4-Bromofluorobenzene (S)	94	%		07/25/06 23:08	MSF	460-00-4		
Dibromofluoromethane (S)	95	%		07/25/06 23:08	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	88	%		07/25/06 23:08	MSF	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202614 Project Sample Number: 92123332-034 Date Collected: 07/13/06 09:05
Client Sample ID: DW9 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 10:19	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	96	%		07/20/06 10:19	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/26/06 20:18	MSF	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/26/06 20:18	MSF	75-85-4		
Benzene	1.5	ug/l	1.0	07/26/06 20:18	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/26/06 20:18	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/26/06 20:18	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/26/06 20:18	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/26/06 20:18	MSF	64-17-5		
Ethylbenzene	1.7	ug/l	1.0	07/26/06 20:18	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/26/06 20:18	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/26/06 20:18	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/26/06 20:18	MSF	1634-04-4		
Naphthalene	5.7	ug/l	1.0	07/26/06 20:18	MSF	91-20-3		
Toluene	4.1	ug/l	1.0	07/26/06 20:18	MSF	108-88-3		
m&p-Xylene	4.3	ug/l	2.0	07/26/06 20:18	MSF			
o-Xylene	1.6	ug/l	1.0	07/26/06 20:18	MSF	95-47-6		
Toluene-d8 (S)	99	%		07/26/06 20:18	MSF	2037-26-5		
4-Bromofluorobenzene (S)	97	%		07/26/06 20:18	MSF	460-00-4		
Dibromofluoromethane (S)	96	%		07/26/06 20:18	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	91	%		07/26/06 20:18	MSF	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202622 Project Sample Number: 92123332-035 Date Collected: 07/13/06 10:40
Client Sample ID: MW59 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 10:35	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	98	%		07/20/06 10:35	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/26/06 16:46	MSF	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/26/06 16:46	MSF	75-85-4		
Benzene	ND	ug/l	1.0	07/26/06 16:46	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/26/06 16:46	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/26/06 16:46	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/26/06 16:46	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/26/06 16:46	MSF	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/26/06 16:46	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/26/06 16:46	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/26/06 16:46	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/26/06 16:46	MSF	1634-04-4		
Naphthalene	5.5	ug/l	1.0	07/26/06 16:46	MSF	91-20-3		
Toluene	2.4	ug/l	1.0	07/26/06 16:46	MSF	108-88-3		
m&p-Xylene	2.7	ug/l	2.0	07/26/06 16:46	MSF			
o-Xylene	1.1	ug/l	1.0	07/26/06 16:46	MSF	95-47-6		
Toluene-d8 (S)	98	%		07/26/06 16:46	MSF	2037-26-5		
4-Bromofluorobenzene (S)	96	%		07/26/06 16:46	MSF	460-00-4		
Dibromofluoromethane (S)	90	%		07/26/06 16:46	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	89	%		07/26/06 16:46	MSF	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202630 Project Sample Number: 92123332-036 Date Collected: 07/13/06 09:53
Client Sample ID: MW57 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	0.033	ug/l	0.020	07/20/06 10:51	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	100	%		07/20/06 10:51	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	110	ug/l	10.	07/26/06 17:09	MSF	994-05-8		
tert-Amyl Alcohol	5100	ug/l	100	07/26/06 17:09	MSF	75-85-4		
Benzene	8900	ug/l	100	07/26/06 17:09	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	100	07/26/06 17:09	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	200	07/26/06 17:09	MSF	762-75-4		
Diisopropyl ether	820	ug/l	10.	07/26/06 17:09	MSF	108-20-3		
Ethanol	ND	ug/l	200	07/26/06 17:09	MSF	64-17-5		
Ethylbenzene	1300	ug/l	10.	07/26/06 17:09	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	100	07/26/06 17:09	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	100	07/26/06 17:09	MSF	75-65-0		
Methyl-tert-butyl ether	1300	ug/l	10.	07/26/06 17:09	MSF	1634-04-4		
Naphthalene	290	ug/l	10.	07/26/06 17:09	MSF	91-20-3		
Toluene	8300	ug/l	100	07/26/06 17:09	MSF	108-88-3		
m&p-Xylene	3000	ug/l	20.	07/26/06 17:09	MSF			
o-Xylene	1500	ug/l	10.	07/26/06 17:09	MSF	95-47-6		
Toluene-d8 (S)	97	%		07/26/06 17:09	MSF	2037-26-5		
4-Bromofluorobenzene (S)	97	%		07/26/06 17:09	MSF	460-00-4		
Dibromofluoromethane (S)	95	%		07/26/06 17:09	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	90	%		07/26/06 17:09	MSF	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202648 Project Sample Number: 92123332-037 Date Collected: 07/13/06 10:28
Client Sample ID: DW8 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 11:06	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	99	%		07/20/06 11:06	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/26/06 16:14	MSF	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/26/06 16:14	MSF	75-85-4		
Benzene	1.4	ug/l	1.0	07/26/06 16:14	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/26/06 16:14	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/26/06 16:14	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/26/06 16:14	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/26/06 16:14	MSF	64-17-5		
Ethylbenzene	1.4	ug/l	1.0	07/26/06 16:14	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/26/06 16:14	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/26/06 16:14	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/26/06 16:14	MSF	1634-04-4		
Naphthalene	2.0	ug/l	1.0	07/26/06 16:14	MSF	91-20-3		
Toluene	5.3	ug/l	1.0	07/26/06 16:14	MSF	108-88-3		
m&p-Xylene	4.5	ug/l	2.0	07/26/06 16:14	MSF			
o-Xylene	1.9	ug/l	1.0	07/26/06 16:14	MSF	95-47-6		
Toluene-d8 (S)	99	%		07/26/06 16:14	MSF	2037-26-5		
4-Bromofluorobenzene (S)	96	%		07/26/06 16:14	MSF	460-00-4		
Dibromofluoromethane (S)	103	%		07/26/06 16:14	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	105	%		07/26/06 16:14	MSF	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202655 Project Sample Number: 92123332-038 Date Collected: 07/13/06 09:00
Client Sample ID: MW58 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 11:23	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	95	%		07/20/06 11:23	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	67.	ug/l	10.	07/26/06 17:55	MSF	994-05-8		
tert-Amyl Alcohol	5200	ug/l	100	07/26/06 17:55	MSF	75-85-4		
Benzene	5800	ug/l	50.	07/26/06 17:55	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	100	07/26/06 17:55	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	200	07/26/06 17:55	MSF	762-75-4		
Diisopropyl ether	490	ug/l	10.	07/26/06 17:55	MSF	108-20-3		
Ethanol	ND	ug/l	200	07/26/06 17:55	MSF	64-17-5		
Ethylbenzene	480	ug/l	10.	07/26/06 17:55	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	100	07/26/06 17:55	MSF	637-92-3		
2-Methyl-2-propanol	120	ug/l	100	07/26/06 17:55	MSF	75-65-0		
Methyl-tert-butyl ether	490	ug/l	10.	07/26/06 17:55	MSF	1634-04-4		
Naphthalene	300	ug/l	10.	07/26/06 17:55	MSF	91-20-3		
Toluene	87.	ug/l	10.	07/26/06 17:55	MSF	108-88-3		
m&p-Xylene	190	ug/l	20.	07/26/06 17:55	MSF			
o-Xylene	38.	ug/l	10.	07/26/06 17:55	MSF	95-47-6		
Toluene-d8 (S)	100	%		07/26/06 17:55	MSF	2037-26-5		
4-Bromofluorobenzene (S)	97	%		07/26/06 17:55	MSF	460-00-4		
Dibromofluoromethane (S)	103	%		07/26/06 17:55	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	100	%		07/26/06 17:55	MSF	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202663 Project Sample Number: 92123332-039 Date Collected: 07/13/06 10:00
Client Sample ID: SW1 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 11:39	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	99	%		07/20/06 11:39	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	31.	ug/l	5.0	07/27/06 17:25	MSF	994-05-8		
tert-Amyl Alcohol	2600	ug/l	50.	07/27/06 17:25	MSF	75-85-4		
Benzene	780	ug/l	10.	07/27/06 17:25	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	50.	07/27/06 17:25	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	100	07/27/06 17:25	MSF	762-75-4		
Diisopropyl ether	190	ug/l	5.0	07/27/06 17:25	MSF	108-20-3		
Ethanol	ND	ug/l	100	07/27/06 17:25	MSF	64-17-5		
Ethylbenzene	190	ug/l	5.0	07/27/06 17:25	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	50.	07/27/06 17:25	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	50.	07/27/06 17:25	MSF	75-65-0		
Methyl-tert-butyl ether	470	ug/l	5.0	07/27/06 17:25	MSF	1634-04-4		
Naphthalene	52.	ug/l	5.0	07/27/06 17:25	MSF	91-20-3		
Toluene	1000	ug/l	5.0	07/27/06 17:25	MSF	108-88-3		
m&p-Xylene	480	ug/l	10.	07/27/06 17:25	MSF			
o-Xylene	230	ug/l	5.0	07/27/06 17:25	MSF	95-47-6		
Toluene-d8 (S)	101	%		07/27/06 17:25	MSF	2037-26-5		
4-Bromofluorobenzene (S)	97	%		07/27/06 17:25	MSF	460-00-4		
Dibromofluoromethane (S)	111	%		07/27/06 17:25	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	131	%		07/27/06 17:25	MSF	17060-07-0	1	

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169060 Project Sample Number: 92122763-001 Date Collected: 06/29/06 11:25
Client Sample ID: RW1R Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	4.5	ug/l	0.40	07/09/06 16:46	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	96	%		07/09/06 16:46	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	25.	07/13/06 06:22	MCK	994-05-8		
tert-Amyl Alcohol	11000	ug/l	250	07/13/06 06:22	MCK	75-85-4		
Benzene	16000	ug/l	200	07/13/06 06:22	MCK	71-43-2		
3,3-Dimethyl-1-butanol	510	ug/l	250	07/13/06 06:22	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	500	07/13/06 06:22	MCK	762-75-4		
Diisopropyl ether	2000	ug/l	25.	07/13/06 06:22	MCK	108-20-3		
Ethanol	ND	ug/l	500	07/13/06 06:22	MCK	64-17-5		
Ethylbenzene	1700	ug/l	25.	07/13/06 06:22	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	250	07/13/06 06:22	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	2000	07/13/06 06:22	MCK	75-65-0		
Methyl-tert-butyl ether	2600	ug/l	25.	07/13/06 06:22	MCK	1634-04-4	1	
Naphthalene	710	ug/l	25.	07/13/06 06:22	MCK	91-20-3		
Toluene	25000	ug/l	200	07/13/06 06:22	MCK	108-88-3		
m&p-Xylene	6900	ug/l	50.	07/13/06 06:22	MCK			
o-Xylene	3500	ug/l	25.	07/13/06 06:22	MCK	95-47-6		
Toluene-d8 (S)	96	%		07/13/06 06:22	MCK	2037-26-5		
4-Bromofluorobenzene (S)	99	%		07/13/06 06:22	MCK	460-00-4		
Dibromofluoromethane (S)	98	%		07/13/06 06:22	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	94	%		07/13/06 06:22	MCK	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169078 Project Sample Number: 92122763-002 Date Collected: 06/29/06 11:50
Client Sample ID: MW25 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/09/06 17:29	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	95	%		07/09/06 17:29	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	100	07/13/06 07:09	MCK	994-05-8		
tert-Amyl Alcohol	7900	ug/l	1000	07/13/06 07:09	MCK	75-85-4		
Benzene	1400	ug/l	100	07/13/06 07:09	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	1000	07/13/06 07:09	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	2000	07/13/06 07:09	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	100	07/13/06 07:09	MCK	108-20-3		
Ethanol	ND	ug/l	2000	07/13/06 07:09	MCK	64-17-5		
Ethylbenzene	2300	ug/l	100	07/13/06 07:09	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	1000	07/13/06 07:09	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	1000	07/13/06 07:09	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	100	07/13/06 07:09	MCK	1634-04-4		
Naphthalene	1200	ug/l	100	07/13/06 07:09	MCK	91-20-3		
Toluene	11000	ug/l	100	07/13/06 07:09	MCK	108-88-3		
m&p-Xylene	12000	ug/l	200	07/13/06 07:09	MCK			
o-Xylene	5400	ug/l	100	07/13/06 07:09	MCK	95-47-6		
Toluene-d8 (S)	98	%		07/13/06 07:09	MCK	2037-26-5		
4-Bromofluorobenzene (S)	98	%		07/13/06 07:09	MCK	460-00-4		
Dibromofluoromethane (S)	95	%		07/13/06 07:09	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	92	%		07/13/06 07:09	MCK	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169086 Project Sample Number: 92122763-003 Date Collected: 06/29/06 11:30
Client Sample ID: PW1R Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	0.082	ug/l	0.020	07/09/06 17:57	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	95	%		07/09/06 17:57	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	10.	07/13/06 06:46	MCK	994-05-8		
tert-Amyl Alcohol	9500	ug/l	100	07/13/06 06:46	MCK	75-85-4		
Benzene	2500	ug/l	100	07/13/06 06:46	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	100	07/13/06 06:46	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	200	07/13/06 06:46	MCK	762-75-4		
Diisopropyl ether	360	ug/l	10.	07/13/06 06:46	MCK	108-20-3		
Ethanol	ND	ug/l	200	07/13/06 06:46	MCK	64-17-5		
Ethylbenzene	39.	ug/l	10.	07/13/06 06:46	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	100	07/13/06 06:46	MCK	637-92-3		
2-Methyl-2-propanol	1300	ug/l	1000	07/13/06 06:46	MCK	75-65-0		
Methyl-tert-butyl ether	1300	ug/l	10.	07/13/06 06:46	MCK	1634-04-4		
Naphthalene	160	ug/l	10.	07/13/06 06:46	MCK	91-20-3		
Toluene	2700	ug/l	100	07/13/06 06:46	MCK	108-88-3		
m&p-Xylene	1000	ug/l	20.	07/13/06 06:46	MCK			
o-Xylene	710	ug/l	10.	07/13/06 06:46	MCK	95-47-6		
Toluene-d8 (S)	98	%		07/13/06 06:46	MCK	2037-26-5		
4-Bromofluorobenzene (S)	99	%		07/13/06 06:46	MCK	460-00-4		
Dibromofluoromethane (S)	94	%		07/13/06 06:46	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	92	%		07/13/06 06:46	MCK	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169094 Project Sample Number: 92122763-004 Date Collected: 06/29/06 11:18
Client Sample ID: PW4 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	0.30	ug/l	0.020	07/09/06 18:11	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	94	%		07/09/06 18:11	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/13/06 12:18	MCK	994-05-8		
tert-Amyl Alcohol	520	ug/l	10.	07/13/06 12:18	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/13/06 12:18	MCK	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/13/06 12:18	MCK	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/13/06 12:18	MCK	762-75-4		
Diisopropyl ether	57.	ug/l	1.0	07/13/06 12:18	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/13/06 12:18	MCK	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/13/06 12:18	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/13/06 12:18	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/13/06 12:18	MCK	75-65-0		
Methyl-tert-butyl ether	110	ug/l	1.0	07/13/06 12:18	MCK	1634-04-4		
Naphthalene	6.0	ug/l	1.0	07/13/06 12:18	MCK	91-20-3		
Toluene	ND	ug/l	1.0	07/13/06 12:18	MCK	108-88-3		
m&p-Xylene	ND	ug/l	2.0	07/13/06 12:18	MCK			
o-Xylene	2.3	ug/l	1.0	07/13/06 12:18	MCK	95-47-6		
Toluene-d8 (S)	96	%		07/13/06 12:18	MCK	2037-26-5		
4-Bromofluorobenzene (S)	100	%		07/13/06 12:18	MCK	460-00-4		
Dibromofluoromethane (S)	93	%		07/13/06 12:18	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	93	%		07/13/06 12:18	MCK	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169102 Project Sample Number: 92122763-005 Date Collected: 06/29/06 09:26
Client Sample ID: MW2 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	94.	ug/l	20.	07/09/06 18:25	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	101	%		07/09/06 18:25	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	50.	ug/l	2.0	07/13/06 07:58	MSF	994-05-8		
tert-Amyl Alcohol	1700	ug/l	20.	07/13/06 07:58	MSF	75-85-4		
Benzene	12000	ug/l	100	07/13/06 07:58	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	20.	07/13/06 07:58	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	40.	07/13/06 07:58	MSF	762-75-4		
Diisopropyl ether	210	ug/l	2.0	07/13/06 07:58	MSF	108-20-3		
Ethanol	ND	ug/l	40.	07/13/06 07:58	MSF	64-17-5		
Ethylbenzene	2100	ug/l	100	07/13/06 07:58	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	20.	07/13/06 07:58	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	20.	07/13/06 07:58	MSF	75-65-0		
Methyl-tert-butyl ether	1700	ug/l	100	07/13/06 07:58	MSF	1634-04-4	1	
Naphthalene	460	ug/l	100	07/13/06 07:58	MSF	91-20-3		
Toluene	22000	ug/l	200	07/13/06 07:58	MSF	108-88-3		
m&p-Xylene	9100	ug/l	200	07/13/06 07:58	MSF			
o-Xylene	4700	ug/l	100	07/13/06 07:58	MSF	95-47-6		
Toluene-d8 (S)	90	%		07/13/06 07:58	MSF	2037-26-5		
4-Bromofluorobenzene (S)	101	%		07/13/06 07:58	MSF	460-00-4		
Dibromofluoromethane (S)	108	%		07/13/06 07:58	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	120	%		07/13/06 07:58	MSF	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169110 Project Sample Number: 92122763-006 Date Collected: 06/29/06 14:38
Client Sample ID: MW37 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	0.025	ug/l	0.020	07/09/06 18:37	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	98	%		07/09/06 18:37	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	20.	07/13/06 16:21	MSF	994-05-8		
tert-Amyl Alcohol	1700	ug/l	200	07/13/06 16:21	MSF	75-85-4		
Benzene	410	ug/l	20.	07/13/06 16:21	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	200	07/13/06 16:21	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	400	07/13/06 16:21	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	20.	07/13/06 16:21	MSF	108-20-3		
Ethanol	ND	ug/l	400	07/13/06 16:21	MSF	64-17-5		
Ethylbenzene	1300	ug/l	20.	07/13/06 16:21	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	200	07/13/06 16:21	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	200	07/13/06 16:21	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	20.	07/13/06 16:21	MSF	1634-04-4	1	
Naphthalene	390	ug/l	20.	07/13/06 16:21	MSF	91-20-3		
Toluene	1900	ug/l	20.	07/13/06 16:21	MSF	108-88-3		
m&p-Xylene	1600	ug/l	40.	07/13/06 16:21	MSF			
o-Xylene	950	ug/l	20.	07/13/06 16:21	MSF	95-47-6		
Toluene-d8 (S)	94	%		07/13/06 16:21	MSF	2037-26-5		
4-Bromofluorobenzene (S)	103	%		07/13/06 16:21	MSF	460-00-4		
Dibromofluoromethane (S)	98	%		07/13/06 16:21	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	101	%		07/13/06 16:21	MSF	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169128 Project Sample Number: 92122763-007 Date Collected: 06/29/06 10:35
Client Sample ID: MW7 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/09/06 18:51	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	99	%		07/09/06 18:51	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/13/06 02:48	MSF	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/13/06 02:48	MSF	75-85-4		
Benzene	ND	ug/l	1.0	07/13/06 02:48	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/13/06 02:48	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/13/06 02:48	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/13/06 02:48	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/13/06 02:48	MSF	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/13/06 02:48	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/13/06 02:48	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/13/06 02:48	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/13/06 02:48	MSF	1634-04-4		
Naphthalene	ND	ug/l	1.0	07/13/06 02:48	MSF	91-20-3		
Toluene	ND	ug/l	1.0	07/13/06 02:48	MSF	108-88-3		
m&p-Xylene	ND	ug/l	2.0	07/13/06 02:48	MSF			
o-Xylene	ND	ug/l	1.0	07/13/06 02:48	MSF	95-47-6		
Toluene-d8 (S)	87	%		07/13/06 02:48	MSF	2037-26-5		
4-Bromofluorobenzene (S)	105	%		07/13/06 02:48	MSF	460-00-4		
Dibromofluoromethane (S)	102	%		07/13/06 02:48	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	110	%		07/13/06 02:48	MSF	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169136 Project Sample Number: 92122763-008 Date Collected: 06/29/06 10:18
Client Sample ID: MW26 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/09/06 19:03	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	97	%		07/09/06 19:03	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/13/06 03:11	MSF	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/13/06 03:11	MSF	75-85-4		
Benzene	ND	ug/l	1.0	07/13/06 03:11	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/13/06 03:11	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/13/06 03:11	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/13/06 03:11	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/13/06 03:11	MSF	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/13/06 03:11	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/13/06 03:11	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/13/06 03:11	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/13/06 03:11	MSF	1634-04-4		
Naphthalene	ND	ug/l	1.0	07/13/06 03:11	MSF	91-20-3		
Toluene	ND	ug/l	1.0	07/13/06 03:11	MSF	108-88-3		
m&p-Xylene	ND	ug/l	2.0	07/13/06 03:11	MSF			
o-Xylene	ND	ug/l	1.0	07/13/06 03:11	MSF	95-47-6		
Toluene-d8 (S)	90	%		07/13/06 03:11	MSF	2037-26-5		
4-Bromofluorobenzene (S)	104	%		07/13/06 03:11	MSF	460-00-4		
Dibromofluoromethane (S)	100	%		07/13/06 03:11	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	104	%		07/13/06 03:11	MSF	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169144 Project Sample Number: 92122763-009 Date Collected: 06/29/06 10:28
Client Sample ID: MW8 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/09/06 19:16	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	97	%		07/09/06 19:16	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/13/06 03:35	MSF	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/13/06 03:35	MSF	75-85-4		
Benzene	ND	ug/l	1.0	07/13/06 03:35	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/13/06 03:35	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/13/06 03:35	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/13/06 03:35	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/13/06 03:35	MSF	64-17-5		
Ethylbenzene	1.1	ug/l	1.0	07/13/06 03:35	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/13/06 03:35	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/13/06 03:35	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/13/06 03:35	MSF	1634-04-4		
Naphthalene	1.4	ug/l	1.0	07/13/06 03:35	MSF	91-20-3		
Toluene	1.1	ug/l	1.0	07/13/06 03:35	MSF	108-88-3		
m&p-Xylene	ND	ug/l	2.0	07/13/06 03:35	MSF			
o-Xylene	3.7	ug/l	1.0	07/13/06 03:35	MSF	95-47-6		
Toluene-d8 (S)	86	%		07/13/06 03:35	MSF	2037-26-5		
4-Bromofluorobenzene (S)	108	%		07/13/06 03:35	MSF	460-00-4		
Dibromofluoromethane (S)	99	%		07/13/06 03:35	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	103	%		07/13/06 03:35	MSF	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169151 Project Sample Number: 92122763-010 Date Collected: 06/29/06 10:02
Client Sample ID: MW1 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/09/06 19:28	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	96	%		07/09/06 19:28	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/13/06 03:59	MSF	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/13/06 03:59	MSF	75-85-4		
Benzene	1.0	ug/l	1.0	07/13/06 03:59	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/13/06 03:59	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/13/06 03:59	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/13/06 03:59	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/13/06 03:59	MSF	64-17-5		
Ethylbenzene	2.5	ug/l	1.0	07/13/06 03:59	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/13/06 03:59	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/13/06 03:59	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/13/06 03:59	MSF	1634-04-4		
Naphthalene	4.4	ug/l	1.0	07/13/06 03:59	MSF	91-20-3		
Toluene	6.6	ug/l	1.0	07/13/06 03:59	MSF	108-88-3		
m&p-Xylene	12.	ug/l	2.0	07/13/06 03:59	MSF			
o-Xylene	7.0	ug/l	1.0	07/13/06 03:59	MSF	95-47-6		
Toluene-d8 (S)	92	%		07/13/06 03:59	MSF	2037-26-5		
4-Bromofluorobenzene (S)	101	%		07/13/06 03:59	MSF	460-00-4		
Dibromofluoromethane (S)	107	%		07/13/06 03:59	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	112	%		07/13/06 03:59	MSF	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169169 Project Sample Number: 92122763-011 Date Collected: 06/29/06 10:54
Client Sample ID: MW22 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/09/06 20:21	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	78	%		07/09/06 20:21	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	250	07/12/06 22:25	MSF	994-05-8		
tert-Amyl Alcohol	17000	ug/l	2500	07/12/06 22:25	MSF	75-85-4		
Benzene	16000	ug/l	250	07/12/06 22:25	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	2500	07/12/06 22:25	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	5000	07/12/06 22:25	MSF	762-75-4		
Diisopropyl ether	400	ug/l	250	07/12/06 22:25	MSF	108-20-3		
Ethanol	ND	ug/l	5000	07/12/06 22:25	MSF	64-17-5		
Ethylbenzene	5700	ug/l	250	07/12/06 22:25	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	2500	07/12/06 22:25	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	2500	07/12/06 22:25	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	250	07/12/06 22:25	MSF	1634-04-4		
Naphthalene	2300	ug/l	250	07/12/06 22:25	MSF	91-20-3		
Toluene	44000	ug/l	250	07/12/06 22:25	MSF	108-88-3		
m&p-Xylene	20000	ug/l	500	07/12/06 22:25	MSF			
o-Xylene	8600	ug/l	250	07/12/06 22:25	MSF	95-47-6		
Toluene-d8 (S)	96	%		07/12/06 22:25	MSF	2037-26-5		
4-Bromofluorobenzene (S)	102	%		07/12/06 22:25	MSF	460-00-4		
Dibromofluoromethane (S)	98	%		07/12/06 22:25	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	103	%		07/12/06 22:25	MSF	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169177 Project Sample Number: 92122763-012 Date Collected: 06/29/06 13:50
Client Sample ID: MW5 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	3.6	ug/l	0.20	07/09/06 20:34	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	95	%		07/09/06 20:34	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/13/06 04:23	MSF	994-05-8		
tert-Amyl Alcohol	580	ug/l	10.	07/13/06 04:23	MSF	75-85-4		
Benzene	670	ug/l	100	07/13/06 04:23	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/13/06 04:23	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/13/06 04:23	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/13/06 04:23	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/13/06 04:23	MSF	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/13/06 04:23	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/13/06 04:23	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/13/06 04:23	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/13/06 04:23	MSF	1634-04-4		
Naphthalene	510	ug/l	100	07/13/06 04:23	MSF	91-20-3		
Toluene	3600	ug/l	100	07/13/06 04:23	MSF	108-88-3		
m&p-Xylene	6000	ug/l	200	07/13/06 04:23	MSF			
o-Xylene	3800	ug/l	100	07/13/06 04:23	MSF	95-47-6		
Toluene-d8 (S)	92	%		07/13/06 04:23	MSF	2037-26-5		
4-Bromofluorobenzene (S)	102	%		07/13/06 04:23	MSF	460-00-4		
Dibromofluoromethane (S)	112	%		07/13/06 04:23	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	133	%		07/13/06 04:23	MSF	17060-07-0	2	

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169185 Project Sample Number: 92122763-013 Date Collected: 06/29/06 11:59
Client Sample ID: MW29 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/09/06 20:46	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	93	%		07/09/06 20:46	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/12/06 20:01	MSF	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/12/06 20:01	MSF	75-85-4		
Benzene	2.6	ug/l	1.0	07/12/06 20:01	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/12/06 20:01	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/12/06 20:01	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/12/06 20:01	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/12/06 20:01	MSF	64-17-5		
Ethylbenzene	5.8	ug/l	1.0	07/12/06 20:01	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/12/06 20:01	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/12/06 20:01	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/12/06 20:01	MSF	1634-04-4		
Naphthalene	13.	ug/l	1.0	07/12/06 20:01	MSF	91-20-3		
Toluene	18.	ug/l	1.0	07/12/06 20:01	MSF	108-88-3		
m&p-Xylene	30.	ug/l	2.0	07/12/06 20:01	MSF			
o-Xylene	14.	ug/l	1.0	07/12/06 20:01	MSF	95-47-6		
Toluene-d8 (S)	96	%		07/12/06 20:01	MSF	2037-26-5		
4-Bromofluorobenzene (S)	102	%		07/12/06 20:01	MSF	460-00-4		
Dibromofluoromethane (S)	100	%		07/12/06 20:01	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	104	%		07/12/06 20:01	MSF	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169193 Project Sample Number: 92122763-014 Date Collected: 06/29/06 12:04
Client Sample ID: MW23 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	0.21	ug/l	0.020	07/09/06 20:58	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	92	%		07/09/06 20:58	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	50.	07/12/06 22:49	MSF	994-05-8		
tert-Amyl Alcohol	4600	ug/l	500	07/12/06 22:49	MSF	75-85-4		
Benzene	2100	ug/l	50.	07/12/06 22:49	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	500	07/12/06 22:49	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	1000	07/12/06 22:49	MSF	762-75-4		
Diisopropyl ether	100	ug/l	50.	07/12/06 22:49	MSF	108-20-3		
Ethanol	ND	ug/l	1000	07/12/06 22:49	MSF	64-17-5		
Ethylbenzene	410	ug/l	50.	07/12/06 22:49	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	500	07/12/06 22:49	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	500	07/12/06 22:49	MSF	75-65-0		
Methyl-tert-butyl ether	230	ug/l	50.	07/12/06 22:49	MSF	1634-04-4		
Naphthalene	220	ug/l	50.	07/12/06 22:49	MSF	91-20-3		
Toluene	5700	ug/l	50.	07/12/06 22:49	MSF	108-88-3		
m&p-Xylene	2400	ug/l	100	07/12/06 22:49	MSF			
o-Xylene	1400	ug/l	50.	07/12/06 22:49	MSF	95-47-6		
Toluene-d8 (S)	96	%		07/12/06 22:49	MSF	2037-26-5		
4-Bromofluorobenzene (S)	101	%		07/12/06 22:49	MSF	460-00-4		
Dibromofluoromethane (S)	100	%		07/12/06 22:49	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	104	%		07/12/06 22:49	MSF	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169201 Project Sample Number: 92122763-015 Date Collected: 06/29/06 13:50
Client Sample ID: MW32 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/09/06 21:10	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	95	%		07/09/06 21:10	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	10.	07/13/06 16:45	MSF	994-05-8		
tert-Amyl Alcohol	4500	ug/l	100	07/13/06 16:45	MSF	75-85-4		
Benzene	410	ug/l	10.	07/13/06 16:45	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	100	07/13/06 16:45	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	200	07/13/06 16:45	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	10.	07/13/06 16:45	MSF	108-20-3		
Ethanol	ND	ug/l	200	07/13/06 16:45	MSF	64-17-5		
Ethylbenzene	370	ug/l	10.	07/13/06 16:45	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	100	07/13/06 16:45	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	100	07/13/06 16:45	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	10.	07/13/06 16:45	MSF	1634-04-4		
Naphthalene	160	ug/l	10.	07/13/06 16:45	MSF	91-20-3		
Toluene	850	ug/l	10.	07/13/06 16:45	MSF	108-88-3		
m&p-Xylene	1700	ug/l	20.	07/13/06 16:45	MSF			
o-Xylene	480	ug/l	10.	07/13/06 16:45	MSF	95-47-6		
Toluene-d8 (S)	96	%		07/13/06 16:45	MSF	2037-26-5		
4-Bromofluorobenzene (S)	103	%		07/13/06 16:45	MSF	460-00-4		
Dibromofluoromethane (S)	92	%		07/13/06 16:45	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	102	%		07/13/06 16:45	MSF	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169219 Project Sample Number: 92122763-016 Date Collected: 06/29/06 12:04
Client Sample ID: MW28 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/09/06 21:25	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	94	%		07/09/06 21:25	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/13/06 04:47	MSF	994-05-8		
tert-Amyl Alcohol	91.	ug/l	10.	07/13/06 04:47	MSF	75-85-4		
Benzene	10.	ug/l	1.0	07/13/06 04:47	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/13/06 04:47	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/13/06 04:47	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/13/06 04:47	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/13/06 04:47	MSF	64-17-5		
Ethylbenzene	8.7	ug/l	1.0	07/13/06 04:47	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/13/06 04:47	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/13/06 04:47	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/13/06 04:47	MSF	1634-04-4		
Naphthalene	35.	ug/l	1.0	07/13/06 04:47	MSF	91-20-3		
Toluene	44.	ug/l	1.0	07/13/06 04:47	MSF	108-88-3		
m&p-Xylene	47.	ug/l	2.0	07/13/06 04:47	MSF			
o-Xylene	25.	ug/l	1.0	07/13/06 04:47	MSF	95-47-6		
Toluene-d8 (S)	92	%		07/13/06 04:47	MSF	2037-26-5		
4-Bromofluorobenzene (S)	103	%		07/13/06 04:47	MSF	460-00-4		
Dibromofluoromethane (S)	104	%		07/13/06 04:47	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	110	%		07/13/06 04:47	MSF	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169227 Project Sample Number: 92122763-017 Date Collected: 06/29/06 13:40
Client Sample ID: MW30 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/09/06 21:39	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	94	%		07/09/06 21:39	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/13/06 15:09	MSF	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/13/06 15:09	MSF	75-85-4		
Benzene	2.8	ug/l	1.0	07/13/06 15:09	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/13/06 15:09	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/13/06 15:09	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/13/06 15:09	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/13/06 15:09	MSF	64-17-5		
Ethylbenzene	21.	ug/l	1.0	07/13/06 15:09	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/13/06 15:09	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/13/06 15:09	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/13/06 15:09	MSF	1634-04-4		
Naphthalene	50.	ug/l	1.0	07/13/06 15:09	MSF	91-20-3		
Toluene	28.	ug/l	1.0	07/13/06 15:09	MSF	108-88-3		
m&p-Xylene	84.	ug/l	2.0	07/13/06 15:09	MSF			
o-Xylene	45.	ug/l	1.0	07/13/06 15:09	MSF	95-47-6		
Toluene-d8 (S)	93	%		07/13/06 15:09	MSF	2037-26-5		
4-Bromofluorobenzene (S)	105	%		07/13/06 15:09	MSF	460-00-4		
Dibromofluoromethane (S)	94	%		07/13/06 15:09	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	99	%		07/13/06 15:09	MSF	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169235 Project Sample Number: 92122763-018 Date Collected: 06/29/06 14:13
Client Sample ID: MW34 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	0.18	ug/l	0.020	07/09/06 21:51	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	93	%		07/09/06 21:51	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/13/06 05:35	MSF	994-05-8		
tert-Amyl Alcohol	5400	ug/l	1000	07/13/06 05:35	MSF	75-85-4		
Benzene	1900	ug/l	100	07/13/06 05:35	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/13/06 05:35	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/13/06 05:35	MSF	762-75-4		
Diisopropyl ether	47.	ug/l	1.0	07/13/06 05:35	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/13/06 05:35	MSF	64-17-5		
Ethylbenzene	1500	ug/l	100	07/13/06 05:35	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/13/06 05:35	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/13/06 05:35	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/13/06 05:35	MSF	1634-04-4	1	
Naphthalene	400	ug/l	100	07/13/06 05:35	MSF	91-20-3		
Toluene	12000	ug/l	100	07/13/06 05:35	MSF	108-88-3		
m&p-Xylene	4900	ug/l	200	07/13/06 05:35	MSF			
o-Xylene	2300	ug/l	100	07/13/06 05:35	MSF	95-47-6		
Toluene-d8 (S)	84	%		07/13/06 05:35	MSF	2037-26-5		
4-Bromofluorobenzene (S)	104	%		07/13/06 05:35	MSF	460-00-4		
Dibromofluoromethane (S)	107	%		07/13/06 05:35	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	108	%		07/13/06 05:35	MSF	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169243 Project Sample Number: 92122763-019 Date Collected: 06/29/06 13:47
Client Sample ID: MW36 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/09/06 22:03	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	94	%		07/09/06 22:03	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/13/06 05:58	MSF	994-05-8		
tert-Amyl Alcohol	5400	ug/l	100	07/13/06 05:58	MSF	75-85-4		
Benzene	110	ug/l	1.0	07/13/06 05:58	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/13/06 05:58	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/13/06 05:58	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/13/06 05:58	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/13/06 05:58	MSF	64-17-5		
Ethylbenzene	730	ug/l	10.	07/13/06 05:58	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/13/06 05:58	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/13/06 05:58	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/13/06 05:58	MSF	1634-04-4		
Naphthalene	280	ug/l	10.	07/13/06 05:58	MSF	91-20-3		
Toluene	540	ug/l	10.	07/13/06 05:58	MSF	108-88-3		
m&p-Xylene	3000	ug/l	20.	07/13/06 05:58	MSF			
o-Xylene	1300	ug/l	10.	07/13/06 05:58	MSF	95-47-6		
Toluene-d8 (S)	94	%		07/13/06 05:58	MSF	2037-26-5		
4-Bromofluorobenzene (S)	103	%		07/13/06 05:58	MSF	460-00-4		
Dibromofluoromethane (S)	102	%		07/13/06 05:58	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	123	%		07/13/06 05:58	MSF	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169250 Project Sample Number: 92122763-020 Date Collected: 06/29/06 13:30
Client Sample ID: MW31 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/09/06 22:16	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	91	%		07/09/06 22:16	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/13/06 06:22	MSF	994-05-8		
tert-Amyl Alcohol	1600	ug/l	10.	07/13/06 06:22	MSF	75-85-4		
Benzene	100	ug/l	1.0	07/13/06 06:22	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/13/06 06:22	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/13/06 06:22	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/13/06 06:22	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/13/06 06:22	MSF	64-17-5		
Ethylbenzene	2.0	ug/l	1.0	07/13/06 06:22	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/13/06 06:22	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/13/06 06:22	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/13/06 06:22	MSF	1634-04-4	1	
Naphthalene	ND	ug/l	2.0	07/13/06 06:22	MSF	91-20-3		
Toluene	280	ug/l	2.0	07/13/06 06:22	MSF	108-88-3		
m&p-Xylene	210	ug/l	2.0	07/13/06 06:22	MSF			
o-Xylene	170	ug/l	1.0	07/13/06 06:22	MSF	95-47-6		
Toluene-d8 (S)	82	%		07/13/06 06:22	MSF	2037-26-5		
4-Bromofluorobenzene (S)	114	%		07/13/06 06:22	MSF	460-00-4	2	
Dibromofluoromethane (S)	96	%		07/13/06 06:22	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	109	%		07/13/06 06:22	MSF	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169268 Project Sample Number: 92122763-021 Date Collected: 06/29/06 08:49
Client Sample ID: MW6 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	2.4	ug/l	0.20	07/09/06 23:47	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	93	%		07/09/06 23:47	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	33.	ug/l	10.	07/13/06 08:45	MSF	994-05-8		
tert-Amyl Alcohol	1000	ug/l	100	07/13/06 08:45	MSF	75-85-4		
Benzene	970	ug/l	10.	07/13/06 08:45	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	100	07/13/06 08:45	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	200	07/13/06 08:45	MSF	762-75-4		
Diisopropyl ether	87.	ug/l	10.	07/13/06 08:45	MSF	108-20-3		
Ethanol	ND	ug/l	200	07/13/06 08:45	MSF	64-17-5		
Ethylbenzene	160	ug/l	10.	07/13/06 08:45	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	100	07/13/06 08:45	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	100	07/13/06 08:45	MSF	75-65-0		
Methyl-tert-butyl ether	3700	ug/l	50.	07/13/06 08:45	MSF	1634-04-4	1	
Naphthalene	210	ug/l	10.	07/13/06 08:45	MSF	91-20-3		
Toluene	190	ug/l	10.	07/13/06 08:45	MSF	108-88-3		
m&p-Xylene	450	ug/l	20.	07/13/06 08:45	MSF			
o-Xylene	75.	ug/l	10.	07/13/06 08:45	MSF	95-47-6		
Toluene-d8 (S)	95	%		07/13/06 08:45	MSF	2037-26-5		
4-Bromofluorobenzene (S)	102	%		07/13/06 08:45	MSF	460-00-4		
Dibromofluoromethane (S)	98	%		07/13/06 08:45	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	105	%		07/13/06 08:45	MSF	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169276 Project Sample Number: 92122763-022 Date Collected: 06/29/06 09:40
Client Sample ID: DW2 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	0.15	ug/l	0.020	07/10/06 00:23	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	94	%		07/10/06 00:23	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/13/06 17:09	MSF	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/13/06 17:09	MSF	75-85-4		
Benzene	27.	ug/l	1.0	07/13/06 17:09	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/13/06 17:09	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/13/06 17:09	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/13/06 17:09	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/13/06 17:09	MSF	64-17-5		
Ethylbenzene	16.	ug/l	1.0	07/13/06 17:09	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/13/06 17:09	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/13/06 17:09	MSF	75-65-0		
Methyl-tert-butyl ether	3.3	ug/l	1.0	07/13/06 17:09	MSF	1634-04-4		
Naphthalene	20.	ug/l	1.0	07/13/06 17:09	MSF	91-20-3		
Toluene	78.	ug/l	1.0	07/13/06 17:09	MSF	108-88-3		
m&p-Xylene	76.	ug/l	2.0	07/13/06 17:09	MSF			
o-Xylene	41.	ug/l	1.0	07/13/06 17:09	MSF	95-47-6		
Toluene-d8 (S)	95	%		07/13/06 17:09	MSF	2037-26-5		
4-Bromofluorobenzene (S)	105	%		07/13/06 17:09	MSF	460-00-4		
Dibromofluoromethane (S)	69	%		07/13/06 17:09	MSF	1868-53-7	3	
1,2-Dichloroethane-d4 (S)	99	%		07/13/06 17:09	MSF	17060-07-0		

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Fax: 828.252.4618

Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169284 Project Sample Number: 92122763-023 Date Collected: 06/29/06 10:08
Client Sample ID: MW4 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/10/06 00:48	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	97	%		07/10/06 00:48	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/13/06 15:33	MSF	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/13/06 15:33	MSF	75-85-4		
Benzene	1.4	ug/l	1.0	07/13/06 15:33	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/13/06 15:33	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/13/06 15:33	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/13/06 15:33	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/13/06 15:33	MSF	64-17-5		
Ethylbenzene	2.4	ug/l	1.0	07/13/06 15:33	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/13/06 15:33	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/13/06 15:33	MSF	75-65-0		
Methyl-tert-butyl ether	2.3	ug/l	1.0	07/13/06 15:33	MSF	1634-04-4		
Naphthalene	2.1	ug/l	1.0	07/13/06 15:33	MSF	91-20-3		
Toluene	7.8	ug/l	1.0	07/13/06 15:33	MSF	108-88-3		
m&p-Xylene	11.	ug/l	2.0	07/13/06 15:33	MSF			
o-Xylene	6.0	ug/l	1.0	07/13/06 15:33	MSF	95-47-6		
Toluene-d8 (S)	94	%		07/13/06 15:33	MSF	2037-26-5		
4-Bromofluorobenzene (S)	102	%		07/13/06 15:33	MSF	460-00-4		
Dibromofluoromethane (S)	96	%		07/13/06 15:33	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	100	%		07/13/06 15:33	MSF	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169292 Project Sample Number: 92122763-024 Date Collected: 06/29/06 14:03
Client Sample ID: MW33 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/10/06 01:00	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	89	%		07/10/06 01:00	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	50.	07/13/06 09:09	MSF	994-05-8		
tert-Amyl Alcohol	9100	ug/l	500	07/13/06 09:09	MSF	75-85-4		
Benzene	5500	ug/l	50.	07/13/06 09:09	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	500	07/13/06 09:09	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	1000	07/13/06 09:09	MSF	762-75-4		
Diisopropyl ether	170	ug/l	50.	07/13/06 09:09	MSF	108-20-3		
Ethanol	ND	ug/l	1000	07/13/06 09:09	MSF	64-17-5		
Ethylbenzene	1900	ug/l	50.	07/13/06 09:09	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	500	07/13/06 09:09	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	500	07/13/06 09:09	MSF	75-65-0		
Methyl-tert-butyl ether	72.	ug/l	50.	07/13/06 09:09	MSF	1634-04-4		
Naphthalene	650	ug/l	50.	07/13/06 09:09	MSF	91-20-3		
Toluene	18000	ug/l	200	07/13/06 09:09	MSF	108-88-3		
m&p-Xylene	8500	ug/l	100	07/13/06 09:09	MSF			
o-Xylene	3900	ug/l	50.	07/13/06 09:09	MSF	95-47-6		
Toluene-d8 (S)	95	%		07/13/06 09:09	MSF	2037-26-5		
4-Bromofluorobenzene (S)	102	%		07/13/06 09:09	MSF	460-00-4		
Dibromofluoromethane (S)	101	%		07/13/06 09:09	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	104	%		07/13/06 09:09	MSF	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169300 Project Sample Number: 92122763-025 Date Collected: 06/29/06 11:09
Client Sample ID: MW20 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	0.061	ug/l	0.020	07/10/06 01:12	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	92	%		07/10/06 01:12	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	530	ug/l	50.	07/13/06 09:33	MSF	994-05-8		
tert-Amyl Alcohol	3500	ug/l	500	07/13/06 09:33	MSF	75-85-4		
Benzene	18000	ug/l	250	07/13/06 09:33	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	500	07/13/06 09:33	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	1000	07/13/06 09:33	MSF	762-75-4		
Diisopropyl ether	2300	ug/l	50.	07/13/06 09:33	MSF	108-20-3		
Ethanol	ND	ug/l	1000	07/13/06 09:33	MSF	64-17-5		
Ethylbenzene	3500	ug/l	50.	07/13/06 09:33	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	500	07/13/06 09:33	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	500	07/13/06 09:33	MSF	75-65-0		
Methyl-tert-butyl ether	3000	ug/l	50.	07/13/06 09:33	MSF	1634-04-4	1	
Naphthalene	1400	ug/l	50.	07/13/06 09:33	MSF	91-20-3		
Toluene	32000	ug/l	250	07/13/06 09:33	MSF	108-88-3		
m&p-Xylene	12000	ug/l	100	07/13/06 09:33	MSF			
o-Xylene	5600	ug/l	50.	07/13/06 09:33	MSF	95-47-6		
Toluene-d8 (S)	96	%		07/13/06 09:33	MSF	2037-26-5		
4-Bromofluorobenzene (S)	103	%		07/13/06 09:33	MSF	460-00-4		
Dibromofluoromethane (S)	98	%		07/13/06 09:33	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	104	%		07/13/06 09:33	MSF	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169318 Project Sample Number: 92122763-026 Date Collected: 06/29/06 14:27
Client Sample ID: DW5 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/10/06 01:24	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	92	%		07/10/06 01:24	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/13/06 07:34	MSF	994-05-8		
tert-Amyl Alcohol	32.	ug/l	10.	07/13/06 07:34	MSF	75-85-4		
Benzene	8.0	ug/l	1.0	07/13/06 07:34	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/13/06 07:34	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/13/06 07:34	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/13/06 07:34	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/13/06 07:34	MSF	64-17-5		
Ethylbenzene	28.	ug/l	1.0	07/13/06 07:34	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/13/06 07:34	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/13/06 07:34	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/13/06 07:34	MSF	1634-04-4		
Naphthalene	77.	ug/l	1.0	07/13/06 07:34	MSF	91-20-3		
Toluene	97.	ug/l	1.0	07/13/06 07:34	MSF	108-88-3		
m&p-Xylene	100	ug/l	2.0	07/13/06 07:34	MSF			
o-Xylene	49.	ug/l	1.0	07/13/06 07:34	MSF	95-47-6		
Toluene-d8 (S)	94	%		07/13/06 07:34	MSF	2037-26-5		
4-Bromofluorobenzene (S)	102	%		07/13/06 07:34	MSF	460-00-4		
Dibromofluoromethane (S)	103	%		07/13/06 07:34	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	108	%		07/13/06 07:34	MSF	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169326 Project Sample Number: 92122763-027 Date Collected: 06/29/06 09:20
Client Sample ID: DW1 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/10/06 01:37	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	99	%		07/10/06 01:37	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/13/06 15:57	MSF	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/13/06 15:57	MSF	75-85-4		
Benzene	1.9	ug/l	1.0	07/13/06 15:57	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	10.	07/13/06 15:57	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	20.	07/13/06 15:57	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/13/06 15:57	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/13/06 15:57	MSF	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/13/06 15:57	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/13/06 15:57	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/13/06 15:57	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/13/06 15:57	MSF	1634-04-4	1	
Naphthalene	22.	ug/l	1.0	07/13/06 15:57	MSF	91-20-3		
Toluene	2.6	ug/l	1.0	07/13/06 15:57	MSF	108-88-3		
m&p-Xylene	5.4	ug/l	2.0	07/13/06 15:57	MSF			
o-Xylene	3.1	ug/l	1.0	07/13/06 15:57	MSF	95-47-6		
Toluene-d8 (S)	93	%		07/13/06 15:57	MSF	2037-26-5		
4-Bromofluorobenzene (S)	99	%		07/13/06 15:57	MSF	460-00-4		
Dibromofluoromethane (S)	86	%		07/13/06 15:57	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	100	%		07/13/06 15:57	MSF	17060-07-0		

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Lab Project Number: 92122763
Client Project ID: Clouds Chevron

Lab Sample No: 927169334 Project Sample Number: 92122763-028 Date Collected: 06/29/06 11:00
Client Sample ID: ARW5 Matrix: Water Date Received: 07/07/06 16:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/10/06 01:49	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	97	%		07/10/06 01:49	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	1200	ug/l	100	07/13/06 10:21	MSF	994-05-8		
tert-Amyl Alcohol	ND	ug/l	1000	07/13/06 10:21	MSF	75-85-4		
Benzene	23000	ug/l	250	07/13/06 10:21	MSF	71-43-2		
3,3-Dimethyl-1-butanol	ND	ug/l	1000	07/13/06 10:21	MSF	624-95-3		
tert-Butyl Formate	ND	ug/l	2000	07/13/06 10:21	MSF	762-75-4		
Diisopropyl ether	3200	ug/l	100	07/13/06 10:21	MSF	108-20-3		
Ethanol	ND	ug/l	2000	07/13/06 10:21	MSF	64-17-5		
Ethylbenzene	2500	ug/l	100	07/13/06 10:21	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	1000	07/13/06 10:21	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	1000	07/13/06 10:21	MSF	75-65-0		
Methyl-tert-butyl ether	2700	ug/l	100	07/13/06 10:21	MSF	1634-04-4	1	
Naphthalene	780	ug/l	100	07/13/06 10:21	MSF	91-20-3		
Toluene	30000	ug/l	250	07/13/06 10:21	MSF	108-88-3		
m&p-Xylene	9400	ug/l	200	07/13/06 10:21	MSF			
o-Xylene	4200	ug/l	100	07/13/06 10:21	MSF	95-47-6		
Toluene-d8 (S)	94	%		07/13/06 10:21	MSF	2037-26-5		
4-Bromofluorobenzene (S)	101	%		07/13/06 10:21	MSF	460-00-4		
Dibromofluoromethane (S)	98	%		07/13/06 10:21	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	108	%		07/13/06 10:21	MSF	17060-07-0		

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Page: of

896890

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: [illegible] Environmental Group	Report To: Timothy Cogar	Attention:
Address: [illegible] 456	Copy To: Same	Company Name:
[illegible] SC		Address:
Email To: [illegible]	Purchase Order No.:	Pace Quote Reference:
Phone: [illegible] 456-1551 Fax: Same	Project Name: Clouds Chevron	Pace Project Manager: FKM
Requested Due Date/TAT:	Project Number:	Pace Profile #: 2807 - 1

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER_____

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N) Requested Analysis: Alternative Health	EDD	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	MW1R					[illegible]	1125											✓	✓		92 122763
2	MW25						1150											✓	✓		9078
3	~~[illegible]~~						~~1150~~											✓			
4	MW1R						1130											✓	✓		9086
5	MW4						1118											✓	✓		9094
6	MW2						926											✓	✓		9102
7	MW3						1138											✓	✓		9110
8	MW7						1035											✓	✓		9128
9	MW20						1018											✓	✓		9136
10	MW8						1028											✓	✓		9144
11	MW1						1002											✓	✓		9151
12	MW22						1054											✓	✓		[illegible]

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
David D. [illegible]	7/7/06	1100	[illegible]	7-7-06	1100
[illegible]	7-7-06	1640	[illegible]	7/7/06	1640

SAMPLE CONDITION

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
50	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: David D. P. [illegible]

SIGNATURE of SAMPLER: [illegible]

DATE Signed (MM / DD / YY)

SEE REVERSE SIDE FOR INSTRUCTIONS

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Email To:	
Phone	Fax
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	
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Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis:	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	MW 5					7/6/06	1350														277
2	MW 9						1159														285
3	MW 3						1204														283
4	~~MW 1~~						450														
5	MW 2						1350														291
6	MW 8						1204														281
7	MW 30						1340														277
8	MW 34						1413														295
9	MW 36						1347														243
10	MW 31						1330														290
11	MW 6						849														260
12	DW 2						940														

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	7/7	1100		7-7-06	1100
	7-7-06	1640		7/06	1640

SAMPLE CONDITION

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY)

SEE REVERSE SIDE FOR INSTRUCTIONS

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of 896892

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Pathfinder Environmental Group	Report To: Danny Cooper	Attention:
Address: P.O. Box 438	Copy To: Same	Company Name:
Elgin SC		Address:
Email To: [illegible]@hellsmith.net	Purchase Order No.:	Pace Quote Reference:
Phone: 803-438-1331 Fax:	Project Name: Lands Chevron	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER_____

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

Filtered (Y/N)

Requested Analysis: TAX MTBE NAPK EDB

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	TAX MTBE NAPK EDB	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	MW4					7/29/06	1008											✓✓		284
2	MW33						1403											✓✓		212
3	~~MW34~~						~~1445~~											✓		
4	MW20						1109											✓✓		300
5	DW5						1427											✓✓		[illegible]
6	DW1						120											✓✓		120
7	ARW5						1100											✓✓		334
8																				
9																				
10																				
11																				
12																				

92122163

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[illegible]	7/7/06	1100	[illegible]	7-7-06	1100
[illegible]	7-7-06	1640			

SAMPLE CONDITION

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: David B. Pittman

SIGNATURE of SAMPLER: [illegible] DATE Signed (MM/DD/YY)

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Fax: 828.252.4618

Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202283 Project Sample Number: 92123332-001 Date Collected: 07/11/06 10:30
Client Sample ID: MW46 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/19/06 22:48	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	98	%		07/19/06 22:48	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/21/06 05:18	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/21/06 05:18	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/21/06 05:18	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/21/06 05:18	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/21/06 05:18	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/21/06 05:18	MCK	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/21/06 05:18	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/21/06 05:18	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/21/06 05:18	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/21/06 05:18	MCK	1634-04-4		
Naphthalene	5.6	ug/l	1.0	07/21/06 05:18	MCK	91-20-3		
Toluene	2.0	ug/l	1.0	07/21/06 05:18	MCK	108-88-3		
m&p-Xylene	2.2	ug/l	2.0	07/21/06 05:18	MCK			
o-Xylene	ND	ug/l	1.0	07/21/06 05:18	MCK	95-47-6		
Toluene-d8 (S)	97	%		07/21/06 05:18	MCK	2037-26-5		
4-Bromofluorobenzene (S)	98	%		07/21/06 05:18	MCK	460-00-4		
Dibromofluoromethane (S)	101	%		07/21/06 05:18	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	98	%		07/21/06 05:18	MCK	17060-07-0		

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Fax: 828.252.4618

Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202291 Project Sample Number: 92123332-002 Date Collected: 07/11/06 14:00
Client Sample ID: MW13 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/19/06 23:27	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	93	%		07/19/06 23:27	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/22/06 16:22	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/22/06 16:22	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/22/06 16:22	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/22/06 16:22	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/22/06 16:22	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/22/06 16:22	MCK	64-17-5		
Ethylbenzene	1.3	ug/l	1.0	07/22/06 16:22	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/22/06 16:22	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/22/06 16:22	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/22/06 16:22	MCK	1634-04-4		
Naphthalene	9.3	ug/l	1.0	07/22/06 16:22	MCK	91-20-3		
Toluene	4.1	ug/l	1.0	07/22/06 16:22	MCK	108-88-3		
m&p-Xylene	5.4	ug/l	2.0	07/22/06 16:22	MCK			
o-Xylene	2.8	ug/l	1.0	07/22/06 16:22	MCK	95-47-6		
Toluene-d8 (S)	97	%		07/22/06 16:22	MCK	2037-26-5		
4-Bromofluorobenzene (S)	99	%		07/22/06 16:22	MCK	460-00-4		
Dibromofluoromethane (S)	105	%		07/22/06 16:22	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	106	%		07/22/06 16:22	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202309 Project Sample Number: 92123332-003 Date Collected: 07/11/06 12:40
Client Sample ID: MW42 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/19/06 23:51	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	88	%		07/19/06 23:51	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/21/06 16:17	MCK	994-05-8		
tert-Amyl Alcohol	360	ug/l	10.	07/21/06 16:17	MCK	75-85-4		
Benzene	3.2	ug/l	1.0	07/21/06 16:17	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/21/06 16:17	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/21/06 16:17	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/21/06 16:17	MCK	64-17-5		
Ethylbenzene	480	ug/l	20.	07/21/06 16:17	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/21/06 16:17	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/21/06 16:17	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/21/06 16:17	MCK	1634-04-4		
Naphthalene	270	ug/l	20.	07/21/06 16:17	MCK	91-20-3		
Toluene	860	ug/l	20.	07/21/06 16:17	MCK	108-88-3		
m&p-Xylene	2000	ug/l	40.	07/21/06 16:17	MCK			
o-Xylene	900	ug/l	20.	07/21/06 16:17	MCK	95-47-6		
Toluene-d8 (S)	98	%		07/21/06 16:17	MCK	2037-26-5		
4-Bromofluorobenzene (S)	99	%		07/21/06 16:17	MCK	460-00-4		
Dibromofluoromethane (S)	97	%		07/21/06 16:17	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	94	%		07/21/06 16:17	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202317 Project Sample Number: 92123332-004 Date Collected: 07/11/06 14:10
Client Sample ID: MW54 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 00:03	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	90	%		07/20/06 00:03	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/21/06 17:04	MCK	994-05-8		
tert-Amyl Alcohol	700	ug/l	10.	07/21/06 17:04	MCK	75-85-4		
Benzene	650	ug/l	10.	07/21/06 17:04	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/21/06 17:04	MCK	762-75-4		
Diisopropyl ether	63.	ug/l	1.0	07/21/06 17:04	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/21/06 17:04	MCK	64-17-5		
Ethylbenzene	1.3	ug/l	1.0	07/21/06 17:04	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/21/06 17:04	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/21/06 17:04	MCK	75-65-0		
Methyl-tert-butyl ether	23.	ug/l	1.0	07/21/06 17:04	MCK	1634-04-4		
Naphthalene	4.9	ug/l	1.0	07/21/06 17:04	MCK	91-20-3		
Toluene	5.1	ug/l	1.0	07/21/06 17:04	MCK	108-88-3		
m&p-Xylene	7.7	ug/l	2.0	07/21/06 17:04	MCK			
o-Xylene	4.2	ug/l	1.0	07/21/06 17:04	MCK	95-47-6		
Toluene-d8 (S)	99	%		07/21/06 17:04	MCK	2037-26-5		
4-Bromofluorobenzene (S)	98	%		07/21/06 17:04	MCK	460-00-4		
Dibromofluoromethane (S)	97	%		07/21/06 17:04	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	95	%		07/21/06 17:04	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202325 Project Sample Number: 92123332-005 Date Collected: 07/11/06 12:50
Client Sample ID: MW11 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 00:15	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	99	%		07/20/06 00:15	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/22/06 03:16	MCK	994-05-8		
tert-Amyl Alcohol	2500	ug/l	10.	07/22/06 03:16	MCK	75-85-4		
Benzene	43.	ug/l	1.0	07/22/06 03:16	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/22/06 03:16	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/22/06 03:16	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/22/06 03:16	MCK	64-17-5		
Ethylbenzene	4.5	ug/l	1.0	07/22/06 03:16	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/22/06 03:16	MCK	637-92-3		
2-Methyl-2-propanol	110	ug/l	10.	07/22/06 03:16	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/22/06 03:16	MCK	1634-04-4		
Naphthalene	6.8	ug/l	1.0	07/22/06 03:16	MCK	91-20-3		
Toluene	35.	ug/l	1.0	07/22/06 03:16	MCK	108-88-3		
m&p-Xylene	13.	ug/l	2.0	07/22/06 03:16	MCK			
o-Xylene	9.6	ug/l	1.0	07/22/06 03:16	MCK	95-47-6		
Toluene-d8 (S)	98	%		07/22/06 03:16	MCK	2037-26-5		
4-Bromofluorobenzene (S)	97	%		07/22/06 03:16	MCK	460-00-4		
Dibromofluoromethane (S)	96	%		07/22/06 03:16	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	94	%		07/22/06 03:16	MCK	17060-07-0		

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SC 99030
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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202333 Project Sample Number: 92123332-006 Date Collected: 07/11/06 13:49
Client Sample ID: MW53 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 00:27	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	95	%		07/20/06 00:27	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/21/06 05:41	MCK	994-05-8		
tert-Amyl Alcohol	100	ug/l	10.	07/21/06 05:41	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/21/06 05:41	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/21/06 05:41	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/21/06 05:41	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/21/06 05:41	MCK	64-17-5		
Ethylbenzene	29.	ug/l	1.0	07/21/06 05:41	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/21/06 05:41	MCK	637-92-3		
2-Methyl-2-propanol	11.	ug/l	10.	07/21/06 05:41	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/21/06 05:41	MCK	1634-04-4		
Naphthalene	42.	ug/l	1.0	07/21/06 05:41	MCK	91-20-3		
Toluene	29.	ug/l	1.0	07/21/06 05:41	MCK	108-88-3		
m&p-Xylene	130	ug/l	2.0	07/21/06 05:41	MCK			
o-Xylene	63.	ug/l	1.0	07/21/06 05:41	MCK	95-47-6		
Toluene-d8 (S)	100	%		07/21/06 05:41	MCK	2037-26-5		
4-Bromofluorobenzene (S)	97	%		07/21/06 05:41	MCK	460-00-4		
Dibromofluoromethane (S)	94	%		07/21/06 05:41	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	92	%		07/21/06 05:41	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202341 Project Sample Number: 92123332-007 Date Collected: 07/11/06 09:36
Client Sample ID: MW55 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 00:39	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	98	%		07/20/06 00:39	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS, VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	8.3	ug/l	1.0	07/24/06 21:06	MCK	994-05-8		
tert-Amyl Alcohol	610	ug/l	10.	07/24/06 21:06	MCK	75-85-4		
Benzene	130	ug/l	1.0	07/24/06 21:06	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/24/06 21:06	MCK	762-75-4		
Diisopropyl ether	55.	ug/l	1.0	07/24/06 21:06	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/24/06 21:06	MCK	64-17-5		
Ethylbenzene	18.	ug/l	1.0	07/24/06 21:06	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/24/06 21:06	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/24/06 21:06	MCK	75-65-0		
Methyl-tert-butyl ether	190	ug/l	1.0	07/24/06 21:06	MCK	1634-04-4		
Naphthalene	19.	ug/l	1.0	07/24/06 21:06	MCK	91-20-3		
Toluene	3.4	ug/l	1.0	07/24/06 21:06	MCK	108-88-3		
m&p-Xylene	2.9	ug/l	2.0	07/24/06 21:06	MCK			
o-Xylene	1.5	ug/l	1.0	07/24/06 21:06	MCK	95-47-6		
Toluene-d8 (S)	95	%		07/24/06 21:06	MCK	2037-26-5		
4-Bromofluorobenzene (S)	94	%		07/24/06 21:06	MCK	460-00-4		
Dibromofluoromethane (S)	107	%		07/24/06 21:06	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	114	%		07/24/06 21:06	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202358 Project Sample Number: 92123332-008 Date Collected: 07/11/06 13:11
Client Sample ID: MW51 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 00:51	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	98	%		07/20/06 00:51	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/22/06 03:39	MCK	994-05-8		
tert-Amyl Alcohol	13.	ug/l	10.	07/22/06 03:39	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/22/06 03:39	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/22/06 03:39	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/22/06 03:39	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/22/06 03:39	MCK	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/22/06 03:39	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/22/06 03:39	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/22/06 03:39	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/22/06 03:39	MCK	1634-04-4		
Naphthalene	5.9	ug/l	1.0	07/22/06 03:39	MCK	91-20-3		
Toluene	1.3	ug/l	1.0	07/22/06 03:39	MCK	108-88-3		
m&p-Xylene	2.5	ug/l	2.0	07/22/06 03:39	MCK			
o-Xylene	1.1	ug/l	1.0	07/22/06 03:39	MCK	95-47-6		
Toluene-d8 (S)	98	%		07/22/06 03:39	MCK	2037-26-5		
4-Bromofluorobenzene (S)	97	%		07/22/06 03:39	MCK	460-00-4		
Dibromofluoromethane (S)	96	%		07/22/06 03:39	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	92	%		07/22/06 03:39	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202366 Project Sample Number: 92123332-009 Date Collected: 07/11/06 14:02
Client Sample ID: MW38 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 01:04	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	92	%		07/20/06 01:04	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/21/06 06:28	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/21/06 06:28	MCK	75-85-4		
Benzene	1.8	ug/l	1.0	07/21/06 06:28	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/21/06 06:28	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/21/06 06:28	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/21/06 06:28	MCK	64-17-5		
Ethylbenzene	5.8	ug/l	1.0	07/21/06 06:28	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/21/06 06:28	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/21/06 06:28	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/21/06 06:28	MCK	1634-04-4		
Naphthalene	8.2	ug/l	1.0	07/21/06 06:28	MCK	91-20-3		
Toluene	23.	ug/l	1.0	07/21/06 06:28	MCK	108-88-3		
m&p-Xylene	22.	ug/l	2.0	07/21/06 06:28	MCK			
o-Xylene	9.7	ug/l	1.0	07/21/06 06:28	MCK	95-47-6		
Toluene-d8 (S)	99	%		07/21/06 06:28	MCK	2037-26-5		
4-Bromofluorobenzene (S)	96	%		07/21/06 06:28	MCK	460-00-4		
Dibromofluoromethane (S)	98	%		07/21/06 06:28	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	97	%		07/21/06 06:28	MCK	17060-07-0		

Date: 07/28/06

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202374 Project Sample Number: 92123332-010 Date Collected: 07/11/06 07:51
Client Sample ID: DW6 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 01:16	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	90	%		07/20/06 01:16	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/21/06 06:51	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/21/06 06:51	MCK	75-85-4		
Benzene	1.5	ug/l	1.0	07/21/06 06:51	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/21/06 06:51	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/21/06 06:51	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/21/06 06:51	MCK	64-17-5		
Ethylbenzene	2.6	ug/l	1.0	07/21/06 06:51	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/21/06 06:51	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/21/06 06:51	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/21/06 06:51	MCK	1634-04-4		
Naphthalene	9.7	ug/l	1.0	07/21/06 06:51	MCK	91-20-3		
Toluene	9.3	ug/l	1.0	07/21/06 06:51	MCK	108-88-3		
m&p-Xylene	12.	ug/l	2.0	07/21/06 06:51	MCK			
o-Xylene	5.3	ug/l	1.0	07/21/06 06:51	MCK	95-47-6		
Toluene-d8 (S)	98	%		07/21/06 06:51	MCK	2037-26-5		
4-Bromofluorobenzene (S)	96	%		07/21/06 06:51	MCK	460-00-4		
Dibromofluoromethane (S)	97	%		07/21/06 06:51	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	92	%		07/21/06 06:51	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202382 Project Sample Number: 92123332-011 Date Collected: 07/11/06 11:16
Client Sample ID: MW49 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 02:09	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	96	%		07/20/06 02:09	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/21/06 07:15	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/21/06 07:15	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/21/06 07:15	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/21/06 07:15	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/21/06 07:15	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/21/06 07:15	MCK	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/21/06 07:15	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/21/06 07:15	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/21/06 07:15	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/21/06 07:15	MCK	1634-04-4		
Naphthalene	5.6	ug/l	1.0	07/21/06 07:15	MCK	91-20-3		
Toluene	2.3	ug/l	1.0	07/21/06 07:15	MCK	108-88-3		
m&p-Xylene	2.4	ug/l	2.0	07/21/06 07:15	MCK			
o-Xylene	ND	ug/l	1.0	07/21/06 07:15	MCK	95-47-6		
Toluene-d8 (S)	98	%		07/21/06 07:15	MCK	2037-26-5		
4-Bromofluorobenzene (S)	98	%		07/21/06 07:15	MCK	460-00-4		
Dibromofluoromethane (S)	96	%		07/21/06 07:15	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	92	%		07/21/06 07:15	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202390 Project Sample Number: 92123332-012 Date Collected: 07/11/06 07:21
Client Sample ID: MW40 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	0.32	ug/l	0.020	07/20/06 02:22	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	94	%		07/20/06 02:22	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	50.	07/22/06 16:46	MCK	994-05-8		
tert-Amyl Alcohol	6100	ug/l	500	07/22/06 16:46	MCK	75-85-4		
Benzene	2000	ug/l	50.	07/22/06 16:46	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	1000	07/22/06 16:46	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	50.	07/22/06 16:46	MCK	108-20-3		
Ethanol	ND	ug/l	1000	07/22/06 16:46	MCK	64-17-5		
Ethylbenzene	1300	ug/l	50.	07/22/06 16:46	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	500	07/22/06 16:46	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	500	07/22/06 16:46	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	50.	07/22/06 16:46	MCK	1634-04-4		
Naphthalene	630	ug/l	50.	07/22/06 16:46	MCK	91-20-3		
Toluene	15000	ug/l	100	07/22/06 16:46	MCK	108-88-3		
m&p-Xylene	6000	ug/l	100	07/22/06 16:46	MCK			
o-Xylene	2900	ug/l	50.	07/22/06 16:46	MCK	95-47-6		
Toluene-d8 (S)	98	%		07/22/06 16:46	MCK	2037-26-5		
4-Bromofluorobenzene (S)	97	%		07/22/06 16:46	MCK	460-00-4		
Dibromofluoromethane (S)	92	%		07/22/06 16:46	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	88	%		07/22/06 16:46	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202408 Project Sample Number: 92123332-013 Date Collected: 07/11/06 07:13
Client Sample ID: MW62 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 02:34	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	96	%		07/20/06 02:34	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/24/06 20:43	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/24/06 20:43	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/24/06 20:43	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/24/06 20:43	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/24/06 20:43	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/24/06 20:43	MCK	64-17-5		
Ethylbenzene	1.1	ug/l	1.0	07/24/06 20:43	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/24/06 20:43	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/24/06 20:43	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/24/06 20:43	MCK	1634-04-4		
Naphthalene	1.6	ug/l	1.0	07/24/06 20:43	MCK	91-20-3		
Toluene	ND	ug/l	1.0	07/24/06 20:43	MCK	108-88-3		
m&p-Xylene	4.8	ug/l	2.0	07/24/06 20:43	MCK			
o-Xylene	1.6	ug/l	1.0	07/24/06 20:43	MCK	95-47-6		
Toluene-d8 (S)	88	%		07/24/06 20:43	MCK	2037-26-5		
4-Bromofluorobenzene (S)	99	%		07/24/06 20:43	MCK	460-00-4		
Dibromofluoromethane (S)	106	%		07/24/06 20:43	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	112	%		07/24/06 20:43	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202416 Project Sample Number: 92123332-014 Date Collected: 07/11/06 08:53
Client Sample ID: MW66 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 02:46	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	81	%		07/20/06 02:46	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/22/06 04:03	MCK	994-05-8		
tert-Amyl Alcohol	14.	ug/l	10.	07/22/06 04:03	MCK	75-85-4		
Benzene	1.7	ug/l	1.0	07/22/06 04:03	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/22/06 04:03	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/22/06 04:03	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/22/06 04:03	MCK	64-17-5		
Ethylbenzene	2.5	ug/l	1.0	07/22/06 04:03	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/22/06 04:03	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/22/06 04:03	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/22/06 04:03	MCK	1634-04-4		
Naphthalene	7.5	ug/l	1.0	07/22/06 04:03	MCK	91-20-3		
Toluene	7.7	ug/l	1.0	07/22/06 04:03	MCK	108-88-3		
m&p-Xylene	8.4	ug/l	2.0	07/22/06 04:03	MCK			
o-Xylene	4.4	ug/l	1.0	07/22/06 04:03	MCK	95-47-6		
Toluene-d8 (S)	99	%		07/22/06 04:03	MCK	2037-26-5		
4-Bromofluorobenzene (S)	99	%		07/22/06 04:03	MCK	460-00-4		
Dibromofluoromethane (S)	92	%		07/22/06 04:03	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	90	%		07/22/06 04:03	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202424 Project Sample Number: 92123332-015 Date Collected: 07/11/06 10:00
Client Sample ID: MW43 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 02:58	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	97	%		07/20/06 02:58	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/22/06 04:26	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/22/06 04:26	MCK	75-85-4		
Benzene	1.1	ug/l	1.0	07/22/06 04:26	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/22/06 04:26	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/22/06 04:26	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/22/06 04:26	MCK	64-17-5		
Ethylbenzene	2.4	ug/l	1.0	07/22/06 04:26	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/22/06 04:26	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/22/06 04:26	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/22/06 04:26	MCK	1634-04-4		
Naphthalene	6.7	ug/l	1.0	07/22/06 04:26	MCK	91-20-3		
Toluene	11.	ug/l	1.0	07/22/06 04:26	MCK	108-88-3		
m&p-Xylene	9.1	ug/l	2.0	07/22/06 04:26	MCK			
o-Xylene	3.8	ug/l	1.0	07/22/06 04:26	MCK	95-47-6		
Toluene-d8 (S)	99	%		07/22/06 04:26	MCK	2037-26-5		
4-Bromofluorobenzene (S)	97	%		07/22/06 04:26	MCK	460-00-4		
Dibromofluoromethane (S)	88	%		07/22/06 04:26	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	91	%		07/22/06 04:26	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202432 Project Sample Number: 92123332-016 Date Collected: 07/11/06 10:42
Client Sample ID: MW47 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 03:10	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	94	%		07/20/06 03:10	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/22/06 04:49	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/22/06 04:49	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/22/06 04:49	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/22/06 04:49	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/22/06 04:49	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/22/06 04:49	MCK	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/22/06 04:49	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/22/06 04:49	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/22/06 04:49	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/22/06 04:49	MCK	1634-04-4		
Naphthalene	5.6	ug/l	1.0	07/22/06 04:49	MCK	91-20-3		
Toluene	3.1	ug/l	1.0	07/22/06 04:49	MCK	108-88-3		
m&p-Xylene	3.0	ug/l	2.0	07/22/06 04:49	MCK			
o-Xylene	1.2	ug/l	1.0	07/22/06 04:49	MCK	95-47-6		
Toluene-d8 (S)	99	%		07/22/06 04:49	MCK	2037-26-5		
4-Bromofluorobenzene (S)	99	%		07/22/06 04:49	MCK	460-00-4		
Dibromofluoromethane (S)	96	%		07/22/06 04:49	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	93	%		07/22/06 04:49	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202440 Project Sample Number: 92123332-017 Date Collected: 07/11/06 09:04
Client Sample ID: MW63 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 03:23	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	98	%		07/20/06 03:23	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/21/06 09:13	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/21/06 09:13	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/21/06 09:13	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/21/06 09:13	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/21/06 09:13	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/21/06 09:13	MCK	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/21/06 09:13	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/21/06 09:13	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/21/06 09:13	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/21/06 09:13	MCK	1634-04-4		
Naphthalene	6.0	ug/l	1.0	07/21/06 09:13	MCK	91-20-3		
Toluene	3.8	ug/l	1.0	07/21/06 09:13	MCK	108-88-3		
m&p-Xylene	3.8	ug/l	2.0	07/21/06 09:13	MCK			
o-Xylene	1.6	ug/l	1.0	07/21/06 09:13	MCK	95-47-6		
Toluene-d8 (S)	100	%		07/21/06 09:13	MCK	2037-26-5		
4-Bromofluorobenzene (S)	97	%		07/21/06 09:13	MCK	460-00-4		
Dibromofluoromethane (S)	94	%		07/21/06 09:13	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	93	%		07/21/06 09:13	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202457 Project Sample Number: 92123332-018 Date Collected: 07/11/06 11:00
Client Sample ID: MW48 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 03:35	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	94	%		07/20/06 03:35	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/22/06 17:34	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/22/06 17:34	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/22/06 17:34	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/22/06 17:34	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/22/06 17:34	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/22/06 17:34	MCK	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/22/06 17:34	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/22/06 17:34	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/22/06 17:34	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/22/06 17:34	MCK	1634-04-4		
Naphthalene	1.4	ug/l	1.0	07/22/06 17:34	MCK	91-20-3		
Toluene	3.9	ug/l	1.0	07/22/06 17:34	MCK	108-88-3		
m&p-Xylene	3.3	ug/l	2.0	07/22/06 17:34	MCK			
o-Xylene	1.5	ug/l	1.0	07/22/06 17:34	MCK	95-47-6		
Toluene-d8 (S)	102	%		07/22/06 17:34	MCK	2037-26-5		
4-Bromofluorobenzene (S)	100	%		07/22/06 17:34	MCK	460-00-4		
Dibromofluoromethane (S)	112	%		07/22/06 17:34	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	109	%		07/22/06 17:34	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202465 Project Sample Number: 92123332-019 Date Collected: 07/11/06 08:28
Client Sample ID: MW68 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 03:47	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	92	%		07/20/06 03:47	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/22/06 17:58	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/22/06 17:58	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/22/06 17:58	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/22/06 17:58	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/22/06 17:58	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/22/06 17:58	MCK	64-17-5		
Ethylbenzene	3.0	ug/l	1.0	07/22/06 17:58	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/22/06 17:58	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/22/06 17:58	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/22/06 17:58	MCK	1634-04-4		
Naphthalene	6.0	ug/l	1.0	07/22/06 17:58	MCK	91-20-3		
Toluene	11.	ug/l	1.0	07/22/06 17:58	MCK	108-88-3		
m&p-Xylene	13.	ug/l	2.0	07/22/06 17:58	MCK			
o-Xylene	5.2	ug/l	1.0	07/22/06 17:58	MCK	95-47-6		
Toluene-d8 (S)	92	%		07/22/06 17:58	MCK	2037-26-5		
4-Bromofluorobenzene (S)	99	%		07/22/06 17:58	MCK	460-00-4		
Dibromofluoromethane (S)	102	%		07/22/06 17:58	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	106	%		07/22/06 17:58	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202473 Project Sample Number: 92123332-020 Date Collected: 07/11/06 10:17
Client Sample ID: MW45 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 03:59	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	99	%		07/20/06 03:59	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/24/06 18:19	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/24/06 18:19	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/24/06 18:19	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/24/06 18:19	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/24/06 18:19	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/24/06 18:19	MCK	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/24/06 18:19	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/24/06 18:19	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/24/06 18:19	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/24/06 18:19	MCK	1634-04-4		
Naphthalene	2.1	ug/l	1.0	07/24/06 18:19	MCK	91-20-3		
Toluene	2.9	ug/l	1.0	07/24/06 18:19	MCK	108-88-3		
m&p-Xylene	3.0	ug/l	2.0	07/24/06 18:19	MCK			
o-Xylene	1.4	ug/l	1.0	07/24/06 18:19	MCK	95-47-6		
Toluene-d8 (S)	100	%		07/24/06 18:19	MCK	2037-26-5		
4-Bromofluorobenzene (S)	106	%		07/24/06 18:19	MCK	460-00-4		
Dibromofluoromethane (S)	107	%		07/24/06 18:19	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	111	%		07/24/06 18:19	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202481 Project Sample Number: 92123332-021 Date Collected: 07/11/06 08:42
Client Sample ID: MW64 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 05:31	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	95	%		07/20/06 05:31	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	28.	ug/l	10.	07/24/06 19:31	MCK	994-05-8		
tert-Amyl Alcohol	2200	ug/l	100	07/24/06 19:31	MCK	75-85-4		
Benzene	1600	ug/l	10.	07/24/06 19:31	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	200	07/24/06 19:31	MCK	762-75-4		
Diisopropyl ether	130	ug/l	10.	07/24/06 19:31	MCK	108-20-3		
Ethanol	ND	ug/l	200	07/24/06 19:31	MCK	64-17-5		
Ethylbenzene	330	ug/l	10.	07/24/06 19:31	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	100	07/24/06 19:31	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	100	07/24/06 19:31	MCK	75-65-0		
Methyl-tert-butyl ether	180	ug/l	10.	07/24/06 19:31	MCK	1634-04-4		
Naphthalene	170	ug/l	10.	07/24/06 19:31	MCK	91-20-3		
Toluene	53.	ug/l	10.	07/24/06 19:31	MCK	108-88-3		
m&p-Xylene	55.	ug/l	20.	07/24/06 19:31	MCK			
o-Xylene	13.	ug/l	10.	07/24/06 19:31	MCK	95-47-6		
Toluene-d8 (S)	98	%		07/24/06 19:31	MCK	2037-26-5		
4-Bromofluorobenzene (S)	96	%		07/24/06 19:31	MCK	460-00-4		
Dibromofluoromethane (S)	106	%		07/24/06 19:31	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	112	%		07/24/06 19:31	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202499 Project Sample Number: 92123332-022 Date Collected: 07/11/06 11:23
Client Sample ID: MW50 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 06:13	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	92	%		07/20/06 06:13	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/23/06 16:09	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/23/06 16:09	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/23/06 16:09	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/23/06 16:09	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/23/06 16:09	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/23/06 16:09	MCK	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/23/06 16:09	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/23/06 16:09	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/23/06 16:09	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/23/06 16:09	MCK	1634-04-4		
Naphthalene	1.3	ug/l	1.0	07/23/06 16:09	MCK	91-20-3		
Toluene	2.2	ug/l	1.0	07/23/06 16:09	MCK	108-88-3		
m&p-Xylene	3.2	ug/l	2.0	07/23/06 16:09	MCK			
o-Xylene	1.3	ug/l	1.0	07/23/06 16:09	MCK	95-47-6		
Toluene-d8 (S)	87	%		07/23/06 16:09	MCK	2037-26-5		
4-Bromofluorobenzene (S)	110	%		07/23/06 16:09	MCK	460-00-4		
Dibromofluoromethane (S)	110	%		07/23/06 16:09	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	120	%		07/23/06 16:09	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202507 Project Sample Number: 92123332-023 Date Collected: 07/11/06 10:08
Client Sample ID: MW44 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 06:43	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	97	%		07/20/06 06:43	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/23/06 16:33	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/23/06 16:33	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/23/06 16:33	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/23/06 16:33	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/23/06 16:33	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/23/06 16:33	MCK	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/23/06 16:33	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/23/06 16:33	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/23/06 16:33	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/23/06 16:33	MCK	1634-04-4		
Naphthalene	2.0	ug/l	1.0	07/23/06 16:33	MCK	91-20-3		
Toluene	3.6	ug/l	1.0	07/23/06 16:33	MCK	108-88-3		
m&p-Xylene	3.9	ug/l	2.0	07/23/06 16:33	MCK			
o-Xylene	1.6	ug/l	1.0	07/23/06 16:33	MCK	95-47-6		
Toluene-d8 (S)	94	%		07/23/06 16:33	MCK	2037-26-5		
4-Bromofluorobenzene (S)	98	%		07/23/06 16:33	MCK	460-00-4		
Dibromofluoromethane (S)	111	%		07/23/06 16:33	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	114	%		07/23/06 16:33	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202515 Project Sample Number: 92123332-024 Date Collected: 07/11/06 09:20
Client Sample ID: MW61 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 06:58	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	98	%		07/20/06 06:58	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/23/06 16:57	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/23/06 16:57	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/23/06 16:57	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/23/06 16:57	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/23/06 16:57	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/23/06 16:57	MCK	64-17-5		
Ethylbenzene	1.9	ug/l	1.0	07/23/06 16:57	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/23/06 16:57	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/23/06 16:57	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/23/06 16:57	MCK	1634-04-4		
Naphthalene	3.8	ug/l	1.0	07/23/06 16:57	MCK	91-20-3		
Toluene	6.7	ug/l	1.0	07/23/06 16:57	MCK	108-88-3		
m&p-Xylene	7.8	ug/l	2.0	07/23/06 16:57	MCK			
o-Xylene	3.3	ug/l	1.0	07/23/06 16:57	MCK	95-47-6		
Toluene-d8 (S)	98	%		07/23/06 16:57	MCK	2037-26-5		
4-Bromofluorobenzene (S)	100	%		07/23/06 16:57	MCK	460-00-4		
Dibromofluoromethane (S)	116	%		07/23/06 16:57	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	121	%		07/23/06 16:57	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202523 Project Sample Number: 92123332-025 Date Collected: 07/11/06 08:11
Client Sample ID: MW70 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 07:14	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	63	%		07/20/06 07:14	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/23/06 17:21	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/23/06 17:21	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/23/06 17:21	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/23/06 17:21	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/23/06 17:21	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/23/06 17:21	MCK	64-17-5		
Ethylbenzene	1.9	ug/l	1.0	07/23/06 17:21	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/23/06 17:21	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/23/06 17:21	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/23/06 17:21	MCK	1634-04-4		
Naphthalene	4.4	ug/l	1.0	07/23/06 17:21	MCK	91-20-3		
Toluene	7.2	ug/l	1.0	07/23/06 17:21	MCK	108-88-3		
m&p-Xylene	8.2	ug/l	2.0	07/23/06 17:21	MCK			
o-Xylene	3.6	ug/l	1.0	07/23/06 17:21	MCK	95-47-6		
Toluene-d8 (S)	80	%		07/23/06 17:21	MCK	2037-26-5		
4-Bromofluorobenzene (S)	95	%		07/23/06 17:21	MCK	460-00-4		
Dibromofluoromethane (S)	109	%		07/23/06 17:21	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	114	%		07/23/06 17:21	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202531 Project Sample Number: 92123332-026 Date Collected: 07/11/06 07:23
Client Sample ID: MW41 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 07:28	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	95	%		07/20/06 07:28	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/24/06 19:55	MCK	994-05-8		
tert-Amyl Alcohol	190	ug/l	10.	07/24/06 19:55	MCK	75-85-4		
Benzene	110	ug/l	1.0	07/24/06 19:55	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/24/06 19:55	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/24/06 19:55	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/24/06 19:55	MCK	64-17-5		
Ethylbenzene	160	ug/l	1.0	07/24/06 19:55	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/24/06 19:55	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/24/06 19:55	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/24/06 19:55	MCK	1634-04-4		
Naphthalene	93.	ug/l	1.0	07/24/06 19:55	MCK	91-20-3		
Toluene	700	ug/l	10.	07/24/06 19:55	MCK	108-88-3		
m&p-Xylene	670	ug/l	20.	07/24/06 19:55	MCK			
o-Xylene	190	ug/l	1.0	07/24/06 19:55	MCK	95-47-6		
Toluene-d8 (S)	100	%		07/24/06 19:55	MCK	2037-26-5		
4-Bromofluorobenzene (S)	96	%		07/24/06 19:55	MCK	460-00-4		
Dibromofluoromethane (S)	113	%		07/24/06 19:55	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	111	%		07/24/06 19:55	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202549 Project Sample Number: 92123332-027 Date Collected: 07/11/06 08:20
Client Sample ID: MW69 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 07:44	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	64	%		07/20/06 07:44	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/23/06 17:44	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/23/06 17:44	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/23/06 17:44	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/23/06 17:44	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/23/06 17:44	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/23/06 17:44	MCK	64-17-5		
Ethylbenzene	1.2	ug/l	1.0	07/23/06 17:44	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/23/06 17:44	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/23/06 17:44	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/23/06 17:44	MCK	1634-04-4		
Naphthalene	3.4	ug/l	1.0	07/23/06 17:44	MCK	91-20-3		
Toluene	4.2	ug/l	1.0	07/23/06 17:44	MCK	108-88-3		
m&p-Xylene	5.0	ug/l	2.0	07/23/06 17:44	MCK			
o-Xylene	2.1	ug/l	1.0	07/23/06 17:44	MCK	95-47-6		
Toluene-d8 (S)	98	%		07/23/06 17:44	MCK	2037-26-5		
4-Bromofluorobenzene (S)	100	%		07/23/06 17:44	MCK	460-00-4		
Dibromofluoromethane (S)	105	%		07/23/06 17:44	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	112	%		07/23/06 17:44	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202556
Client Sample ID: MW67

Project Sample Number: 92123332-028
Matrix: Water

Date Collected: 07/11/06 08:00
Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 07:59	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	88	%		07/20/06 07:59	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/23/06 18:08	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/23/06 18:08	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/23/06 18:08	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/23/06 18:08	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/23/06 18:08	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/23/06 18:08	MCK	64-17-5		
Ethylbenzene	3.2	ug/l	1.0	07/23/06 18:08	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/23/06 18:08	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/23/06 18:08	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/23/06 18:08	MCK	1634-04-4		
Naphthalene	7.6	ug/l	1.0	07/23/06 18:08	MCK	91-20-3		
Toluene	11.	ug/l	1.0	07/23/06 18:08	MCK	108-88-3		
m&p-Xylene	14.	ug/l	2.0	07/23/06 18:08	MCK			
o-Xylene	6.2	ug/l	1.0	07/23/06 18:08	MCK	95-47-6		
Toluene-d8 (S)	100	%		07/23/06 18:08	MCK	2037-26-5		
4-Bromofluorobenzene (S)	97	%		07/23/06 18:08	MCK	460-00-4		
Dibromofluoromethane (S)	112	%		07/23/06 18:08	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	118	%		07/23/06 18:08	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202564 Project Sample Number: 92123332-029 Date Collected: 07/11/06 07:07
Client Sample ID: MW39 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	0.19	ug/l	0.020	07/20/06 08:14	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	93	%		07/20/06 08:14	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	200	07/23/06 18:56	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	2000	07/23/06 18:56	MCK	75-85-4		
Benzene	1500	ug/l	200	07/23/06 18:56	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	4000	07/23/06 18:56	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	200	07/23/06 18:56	MCK	108-20-3		
Ethanol	ND	ug/l	4000	07/23/06 18:56	MCK	64-17-5		
Ethylbenzene	2000	ug/l	200	07/23/06 18:56	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	2000	07/23/06 18:56	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	2000	07/23/06 18:56	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	200	07/23/06 18:56	MCK	1634-04-4		
Naphthalene	1400	ug/l	200	07/23/06 18:56	MCK	91-20-3		
Toluene	19000	ug/l	200	07/23/06 18:56	MCK	108-88-3		
m&p-Xylene	9400	ug/l	400	07/23/06 18:56	MCK			
o-Xylene	4900	ug/l	200	07/23/06 18:56	MCK	95-47-6		
Toluene-d8 (S)	106	%		07/23/06 18:56	MCK	2037-26-5		
4-Bromofluorobenzene (S)	99	%		07/23/06 18:56	MCK	460-00-4		
Dibromofluoromethane (S)	108	%		07/23/06 18:56	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	118	%		07/23/06 18:56	MCK	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202622 Project Sample Number: 92123332-035 Date Collected: 07/13/06 10:40
Client Sample ID: MW59 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 10:35	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	98	%		07/20/06 10:35	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/26/06 16:46	MSF	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/26/06 16:46	MSF	75-85-4		
Benzene	ND	ug/l	1.0	07/26/06 16:46	MSF	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/26/06 16:46	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/26/06 16:46	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/26/06 16:46	MSF	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/26/06 16:46	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/26/06 16:46	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/26/06 16:46	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/26/06 16:46	MSF	1634-04-4		
Naphthalene	5.5	ug/l	1.0	07/26/06 16:46	MSF	91-20-3		
Toluene	2.4	ug/l	1.0	07/26/06 16:46	MSF	108-88-3		
m&p-Xylene	2.7	ug/l	2.0	07/26/06 16:46	MSF			
o-Xylene	1.1	ug/l	1.0	07/26/06 16:46	MSF	95-47-6		
Toluene-d8 (S)	98	%		07/26/06 16:46	MSF	2037-26-5		
4-Bromofluorobenzene (S)	96	%		07/26/06 16:46	MSF	460-00-4		
Dibromofluoromethane (S)	90	%		07/26/06 16:46	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	89	%		07/26/06 16:46	MSF	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202614 Project Sample Number: 92123332-034 Date Collected: 07/13/06 09:05
Client Sample ID: DW9 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 10:19	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	96	%		07/20/06 10:19	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/26/06 20:18	MSF	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/26/06 20:18	MSF	75-85-4		
Benzene	1.5	ug/l	1.0	07/26/06 20:18	MSF	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/26/06 20:18	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/26/06 20:18	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/26/06 20:18	MSF	64-17-5		
Ethylbenzene	1.7	ug/l	1.0	07/26/06 20:18	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/26/06 20:18	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/26/06 20:18	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/26/06 20:18	MSF	1634-04-4		
Naphthalene	5.7	ug/l	1.0	07/26/06 20:18	MSF	91-20-3		
Toluene	4.1	ug/l	1.0	07/26/06 20:18	MSF	108-88-3		
m&p-Xylene	4.3	ug/l	2.0	07/26/06 20:18	MSF			
o-Xylene	1.6	ug/l	1.0	07/26/06 20:18	MSF	95-47-6		
Toluene-d8 (S)	99	%		07/26/06 20:18	MSF	2037-26-5		
4-Bromofluorobenzene (S)	97	%		07/26/06 20:18	MSF	460-00-4		
Dibromofluoromethane (S)	96	%		07/26/06 20:18	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	91	%		07/26/06 20:18	MSF	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202606 Project Sample Number: 92123332-033 Date Collected: 07/13/06 09:43
Client Sample ID: MW56 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 10:04	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	96	%		07/20/06 10:04	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/25/06 23:08	MSF	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/25/06 23:08	MSF	75-85-4		
Benzene	ND	ug/l	1.0	07/25/06 23:08	MSF	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/25/06 23:08	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/25/06 23:08	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/25/06 23:08	MSF	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/25/06 23:08	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/25/06 23:08	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/25/06 23:08	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/25/06 23:08	MSF	1634-04-4		
Naphthalene	5.3	ug/l	1.0	07/25/06 23:08	MSF	91-20-3		
Toluene	2.4	ug/l	1.0	07/25/06 23:08	MSF	108-88-3		
m&p-Xylene	2.2	ug/l	2.0	07/25/06 23:08	MSF			
o-Xylene	ND	ug/l	1.0	07/25/06 23:08	MSF	95-47-6		
Toluene-d8 (S)	99	%		07/25/06 23:08	MSF	2037-26-5		
4-Bromofluorobenzene (S)	94	%		07/25/06 23:08	MSF	460-00-4		
Dibromofluoromethane (S)	95	%		07/25/06 23:08	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	88	%		07/25/06 23:08	MSF	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202598 Project Sample Number: 92123332-032 Date Collected: 07/13/06 08:30
Client Sample ID: DW7 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 09:49	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	100	%		07/20/06 09:49	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/25/06 22:45	MSF	994-05-8		
tert-Amyl Alcohol	20.	ug/l	10.	07/25/06 22:45	MSF	75-85-4		
Benzene	3.5	ug/l	1.0	07/25/06 22:45	MSF	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/25/06 22:45	MSF	762-75-4		
Diisopropyl ether	2.1	ug/l	1.0	07/25/06 22:45	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/25/06 22:45	MSF	64-17-5		
Ethylbenzene	2.8	ug/l	1.0	07/25/06 22:45	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/25/06 22:45	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/25/06 22:45	MSF	75-65-0		
Methyl-tert-butyl ether	2.0	ug/l	1.0	07/25/06 22:45	MSF	1634-04-4		
Naphthalene	5.8	ug/l	1.0	07/25/06 22:45	MSF	91-20-3		
Toluene	8.9	ug/l	1.0	07/25/06 22:45	MSF	108-88-3		
m&p-Xylene	8.9	ug/l	2.0	07/25/06 22:45	MSF			
o-Xylene	3.9	ug/l	1.0	07/25/06 22:45	MSF	95-47-6		
Toluene-d8 (S)	98	%		07/25/06 22:45	MSF	2037-26-5		
4-Bromofluorobenzene (S)	96	%		07/25/06 22:45	MSF	460-00-4		
Dibromofluoromethane (S)	92	%		07/25/06 22:45	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	86	%		07/25/06 22:45	MSF	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202580 Project Sample Number: 92123332-031 Date Collected: 07/13/06 08:28
Client Sample ID: MW12 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 09:33	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	98	%		07/20/06 09:33	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/25/06 22:21	MSF	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/25/06 22:21	MSF	75-85-4		
Benzene	ND	ug/l	1.0	07/25/06 22:21	MSF	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/25/06 22:21	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/25/06 22:21	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/25/06 22:21	MSF	64-17-5		
Ethylbenzene	2.1	ug/l	1.0	07/25/06 22:21	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/25/06 22:21	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/25/06 22:21	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/25/06 22:21	MSF	1634-04-4		
Naphthalene	6.8	ug/l	1.0	07/25/06 22:21	MSF	91-20-3		
Toluene	8.2	ug/l	1.0	07/25/06 22:21	MSF	108-88-3		
m&p-Xylene	7.8	ug/l	2.0	07/25/06 22:21	MSF			
o-Xylene	3.2	ug/l	1.0	07/25/06 22:21	MSF	95-47-6		
Toluene-d8 (S)	98	%		07/25/06 22:21	MSF	2037-26-5		
4-Bromofluorobenzene (S)	97	%		07/25/06 22:21	MSF	460-00-4		
Dibromofluoromethane (S)	92	%		07/25/06 22:21	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	86	%		07/25/06 22:21	MSF	17060-07-0		

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Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202572 Project Sample Number: 92123332-030 Date Collected: 07/11/06 13:00
Client Sample ID: MW52 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 08:29	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	95	%		07/20/06 08:29	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/24/06 18:43	MCK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/24/06 18:43	MCK	75-85-4		
Benzene	ND	ug/l	1.0	07/24/06 18:43	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/24/06 18:43	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/24/06 18:43	MCK	108-20-3		
Ethanol	ND	ug/l	20.	07/24/06 18:43	MCK	64-17-5		
Ethylbenzene	ND	ug/l	1.0	07/24/06 18:43	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/24/06 18:43	MCK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/24/06 18:43	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/24/06 18:43	MCK	1634-04-4		
Naphthalene	2.0	ug/l	1.0	07/24/06 18:43	MCK	91-20-3		
Toluene	1.7	ug/l	1.0	07/24/06 18:43	MCK	108-88-3		
m&p-Xylene	2.2	ug/l	2.0	07/24/06 18:43	MCK			
o-Xylene	1.0	ug/l	1.0	07/24/06 18:43	MCK	95-47-6		
Toluene-d8 (S)	100	%		07/24/06 18:43	MCK	2037-26-5		
4-Bromofluorobenzene (S)	94	%		07/24/06 18:43	MCK	460-00-4		
Dibromofluoromethane (S)	107	%		07/24/06 18:43	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	114	%		07/24/06 18:43	MCK	17060-07-0		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

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NC Drinking Water 37706
SC 99006
FL NELAP E87627

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Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202630 Project Sample Number: 92123332-036 Date Collected: 07/13/06 09:53
Client Sample ID: MW57 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	0.033	ug/l	0.020	07/20/06 10:51	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	100	%		07/20/06 10:51	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	110	ug/l	10.	07/27/06 17:49	MSF	994-05-8		
tert-Amyl Alcohol	5100	ug/l	100	07/27/06 17:49	MSF	75-85-4		
Benzene	8900	ug/l	100	07/27/06 17:49	MSF	71-43-2		
tert-Butyl Formate	ND	ug/l	200	07/27/06 17:49	MSF	762-75-4		
Diisopropyl ether	820	ug/l	10.	07/27/06 17:49	MSF	108-20-3		
Ethanol	ND	ug/l	200	07/27/06 17:49	MSF	64-17-5		
Ethylbenzene	1300	ug/l	10.	07/27/06 17:49	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	100	07/27/06 17:49	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	100	07/27/06 17:49	MSF	75-65-0		
Methyl-tert-butyl ether	1300	ug/l	10.	07/27/06 17:49	MSF	1634-04-4		
Naphthalene	290	ug/l	10.	07/27/06 17:49	MSF	91-20-3		
Toluene	8300	ug/l	100	07/27/06 17:49	MSF	108-88-3		
m&p-Xylene	3000	ug/l	20.	07/27/06 17:49	MSF			
o-Xylene	1500	ug/l	10.	07/27/06 17:49	MSF	95-47-6		
Toluene-d8 (S)	97	%		07/27/06 17:49	MSF	2037-26-5		
4-Bromofluorobenzene (S)	97	%		07/27/06 17:49	MSF	460-00-4		
Dibromofluoromethane (S)	95	%		07/27/06 17:49	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	90	%		07/27/06 17:49	MSF	17060-07-0		

Asheville Certification IDs
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NC Drinking Water 37712
SC 99030
FL NELAP E87648

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Fax: 704.875.9091

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2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202648 Project Sample Number: 92123332-037 Date Collected: 07/13/06 10:28
Client Sample ID: DW8 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 11:06	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	99	%		07/20/06 11:06	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	ND	ug/l	1.0	07/26/06 16:14	MSF	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	07/26/06 16:14	MSF	75-85-4		
Benzene	1.4	ug/l	1.0	07/26/06 16:14	MSF	71-43-2		
tert-Butyl Formate	ND	ug/l	20.	07/26/06 16:14	MSF	762-75-4		
Diisopropyl ether	ND	ug/l	1.0	07/26/06 16:14	MSF	108-20-3		
Ethanol	ND	ug/l	20.	07/26/06 16:14	MSF	64-17-5		
Ethylbenzene	1.4	ug/l	1.0	07/26/06 16:14	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.	07/26/06 16:14	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	07/26/06 16:14	MSF	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	1.0	07/26/06 16:14	MSF	1634-04-4		
Naphthalene	2.0	ug/l	1.0	07/26/06 16:14	MSF	91-20-3		
Toluene	5.3	ug/l	1.0	07/26/06 16:14	MSF	108-88-3		
m&p-Xylene	4.5	ug/l	2.0	07/26/06 16:14	MSF			
o-Xylene	1.9	ug/l	1.0	07/26/06 16:14	MSF	95-47-6		
Toluene-d8 (S)	99	%		07/26/06 16:14	MSF	2037-26-5		
4-Bromofluorobenzene (S)	96	%		07/26/06 16:14	MSF	460-00-4		
Dibromofluoromethane (S)	103	%		07/26/06 16:14	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	105	%		07/26/06 16:14	MSF	17060-07-0		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
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2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202655 Project Sample Number: 92123332-038 Date Collected: 07/13/06 09:00
Client Sample ID: MW58 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 11:23	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	95	%		07/20/06 11:23	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	67.	ug/l	10.	07/27/06 17:01	MSF	994-05-8		
tert-Amyl Alcohol	5200	ug/l	100	07/27/06 17:01	MSF	75-85-4		
Benzene	5800	ug/l	50.	07/27/06 17:01	MSF	71-43-2		
tert-Butyl Formate	ND	ug/l	200	07/27/06 17:01	MSF	762-75-4		
Diisopropyl ether	490	ug/l	10.	07/27/06 17:01	MSF	108-20-3		
Ethanol	ND	ug/l	200	07/27/06 17:01	MSF	64-17-5		
Ethylbenzene	480	ug/l	10.	07/27/06 17:01	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	100	07/27/06 17:01	MSF	637-92-3		
2-Methyl-2-propanol	120	ug/l	100	07/27/06 17:01	MSF	75-65-0		
Methyl-tert-butyl ether	490	ug/l	10.	07/27/06 17:01	MSF	1634-04-4		
Naphthalene	300	ug/l	10.	07/27/06 17:01	MSF	91-20-3		
Toluene	87.	ug/l	10.	07/27/06 17:01	MSF	108-88-3		
m&p-Xylene	190	ug/l	20.	07/27/06 17:01	MSF			
o-Xylene	38.	ug/l	10.	07/27/06 17:01	MSF	95-47-6		
Toluene-d8 (S)	100	%		07/27/06 17:01	MSF	2037-26-5		
4-Bromofluorobenzene (S)	97	%		07/27/06 17:01	MSF	460-00-4		
Dibromofluoromethane (S)	103	%		07/27/06 17:01	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	100	%		07/27/06 17:01	MSF	17060-07-0		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

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2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92123332
Client Project ID: Cloud Chevron

Lab Sample No: 927202663 Project Sample Number: 92123332-039 Date Collected: 07/13/06 10:00
Client Sample ID: SW1 Matrix: Water Date Received: 07/17/06 10:00

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles								
EDB and DBCP in Water	Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	07/20/06 11:39	RCS1	106-93-4		
1-Chloro-2-bromopropane (S)	99	%		07/20/06 11:39	RCS1	301-79-56		
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
tert-Amylmethyl ether	31.	ug/l	5.0	07/27/06 17:25	MSF	994-05-8		
tert-Amyl Alcohol	2600	ug/l	50.	07/27/06 17:25	MSF	75-85-4		
Benzene	780	ug/l	10.	07/27/06 17:25	MSF	71-43-2		
tert-Butyl Formate	ND	ug/l	100	07/27/06 17:25	MSF	762-75-4		
Diisopropyl ether	190	ug/l	5.0	07/27/06 17:25	MSF	108-20-3		
Ethanol	ND	ug/l	100	07/27/06 17:25	MSF	64-17-5		
Ethylbenzene	190	ug/l	5.0	07/27/06 17:25	MSF	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	50.	07/27/06 17:25	MSF	637-92-3		
2-Methyl-2-propanol	ND	ug/l	50.	07/27/06 17:25	MSF	75-65-0		
Methyl-tert-butyl ether	470	ug/l	5.0	07/27/06 17:25	MSF	1634-04-4		
Naphthalene	52.	ug/l	5.0	07/27/06 17:25	MSF	91-20-3		
Toluene	1000	ug/l	5.0	07/27/06 17:25	MSF	108-88-3		
m&p-Xylene	480	ug/l	10.	07/27/06 17:25	MSF			
o-Xylene	230	ug/l	5.0	07/27/06 17:25	MSF	95-47-6		
Toluene-d8 (S)	101	%		07/27/06 17:25	MSF	2037-26-5		
4-Bromofluorobenzene (S)	97	%		07/27/06 17:25	MSF	460-00-4		
Dibromofluoromethane (S)	111	%		07/27/06 17:25	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	131	%		07/27/06 17:25	MSF	17060-07-0	1	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

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898003

Section A Required Client Information:

Company	[illegible]
Address	[illegible] Box 423
	Elgin SC
Email To:	Shirley.hellard@.net
Phone: 438-1331	Fax
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Jimmy Cooper
Copy To:	Sam
Purchase Order No.:	
Project Name:	Cloud's Chevron
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	BKM
Pace Profile #:	3807-3

REGULATORY AGENCY

☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☒SC ☐WI ☐OTHER _____

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: BTEX/MTBE/Naphthalene/EDB/Oxygenates	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	MW 4	GW	G			7/11/06	1030		3									✓		2391
2	MW 1	GW	G				1400		3									✓		2401
3	MW 2	GW	G				1240		3									✓		2417
4	MW 5	GW	G				1510		3									✓		2425
5	MW 1	GW	G				1250		3									✓		2433
6	MW 5	GW	G				1249		3									✓		2441
7	MW 5	GW	G			↓	936		3									✓		
8																				
9																				
10																				
11																				
12																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	7-14-06	0915	[illegible]	7-14-06	0915
[signature]	7-14-06	1645	JMcole	7/14	1000

SAMPLE CONDITION

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
1.0	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jimmy Buerkhan

SIGNATURE of SAMPLER: [signature] DATE: [illegible]

SEE REVERSE SIDE FOR INSTRUCTIONS

CHAIN-OF-CUSTODY / Analytical Request Document

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898001

Section A Required Client Information:

Company: Palmetto Environmental Group	
Address: P.O. Box 438	
Elgin SC	
Email To: Jobskye@bellsouth.net	
Phone: 864-438-1331	Fax: Same
Requested Due Date/TAT:	

Section B Required Project Information:

Report To: Jimmy Cooper	
Copy To: Same	
Purchase Order No.:	
Project Name: Clouds Chevron	
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY: ☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ Other

SITE LOCATION: ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☒SC ☐WI ☐OTHER

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / -) Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis: STEX, MADEP, EDB, NAPH	Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	MW51					7/11/06	13:11											✓			[illegible]
2	MW36						14:02											✓			2364
3	DW6						7:51											✓			2374
4	MW49						11:16											✓			2382
5	MW40						7:21											✓			2390
6	MW62						7:13											✓			2398
7	MW66						8:53											✓			2406
8	MW43						10:00											✓			2414
9	MW47						10:42											✓			2422
10	MW63						9:04											✓			2430
11	MW48						11:00											✓			2438
12	MW68						8:18											✓			2446

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITION
[illegible]	7/14/06	0800	[illegible]	7/14-06	0915	
[illegible]	7/14-06	1645	[illegible]	7/17	0004	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Keonix Boughman

SIGNATURE of SAMPLER: [illegible] DATE Signed (MM / DD / YY)

Temp in °C | Received on Ice Y/N | Custody Sealed Cooler Y/N | Samples Intact Y/N

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898004

Section A Required Client Information:

Company	Palmetto Environmental Group
Address	P.O. Box 438
	Elgin SC
Email To:	Slotsky@bellsouth.net
Phone	805-438-1331
Fax	Same
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Jimmy Cooper
Copy To:	Same
Purchase Order No.:	
Project Name:	
Project Number:	Clouds Chevron

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	BKM
Pace Profile #:	3807-3

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☒SC ☐WI ☐OTHER_____

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Filtered (Y/N)

Requested Analysis: BTEX, NAPH, MTBE, EDB, GENERATES

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	BTEX, NAPH, MTBE	EDB	GENERATES	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	MW45					7/11/06	10:17											✓	✓	✓		2473
2	MW64						8:42											✓	✓	✓		2481
3	MW50						11:23											✓	✓	✓		2499
4	MW44						10:08											✓	✓	✓		2507
5	MW61						9:00											✓	✓	✓		2515
6	MW70						8:11											✓	✓	✓		2523
7	MW41						7:23											✓	✓	✓		2531
8	MW69						8:20											✓	✓	✓		2549
9	MW67						8:00											✓	✓	✓		2556
10	MW39						7:07											✓	✓	✓		2564
11	~~MW62~~						~~9:13~~											✓	✓	✓		
12	MW52						13:00											✓	✓	✓		2572

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[illegible]	7/14/06	0800	[illegible]	7/14/06	0945
[illegible]	7/14/06	1645	[illegible]	7/14	1000

SAMPLE CONDITION

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Kenny Bingham

SIGNATURE of SAMPLER:

DATE Signed: (MM / DD / YY)

SEE REVERSE SIDE FOR INSTRUCTIONS

CHAIN-OF-CUSTODY / Analytical Request Document

Pace Analytical®

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

898002

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Palmetto Environmental Group	Report To: Jimmy Cooper	Attention:
Address: P.O. Box 438	Copy To: Same	Company Name:
Elgin SC		Address:
Email To: slatsky@bellsouth.net	Purchase Order No.:	Pace Quote Reference:
Phone: 803-438-1331 Fax: Same	Project Name: Leads Chevron	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ Other

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☐ MI ☐ MN ☐ NC ☐ OH ☑ SC ☐ WI ☐ OTHER

Section D Required Client Information

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

SAMPLE ID: One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE

Requested Analysis: Filtered (Y/N); BTEX, North, MTBE; EDB; OXYGENATES; Residual Chlorine (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	BTEX, North, MTBE	EDB	OXYGENATES	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	MW12					7/13/06	8:28											✓	✓	✓		[illegible]
2	DW7						8:30											✓	✓	✓		[illegible]
3	MW56						9:43											✓	✓	✓		2606
4	DW9						9:45											✓	✓	✓		2614
5	~~MW55~~						~~9:36~~											✓	✓	✓		
6	MW59						10:40											✓	✓	✓		2622
7	MW57						9:53											✓	✓	✓		[illegible]
8	DW8						10:28											✓	✓	✓		2648
9	MW58						9:00											✓	✓	✓		2655
10	SW1						10:00											✓	✓	✓		2663
11																						
12																						

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITION
[illegible]	7/14/06	800	[illegible]	7/14	0915	Y/N Y/N Y/N
[illegible]	7-14-06	1645	[illegible]	7/14	1000	Y/N Y/N Y/N
						Y/N Y/N Y/N
						Y/N Y/N Y/N

Temp in °C; Received on Ice; Custody Sealed Cooler; Samples Intact

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Kevin Broughman

SIGNATURE of SAMPLER:

EE REVERSE SIDE FOR INSTRUCTIONS



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TANK PROGRAM

Corrective Action Plan

Handy Pantry #65 & Cloud's Chevron

2367 Taylor St. & 1600 Two Notch Rd.

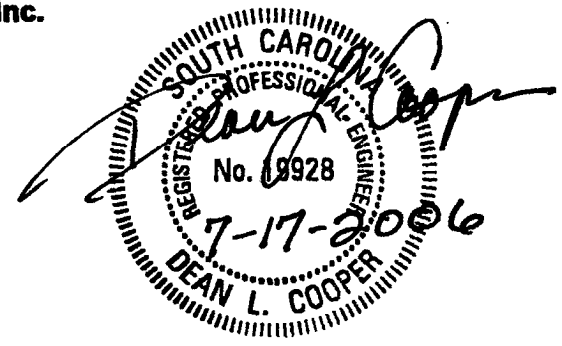
Columbia, SC

SCDHEC UST Permit #: 07584, 07777, & 12352

Prepared for the South Carolina Dept. of Health & Environmental Control by:

Palmetto Environmental Group, Inc.

P. O. Box 427
Elgin, SC 29045
(803) 438-1331



July 17, 2006

UST PROGRAM
DOCKETING # 209tech

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1. EXECUTIVE SUMMARY

1.1 Site Description

The Handy Pantry #65 & Cloud's Chevron site is located at the intersection of Taylor St. and Two Notch Road, Columbia, South Carolina. The area of concern encompasses all four blocks of the intersection and extends southeasterly along Milwood Drive and Ontario Street. Structures on site include a retail fueling/convenience store building along with its associated dispensers and other retail stores and a restaurant. General land uses of adjacent properties are commercial and residential. The Underground Storage Tank permit numbers associated with this project are: 07584, 07777, and 12352.

1.2 Regulatory Framework

The contamination of groundwater and soil by petroleum releases is under the jurisdiction of the GWPD of SCDHEC. The South Carolina Underground Storage Tank Control Regulations, R.61-92 Part 280, and the SUPERB Site Rehabilitation and Fund Access Regulations, R.61-98, outline the applicable rules related to such releases. This Corrective Action Plan (CAP) was prepared in accordance with the *Corrective Action Guidance* document published by SCDHEC on March 15, 2000.

1.3 Site History

Releases of petroleum on these sites were reported to the department 1/30/1991, 4/17/1998, 12/31/1991, and 12/30/1991. Site assessment activities were undertaken and completed in the second quarter of 2005. This assessment determined that groundwater contamination existed at concentrations above risk based screening levels and was entering a storm water discharge southeast of the site. The department deemed Active Corrective Action of this site was necessary because of these findings.

1.4 Objective

The objective of this Corrective Action is to reduce the dissolved concentrations of chemicals of concern below the site-specific target levels (SSTL's) cited in the Corrective Action bid invitation #IFB-29751-4/26/06-EMW. Based on the last sampling event conducted ~~April 19-21 and May 17-18~~ November, 2005, the Chemicals of Concern (CoC's) requiring treatment in each monitoring well is defined in the following table:

Well	Free Product Thickness	Benzene ug/L	Toluene ug/L	Ethylbenzene ug/L	Xylenes ug/L	MTBE ug/L	Naphthalene ug/L	EDB ug/L
MW-1	NA	1	1	1	1	5	1	0
MW-2	NA	5900	11000	1800	12000	570	3200	39
MW-3	0.19	15000	27000	3500	19000	1500	37000	230
MW-4	NA	1	1	1	1	5	8	0.074
MW-5	NA	100	3600	2300	8300	710	100	0.84
MW-6	NA	13	1	1	60	5	1	0
MW-7	NA	1	1	1	1	5	1	0
MW-8	NA	1	1	1	1	5	1	0
MW-9	NA	3100	9800	2100	11000	1000	10	0.15
MW-10	0.07	12000	17000	2700	13000	990	540	0.23
MW-11	NA	25	230	25	25	130	25	0
MW-12	NA	25	230	25	25	130	25	0.02
MW-13	NA	1	1	1	1	5	1	0
MW-15	NA	210	520	230	720	190	1	0
MW-16	NA	1	16	5	36	31	1	0
MW-17	0.02	3500	28000	3600	20000	1800	200	0
MW-18	0.03	18000	37000	3200	17000	1300	6400	1.6
MW-19	NA	23000	48000	3600	20000	1300	4200	1.6
MW-20	NA	19000	36000	3200	18000	1400	7200	0
MW-22	NA	24000	39000	5000	27000	4600	780	0
MW-23	NA	8100	19000	1800	9700	1000	1600	1.3
MW-24**	NA	1340	1520	98	1730	66.5	610	26.3
MW-25	NA	1600	6200	850	4400	260	17	0
MW-26	NA	1	1	1	1	5	1	0
MW-27***	NA	1	1	1	1	5	1	0
MW-28	NA	360	970	96	490	250	50	0
MW-29	NA	100	100	100	100	3500	100	0
MW-30	NA	1	1	1	1	5	1	0.11
MW-31	NA	20	53	21	260	51	1	0
MW-32	NA	400	14000	520	18000	170	5	0.088
MW-33	NA	410	1600	290	1400	100	50	0
MW-34	NA	250	870	180	1700	360	10	0.16
MW-35	NA	12000	22000	3200	15000	1200	1300	3.20
MW-36	NA	140	310	320	1400	120	1	0
MW-37	NA	360	360	44	170	15	160	0.097
MW-38	NA	1	1	1	1	5	1	0
MW-39	NA	3100	17000	2600	13000	830	25	0.29
MW-40	NA	840	740	690	1900	500	1	0.22
MW-41	NA	1	1	1	1	5	1	0
MW-42	NA	1	1	1	1	5.4	1	0
MW-43	NA	1	1	1	1	5	1	0
MW-44	NA	1	1	1	1	5	1	0
MW-45	NA	1	1	1	1	5	1	0
MW-46	NA	1	12	1	1	5.2	1	0

MW-47	NA	1	14	1	1	5	1	2.40
MW-48	NA	1	1	1	1	5	1	1.60
MW-49	NA	1	18	1	1	5	1	0.33
MW-50	NA	1	13	1	1	5	1	0
MW-51	NA	1	1	1	1	5	1	0
MW-52	NA	1	1	1	1	5	1	0
MW-53	NA	1	1	1	1	5	1	0.73
MW-54	NA	970	2900	460	2200	1100	1500	2.70
MW-55	NA	440	1	27	1	39	410	0.11
MW-56	NA	76	1	1	1	5.4	1	0
MW-57	NA	12000	12000	2000	8200	1000	2000	3.30
MW-58	NA	5300	110	960	160	490	630	2.00
MW-59	NA	1	1	1	1	5	1	0.25
MW-60**	NA	1	1	1	1	5	1	0
MW-61	NA	1	1	1	1	5	1	0
MW-62	NA	1	1	1	1	5	1	0
MW-63	NA	1	1	1	1	5	1	0
MW-64	NA	390	13	51	1	56	100	0
MW-65	NA	140	31	78	88	45	600	0
MW-66	NA	1	1	1	27	8.6	1	0
MW-67	NA	1	1	1	1	5	1	0
MW-68	NA	1	1	1	1	5	1	0
MW-69	NA	1	1	1	1	5	1	0
MW-70	NA	1	1	1	1	5	1	0
MW-5aR	NA	27000	31000	2500	14000	1000	9900	0.19
PW-1R	NA	8300	6800	1800	8100	770	290	7.60
RW-1R	NA	1600	10	230	10	14	130	0.54
DW-1	NA	1	1	1	1	5	1	0
DW-2	NA	1	1	1	1	5	1	0
DW-3	NA	350	360	64	220	5	230	0.06
DW-4**	NA	74	380	102	524	48	12	1.46
DW-5	NA	99	240	160	600	89	1	6.10
DW-6	NA	1	1	1	1	5	1	0
DW-7	NA	40	2	2	2	10	20	0.14
DW-8	NA	1	1	1	1	5	1	0
DW-9	NA	1	1	1	1	5	1	0
SW-1	NA	370	110	41	100	9	160	0

Well	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-1	5	5	25	100	25	25	25	5
MW-2	130	130	630	2500	2800	630	630	250
MW-3	250	540	1300	5000	12000	1300	1300	1100
MW-4	5	5	25	100	25	25	25	5
MW-5	500	500	2500	10000	2500	2500	2500	500
MW-6	5	5	25	100	25	25	25	5
MW-7	5	5	25	100	25	25	25	5
MW-8	5	5	25	100	25	25	25	5
MW-9	50	50	250	1000	250	250	250	71
MW-10	130	230	630	2500	630	630	630	1700
MW-11	130	130	630	2500	630	630	630	130
MW-12	5	5	25	100	25	25	25	5
MW-13	5	5	25	100	25	25	25	5
MW-15	5	5	25	100	25	25	330	5.4
MW-16	5	5	25	100	25	25	25	5
MW-17	1000	1000	5000	20000	5000	5000	5000	1000
MW-18	1000	1000	5000	20000	5000	5000	5000	2800
MW-19	1000	1000	5000	20000	5000	5000	5000	2300
MW-20	1000	1000	5000	20000	5000	5000	5000	2800
MW-22	1000	1000	5000	20000	5000	5000	5000	1900
MW-23	56	1000	25	100	25	25	5000	1000
MW-24**	1	60	10	100	4890	10	1150	449
MW-25	5	5	25	100	25	25	25	110
MW-26	5	5	25	100	25	25	25	5
MW-27**	1	1	10	100	10	10	10	5
MW-28	250	250	1300	5000	1300	1300	1300	2600
MW-29	500	500	2500	10000	2500	2500	3100	500
MW-30	5	5	25	100	25	25	25	5
MW-31	5	5	25	100	25	25	120	5
MW-32	25	25	130	500	130	130	5000	25
MW-33	5	5	25	500	130	25	500	120
MW-34	50	50	250	1000	5300	250	2800	50
MW-35	5	1000	5000	100	25	25	5000	1300
MW-36	5	5	25	100	500	25	500	5
MW-37	5	12	25	100	330	25	45	52
MW-38	5	5	25	100	25	25	25	5
MW-39	130	130	630	2500	630	630	630	130
MW-40	5	5	25	100	25	25	1500	25
MW-41	5	5	25	100	25	25	25	5
MW-42	5	5	25	100	25	25	25	5
MW-43	5	5	25	100	25	25	25	5
MW-44	5	5	25	100	25	25	25	5
MW-45	5	5	25	100	25	25	25	5
MW-46	5	5	25	190	25	25	25	5

MW-47	5	5	25	100	25	25	25	5
MW-48	5	5	25	100	25	25	25	5
MW-49	5	5	25	100	25	25	25	5
MW-50	5	5	25	100	25	25	25	5
MW-51	5	5	25	100	25	25	25	5
MW-52	5	5	25	100	25	25	25	5
MW-53	5	5	33	100	25	25	60	5
MW-54	50	50	250	1000	650	250	250	50
MW-55	5	14	130	100	1400	25	82	83
MW-56	5	5	25	100	46	25	25	7.4
MW-57	1000	1000	5000	20000	8200	5000	5000	1200
MW-58	87	88	250	1000	3500	250	500	670
MW-59	5	5	25	100	25	25	25	5
MW-60**	1	1	10	100	10	10	10	5
MW-61	5	5	25	100	10	25	25	5
MW-62	5	5	25	100	10	25	25	5
MW-63	5	5	25	100	10	25	25	5
MW-64	5	10	25	100	25	25	170	41
MW-65	5	5	25	100	25	25	74	14
MW-66	5	5	25	100	25	25	25	5
MW-67	5	5	25	100	25	25	25	5
MW-68	5	5	25	100	25	25	25	5
MW-69	5	5	25	100	25	25	25	5
MW-70	5	5	25	100	25	25	25	5
MW-5aR	1000	2300	5000	20000	54000	5400	13000	4100
PW-1R	320	1400	1100	1000	18000	250	3000	2500
RW-1R	5	50	25	100	850	25	250	160
DW-1	5	5	25	100	25	25	25	5
DW-2	5	5	25	100	25	25	25	5
DW-3	5	17	25	100	850	75	95	5
DW-4**	5	5	50	500	150	50	50	25
DW-5	5	5	25	100	220	25	25	5
DW-6	5	5	25	100	25	25	25	5
DW-7	10	10	50	200	300	50	50	16
DW-8	5	5	25	100	25	25	25	5
DW-9	5	5	25	100	25	25	25	5
SW-1	5	10	25	370	25	25	50	74

1.5 Remediation Methodology

This CAP outlines the method of remediation advocated by Palmetto Environmental Group, Inc. Liquid phase hydrocarbon (LPH) will be removed from the water table utilizing vacuum extraction. Air sparging and vapor extraction will be employed to accomplish the reduction in dissolved CoC's as contemplated by the bid document.

2. PREVIOUS ENVIRONMENTAL WORK CONDUCTED

2.1 Assessment Activities

Smith Monitoring, Midlands Environmental Consultants, and Consultech Environmental previously conducted assessments at this site. Results of these assessment activities can be found in the assessment documents previously submitted to SCDHEC. The results of this assessment indicate a plume of petroleum based contamination emanating from the existing operating convenience store and the parking lot directly across Two Notch Rd. This plume is migrating in a southeasterly direction across Taylor St. and parallel to Milwood Ave. It appears to end near a storm water outfall approximately 600 feet from the apparent source areas.

3. PROPOSED REMEDIATION APPROACH

3.1 Discussion

Vacuum extraction, air sparging and vapor extraction along with chemical oxidation will be employed to accomplish the goals as set forth in the solicitation documents within the areas of concern. This area of concern is further defined in the graphical presentations, which will follow. Should air sparging alone prove to be inadequate, chemical oxidation would be employed to further reduce the CoC concentrations below the SSTL's developed for this site.

3.2 Remediation

3.2.1 Vacuum Extraction

Recovery wells will be constructed strategically within the areas of concern known to contain LPH. A vacuum tanker will be used to place vacuum on these wells. The end of a one inch pipe known as a "stinger" is lowered into the well to a depth slightly greater than the depth of the LPH. The well is sealed around the pipe and well head by a rubber fitting. This places the greatest amount of vacuum on the well and evacuates the LPH effectively. Large amounts of LPH and contaminated groundwater can be removed in a short period of time using this method. Dissolved concentrations of CoC's are also significantly reduced during this process.

3.2.2 Air Sparging

Air sparging will be employed to reduce the majority of CoC concentrations within the groundwater contaminant plume. This will be accomplished by injecting compressed air

into the aquifer at strategic locations (see sheet 7) via specially designed sparging points (see sheet 8, sparge point detail). Injecting air into the contaminant plume will serve to volatilize the aromatic compounds present and force them out into the atmosphere. This will also produce an aerobic environment thereby stimulating endogenous aerobic and facultative anaerobic organisms to utilize oxygen in their metabolic processes. The presence of oxygen greatly increases the rate of metabolism of these organisms, which consume any source of carbon present in their environment. Since petroleum compounds are rich in carbon, these compounds are metabolized along with any other sources.

Venting of the system will be accomplished by placing vacuum at the head of the sparging points (again see sparge point detail, sheet 8) and along the existing trench line, which will direct the collected gases through a vent stack 20 feet high located at the equipment skid (sheet 9, compound detail).

3.2.2 Chemical Oxidation

Once air sparging has reduced the majority of CoC concentrations, it may become necessary to chemically oxidize the CoCs that remain above SSTL's. A chemical oxidant such as hydrogen peroxide or potassium permanganate will be injected into the area of concern. The CoC's remaining in the aquifer will be oxidized to smaller molecules such as 2, 3, and 4 carbon chain alkanes, alkenes, methane, carbon dioxide, and water.

4. MONITORING PROTOCOL

4.1 Groundwater Monitoring

Each of the required parameters will be gauged in each well quarterly for the first year. The gauging and/or sampling frequency will be determined after the first year.

4.2 Groundwater Sampling and Analysis Plan

The procedures described in this section are intended to ensure that representative groundwater samples will be collected at monitoring wells from the site. They are intended to provide a standard protocol for all future groundwater sampling.

4.2.1 Groundwater Sampling Procedures

Prior to going into the field, the technician should be careful not to use any type of insecticide, perfume, or aerosol that may contaminate groundwater samples. The

technician should obtain the site map that clearly shows the location of wells to be sampled. The technician should obtain as much information on the wells as possible such as the construction, yield, depth to water, turbidity, and keys needed to unlock wells.

The technician should obtain appropriate laboratory bottles pre-packaged with 1:1 dilute acid for the purpose of preserving samples. The site will be sampled for BTEX, Naphthalene, MTBE by Method 8260B and EDB by Method 8011. Therefore, the lab should supply a minimum of two 40ml glass laboratory bottles (VOAs) with preservative (HCL) for each well to be sampled. An extra VOA is collected at each well in case of an accident or a sample is lost or contaminated. Each of the bottles should be labeled and the laboratory chain of custody form completed.

For the purpose of limiting the potential for cross-contamination of wells, the historically least contaminated well will be sampled first, then proceeding in order lastly to the well that has the highest potential for impact.

Upon approaching the monitoring well, the field technician should note the condition of the well. This inspection should include the following:

- Verify that the protective casing is not eroding
- Determine if protective pad and grout is firm and in place and will not allow the downward movement of surface water
- Verify that well is properly locked
- The identification tag should be clearly visible and note the number and construction details of the well itself
- Make sure that protective casing does not allow the influx of water and that standing water is not inside the protective casing.

Note any problems and have repaired as soon as possible.

The first step will be to remove the padlock and the lid to the protective casing. The field technician should then put on a pair of laboratory-quality disposable latex gloves. Clean plastic will then be placed around the well. The gloves will be replaced as necessary when any incidence of contamination of the gloves may have occurred.

4.2.2 *Groundwater Measurements*

Prior to evacuating the well, the static water level will be measured from the top of the well casing with the use of an electronic water level indicator. The water level indicator should be cleaned with deionized water and non-phosphate laboratory soap and wrapped in foil or plastic before use. The water level indicator should only be handled when wearing protective gloves as described previously.

The water level will be measured by slowly lowering the instrument probe into the well until the buzzer is activated. All measurements will be recorded to the nearest 0.01-foot. The total depth of the well will also be checked to verify that the well has not filled in from excess siltation and also to determine the volume of water standing in the well.

4.2.3 *Well Purging*

Stagnant water will be removed from the monitoring wells with disposable bailers for the purpose introducing fresh groundwater representative of the surficial aquifer. A clean, unused bailer will be used for each well. The bailer will be slowly lowered into the water to minimize agitation and aeration of the water and prevent the loss of volatile organic compounds. This procedure will ensure that minimal turbulence has taken place in the well and the water being removed for analysis is representative of the water quality in the aquifer surrounding the well. The volume of the water column including porous storage in the borehole will be determined. The formula to determine well volumes is as follows:

$$V=0.041(h\cdot d^2)$$

Where V = One well volume (Gallons)
d = Diameter of the well casing (inches)
h = Height of the water column (feet)

In order to insure that representative groundwater is sampled, the indicator parameters (pH, specific conductance and temperature) are tested during the purging. Water will continue to be evacuated until all three field parameters are stabilized. Stabilization is confirmed when pH, temperature, and conductivity is within 10 percent. Wells that are evacuated to dryness prior to reaching the standard evacuation volume will be sampled as soon a sufficient volume of water has reentered the well. If a well is evacuated to dryness, indicator parameters will be measured after the well has recovered. If the monitoring well takes more than eight hours to recover, then the Project Hydrogeologist at SCDHEC will be notified and a plan to correct the well will be determined.

The amount of water purged, the method of purging, and how the purged water volume was measured should be recorded in the field logbook. Purged water will be

containerized if historical analytical data indicates that the water may be contaminated. If the purged water needs to be containerized then the analysis will be used for approved transport to a permitted facility for proper disposal.

4.2.4 *Calibration of Equipment*

Field equipment is calibrated prior to use. The pH meter is a glass electrode type that measures the potential across the glass between the sample and a reference solution. Prior to use, the pH is calibrated with a solution of known pH (buffer) and then checked for proper calibration with a buffer of a different pH value. The pH buffers used for calibration must bracket the expected pH at the site based on historical data. The specific conductance meter contains a Wheatstone bridge, which measures the resistance of a sample solution to the transmission of an electric current. The meter is calibrated with two standard solutions of potassium chloride that bracket the expected specific conductance at the site based on historical data. Specific conductance meters are subject to variation, and if stabilization is difficult the meter should be recalibrated during the sampling event.

4.2.5 *Sample Collection*

Sample collection must be done in a manner to ensure that the sample is not altered or contaminated during collection from the well and transfer to the sample container. The time of sampling, sample station location, method of sampling, the weather conditions, and the presence of unusual odors or stains should be noted in the field logbook. Samples should not be done during rain or snow events due to the potential of altering samples.

A complete set of pre-cleaned and pre-labeled sample bottles will be removed from the cooler and fresh samples slowly poured into each container to ensure the containers are not over filled. Over filling of the containers could result in a loss of preservative, thus invalidating analytical results. The laboratory will pre-measure the preservative into pre-cleaned bottles. The lab will be instructed to verify proper preservation when receiving the samples from the field.

The bailer will be lowered slowly into the groundwater and allowed to fill with a minimum of oscillation. Two VOAs will be collected at each of the wells. All chain-of-custody reports will be filled out and stored with samples in the cooler.

4.2.6 *Field Cleaning Procedures*

Equipment used in more than one well (i.e. water level indicator) will be cleaned between each sampling event as detailed below.

1) Wash the equipment with a non-phosphate soap or laboratory approved soap with potable water. A non-reactant brush (laboratory approved) may be used to remove stains.

2) Rinse the equipment with potable water.

3) Rinse with deionized water or isopropanol.

4) Rinse again with deionized water and allow to air dry (as long as possible).

4.2.7 Chain of Custody

The chain of custody procedure is designed to track individual samples from the time of collection through laboratory analysis. Each sample container must be affixed with a durable label, marked with a waterproof pen, and documented on a chain-of-custody form. The form must include at a minimum the following information:

1) Sample number

2) Date and time of collection

3) Location

4) Name and number

5) Name of field technician

6) Parameters to be analyzed

7) Preservatives used

4.3 Air Monitoring

SCDHEC regulations require permitting for emissions of volatile organic compounds (VOCs) exceeding 1,000 pounds per month. This site will have VOC emissions during the CAP implementation, however, it is not anticipated emissions will exceed this threshold. Air quality modeling information is presented in Appendix B.

5. REPORTING

Copies of the laboratory analyses and summaries of those analyses will be submitted to SCDHEC within 30 days of receipt of those reports by Palmetto Environmental Group, Inc. Measured levels of concentrations of COCs will be compared to the site target levels to determine the level of remediation accomplished.

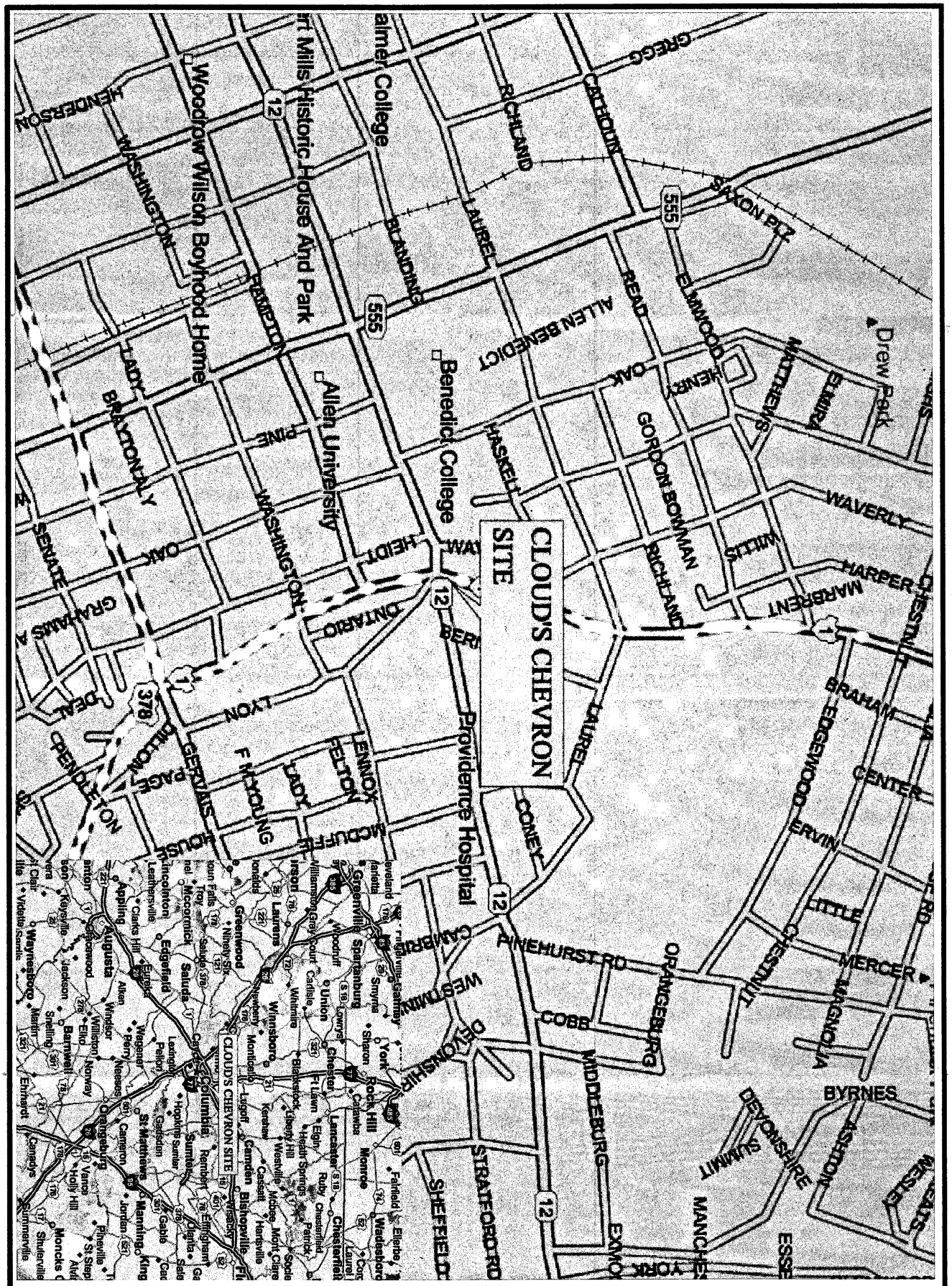
6. UNDERGROUND INJECTION CONTROL

An underground injection control permit will be required for this project and is being submitted with this CAP. The permit application and supporting information can be found in Appendix C.

7. TIME FRAME FOR ACHIEVING REMEDIATION GOALS

This corrective action plan will be accomplished in several stages. An initial monitoring report will be submitted establishing pre-startup conditions. A construction phase will follow ending with startup of the air sparging system. Once the system is started, performance evaluations will be conducted to determine CAP efficiency as it relates to reduction of CoC's in and around the area of concern. The project will end with removal of installed equipment and abandonment of wells, piping, and trench runs. It is anticipated that the time required for completion of this project is 36 months from the time the CAP is implemented.

Figures



PALMETTO ENVIRONMENTAL GROUP INC.

2193 Hwy 1 South
Elgin, SC 29045

ph: 803-438-1331
FAX: 803-438-1331

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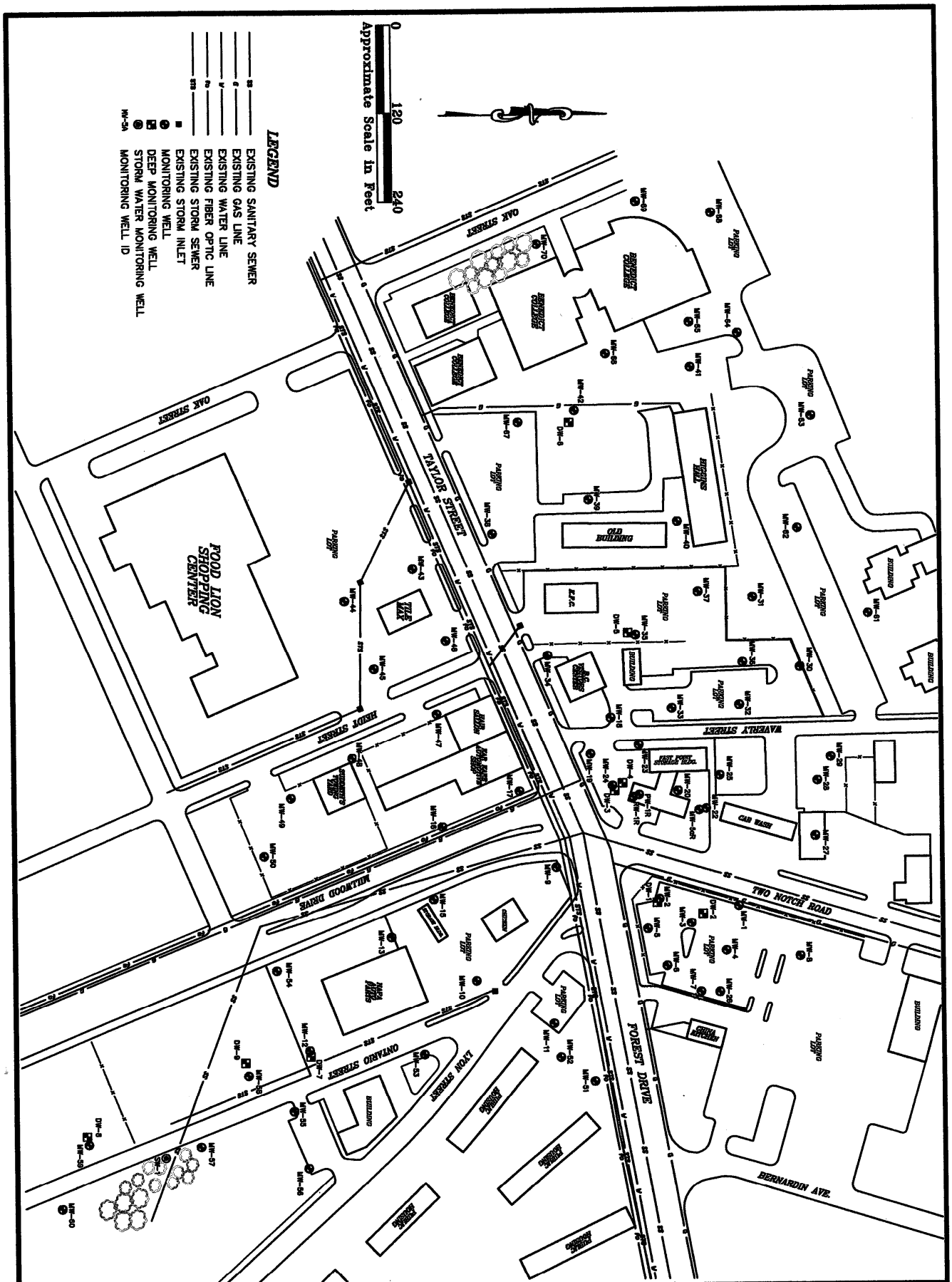
CHECKED BY: DLC	CLOUDS CHEVRON	SCALE: NTS
DATE ISSUED: 7/14/2006	SCDHEC UST PERMIT #07584 & #07777/12352 COLUMBIA, S.C.	SHEET NO.: 1 OF 9



PALMETTO ENVIRONMENTAL GROUP INC.

2193 Hwy 1 South
Elgin, SC 29045

ph: 803-438-1331
FAX: 803-438-1331

DESIGNED BY: JLC	CLIENT: SOUTH CAROLINA DEPT. OF HEALTH & ENVIRONMENTAL CONTROL	JOB NO.: 318
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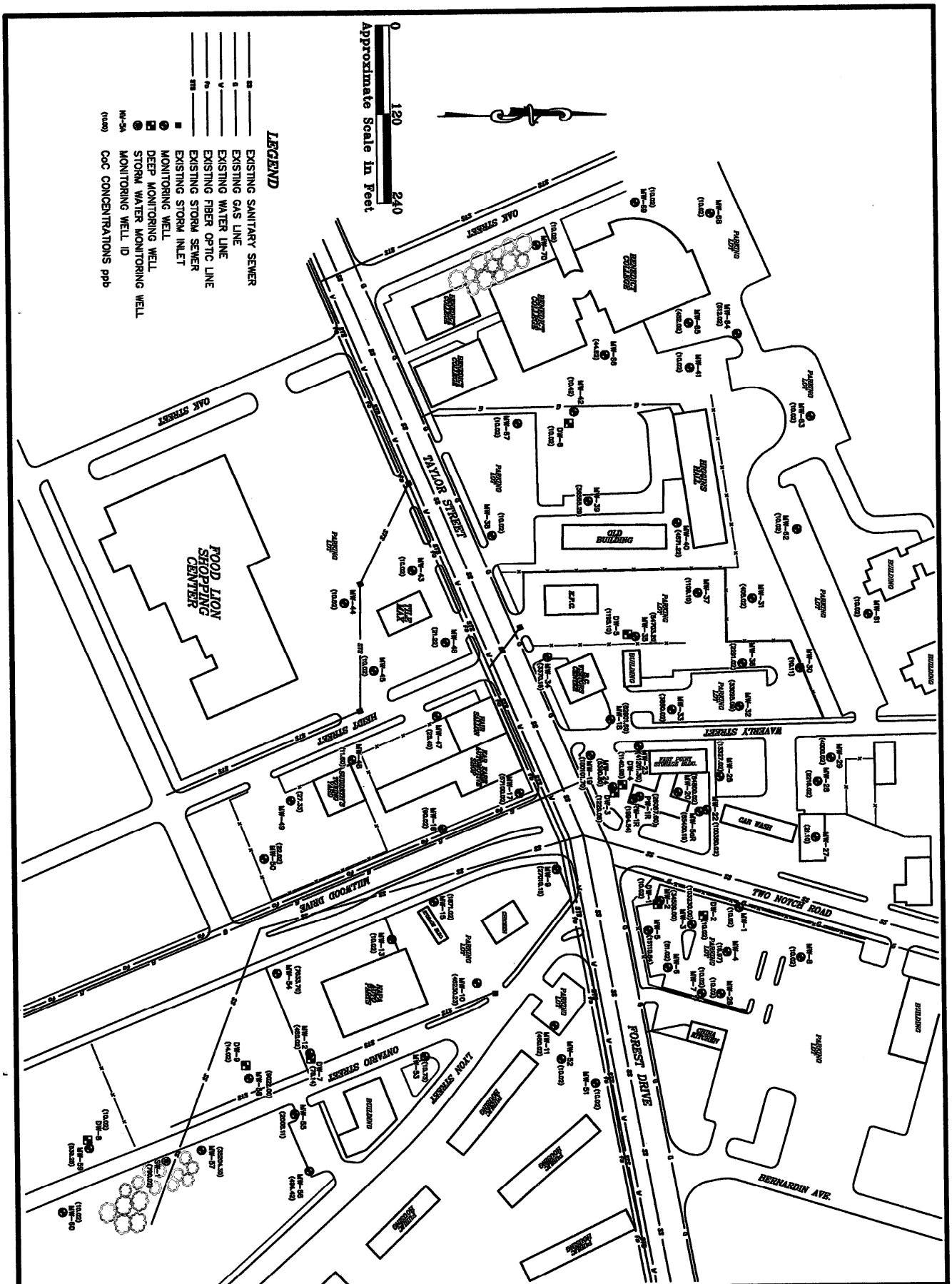
DATE ISSUED: 7/14/2006		SHEET NO.: 2 OF 9



PALMETTO ENVIRONMENTAL GROUP INC.

2193 Hwy 1 South
Elgin, SC 29045

ph: 803-438-1331
FAX: 803-438-1331

DESIGNED BY: JLC	CLIENT: SOUTH CAROLINA DEPT. OF HEALTH & ENVIRONMENTAL CONTROL	JOB NO.: 318
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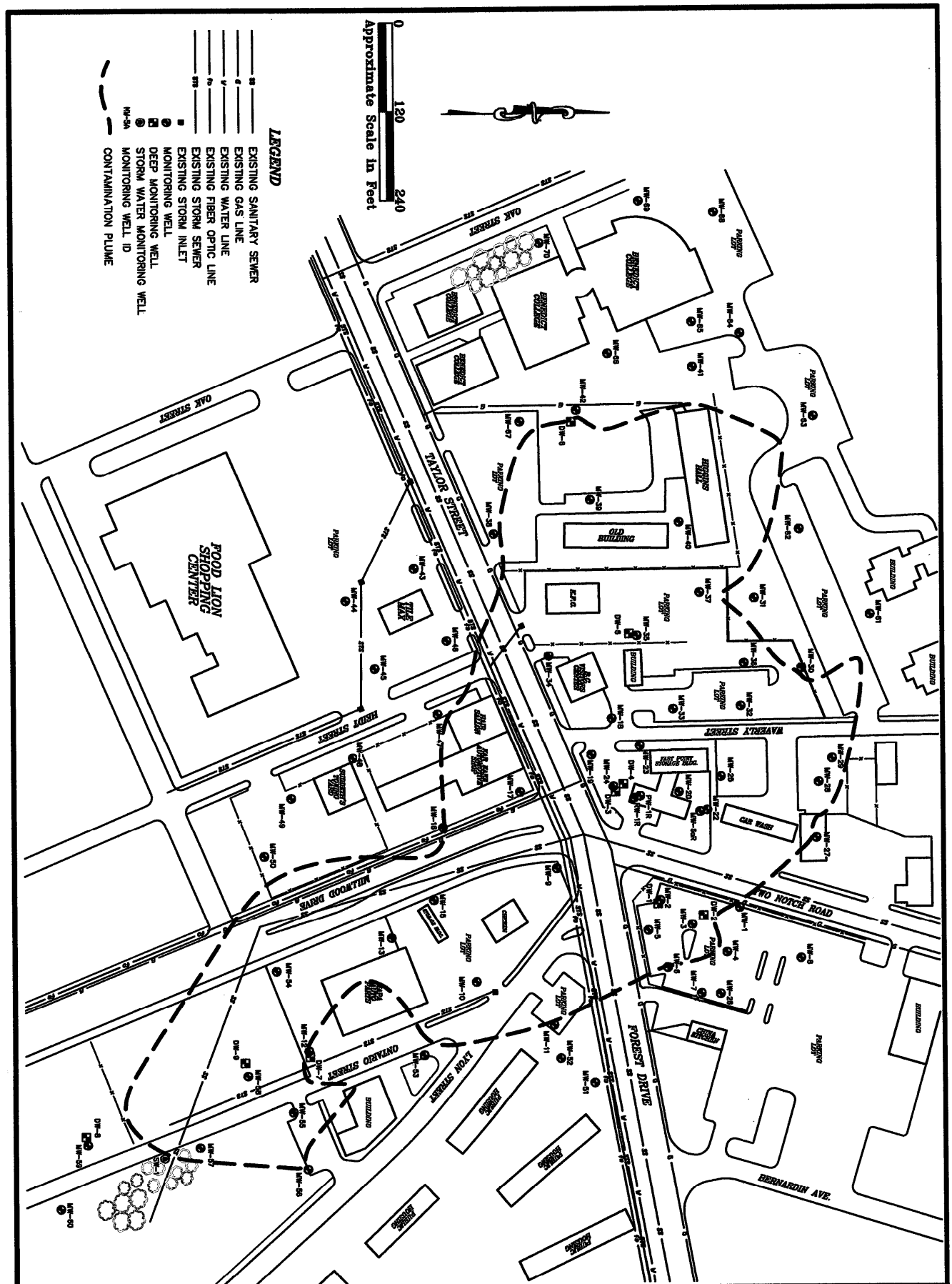
DATE ISSUED: 7/14/2006		SHEET NO.: 3 OF 9



PALMETTO ENVIRONMENTAL GROUP INC.

2193 Hwy 1 South
Elgin, SC 29045

ph: 803-438-1331
FAX: 803-438-1331

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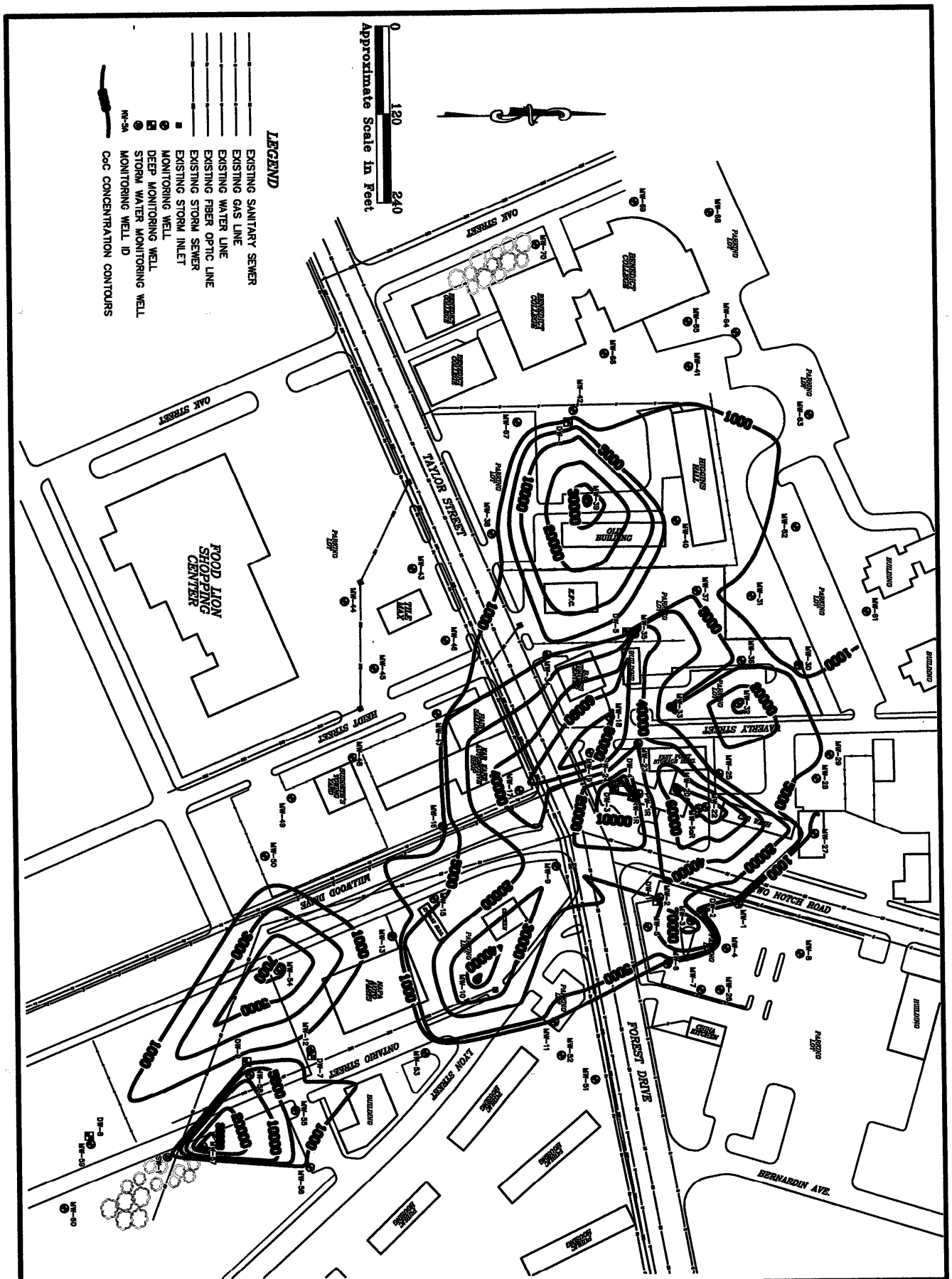
DATE ISSUED: 7/14/2006	SCDHEC UST PERMIT #07584 & #07777/12352 COLUMBIA, S.C.	SHEET NO.: 4 OF 9





PALMETTO ENVIRONMENTAL GROUP INC.
2193 Hwy 1 South
Elgin, SC 29045
ph: 803-438-1331
FAX: 803-438-1331

DESIGNED BY: JLC	CLIENT: SOUTH CAROLINA DEPT. OF HEALTH & ENVIRONMENTAL CONTROL	JOB NO.: 318
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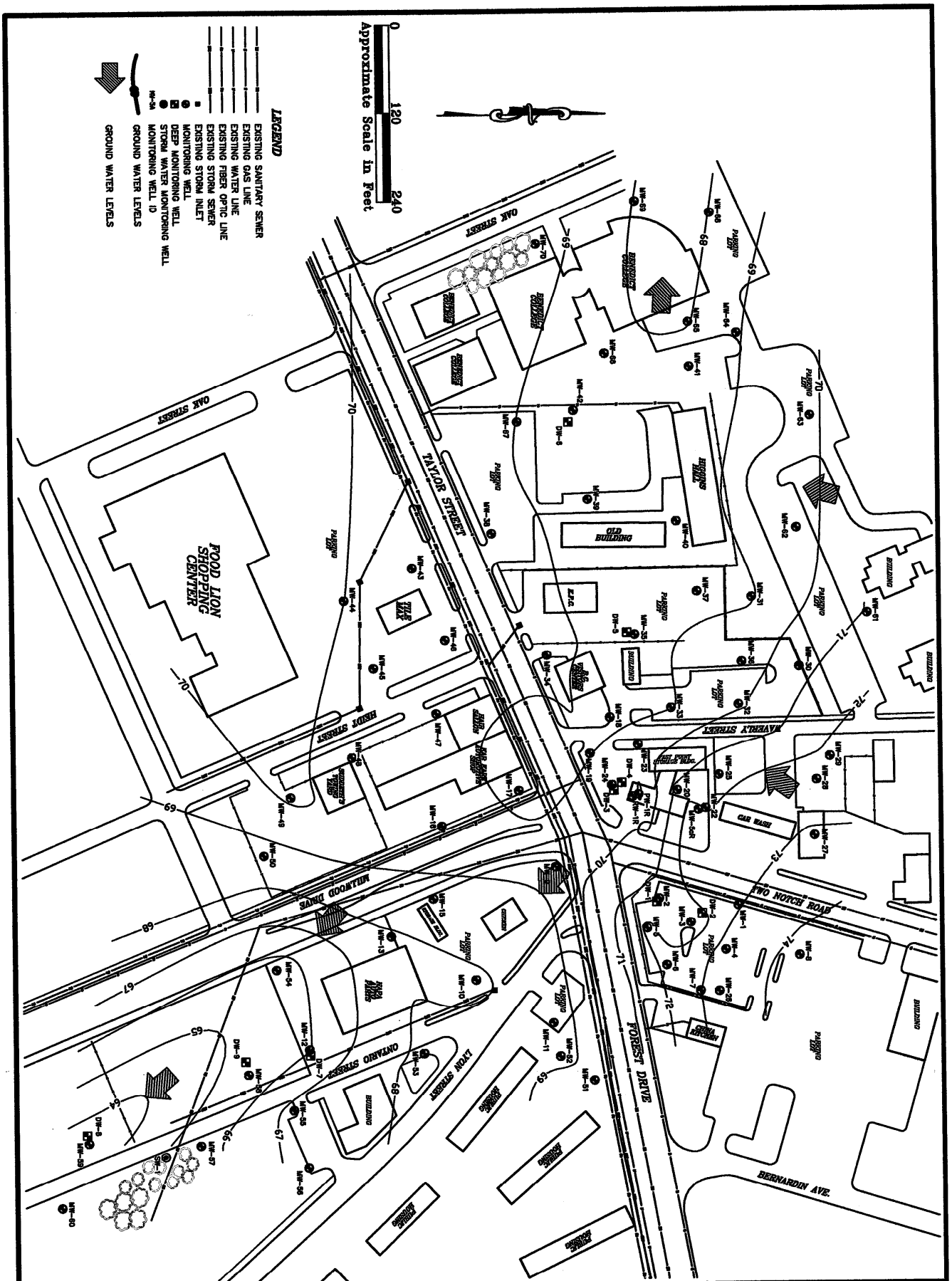

PALMETTO ENVIRONMENTAL GROUP INC.

2193 Hwy 1 South
Elgin, SC 29045

ph: 803-438-1331
FAX: 803-438-1331

DESIGNED BY: JLC	CLIENT: SOUTH CAROLINA DEPT. OF HEALTH & ENVIRONMENTAL CONTROL	JOB NO.: 318
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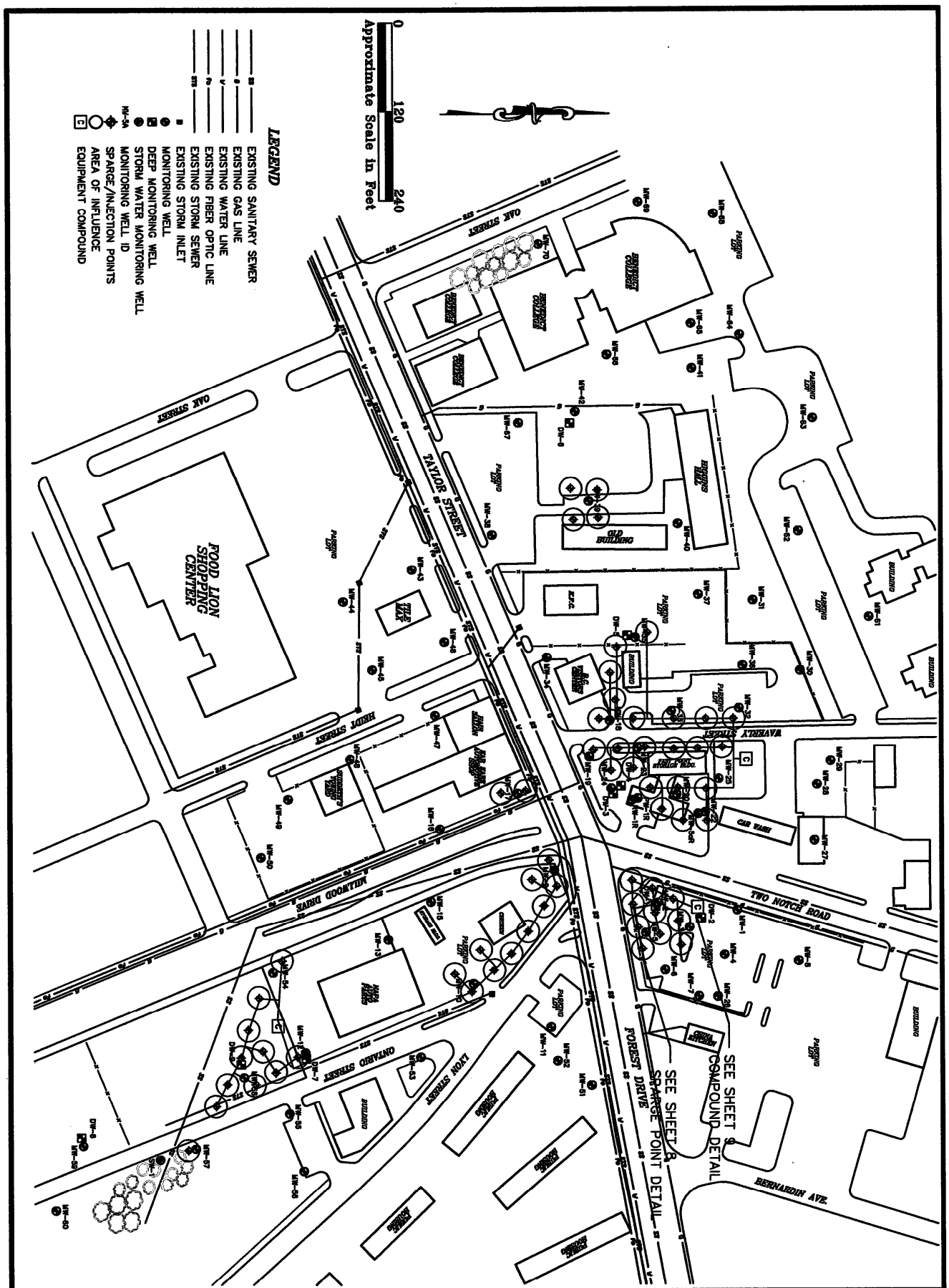

PALMETTO ENVIRONMENTAL GROUP INC.

2193 Hwy 1 South
Elgin, SC 29045

ph: 803-438-1331
FAX: 803-438-1331

DESIGNED BY: JLC	CLIENT: SOUTH CAROLINA DEPT. OF HEALTH & ENVIRONMENTAL CONTROL	JOB NO.: 318
DRAWN BY: RDD	TITLE: REMEDIATION SYSTEM CLOUDS CHEVRON	FILE NAME: CLOUD'S
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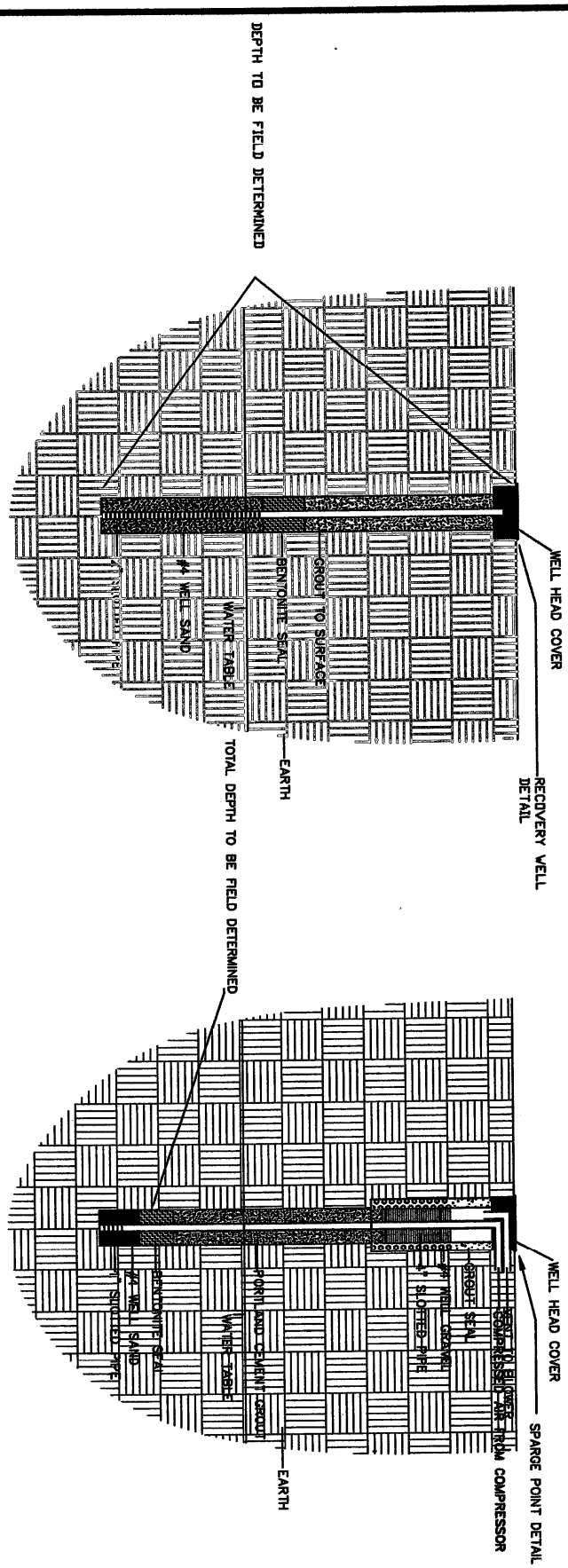

PALMETTO ENVIRONMENTAL GROUP INC.
2193 Hwy 1 South
Elgin, SC 29045
ph: 803-438-1331
FAX: 803-438-1331

DESIGNED BY: JLC	CLIENT: SOUTH CAROLINA DEPT. OF HEALTH & ENVIRONMENTAL CONTROL	JOB NO.: 318
DRAWN BY: RDD	TITLE: SPARGE POINT & RECOVERY WELL DETAIL CLOUDS CHEVRON SCDHEC UST PERMIT #07584 & #07777/12352 COLUMBIA, S.C.	FILE NAME: CLOUD'S
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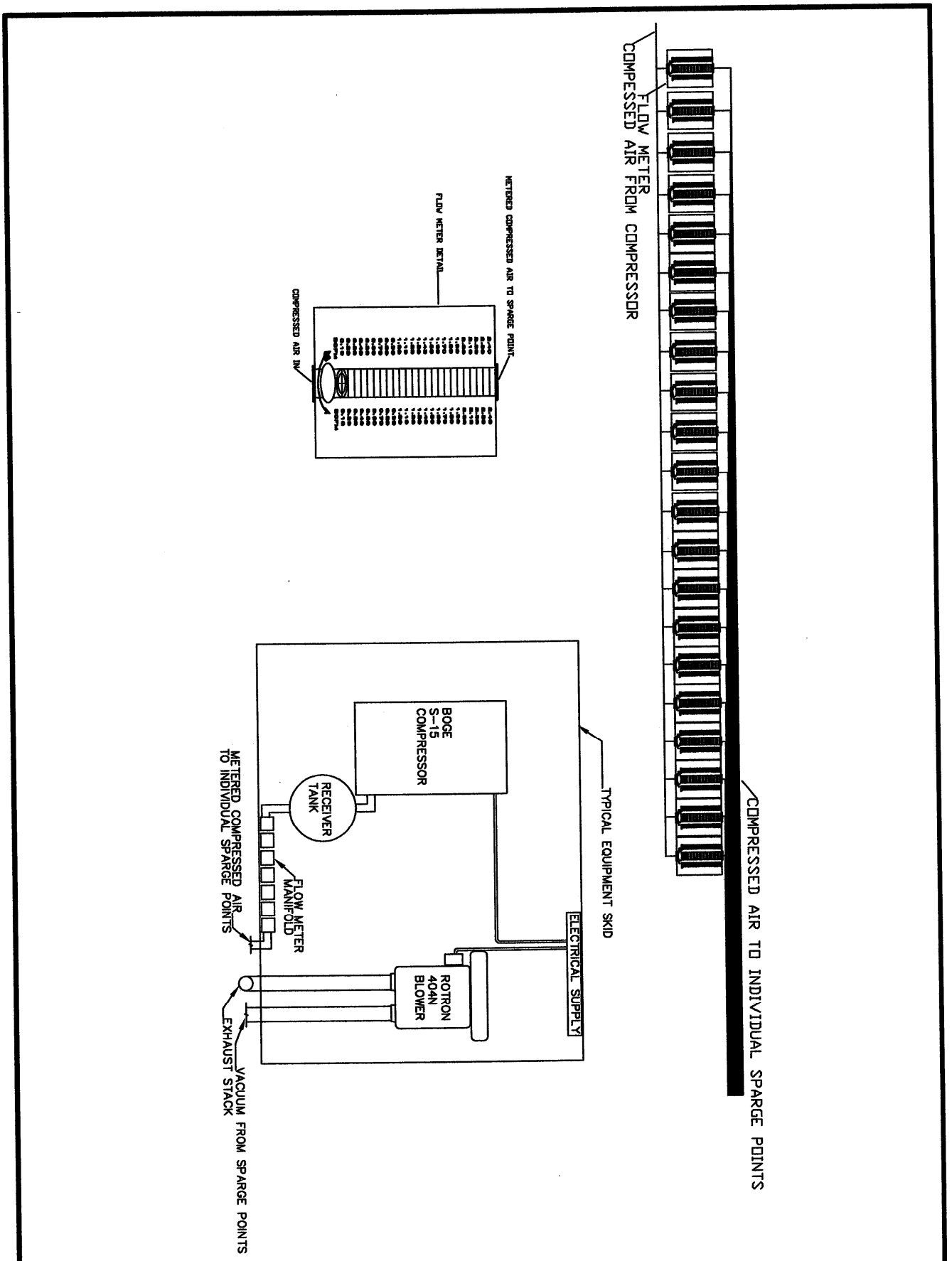
DATE ISSUED: 7/14/2006		SHEET NO.: 8 OF 9



PALMETTO ENVIRONMENTAL GROUP INC.
2193 Hwy 1 South
Elgin, SC 29045
ph: 803-438-1331
FAX: 803-438-1331

DESIGNED BY: JLC	CLIENT: SOUTH CAROLINA DEPT. OF HEALTH & ENVIRONMENTAL CONTROL	JOB NO.: 318
DRAWN BY: RDD	TITLE: EQUIPMENT COMPOUND DETAILS	FILE NAME: CLOUD'S
CHECKED BY: DLC	CLOUDS CHEVRON	SCALE: NTS
DATE ISSUED: 7/14/2006	SCDHEC UST PERMIT #07584 & #07777/12352 COLUMBIA, S.C.	SHEET NO.: 9 OF 9

Appendix A

DUPLICATE ORIGINAL

07/01 Edition

SE-355
Performance Bond

KNOW ALL PERSONS BY THESE PRESENTS THAT

Palmetto Environmental Group, Inc., Post Office Box 427, Elgin, South Carolina 29045

(Insert full name or legal title and address of Contractor)

hereinafter referred to as "Contractor," and

International Fidelity Insurance Company, 3800 Arco Corporate Drive, Suite 325 Charlotte, North Carolina 28273

(Insert full name and address of principal place of business of Surety)

a corporation duly organized and existing under the laws of the State of New Jersey, with its principal office in the City of Newark, and authorized to transact business in this State, hereinafter called the "Surety", are jointly and severally held and firmly bound unto

S.C. Department of Health & Environmental Control, 2600 Bull Street, Columbia, SC 29201

(Insert full name and address of Agency)

or its successors or assigns, hereinafter referred to as "Agency", to which payment to be well and truly made, the sum of $ 154,875.00*** , being the sum of the Bond , the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS,

Contractor has by written agreement dated May 8, 2006 entered into a contract with Agency to construct Corrective Action at Site #12352

per Purchase Order Number: 632356

(Insert Project Name and Number and Brief Description of Awarded Work, as found on the SE-330, Bid Form)

in accordance with Drawings and Specifications prepared by

(Insert full name and address of A/E)

which agreement is by reference made a part hereof, and is hereinafter referred to as the Contract.

IN WITNESS WHEREOF, Surety and Contractor, intending to be legally bound hereby, subject to the conditions stated on the reverse side hereof, do each cause this Performance Bond to be duly executed on its behalf by its authorized officer, agent or representative.

DATED this 30th day of May, 2006 **BOND NUMBER** MAIFSU0394046

(shall be no earlier than Date of Contract)

CONTRACTOR	**SURETY**
Palmetto Environmental Group, Inc. *(Contractor's Name)*	International Fidelity Insurance Company *(Surety's Name)*
BY: *(Signature and Title)*	BY: *(Signature and Title)* Raymond E. Cobb, Jr.
ATTEST: *(Signature and Title)*	ATTEST: *(Signature and Title)* M. Kathryn McCartha-Powers

Performance Bond

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH THAT:

1. The Contractor and the Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to the Agency for the full and faithful performance of the Contract, which is incorporated herein by reference.
2. If the Contractor performs the Contract, the Surety and the Contractor have no obligation under this Bond, except to participate in conferences as provided in paragraph 3. 1.
3. The Surety's obligation under this Bond shall arise after:
3.1 The Agency has notified the Contractor and the Surety at the address described in paragraph 10 below, that the Agency is considering declaring a Contractor Default and has requested and attempted to arrange a conference with the Contractor and the Surety to be held not later than 15 days after receipt of such notice to discuss methods of performing the Contract. If the Agency, the Contractor and the Surety agree, the Contractor shall be allowed a reasonable time to perform the Contract, but such an agreement shall not waive the Agency's right, if any, subsequently to declare a Contractor Default; or
3.2 The Agency has declared a Contractor Default and formally terminated the Contractor's right to complete the Contract.
4. The Surety shall, within 15 days after receipt of notice of the Agency's declaration of a Contractor Default, and at the Surety's sole expense, take one of the following actions:
4.1 Arrange for the Contractor, with consent of the Agency, to perform and complete the Contract; or
4.2 Undertake to perform and complete the Contract itself, through its agents or through independent contractors; or
4.3 Obtain bids or negotiated proposals from qualified contractors acceptable to the Agency for a contract for performance and completion of the Contract, arrange for a contract to be prepared for execution by the Agency and the contractor selected with the Agency's concurrence, to be secured with performance and payment bonds executed by a qualified surety equivalent to the Bonds issued on the Contract. and pay to the Agency the amount of damages as described in paragraph 7 in excess of the Balance of the Contract Sum incurred by the Agency resulting from the Contractor Default; or
4.4 Waive its right to perform and complete, arrange for completion, or obtain a new contractor, and:
4.4.1 After investigation, determine the amount for which it may be liable to the Agency and, within 60 days of waiving its rights under this paragraph, tender payment thereof to the Agency; or
4.4.2 Deny liability in whole or in part and notify the Agency, citing the reasons therefore.
5. Provided Surety has proceeded under paragraphs 4.1, 4.2, or 4.3, the Agency shall pay the Balance of the Contract Sum to either:
5.1 Surety in accordance with the terms of the Contract; or
5.2 Another contractor selected pursuant to paragraph 4.3 to perform the Contract.
5.3 The Balance of the Contract Sum due either the Surety or another contractor shall be reduced by the amount of damages as described in paragraph 7.
6. If the Surety does not proceed as provided in paragraph 4 with reasonable promptness, the Surety shall be deemed to be in default on this Bond 15 days after receipt of written notice from the Agency to the Surety demanding that the Surety perform its obligations under this Bond, and the Agency shall be entitled to enforce any remedy available to the Agency.
6.1 If the Surety proceeds as provided in paragraph 4.4, and the Agency refuses the payment tendered or the Surety has denied liability, in whole or in part, then without further notice the Agency shall be entitled to enforce any remedy available to the Agency.
6.2 Any dispute, suit, action or proceeding arising out of or relating to this Bond shall be governed by the Dispute Resolution process defined in the Contract Documents and the laws of the State of South Carolina.
7. After the Agency has terminated the Contractor's right to complete the Contract, and if the Surety elects to act under paragraph 4.1, 4.2, or 4.3 above, then the responsibilities of the Surety to the Agency shall be those of the Contractor under the Contract, and the responsibilities of the Agency to the Surety shall those of the Agency under the Contract. To a limit of the amount of this Bond, but subject to commitment by the Agency of the Balance of the Contract Sum to mitigation of costs and damages on the Contract, the Surety is obligated to the Agency without duplication for:
7.1 The responsibilities of the Contractor for correction of defective Work and completion of the Contract; and
7.2 Additional legal, design professional and delay costs resulting from the Contractor's Default, and resulting from the actions or failure to act of the Surety under paragraph 4; and
7.3 Damages awarded pursuant to the Dispute Resolution provisions of the Contract. Surety may join in any Dispute Resolution proceeding brought under the Contract and shall be bound by the results thereof, and
7.4 Liquidated Damages, or if no Liquidated Damages are specified in the Contract, actual damages caused by delayed performance or non-performance of the Contractor.
8. The Surety shall not be liable to the Agency or others for obligations of the Contractor that are unrelated to the Contract, and the Balance of the Contract Sum shall not be reduced or set-off on account of any such unrelated obligations. No right of action shall accrue on this Bond to any person or entity other than the Agency or its heirs, executors, administrators, or successors.
9. The Surety hereby waives notice of any change, including changes of time, to the Contract or to related subcontracts, purchase orders and other obligations.
10. Notice to the Surety, the Agency or the Contractor shall be mailed or delivered to the address shown on the signature page.
11. Definitions
11.1 Balance of the Contract Sum: The total amount payable by the Agency to the Contractor under the Contract after all proper adjustments have been made, including allowance to the Contractor of any amounts to be received by the Agency in settlement of insurance or other Claims for damages to which the Contractor is entitled, reduced by all valid and proper payments made to or on behalf of the Contractor under the Contract.
11.2 Contractor Default: Failure of the Contractor, which has neither been remedied nor waived, to perform the Contract or otherwise to comply with the terms of the Contract.

Tel (973) 624-7200

DUPLICATE ORIGINAL

POWER OF ATTORNEY
INTERNATIONAL FIDELITY INSURANCE COMPANY

HOME OFFICE: ONE NEWARK CENTER, 20TH FLOOR
NEWARK, NEW JERSEY 07102-5207

KNOW ALL MEN BY THESE PRESENTS: That **INTERNATIONAL FIDELITY INSURANCE COMPANY,** a corporation organized and existing laws of the State of New Jersey, and having its principal office in the City of Newark, New Jersey, does hereby constitute and appoint

C. WAYNE MCCARTHA, M. KATHRYN MCCARTHA-POWERS, RAYMOND E. COBB, JR.

Columbia, SC.

its true and lawful attorney(s)-in-fact to execute, seal and deliver for and on its behalf as surety, any and all bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof, which are or may be allowed, required or permitted by law, stature, rule, regulation, contract or otherwise, and the execution of such instrument(s) in pursuance of these presents, shall be as binding upon the said **INTERNATIONAL FIDELITY INSURANCE COMPANY**, as fully and amply, to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at its principal office.

This Power of Attorney is executed, and may be revoked, pursuant to and by authority of Article 3-Section 3, of the By-Laws adopted by the Board of Directors of **INTERNATIONAL FIDELITY INSURANCE COMPANY** at a meeting called and held on the 7th day of February, 1974.

The President or any Vice President, Executive Vice President, Secretary or Assistant Secretary, shall have power and authority

(1) To appoint Attorneys-in-fact, and to authorize them to execute on behalf of the Company, and attach the Seal of the Company thereto, bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof and,

(2) To remove, at any time, any such attorney-in-fact and revoke the authority given.

Further, this Power of Attorney is signed and sealed by facsimile pursuant to resolution of the Board of Directors of said Company adopted at a meeting duly called and held on the 29th day of April, 1982 of which the following is a true excerpt:

Now therefore the signatures of such officers and the seal of the Company may be affixed to any such power of attorney or any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

INTERNATIONAL FIDELITY INSURANCE COMPANY CORPORATE SEAL 1904 NEW JERSEY

IN TESTIMONY WHEREOF, **INTERNATIONAL FIDELITY INSURANCE COMPANY** has caused this instrument to be signed and its corporate seal to be affixed by its authorized officer, this 29th day of August, A.D. 2003.

INTERNATIONAL FIDELITY INSURANCE COMPANY

STATE OF NEW JERSEY
County of Essex

Secretary

On this 29th day of August 2003, before me came the individual who executed the preceding instrument, to me personally known, and, being by me duly sworn, said the he is the therein described and authorized officer of the **INTERNATIONAL FIDELITY INSURANCE COMPANY**; that the seal affixed to said instrument is the Corporate Seal of said Company; that the said Corporate Seal and his signature were duly affixed by order of the Board of Directors of said Company.

JOSE A. MARQUEZ, JR. NOTARY PUBLIC NEW JERSEY

IN TESTIMONY WHEREOF, I have hereunto set my hand affixed my Official Seal, at the City of Newark, New Jersey the day and year first above written.

A NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Nov. 21, 2010

CERTIFICATION

I, the undersigned officer of **INTERNATIONAL FIDELITY INSURANCE COMPANY** do hereby certify that I have compared the foregoing copy of the Power of Attorney and affidavit, and the copy of the Section of the By-Laws of said Company as set forth in said Power of Attorney, with the ORIGINALS ON IN THE HOME OFFICE OF SAID COMPANY, and that the same are correct transcripts thereof, and of the whole of the said originals, and that the said Power of Attorney has not been revoked and is now in full force and effect

IN TESTIMONY WHEREOF, I have hereunto set my hand this 30th day of May 2006

Assistant Secretary

DUPLICATE ORIGINAL

07/01 Edition

SE-355
Performance Bond

KNOW ALL PERSONS BY THESE PRESENTS THAT

Palmetto Environmental Group, Inc., Post Office Box 427, Elgin, South Carolina 29045

(Insert full name or legal title and address of Contractor)

hereinafter referred to as "Contractor," and

International Fidelity Insurance Company, 3800 Arco Corporate Drive, Suite 325 Charlotte, North Carolina 28273

(Insert full name and address of principal place of business of Surety)

a corporation duly organized and existing under the laws of the State of New Jersey, with its principal office in the City of Newark, and authorized to transact business in this State, hereinafter called the "Surety", are jointly and severally held and firmly bound unto

S.C. Department of Health & Environmental Control, 2600 Bull Street, Columbia, SC 29201

(Insert full name and address of Agency)

or its successors or assigns, hereinafter referred to as "Agency", to which payment to be well and truly made, the sum of $ 154,875.00*** , being the sum of the Bond , the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS,

Contractor has by written agreement dated May 8, 2006 entered into a contract with Agency to construct Corrective Action at Site #07777

per Purchase Order Number: 632355

(Insert Project Name and Number and Brief Description of Awarded Work, as found on the SE-330, Bid Form)

in accordance with Drawings and Specifications prepared by

(Insert full name and address of A/E)

which agreement is by reference made a part hereof, and is hereinafter referred to as the Contract.

IN WITNESS WHEREOF, Surety and Contractor, intending to be legally bound hereby, subject to the conditions stated on the reverse side hereof, do each cause this Performance Bond to be duly executed on its behalf by its authorized officer, agent or representative.

DATED this 30th day of May, 2006 **BOND NUMBER** MAIFSU0394045

(shall be no earlier than Date of Contract)

CONTRACTOR	**SURETY**
Palmetto Environmental Group, Inc. *(Contractor's Name)*	International Fidelity Insurance Company *(Surety's Name)*
BY: *(Signature and Title)*	BY: *(Signature and Title)* Raymond E. Cobb, Jr.
ATTEST: *(Signature and Title)*	ATTEST: *(Signature and Title)* M. Kathryn McCartha-Powers

Performance Bond

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH THAT:

1. The Contractor and the Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to the Agency for the full and faithful performance of the Contract, which is incorporated herein by reference.
2. If the Contractor performs the Contract, the Surety and the Contractor have no obligation under this Bond, except to participate in conferences as provided in paragraph 3. 1.
3. The Surety's obligation under this Bond shall arise after:
3.1 The Agency has notified the Contractor and the Surety at the address described in paragraph 10 below, that the Agency is considering declaring a Contractor Default and has requested and attempted to arrange a conference with the Contractor and the Surety to be held not later than 15 days after receipt of such notice to discuss methods of performing the Contract. If the Agency, the Contractor and the Surety agree, the Contractor shall be allowed a reasonable time to perform the Contract, but such an agreement shall not waive the Agency's right, if any, subsequently to declare a Contractor Default; or
3.2 The Agency has declared a Contractor Default and formally terminated the Contractor's right to complete the Contract.
4. The Surety shall, within 15 days after receipt of notice of the Agency's declaration of a Contractor Default, and at the Surety's sole expense, take one of the following actions:
4.1 Arrange for the Contractor, with consent of the Agency, to perform and complete the Contract; or
4.2 Undertake to perform and complete the Contract itself, through its agents or through independent contractors; or
4.3 Obtain bids or negotiated proposals from qualified contractors acceptable to the Agency for a contract for performance and completion of the Contract, arrange for a contract to be prepared for execution by the Agency and the contractor selected with the Agency's concurrence, to be secured with performance and payment bonds executed by a qualified surety equivalent to the Bonds issued on the Contract. and pay to the Agency the amount of damages as described in paragraph 7 in excess of the Balance of the Contract Sum incurred by the Agency resulting from the Contractor Default; or
4.4 Waive its right to perform and complete, arrange for completion, or obtain a new contractor, and:
4.4.1 After investigation, determine the amount for which it may be liable to the Agency and, within 60 days of waiving its rights under this paragraph, tender payment thereof to the Agency; or
4.4.2 Deny liability in whole or in part and notify the Agency, citing the reasons therefore.
5. Provided Surety has proceeded under paragraphs 4.1, 4.2, or 4.3, the Agency shall pay the Balance of the Contract Sum to either:
5.1 Surety in accordance with the terms of the Contract; or
5.2 Another contractor selected pursuant to paragraph 4.3 to perform the Contract.
5.3 The Balance of the Contract Sum due either the Surety or another contractor shall be reduced by the amount of damages as described in paragraph 7.
6. If the Surety does not proceed as provided in paragraph 4 with reasonable promptness, the Surety shall be deemed to be in default on this Bond 15 days after receipt of written notice from the Agency to the Surety demanding that the Surety perform its obligations under this Bond, and the Agency shall be entitled to enforce any remedy available to the Agency.
6.1 If the Surety proceeds as provided in paragraph 4.4, and the Agency refuses the payment tendered or the Surety has denied liability, in whole or in part, then without further notice the Agency shall be entitled to enforce any remedy available to the Agency.
6.2 Any dispute, suit, action or proceeding arising out of or relating to this Bond shall be governed by the Dispute Resolution process defined in the Contract Documents and the laws of the State of South Carolina.
7. After the Agency has terminated the Contractor's right to complete the Contract, and if the Surety elects to act under paragraph 4.1, 4.2, or 4.3 above, then the responsibilities of the Surety to the Agency shall be those of the Contractor under the Contract, and the responsibilities of the Agency to the Surety shall those of the Agency under the Contract. To a limit of the amount of this Bond, but subject to commitment by the Agency of the Balance of the Contract Sum to mitigation of costs and damages on the Contract, the Surety is obligated to the Agency without duplication for:
7.1 The responsibilities of the Contractor for correction of defective Work and completion of the Contract; and
7.2 Additional legal, design professional and delay costs resulting from the Contractor's Default, and resulting from the actions or failure to act of the Surety under paragraph 4; and
7.3 Damages awarded pursuant to the Dispute Resolution provisions of the Contract. Surety may join in any Dispute Resolution proceeding brought under the Contract and shall be bound by the results thereof, and
7.4 Liquidated Damages, or if no Liquidated Damages are specified in the Contract, actual damages caused by delayed performance or non-performance of the Contractor.
8. The Surety shall not be liable to the Agency or others for obligations of the Contractor that are unrelated to the Contract, and the Balance of the Contract Sum shall not be reduced or set-off on account of any such unrelated obligations. No right of action shall accrue on this Bond to any person or entity other than the Agency or its heirs, executors, administrators, or successors.
9. The Surety hereby waives notice of any change, including changes of time, to the Contract or to related subcontracts, purchase orders and other obligations.
10. Notice to the Surety, the Agency or the Contractor shall be mailed or delivered to the address shown on the signature page.
11. Definitions
11.1 Balance of the Contract Sum: The total amount payable by the Agency to the Contractor under the Contract after all proper adjustments have been made, including allowance to the Contractor of any amounts to be received by the Agency in settlement of insurance or other Claims for damages to which the Contractor is entitled, reduced by all valid and proper payments made to or on behalf of the Contractor under the Contract.
11.2 Contractor Default: Failure of the Contractor, which has neither been remedied nor waived, to perform the Contract or otherwise to comply with the terms of the Contract.

DUPLICATE ORIGINAL

Tel (973) 624-7200

POWER OF ATTORNEY
INTERNATIONAL FIDELITY INSURANCE COMPANY

HOME OFFICE: ONE NEWARK CENTER, 20TH FLOOR
NEWARK, NEW JERSEY 07102-5207

KNOW ALL MEN BY THESE PRESENTS: That **INTERNATIONAL FIDELITY INSURANCE COMPANY,** a corporation organized and existing laws of the State of New Jersey, and having its principal office in the City of Newark, New Jersey, does hereby constitute and appoint

C. WAYNE MCCARTHA, M. KATHRYN MCCARTHA-POWERS, RAYMOND E. COBB, JR.

Columbia, SC.

its true and lawful attorney(s)-in-fact to execute, seal and deliver for and on its behalf as surety, any and all bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof, which are or may be allowed, required or permitted by law, stature, rule, regulation, contract or otherwise, and the execution of such instrument(s) in pursuance of these presents, shall be as binding upon the said **INTERNATIONAL FIDELITY INSURANCE COMPANY,** as fully and amply, to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at its principal office.

This Power of Attorney is executed, and may be revoked, pursuant to and by authority of Article 3-Section 3, of the By-Laws adopted by the Board of Directors of **INTERNATIONAL FIDELITY INSURANCE COMPANY** at a meeting called and held on the 7th day of February, 1974.

The President or any Vice President, Executive Vice President, Secretary or Assistant Secretary, shall have power and authority

(1) To appoint Attorneys-in-fact, and to authorize them to execute on behalf of the Company, and attach the Seal of the Company thereto, bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof and,

(2) To remove, at any time, any such attorney-in-fact and revoke the authority given.

Further, this Power of Attorney is signed and sealed by facsimile pursuant to resolution of the Board of Directors of said Company adopted at a meeting duly called and held on the 29th day of April, 1982 of which the following is a true excerpt:

Now therefore the signatures of such officers and the seal of the Company may be affixed to any such power of attorney or any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

INTERNATIONAL FIDELITY INSURANCE COMPANY CORPORATE SEAL 1904 NEW JERSEY

IN TESTIMONY WHEREOF, **INTERNATIONAL FIDELITY INSURANCE COMPANY** has caused this instrument to be signed and its corporate seal to be affixed by its authorized officer, this 29th day of August, A.D. 2003.

INTERNATIONAL FIDELITY INSURANCE COMPANY

STATE OF NEW JERSEY
County of Essex

Secretary

On this 29th day of August 2003, before me came the individual who executed the preceding instrument, to me personally known, and, being by me duly sworn, said the he is the therein described and authorized officer of the **INTERNATIONAL FIDELITY INSURANCE COMPANY;** that the seal affixed to said instrument is the Corporate Seal of said Company; that the said Corporate Seal and his signature were duly affixed by order of the Board of Directors of said Company.

JOSE A. MARQUEZ, JR. NOTARY PUBLIC NEW JERSEY

IN TESTIMONY WHEREOF, I have hereunto set my hand affixed my Official Seal, at the City of Newark, New Jersey the day and year first above written.

A NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Nov. 21, 2010

CERTIFICATION

I, the undersigned officer of **INTERNATIONAL FIDELITY INSURANCE COMPANY** do hereby certify that I have compared the foregoing copy of the Power of Attorney and affidavit, and the copy of the Section of the By-Laws of said Company as set forth in said Power of Attorney, with the ORIGINALS ON IN THE HOME OFFICE OF SAID COMPANY, and that the same are correct transcripts thereof, and of the whole of the said originals, and that the said Power of Attorney has not been revoked and is now in full force and effect

IN TESTIMONY WHEREOF, I have hereunto set my hand this 30th day of May 2006

Assistant Secretary

DUPLICATE ORIGINAL
07/01 Edition

SE-355
Performance Bond

KNOW ALL PERSONS BY THESE PRESENTS THAT

Palmetto Environmental Group, Inc., Post Office Box 427, Elgin, South Carolina 29045

(Insert full name or legal title and address of Contractor)

hereinafter referred to as "Contractor," and

International Fidelity Insurance Company, 3800 Arco Corporate Drive, Suite 325 Charlotte, North Carolina 28273

(Insert full name and address of principal place of business of Surety)

a corporation duly organized and existing under the laws of the State of New Jersey, with its principal office in the City of Newark, and authorized to transact business in this State, hereinafter called the "Surety", are jointly and severally held and firmly bound unto

S.C. Department of Health & Environmental Control, 2600 Bull Street, Columbia, SC 29201

(Insert full name and address of Agency)

or its successors or assigns, hereinafter referred to as "Agency", to which payment to be well and truly made, the sum of $ 309,750.00*** , being the sum of the Bond , the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS,

Contractor has by written agreement dated May 8, 2006 entered into a contract with Agency to construct Corrective Action at Site #07584

per Purchase Order Number: 632354

(Insert Project Name and Number and Brief Description of Awarded Work, as found on the SE-330, Bid Form)

in accordance with Drawings and Specifications prepared by

(Insert full name and address of A/E)

which agreement is by reference made a part hereof, and is hereinafter referred to as the Contract.

IN WITNESS WHEREOF, Surety and Contractor, intending to be legally bound hereby, subject to the conditions stated on the reverse side hereof, do each cause this Performance Bond to be duly executed on its behalf by its authorized officer, agent or representative.

DATED this 30th day of May, 2006 **BOND NUMBER** MAIFSU0394044

(shall be no earlier than Date of Contract)

CONTRACTOR	**SURETY**
Palmetto Environmental Group, Inc. *(Contractor's Name)*	International Fidelity Insurance Company *(Surety's Name)*
BY: *(Signature and Title)*	BY: *(Signature and Title)* Raymond E. Cobb, Jr.
ATTEST: Pamela C Cooper *(Signature and Title)*	ATTEST: *(Signature and Title)* M. Kathryn McCartha-Powers

07/01 Edition

Performance Bond

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH THAT:

1. The Contractor and the Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to the Agency for the full and faithful performance of the Contract, which is incorporated herein by reference.
2. If the Contractor performs the Contract, the Surety and the Contractor have no obligation under this Bond, except to participate in conferences as provided in paragraph 3. 1.
3. The Surety's obligation under this Bond shall arise after:
3.1 The Agency has notified the Contractor and the Surety at the address described in paragraph 10 below, that the Agency is considering declaring a Contractor Default and has requested and attempted to arrange a conference with the Contractor and the Surety to be held not later than 15 days after receipt of such notice to discuss methods of performing the Contract. If the Agency, the Contractor and the Surety agree, the Contractor shall be allowed a reasonable time to perform the Contract, but such an agreement shall not waive the Agency's right, if any, subsequently to declare a Contractor Default; or
3.2 The Agency has declared a Contractor Default and formally terminated the Contractor's right to complete the Contract.
4. The Surety shall, within 15 days after receipt of notice of the Agency's declaration of a Contractor Default, and at the Surety's sole expense, take one of the following actions:
4.1 Arrange for the Contractor, with consent of the Agency, to perform and complete the Contract; or
4.2 Undertake to perform and complete the Contract itself, through its agents or through independent contractors: or
4.3 Obtain bids or negotiated proposals from qualified contractors acceptable to the Agency for a contract for performance and completion of the Contract, arrange for a contract to be prepared for execution by the Agency and the contractor selected with the Agency's concurrence, to be secured with performance and payment bonds executed by a qualified surety equivalent to the Bonds issued on the Contract. and pay to the Agency the amount of damages as described in paragraph 7 in excess of the Balance of the Contract Sum incurred by the Agency resulting from the Contractor Default; or
4.4 Waive its right to perform and complete, arrange for completion, or obtain a new contractor, and:
4.4.1 After investigation, determine the amount for which it may be liable to the Agency and, within 60 days of waiving its rights under this paragraph, tender payment thereof to the Agency; or
4.4.2 Deny liability in whole or in part and notify the Agency, citing the reasons therefore.
5. Provided Surety has proceeded under paragraphs 4.1, 4.2, or 4.3, the Agency shall pay the Balance of the Contract Sum to either:
5.1 Surety in accordance with the terms of the Contract; or
5.2 Another contractor selected pursuant to paragraph 4.3 to perform the Contract.
5.3 The Balance of the Contract Sum due either the Surety or another contractor shall be reduced by the amount of damages as described in paragraph 7.
6. If the Surety does not proceed as provided in paragraph 4 with reasonable promptness, the Surety shall be deemed to be in default on this Bond 15 days after receipt of written notice from the Agency to the Surety demanding that the Surety perform its obligations under this Bond, and the Agency shall be entitled to enforce any remedy available to the Agency.
6.1 If the Surety proceeds as provided in paragraph 4.4, and the Agency refuses the payment tendered or the Surety has denied liability, in whole or in part, then without further notice the Agency shall be entitled to enforce any remedy available to the Agency.
6.2 Any dispute, suit, action or proceeding arising out of or relating to this Bond shall be governed by the Dispute Resolution process defined in the Contract Documents and the laws of the State of South Carolina.
7. After the Agency has terminated the Contractor's right to complete the Contract, and if the Surety elects to act under paragraph 4.1, 4.2, or 4.3 above, then the responsibilities of the Surety to the Agency shall be those of the Contractor under the Contract, and the responsibilities of the Agency to the Surety shall those of the Agency under the Contract. To a limit of the amount of this Bond, but subject to commitment by the Agency of the Balance of the Contract Sum to mitigation of costs and damages on the Contract, the Surety is obligated to the Agency without duplication for:
7.1 The responsibilities of the Contractor for correction of defective Work and completion of the Contract; and
7.2 Additional legal, design professional and delay costs resulting from the Contractor's Default, and resulting from the actions or failure to act of the Surety under paragraph 4; and
7.3 Damages awarded pursuant to the Dispute Resolution provisions of the Contract. Surety may join in any Dispute Resolution proceeding brought under the Contract and shall be bound by the results thereof, and
7.4 Liquidated Damages, or if no Liquidated Damages are specified in the Contract, actual damages caused by delayed performance or non-performance of the Contractor.
8. The Surety shall not be liable to the Agency or others for obligations of the Contractor that are unrelated to the Contract, and the Balance of the Contract Sum shall not be reduced or set-off on account of any such unrelated obligations. No right of action shall accrue on this Bond to any person or entity other than the Agency or its heirs, executors, administrators, or successors.
9. The Surety hereby waives notice of any change, including changes of time, to the Contract or to related subcontracts, purchase orders and other obligations.
10. Notice to the Surety, the Agency or the Contractor shall be mailed or delivered to the address shown on the signature page.
11. Definitions
11.1 Balance of the Contract Sum: The total amount payable by the Agency to the Contractor under the Contract after all proper adjustments have been made, including allowance to the Contractor of any amounts to be received by the Agency in settlement of insurance or other Claims for damages to which the Contractor is entitled, reduced by all valid and proper payments made to or on behalf of the Contractor under the Contract.
11.2 Contractor Default: Failure of the Contractor, which has neither been remedied nor waived, to perform the Contract or otherwise to comply with the terms of the Contract.

Tel (973) 624-7200

DUPLICATE ORIGINAL

POWER OF ATTORNEY
INTERNATIONAL FIDELITY INSURANCE COMPANY

HOME OFFICE: ONE NEWARK CENTER, 20TH FLOOR
NEWARK, NEW JERSEY 07102-5207

KNOW ALL MEN BY THESE PRESENTS: That **INTERNATIONAL FIDELITY INSURANCE COMPANY,** a corporation organized and existing laws of the State of New Jersey, and having its principal office in the City of Newark, New Jersey, does hereby constitute and appoint

C. WAYNE MCCARTHA, M. KATHRYN MCCARTHA-POWERS, RAYMOND E. COBB, JR.

Columbia, SC.

its true and lawful attorney(s)-in-fact to execute, seal and deliver for and on its behalf as surety, any and all bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof, which are or may be allowed, required or permitted by law, stature, rule, regulation, contract or otherwise, and the execution of such instrument(s) in pursuance of these presents, shall be as binding upon the said **INTERNATIONAL FIDELITY INSURANCE COMPANY,** as fully and amply, to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at its principal office.

This Power of Attorney is executed, and may be revoked, pursuant to and by authority of Article 3-Section 3, of the By-Laws adopted by the Board of Directors of **INTERNATIONAL FIDELITY INSURANCE COMPANY** at a meeting called and held on the 7th day of February, 1974.

The President or any Vice President, Executive Vice President, Secretary or Assistant Secretary, shall have power and authority

(1) To appoint Attorneys-in-fact, and to authorize them to execute on behalf of the Company, and attach the Seal of the Company thereto, bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof and,

(2) To remove, at any time, any such attorney-in-fact and revoke the authority given.

Further, this Power of Attorney is signed and sealed by facsimile pursuant to resolution of the Board of Directors of said Company adopted at a meeting duly called and held on the 29th day of April, 1982 of which the following is a true excerpt:

Now therefore the signatures of such officers and the seal of the Company may be affixed to any such power of attorney or any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

INTERNATIONAL FIDELITY INSURANCE COMPANY CORPORATE SEAL 1904 NEW JERSEY

IN TESTIMONY WHEREOF, **INTERNATIONAL FIDELITY INSURANCE COMPANY** has caused this instrument to be signed and its corporate seal to be affixed by its authorized officer, this 29th day of August, A.D. 2003.

INTERNATIONAL FIDELITY INSURANCE COMPANY

STATE OF NEW JERSEY
County of Essex

Secretary

On this 29th day of August 2003, before me came the individual who executed the preceding instrument, to me personally known, and, being by me duly sworn, said the he is the therein described and authorized officer of the **INTERNATIONAL FIDELITY INSURANCE COMPANY;** that the seal affixed to said instrument is the Corporate Seal of said Company; that the said Corporate Seal and his signature were duly affixed by order of the Board of Directors of said Company.

JOSE A. MARQUEZ, JR. NOTARY PUBLIC NEW JERSEY

IN TESTIMONY WHEREOF, I have hereunto set my hand affixed my Official Seal, at the City of Newark, New Jersey the day and year first above written.

A NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Nov. 21, 2010

CERTIFICATION

I, the undersigned officer of **INTERNATIONAL FIDELITY INSURANCE COMPANY** do hereby certify that I have compared the foregoing copy of the Power of Attorney and affidavit, and the copy of the Section of the By-Laws of said Company as set forth in said Power of Attorney, with the ORIGINALS ON IN THE HOME OFFICE OF SAID COMPANY, and that the same are correct transcripts thereof, and of the whole of the said originals, and that the said Power of Attorney has not been revoked and is now in full force and effect

IN TESTIMONY WHEREOF, I have hereunto set my hand this 30th day of May 2006

Assistant Secretary

Appendix B

BUREAU OF LAND AND WASTE MANAGEMENT
UNDERGROUND STORAGE TANK PROGRAM
Assessment and Corrective Action Division
Phone (803) 898-4350 Fax (803) 898-4330

BAQC UST Modeling Information

Please Fill Out Completely

FACILITY/COMPANY NAME: Handy Pantry/Cloud's Chevron UST Permit # 12352/07777/07584

CLEANUP LOCATION: 2367 Taylor St.
Columbia, South Carolina

TYPE OF OPERATION (I. E. AIR STRIPPER): Air Sparge/Vapor Extraction

CONTACT: James L. Cooper, 803-438-1331

SITE MAPS

Please include a scaled plot plan of the facility location that clearly shows distances form the stack to the property boundaries. All buildings and/or structures within a radius of 5 stack heights (measured from the stack/vent) shall be incorporated on this plot plan and information on each building and/or structure's height, width, and length shall also be included.

STACK INFORMATION

HEIGHT ABOVE GROUND: 20 FEET; DIAMTER: 0.33 FEET

TEMPERATURE: 140 F; VELOCITY 67 FEET/SECOND

AIR TOXIC INFORMATION

AIR TOXIC EMITTED (I.E. BENZENE)	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER	EMISSION RATE LB/HR
A) Benzene	71-43-2	1.1
B) Toluene	108-88-3	3.3
C) Ethylbenzene	100-41-4	1.1
D) Xylenes	1330-20-7	4.95
E) MTBE	540-84-1	8.25

Appendix C

Form I UIC	D H E C Underground Injection Control Permit Application Ground-Water Protection Division (Collected under the Authority of Title 48 Chapter I of the 1976 South Carolina Code of Laws)	I. EPA ID NUMBER	T/A	C
		U		

Read attached instructions before starting.

For OfficialUse Only

Application Approved month day year	Date Received month day year	Permit Well Number

Comments

II. Facility Name and Address	III. Owner/Operator and Address
Facility Name CLOUD'S CHEVRON	Owner/OperatorName PALMETTO ENVIRONMENTAL GROUP, INC.
Street Address 1600 TWO NOTCH RD.	Street Address 2193 HWY 1 S. P. O. BOX 427
City: COLUMBIA; State: South Carolina; Zip Code: 29201	City: ELGIN; State: South Carolina; Zip Code: 29045

IV. Ownership Status (Select One)

☐ A. Federal ☐ B. State ☒ C. Private

☐ D. Public ☐ E. Other (Explain)

V. SIC Codes

VI. Well Status (Select A, B or C)

☐ A. Operating | Date Started *(MM/DD/YYYY)* | ☐ B. Modification/Conversion ☒ C. Proposed

VII. Type of Permit Requested - Class and Type of Well (see reverse)

A. Class(es) enter code(s)	B. Type(s) enter code(s)	C. If class is "other" or type is code 'Y', explain	D. Number of Wells per type
V. A	I		60

VIII. Location of Wells or Approximate Center of field or Project

C	A. Latitude				B. Longitude			
I		Deg 34	Min 00	Sec 77		Deg 81	Min 00	Sec 97

IX. Attachments

Complete the following questions on a separate sheet(s) and number accordingly; see instructions for Classes 11, 111, and V, complete and submit on a separate sheet(s) attachments A-U as appropriate. Attach maps where required. List attachments by letter which are applicable and include with your application.

X. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

A. Name (Type or Print)	Title	B. Phone No.
JAMES L. COOPER	PRESIDENT	(803) 438-1331

C. Signature

D. Date Signed (MM/DD/YYYY) 07/14/2006

DHEC2502(08/1997)

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10. **ATTACHMENT J: UNDERGROUND SOURCES OF DRINKING WATER** 3

11. **ATTACHMENT K: HYDRAULIC CONTROL** 3

1. ATTACHMENT A: ACTIVITY FOR REVIEW

Air Sparging

Compressed ambient air will be injected into the contaminated aquifer to increase dissolved oxygen concentrations of groundwater and volatilize petroleum hydrocarbon present at this site.

Chemical Oxidation

A solution of potassium permanganate or hydrogen peroxide and ferrous sulfate will be injected into the aquifer.

2. ATTACHMENT B: WELL CONSTRUCTION DETAILS

Injection Points

See attached drawing of well cross section detail.

3. ATTACHMENT C: OPERATING DATA

Air Sparging

Compressed ambient air will be injected into the aquifer via injection wells located strategically across the contaminant plume. Air will be injected continuously at a rate of up to 3 cfm per injection point.

Chemical Oxidation

The potassium permanganate or hydrogen peroxide and ferrous sulfate (oxidizer) will be injected into the aquifer at 5 to 20 psi. The volume and concentration of the oxidizer will be determined by bench studies and mass calculations of the chemicals of concern within the areas of concern. These will be conducted after the air sparging system has operated until such time as the concentrations of the chemicals of concern have been reduced to the extent possible via air sparging technology.

4. ATTACHMENT D: MONITORING PROGRAM

Monitoring of this site will be carried out as presented in the Corrective Action Plan document.

5. ATTACHMENT E: EXISTING PERMITS

There are no existing permits applicable to these sites.

6. ATTACHMENT F: DESCRIPTION OF BUSINESS

The sites were used as a convenience gasoline fueling and retail store. Only one site is operating currently.

7. ATTACHMENT G: AREA OF REVIEW

See attached site map.

8. ATTACHMENT H: MAPS OF WELLS

See attached site map and topographic map.

9. ATTACHMENT I: CROSS SECTIONS/DIAGRAMS

See attached cross section and well construction detail.

10. ATTACHMENT J: UNDERGROUND SOURCES OF DRINKING WATER

There are no drinking water wells located near these sites. Potable water is provided by the City of Columbia via its public water system. Groundwater is located within 20-25 feet bls.

11. ATTACHMENT K: HYDRAULIC CONTROL

Data used in creation of this UIC permit application and accompanying Corrective Action Plan (CAP) were taken from previous site assessments. Aquifer characteristics have been displayed graphically in the CAP and reveal that groundwater is traveling northeasterly across the site. The contaminant plume is also migrating in this direction. The remediation system has been designed to intercept and cutoff further vertical and horizontal movement of the contaminant plume. All drawings and supporting data have been submitted with previous assessments and the CAP.

Palmetto Environmental Group, Inc.

July 20, 2006

RECEIVED

JUL 2 1 2006

UNDERGROUND STORAGE TANK PROGRAM

Susan Block
Corrective Action Section
Underground Storage Tank Program
SCDHEC
2600 Bull St.
Columbia, SC 29201

RE: Corrective Action Plan, Cloud's Chevron/University Mart, UST Permits #07777/12352, Columbia, SC

Dear Ms. Block:

Enclosed is the Corrective Action Plan referenced above.

Please call if there are questions or you require additional information.

Sincerely,

James L. Cooper
Project Manager

UST PROGRAM
DOCKETING # 210Tech

P. O. Box 427, Elgin, SC 29045
(803) 438-1331 Voice/Fax
E-Mail Slotsky@BellSouth.Net

RECEIVED

S&ME

April 21, 2006

Mr. G. Michael Lockman, P.E.
South Carolina Department of Transportation
Office of Research and Materials
1406 Shop Road
Columbia, South Carolina 29201

Reference: **Monitoring Well Replacements**
~~Cloud's Chevron, Site ID: 07777~~ University Mart, UST 07584
1600 Two Notch Road
Columbia, Richland County, South Carolina
SCDOT Work Order No. SMEE-05-008
S&ME Project No. 1614-06-070

UST PROGRAM
DOCKETING # 21462

Dear Mr. Lockman:

S&ME has completed the installation of replacement monitoring wells at the referenced project site. A site location map (Figure 1) is attached. The original wells were designated DW-4, MW-24, and MW-27 and were destroyed during recent road and site improvements. The apparent repositioning of underground storage tanks on the property, and the position of overhead power lines and pump island canopy prevented the replacement of well MW-24 at or near its original location. Ms. Susan Block of the South Carolina Department of Health and Environmental Control (SCDHEC) UST Program was notified by telephone on March 8, 2006 and indicated it would not be necessary to replace well MW-24. The replacement wells are designated as DW-4R and MW-27R and were constructed as close to the original well locations as possible. The approximate well locations are shown on Figure 2 produced from 2004 aerial photography of the site.

A composite soil sample was collected from the soil cuttings generated during the installation of each monitoring well. The laboratory analytical data indicated target compounds in the samples to be above South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Screening Levels (RBSLs). Consequently, this soil was collected and disposed at a licensed facility.

S&ME, Inc.
134 Suber Road
Columbia, South Carolina 29210

(803) 561-9024
(803) 561-9177 fax
www.smeinc.com

The top of casing (TOC) elevations of the replacement wells were surveyed following completion of the wells. This was accomplished by surveying the TOC elevations of the new wells using known TOC elevations from existing wells obtained from previous data provided by SCDHEC. Wells MW-19 and DW-3 were used as a reference for DW-4R, and MW 27R was referenced to MW-28 and MW-29. The surveyed well elevations are presented below.

Monitoring Well ID	TOC Elevation
DW-4R	93.85
MW-27R	92.94

Attached are SCDHEC Form 1903 and S&ME well logs for the replacement wells. A copy of this report including the well logs has been forwarded to the SCDHEC project manager (Ms. Susan Block), as required.

We have also included a site location map, a site map depicting the approximate locations of the new wells, soil laboratory data, and waste disposal manifest.

S&ME appreciates the opportunity to be of continued service to you and the South Carolina Department of Transportation. Please do not hesitate to contact us with any questions or when we may be of further service.

Sincerely,

S&ME, Inc.

Anthony Bell
Environmental Technician

Thomas Behnke, P.G.
Senior Hydrogeologist

cc: Ms. Susan Block, SCDHEC UST Program

S:\ENVIRON\1614-06 JOBS\1614-06-070 SCDOT Clouds Chevron\06-070 mw replacement.doc

Enclosures:
Site Location Map
Well Logs/Form 1903
Waste Disposal Manifest
Soil Laboratory Report



SOURCE: MAPTECH - 1998

SCALE:	NTS
CHECKED BY:	TB
DRAWN BY:	OA
DATE:	4/4/2006

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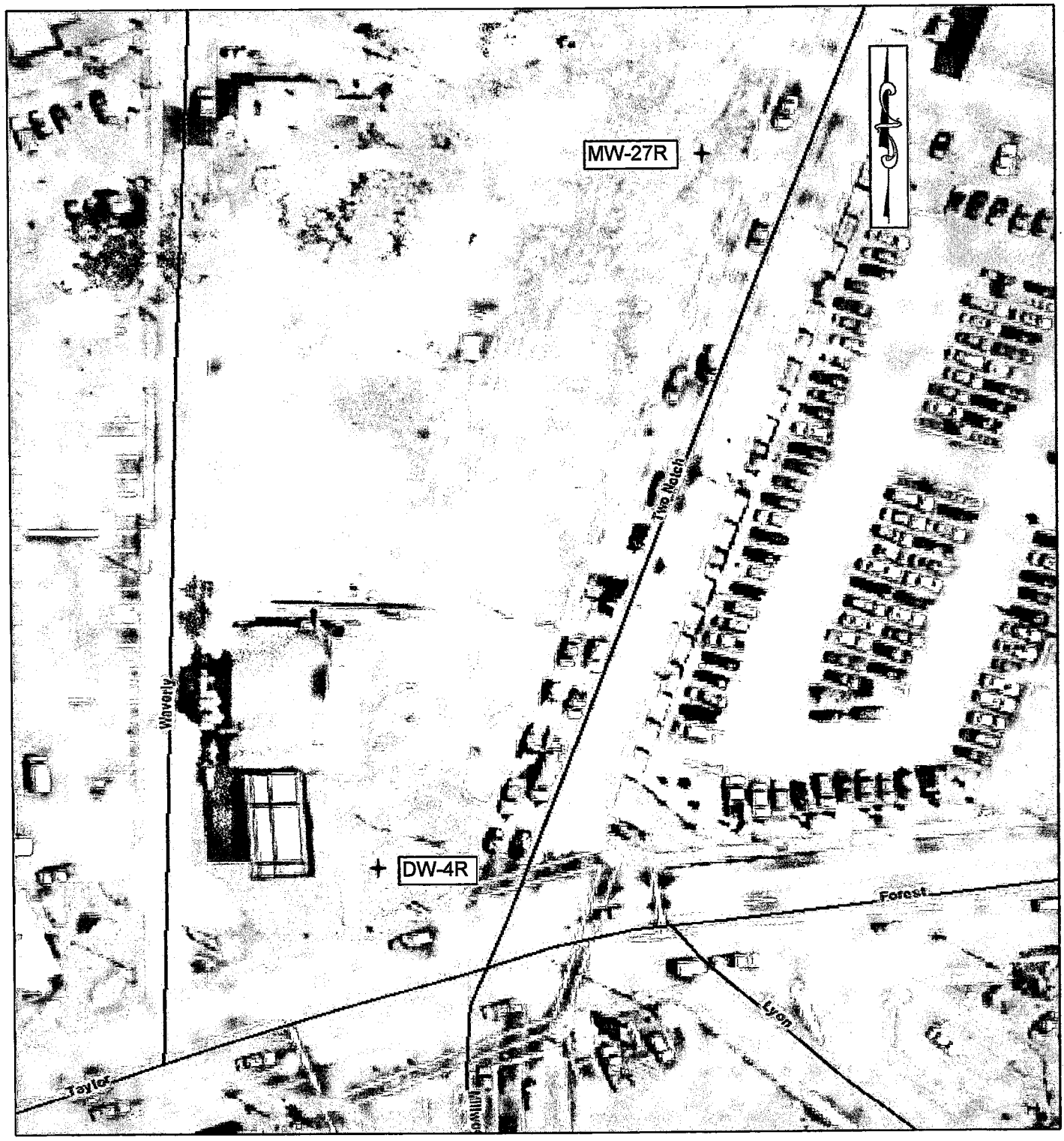
SITE/TOPO MAP
CLOUD'S CHEVRON
COLUMBIA, SOUTH CAROLINA

JOB NO. 1614-06-070

FIGURE NO. 1



+ - Approximate Monitoring Well Location

SOURCE: ***RICHLAND COUNTY GIS***
2004 AERIAL PHOTOGRAPH

SCALE:	NTS
CHECKED BY:	TB
DRAWN BY:	OA
DATE:	4/4/2006
UST PERMIT:	12353

S&ME
ENVIRONMENTAL SERVICES • ENGINEERING • TESTING

SITE AERIAL MAP
CLOUD'S CHEVRON
2367 TAYLOR STREET
COLUMBIA, RICHLAND COUNTY, SOUTH CAROLINA

S&ME PROJECT NO. 1614-06-070

FIGURE NO.
2

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SC DHEC UST Program (last) (first)
Address: 2600 Bull Street
City: Columbia State: SC Zip: 29201-1708
Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: COUNTY: Richland
Name: Clouds Chevron
Street Address: 1600 Two Notch Rd
City: Columbia Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:

4. ABANDONMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS: MW-04R

6. TYPE: ☒ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER:

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☒ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 110 ft. Date Started: 3-14-06 Date Completed: 3-15-06

10. CASING: ☒ Threaded ☐ Welded
Diam.: 4"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
4 in. to 100 ft. depth
2 in. to 105 ft. depth
Height: Above ☐ Below ☒
Surface .25 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☒ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 5'
Set Between: 105 ft. and 110 ft. NOTE: MULTIPLE SCREENS
_____ ft. and _____ ft. USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☒ Yes ☐ No
Installed from 103 ft. to 110 ft.
Effective size #2 Silica Sa Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☐ Cement ☐ Bentonite ☒ Bentonite/Cement ☐ Other _____
Depth: From 95 - 101 ft. to _____ ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe ___ ft. Capacity ___ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Richard T. Miller CERT. NO.: 1556
Address: (Print) 110 Barneycastle Ln Level: A ☐ B ☒ C ☐ D ☐ (circle one)
Bessemer City NC 28016
Telephone No.: 704 852 9439 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Richard T. Miller Well Driller Date: 4-18-06

If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SC DHEC UST Program (last) (first)
Address: 2600 Bull Street
City: Columbia State: SC Zip: 29201-1708
Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: COUNTY: Richland
Name: Clouds Chevron
Street Address: 1600 Two Notch Rd
City: Columbia Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
MW-27R

6. TYPE: ☐ Mud Rotary ☐ Jetted ☒ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER:

8. USE:
☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☒ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 30 ft. Date Started: 3-15-06 Date Completed: 3-15-06

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
_____ in. to _____ ft. depth
_____ in. to _____ ft. depth
Height: Above ☐ Below ☒
Surface .25' ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☒ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10'
Set Between: 20 ft. and 30 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☒ Yes ☐ No
Installed from 18 ft. to 30 ft.
Effective size #2 Silica Sd. Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☒ Bentonite/Cement ☐ Other _____
Depth: From .25 ft. to 16 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ___ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Richard T. Miller CERT. NO.: 1535
Address: (Print) 110 Barney Costa Level: A ☐ B ☒ C ☐ D ☐ (circle one)
Bessemer City NC 28016
Telephone No.: 704 452 9439 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Richard T. Miller Well Driller Date: 4-18-06

If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 25962

2. Page 1 of

3. Generator's Name and Mailing Address
SCDOT
1600 Two Notch Road
Columbia, SC

S&ME
Tom Behnke
803-561-9024

5. Transporter 1 Company Name
Nu-Way Industrial Services

6. US EPA ID Number
SCD987598331

A. Transporter's Phone
(803) 957-8175

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
Vopak
305 South Main Street
Mauldin, SC

10. US EPA ID Number

C. Facility's Phone
864-962-9053

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON-REGULATED NON-HAZARDOUS MATERIAL Soil Profile #	012	DM		P
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

EMERGENCY CONTACT: Open 24 Hrs. NUWAY INDUSTRIAL SERVICES 803-957-8175

NIS # 2006-1213

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
G. Michael Lackman	G Michael Lackman	03	22	06

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR

TRANSPORTER

FACILITY

ORIGINAL - RETURN TO GENERATOR

ACCESS
ANALYTICAL, INC.

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 03/21/2006

GCAL Report 206031810

Deliver To	S&ME 134 Suber Rd Columbia, SC 29210 803-561-9024
Attn	Tom Behnke

Customer S&ME

Project Cloud's Chevron

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates an estimated value
U	Indicates the compound was analyzed for but not detected
B	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
B	(INORGANICS) Indicates the result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

CURTIS EKKER
DATA VALIDATION MANAGER
GCAL REPORT 206031810
Second Tier Data Review By:

Ashley B. Amick, Project Manager
aamick@accessanalyticalinc.com

NOTE: Unless otherwise noted on report all samples analyzed at: GCAL, 7979 CSRI Ave., Baton Rouge, LA 70820-7402. GCAL is **SCDHEC certified lab # 73006**, NELAP certification # 01955

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20603181001	DW-4-M1	Solid	03/17/2006 09:30	03/18/2006 10:45
20603181002	DW-4-M2	Solid	03/17/2006 10:00	03/18/2006 10:45
20603181003	DW-4-P	Water	03/17/2006 10:20	03/18/2006 10:45

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20603181001	DW-4-M1	Solid	03/17/2006 09:30	03/18/2006 10:45

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			250	03/18/2006 16:08	ABD	318073

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	792		ug/Kg
100-41-4	**Ethylbenzene**	**3360**	**792**		**ug/Kg**
91-20-3	**Naphthalene**	**1320**	**792**		**ug/Kg**
108-88-3	**Toluene**	**7780**	**792**		**ug/Kg**
1330-20-7	**Xylene (total)**	**15300**	**792**		**ug/Kg**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	7920	8040	ug/Kg	101	62 - 127
1868-53-7	Dibromofluoromethane	7920	7220	ug/Kg	91	65 - 130
2037-26-5	Toluene d8	7920	8560	ug/Kg	108	71 - 132
17060-07-0	1,2-Dichloroethane-d4	7920	7100	ug/Kg	90	62 - 125

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
03/20/2006 12:30	318237	3550B	1	03/20/2006 16:50	MJJ	318240

CAS#	Parameter	Result	RDL	REG LIMIT	Units
91-57-6	**2-Methylnaphthalene**	**603**	**330**		**ug/Kg**
83-32-9	Acenaphthene	ND	330		ug/Kg
208-96-8	Acenaphthylene	ND	330		ug/Kg
120-12-7	Anthracene	ND	330		ug/Kg
56-55-3	Benzo(a)anthracene	ND	330		ug/Kg
50-32-8	Benzo(a)pyrene	ND	330		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	330		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	330		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	330		ug/Kg
218-01-9	Chrysene	ND	330		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	330		ug/Kg
206-44-0	Fluoranthene	ND	330		ug/Kg
86-73-7	Fluorene	ND	330		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	330		ug/Kg
91-20-3	**Naphthalene**	**367**	**330**		**ug/Kg**
85-01-8	Phenanthrene	ND	330		ug/Kg
129-00-0	Pyrene	ND	330		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1670	1350	ug/Kg	81	33 - 116
321-60-8	2-Fluorobiphenyl	1670	1250	ug/Kg	75	30 - 118
1718-51-0	Terphenyl-d14	1670	1990	ug/Kg	119	26 - 135
4165-62-2	Phenol-d5	3330	3220	ug/Kg	97	25 - 117
367-12-4	2-Fluorophenol	3330	2720	ug/Kg	82	28 - 106
118-79-6	2,4,6-Tribromophenol	3330	2880	ug/Kg	86	17 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20603181002	DW-4-M2	Solid	03/17/2006 10:00	03/18/2006 10:45

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	03/18/2006 15:45	ABD	318073

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	353	247		ug/Kg
100-41-4	Ethylbenzene	948	247		ug/Kg
91-20-3	Naphthalene	444	247		ug/Kg
108-88-3	Toluene	1850	247		ug/Kg
1330-20-7	Xylene (total)	4620	247		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2470	2540	ug/Kg	103	62 - 127
1868-53-7	Dibromofluoromethane	2470	2220	ug/Kg	90	65 - 130
2037-26-5	Toluene d8	2470	2670	ug/Kg	108	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2470	2180	ug/Kg	88	62 - 125

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
03/18/2006 12:30	318086	3550B	1	03/20/2006 15:06	MJJ	318240

CAS#	Parameter	Result	RDL	REG LIMIT	Units
91-57-6	2-Methylnaphthalene	ND	326		ug/Kg
83-32-9	Acenaphthene	ND	326		ug/Kg
208-96-8	Acenaphthylene	ND	326		ug/Kg
120-12-7	Anthracene	ND	326		ug/Kg
56-55-3	Benzo(a)anthracene	ND	326		ug/Kg
50-32-8	Benzo(a)pyrene	ND	326		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	326		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	326		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	326		ug/Kg
218-01-9	Chrysene	ND	326		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	326		ug/Kg
206-44-0	Fluoranthene	ND	326		ug/Kg
86-73-7	Fluorene	ND	326		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	326		ug/Kg
91-20-3	Naphthalene	ND	326		ug/Kg
85-01-8	Phenanthrene	ND	326		ug/Kg
129-00-0	Pyrene	ND	326		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1640	958	ug/Kg	58	33 - 116
321-60-8	2-Fluorobiphenyl	1640	992	ug/Kg	60	30 - 118
1718-51-0	Terphenyl-d14	1640	1420	ug/Kg	86	26 - 135
4165-62-2	Phenol-d5	3290	2110	ug/Kg	64	25 - 117
367-12-4	2-Fluorophenol	3290	1520	ug/Kg	46	28 - 106
118-79-6	2,4,6-Tribromophenol	3290	2830	ug/Kg	86	17 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20603181003	DW-4-P	Water	03/17/2006 10:20	03/18/2006 10:45

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	03/19/2006 13:21	ABD	318114

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	**Benzene**	**510**	**250**		**ug/L**
100-41-4	**Ethylbenzene**	**537**	**250**		**ug/L**
91-20-3	Naphthalene	ND	250		ug/L
108-88-3	**Toluene**	**1730**	**250**		**ug/L**
1330-20-7	**Xylene (total)**	**2630**	**500**		**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2500	2070	ug/L	83	78 - 130
1868-53-7	Dibromofluoromethane	2500	2640	ug/L	106	77 - 127
2037-26-5	Toluene d8	2500	2550	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	2500	2660	ug/L	106	71 - 127

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
03/18/2006 11:30	318087	3510C	1	03/20/2006 04:23	JAR3	318187

CAS#	Parameter	Result	RDL	REG LIMIT	Units
83-32-9	Acenaphthene	ND	10.0		ug/L
208-96-8	Acenaphthylene	ND	10.0		ug/L
120-12-7	Anthracene	ND	10.0		ug/L
56-55-3	Benzo(a)anthracene	ND	10.0		ug/L
50-32-8	Benzo(a)pyrene	ND	10.0		ug/L
205-99-2	Benzo(b)fluoranthene	ND	10.0		ug/L
191-24-2	Benzo(g,h,i)perylene	ND	10.0		ug/L
207-08-9	Benzo(k)fluoranthene	ND	10.0		ug/L
218-01-9	Chrysene	ND	10.0		ug/L
53-70-3	Dibenz(a,h)anthracene	ND	10.0		ug/L
206-44-0	Fluoranthene	ND	10.0		ug/L
86-73-7	Fluorene	ND	10.0		ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	ND	10.0		ug/L
91-20-3	**Naphthalene**	**129**	**10.0**		**ug/L**
85-01-8	Phenanthrene	ND	10.0		ug/L
129-00-0	Pyrene	ND	10.0		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	50	35.7	ug/L	71	43 - 110
321-60-8	2-Fluorobiphenyl	50	35.3	ug/L	71	16 - 128
1718-51-0	Terphenyl-d14	50	41	ug/L	82	47 - 121
4165-62-2	Phenol-d5	100	79.7	ug/L	80*	10 - 76
367-12-4	2-Fluorophenol	100	71.7	ug/L	72	24 - 96
118-79-6	2,4,6-Tribromophenol	100	71.2	ug/L	71	19 - 133

GC/MS Volatiles Quality Control Summary

Analytical Batch 318073	Client ID	MB318073			LCS318073		
Prep Batch N/A	GCAL ID	348649			348650		
	Sample Type	Method Blank			LCS		
	Analytical Date	03/18/2006 08:49			03/18/2006 08:00		
	Matrix	Solid			Solid		
8260B, Volatiles	Units	ug/Kg	Result	Spike Added	Result	% R	Control Limits % R
100-41-4 Ethylbenzene		ND	250	1250	1320	106	80 - 120
108-88-3 Toluene		ND	250	1250	1300	104	80 - 120
1330-20-7 Xylene (total)		ND	250	3750	3820	102	80 - 120
71-43-2 Benzene		ND	250	1250	1230	98	80 - 120
91-20-3 Naphthalene		ND	250	1250	1080	86	62 - 146
Surrogate							
460-00-4 4-Bromofluorobenzene		2480	99	2500	2560	102	62 - 127
1868-53-7 Dibromofluoromethane		2270	91	2500	2410	96	65 - 130
2037-26-5 Toluene d8		2710	108	2500	2670	107	71 - 132
17060-07-0 1,2-Dichloroethane-d4		2290	92	2500	2270	91	62 - 125

Analytical Batch 318073	Client ID	T1168-060317-01-SS03-N		348596MS			348596MSD			
Prep Batch N/A	GCAL ID	20603173503		348652			348653			
	Sample Type	SAMPLE		MS			MSD			
	Analytical Date	03/18/2006 09:45		03/18/2006 10:52			03/18/2006 11:15			
	Matrix	Solid		Solid			Solid			
8260B, Volatiles	Units	ug/Kg	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
100-41-4 Ethylbenzene	0.00	245	1230	1320	108	80 - 120	1250	102	5	30
108-88-3 Toluene	0.00	245	1230	1230	100	80 - 120	1210	99	2	21
1330-20-7 Xylene (total)	0.00	245	3680	3790	103	80 - 120	3630	99	4	30
71-43-2 Benzene	0.00	245	1230	1240	101	80 - 120	1170	95	6	21
91-20-3 Naphthalene	0.00	245	1230	1070	87	62 - 146	1020	83	5	30
Surrogate										
460-00-4 4-Bromofluorobenzene			2450	2630	107	62 - 127	2560	104		
1868-53-7 Dibromofluoromethane			2450	2400	98	65 - 130	2320	95		
2037-26-5 Toluene d8			2450	2540	104	71 - 132	2580	105		
17060-07-0 1,2-Dichloroethane-d4			2450	2300	94	62 - 125	2240	91		

GC/MS Volatiles Quality Control Summary

Analytical Batch 318114	Client ID	MB318114			LCS318114		
Prep Batch N/A	GCAL ID	348771			348772		
	Sample Type	Method Blank			LCS		
	Analytical Date	03/19/2006 08:57			03/19/2006 08:08		
	Matrix	Water			Water		
8260B, Volatiles		**Units**	**ug/L**	**Spike Added**	**Result**	**% R**	**Control Limits % R**
			Result				
100-41-4	Ethylbenzene	ND	5.00	25.0	22.9	92	80 - 125
108-88-3	Toluene	ND	5.00	25.0	23.6	94	80 - 124
1330-20-7	Xylene (total)	ND	10.0	75.0	69.8	93	80 - 129
71-43-2	Benzene	ND	5.00	25.0	24.5	98	80 - 120
91-20-3	Naphthalene	ND	5.00	25.0	21.2	85	67 - 149
Surrogate							
460-00-4	4-Bromofluorobenzene	40.3	81	50	41.2	82	78 - 130
1868-53-7	Dibromofluoromethane	52.3	105	50	52.8	106	77 - 127
2037-26-5	Toluene d8	51.8	104	50	51.1	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	54.2	108	50	53.4	107	71 - 127

Analytical Batch 318114	Client ID	Q1-06-DW-3			348581MS			348581MSD			
Prep Batch N/A	GCAL ID	20603173412			348774			348775			
	Sample Type	SAMPLE			MS			MSD			
	Analytical Date	03/19/2006 10:13			03/19/2006 11:18			03/19/2006 11:42			
	Matrix	Water			Water			Water			
8260B, Volatiles		**Units**	**ug/L**	**Spike Added**	**Result**	**% R**	**Control Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
			Result								
100-41-4	Ethylbenzene	176	20.0	100	240	64*	80 - 125	231	55*	4	30
108-88-3	Toluene	0.00	20.0	100	84.1	84	80 - 124	87.0	87	3	30
71-43-2	Benzene	0.00	20.0	100	90.7	91	80 - 120	87.9	88	3	30
Surrogate											
460-00-4	4-Bromofluorobenzene			200	166	83	78 - 130	171	86		
1868-53-7	Dibromofluoromethane			200	214	107	77 - 127	214	107		
2037-26-5	Toluene d8			200	197	99	76 - 134	206	103		
17060-07-0	1,2-Dichloroethane-d4			200	214	107	71 - 127	220	110		

GC/MS Semi-Volatiles Quality Control Summary

Analytical Batch 318187	Client ID	MB318087			LCS318087			LCSD318087			
Prep Batch 318087	GCAL ID	348726			348727			348728			
Prep Method 3510C	Sample Type	Method Blank			LCS			LCSD			
	Prep Date	03/18/2006 11:30			03/18/2006 11:30			03/18/2006 11:30			
	Analytical Date	03/20/2006 03:38			03/20/2006 03:53			03/20/2006 04:08			
	Matrix	Water			Water			Water			
8270C, SemiVolatiles		**Units**	ug/L	**Spike Added**	**Result**	**% R**	**Control Limits**	**Result**	**% R**	**RPD**	**RPD Limit**
120-12-7	Anthracene	ND	10.0	100	79.8	80	58 - 113	80.9	81	1	50
129-00-0	Pyrene	ND	10.0	100	72.4	72	54 - 117	77.6	78	7	30
191-24-2	Benzo(g,h,i)perylene	ND	10.0	100	72.0	72	44 - 132	72.0	72	0	50
193-39-5	Indeno(1,2,3-cd)pyrene	ND	10.0	100	83.5	84	43 - 133	80.9	81	3	50
205-99-2	Benzo(b)fluoranthene	ND	10.0	100	65.2	65	55 - 116	67.9	68	4	50
206-44-0	Fluoranthene	ND	10.0	100	85.6	86	55 - 118	87.3	87	2	50
207-08-9	Benzo(k)fluoranthene	ND	10.0	100	78.3	78	49 - 121	74.6	75	5	50
208-96-8	Acenaphthylene	ND	10.0	100	91.9	92	55 - 104	92.9	93	1	50
218-01-9	Chrysene	ND	10.0	98.0	77.9	79	58 - 117	81.3	83	4	50
50-32-8	Benzo(a)pyrene	ND	10.0	100	81.6	82	56 - 118	86.9	87	6	50
53-70-3	Dibenz(a,h)anthracene	ND	10.0	100	75.4	75	50 - 138	72.8	73	4	50
56-55-3	Benzo(a)anthracene	ND	10.0	100	75.7	76	56 - 113	77.8	78	3	50
83-32-9	Acenaphthene	ND	10.0	100	78.7	79	52 - 108	76.6	77	3	32
85-01-8	Phenanthrene	ND	10.0	100	76.5	77	58 - 111	80.2	80	5	50
86-73-7	Fluorene	ND	10.0	100	81.2	81	54 - 111	84.6	85	4	50
91-20-3	Naphthalene	ND	10.0	100	75.1	75	44 - 102	77.3	77	3	50
Surrogate											
4165-60-0	Nitrobenzene-d5	36.8	74	50	41.3	83	43 - 110	41	82		
321-60-8	2-Fluorobiphenyl	36.7	73	50	41	82	16 - 128	38.5	77		
1718-51-0	Terphenyl-d14	43	86	50	41.4	83	47 - 121	42.2	84		
4165-62-2	Phenol-d5	80.7	81*	100	83.1	83*	10 - 76	84.2	84*		
367-12-4	2-Fluorophenol	72.2	72	100	76.2	76	24 - 96	78.1	78		
118-79-6	2,4,6-Tribromophenol	82.4	82	100	91.6	92	19 - 133	97.9	98		

GC/MS Semi-Volatiles Quality Control Summary

Analytical Batch 318240	Client ID	MB318086			LCS318086			LCSD318086			
Prep Batch 318086	GCAL ID	348720			348721			348722			
Prep Method 3550B	Sample Type	Method Blank			LCS			LCSD			
	Prep Date	03/18/2006 12:30			03/18/2006 12:30			03/18/2006 12:30			
	Analytical Date	03/20/2006 10:25			03/20/2006 10:40			03/20/2006 10:55			
	Matrix	Solid			Solid			Solid			
8270C, SemiVolatiles		**Units**	ug/Kg	**Spike Added**	**Result**	**% R**	**Control Limits**	**Result**	**% R**	**RPD**	**RPD Limit**
120-12-7	Anthracene	ND	330	3330	701	21*	60 - 108	717	22*	2	19
129-00-0	Pyrene	ND	330	3330	798	24*	39 - 135	880	26*	10	26
191-24-2	Benzo(g,h,i)perylene	ND	330	3330	636	19*	46 - 128	638	19*	0.3	19
193-39-5	Indeno(1,2,3-cd)pyrene	ND	330	3330	657	20*	43 - 132	599	18*	9	33
205-99-2	Benzo(b)fluoranthene	ND	330	3330	692	21*	56 - 110	716	21*	3	24
206-44-0	Fluoranthene	ND	330	3330	690	21*	54 - 108	646	19*	7	20
207-08-9	Benzo(k)fluoranthene	ND	330	3330	692	21*	55 - 113	713	21*	3	31
208-96-8	Acenaphthylene	ND	330	3330	784	24*	57 - 105	811	24*	3	18
218-01-9	Chrysene	ND	330	3270	723	22*	61 - 111	751	23*	4	19
50-32-8	Benzo(a)pyrene	ND	330	3330	718	22*	62 - 110	709	21*	1	16
53-70-3	Dibenz(a,h)anthracene	ND	330	3330	608	18*	50 - 135	614	18*	1	23
56-55-3	Benzo(a)anthracene	ND	330	3330	676	20*	60 - 107	704	21*	4	19
83-32-9	Acenaphthene	ND	330	3330	684	21*	41 - 120	698	21*	2	19
85-01-8	Phenanthrene	ND	330	3330	668	20*	59 - 107	688	21*	3	18
86-73-7	Fluorene	ND	330	3330	702	21*	54 - 106	719	22*	2	16
91-20-3	Naphthalene	ND	330	3330	648	19*	53 - 107	676	20*	4	18
91-57-6	2-Methylnaphthalene	ND	330	3330	676	20*	53 - 110	702	21*	4	18
Surrogate											
4165-60-0	Nitrobenzene-d5	367	22*	1670	376	23*	33 - 116	384	23*		
321-60-8	2-Fluorobiphenyl	355	21*	1670	358	21*	30 - 118	362	22*		
1718-51-0	Terphenyl-d14	384	23*	1670	444	27	26 - 135	459	28		
4165-62-2	Phenol-d5	866	26	3330	833	25	25 - 117	840	25		
367-12-4	2-Fluorophenol	699	21*	3330	672	20*	28 - 106	710	21*		
118-79-6	2,4,6-Tribromophenol	696	21	3330	736	22	17 - 120	740	22		

GC/MS Semi-Volatiles Quality Control Summary

Analytical Batch 318240	Client ID	MB318237			LCS318237			LCSD318237			
Prep Batch 318237	GCAL ID	349300			349301			349302			
Prep Method 3550B	Sample Type	Method Blank			LCS			LCSD			
	Prep Date	03/20/2006 12:30			03/20/2006 12:30			03/20/2006 12:30			
	Analytical Date	03/20/2006 16:05			03/20/2006 16:20			03/20/2006 16:35			
	Matrix	Solid			Solid			Solid			
8270C, SemiVolatiles	**Units**	ug/Kg	**Spike Added**	**Result**	**Result**	**% R**	**Control Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
120-12-7 Anthracene		ND	330	3330	2590	78	60 - 108	2670	80	3	19
129-00-0 Pyrene		ND	330	3330	3150	95	39 - 135	3240	97	3	26
191-24-2 Benzo(g,h,i)perylene		ND	330	3330	3780	113	46 - 128	3480	104	8	19
193-39-5 Indeno(1,2,3-cd)pyrene		ND	330	3330	4340	130	43 - 132	3660	110	17	33
205-99-2 Benzo(b)fluoranthene		ND	330	3330	2730	82	56 - 110	3170	95	15	24
206-44-0 Fluoranthene		ND	330	3330	2400	72	54 - 108	2510	75	4	20
207-08-9 Benzo(k)fluoranthene		ND	330	3330	2630	79	55 - 113	2510	75	5	31
208-96-8 Acenaphthylene		ND	330	3330	3060	92	57 - 105	3350	101	9	18
218-01-9 Chrysene		ND	330	3270	2760	84	61 - 111	2850	87	3	19
50-32-8 Benzo(a)pyrene		ND	330	3330	2920	88	62 - 110	3020	91	3	16
53-70-3 Dibenz(a,h)anthracene		ND	330	3330	3380	101	50 - 135	3120	94	8	23
56-55-3 Benzo(a)anthracene		ND	330	3330	3160	95	60 - 107	3010	90	5	19
83-32-9 Acenaphthene		ND	330	3330	2430	73	41 - 120	2490	75	2	19
85-01-8 Phenanthrene		ND	330	3330	2420	73	59 - 107	2570	77	6	18
86-73-7 Fluorene		ND	330	3330	2580	77	54 - 106	2520	76	2	16
91-20-3 Naphthalene		ND	330	3330	2360	71	53 - 107	2360	71	0.8	18
91-57-6 2-Methylnaphthalene		ND	330	3330	2380	71	53 - 110	2420	73	2	18
Surrogate											
4165-60-0 Nitrobenzene-d5		1390	83	1670	1470	88	33 - 116	1480	89		
321-60-8 2-Fluorobiphenyl		1290	77	1670	1390	83	30 - 118	1450	87		
1718-51-0 Terphenyl-d14		1670	100	1670	1960	118	26 - 135	1930	116		
4165-62-2 Phenol-d5		2890	87	3330	3200	96	25 - 117	3050	92		
367-12-4 2-Fluorophenol		2540	76	3330	2910	87	28 - 106	2880	86		
118-79-6 2,4,6-Tribromophenol		2880	86	3330	3270	98	17 - 120	2930	88		

CHAIN OF CUSTODY RECORD

S&ME
ENVIRONMENTAL SERVICES
ENGINEERING • TESTING

P.O. No.: _____
Branch: _____
Department: _____

S&ME Job No.	Project Name
1614-06-270	Clark's Chevron

Samplers: (signature)

Station No.	Date	Time	Comp.	Grab		Number of Containers	TEX	Naph	BAH				REMARKS
DW-4-D	3-17-06	10 hr	✓		Purge water	4	✓	✓	✓				-3
DW-4-SS1	3-17-06	9:30	✓		Drillers mud composite 1	3	✓	✓	✓				Sample of sludge from boiler mud -1
Duplicate 2									*				
DW-4-SS2	3-17-06	10:00	✓		Drillers mud composite 2	2	✓	✓	✓				Sample of sludge from drillers mud. -2
													★ Rush need by 3/22

Relinquished by: (signature)	Date:	Time:	Received by: (signature)	Relinquished by: (signature)	Date:	Time:	Received by: (signature)
Andy Bell	3/17/06	1315	Lou Hatter	Lou Hatter	3/17/06	1700	Fed Ex
Relinquished by: (signature)	Date:	Time:	Received by: (signature)	Relinquished by: (signature)	Date:	Time:	Received by: (signature)
Fed Ex	3/18/06	1045					
Relinquished by: (signature)	Date:	Time:	Received by: (Signature)	Remarks			
				36 hour turn around.			3

S&ME SFP-004 (REV. 5/93)

This document was prepared pursuant to a specific agreement to address the unique requirements of an S&ME client. Prior to further use, an S&ME professional should be contacted for a complete explanation of its preparation and contents.

ARM ENVIRONMENTAL SERVICES, INC.

ASSESSMENT & REMEDIAL SERVICES

RECEIVED

JAN 0 4 2006

UNDERGROUND STORAGE TANK PROGRAM

TRANSMITTAL COVER SHEET

TO: **Mr. Art Shrader, Hydrogeologist**

COMPANY: **SCDHEC, UST Program**

FROM: **ARM Environmental Services, Inc.**

RE: **Fast Point / Simba Express #2; Disposal Manifest**
2367 Taylor Street, Columbia, SC
Site ID #07584
Richland County, South Carolina

DATE: **January 2, 2006**

ENCLOSED: **Disposal Manifest**

TRANSMITTAL VIA: **_X_ Standard US Mail** **___ Priority US Mail**
___ Overnight Courier **___ Hand Delivery**

COMMENTS:

Please find the disposal manifest associated with the recent well replacement completed at the site by ARM included for your records.

Please call us with any questions or if you need additional information.

We appreciate the opportunity to assist you with this project.

Sincerely,
ARM Environmental Services, Inc.

Obadiah Bowen
Staff Geologist

UST PROGRAM DOCKETING # 212Tech

1210 1st STREET SOUTH EXTENSION / COLUMBIA, SC 29209 / phone 803-783-3314 fax 803-783-2587

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. . . . . SCR0110 | Manifest Document No. . . . . | 2. Page 1 of

3. Generator's Name and Mailing Address
FOST POINT
2367 TAYLOR STREET
COLUMBIA, SC

4. Generator's Phone ( )

5. Transporter 1 Company Name
ARM ENVIRONMENTAL

6. US EPA ID Number . . . . . | A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number . . . . . | B. Transporter's Phone

9. Designated Facility Name and Site Address
U S K TANK SERVICES
5378 BROAD STREET EXT
SUMTER, SC 29154
987573557

10. US EPA ID Number . . . . . | C. Facility's Phone
800-800-6840

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. NON HAZARDOUS PETROLEUM CONTAMINANTED WATER PROFILE #738	2	DM		
b. NON HAZARDOUS PETROLEUM CONTAMINATED SOIL PROFILE #738	9	DM		
c.				
d.				

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
ARM ENVIRONMENTAL
P.O. BOX 50285
COLUMBIA, SC 29250

RECEIVED
JAN 04 2006
UNDERGROUND STORAGE TANK PROGRAM

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name | Signature | Month | Day | Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name | Signature | Month 12 | Day 13 | Year 05

GENERATOR
TRANSPORTER
FACILITY

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

TRANSPORTER #2

12-BLC-M

DECLASSIFIED

CONSULTECH ENVIRONMENTAL, INC.

December 28, 2005

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JAN 03 2006
UNDERGROUND STORAGE
TANK PROGRAM

Ms. Susan Block
Hydrogeologist
NE SC Corrective Action Branch
South Carolina Department of Health and Environmental Control
Division of Underground Storage Tank Management
2600 Bull Street
Columbia, South Carolina 29201-1708

Re: Initial Monitoring Report
Handy Pantry #65 & Cloud's Chevron
Columbia, Richmond County, SC
SCDHEC Facility ID # 07584 & # 07777/123521
PO # 608618, PO #608620, and PO # 608622
IFB-29012-10-10/18/05-EMW
Consultech Project C-05-11-201

Dear Ms. Block:

Consultech Environmental, Inc. (Consultech) is pleased to present this Initial Groundwater Monitoring Report for the above referenced facility. Should you have any questions regarding this report or the project in general, please do not hesitate to contact us at (678) 377-0400, ext. 218.

Sincerely,

CONSULTECH ENVIRONMENTAL, INC.

Kenneth L. Brooke

Kenneth L. Brooke, P.E.
Project Manager

UST PROGRAM
DOCKETING # 213 Tech

cc: File C-05-11-201
Distribution List

1800 MacLeod Drive, Suite F * Lawrenceville, GA 30043-5376
678 377-0400 * FAX 678 377-0051

Initial Monitoring Report

Former Handy Pantry #65
UST Permit # 07584
2367 Taylor Street

and

Cloud's Chevron
UST Permits #s 07777/12352
1600 Two Notch Road
Columbia, South Carolina

Prepared for:
SCDHEC
2600 Bull Street
Columbia, SC 29201-1708

RECEIVED
JAN 0 3 2006
UNDERGROUND STORAGE
TANK PROGRAM

Prepared by:
Consultech Environmental, Inc.
1800 MacLeod Drive, Suite F
Lawrenceville, Georgia 30043-5736

James R. Wilson, P.G.
Sr. Project Manager

Kenneth L. Brooke, P.E.
Project Manager

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 24310 KENNETH L. BROOKE

December 2005

Consultech Project No.: C-05-11-201

Initial Monitoring Report

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List of Appendices

Appendix 1	Groundwater Laboratory Analytical Results

Initial Monitoring Report

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1.0 Project Summary

The Former Handy Pantry #65 (former Simba Express #2 and currently Fast Point #24) is located at 2367 Taylor Street, and the Former Cloud's Chevron (currently a parking lot for Providence Hospital) is located at 1600 Two Notch Road in Columbia, South Carolina (see Figure 1). Based upon the information released by the South Carolina Department of Health and Environmental Control (SCDHEC), Total Fluids Removal – Advanced Fluid Vapor Recovery (AFVR) or Multi-Mobile Multi-Phase Extraction (MMPE), and In-situ Air Sparging (IAS), are the selected technologies that will be used to remediate the groundwater contaminate plume at this site. This report presents the initial groundwater monitoring results for the sampling event conducted on November 16, 2005.

2.0 Groundwater Monitoring Results

Consultech personnel gauged the following monitoring wells: MW-1 through MW-13, MW-15 through MW-20, MW-22, MW-23, MW-25, MW-26, MW-28 through MW-59, MW-61 through MW-70, MW-5aR, PW-1R, RW-1R, DW-1 through DW-3, and DW-5 through DW-9 for groundwater elevations and for liquid phase hydrocarbons (LPH). The following monitoring wells were not gauged for the reason stated: there is no monitoring well MW-14, MW-21 is destroyed, MW-24 is paved over, MW-27 is under gravel, MW-60 was not located, and DW-4 was paved over.

LPH or free product was found in the following wells with the indicated depth: MW-3 at 0.19 ft., MW-10 at 0.07 ft., MW-17 at 0.02 ft., and MW-18 at 0.03 ft.

The groundwater elevations for the shallow wells ranged between 74.28 feet in monitoring well MW-8 and 63.24 feet in MW-59. Fluid level measurements were taken to create a groundwater elevation contour map for the shallow wells as presented in Figure 2A. Figure 2A presents sets of contours that show western flow in the vicinity of monitoring well MW-69 and northeastern flow in the area from the Food Lion Shopping Center to Benedict College Visitor Center. However, the shallow groundwater at this site flows generally toward the southwest (Figure 2A). The shallow groundwater has an average hydraulic gradient between MW-8 and MW-59 of 0.0116 ft/ft.

The groundwater elevations for the deep wells ranged from 68.82 in monitoring well DW-3 and 47.19 in monitoring well DW-8 as illustrated in Figure 2B. The deep groundwater at this site flows generally toward the southwest. The shallow groundwater has an average hydraulic gradient between DW-3 and DW-8 of 0.0263 ft/ft. Table 1A provides a summary of the groundwater elevations. Table 1B presents a summary of the groundwater field parameter measurements. Figures 3A through 3E are graphs showing the elevations of monitoring wells over time.

3.0 Groundwater Sampling Results

Consultech personnel collected groundwater samples from monitoring wells: MW-1 through MW-13, MW-15 through MW-20, MW-22 through MW-59, MW-61 through MW-70, MW-5aR, PW-1R, RW-1R, DW-1 through DW-3, and DW5 through DW-9 for groundwater elevations and for liquid phase hydrocarbons (LPH).

The following monitoring wells were not sampled for the reason stated: there is no monitoring well MW-14, MW-21 is destroyed, MW-24 is paved over, MW-27 is under gravel, MW-60 was not located, and DW-4 was paved over.

Free product was found in the following wells with the indicated depth: MW-3 at 0.19 ft., MW-10 at 0.07 ft., MW-17 at 0.02 ft., and MW-18 at 0.03 ft. To determine the magnitude of dissolved chemicals of concern, the groundwater under the free product was sampled monitoring wells MW-3, MW-10, MW-17, and MW-18. These monitoring wells were not considered in the comparison to previous analytical data for the chemicals of concern.

Please reference Consultech's Standard Operating Procedures document dated October 2002 for detailed sampling protocol. The groundwater analytical results are shown on Table 2. Laboratory data sheets and chain-of-custody forms are included under Appendix 1.

A comparison was made between the November 16, 2005 groundwater analytical results and previous analytical data (April 19 –21 and May 17-18, 2005), except for well that contained free product. The following paragraphs discuss this comparison for the chemicals of concern.

Benzene

The dissolved benzene concentration decreased in monitoring wells MW-5, MW-6, MW-11, MW-12, MW-15, MW-25, MW-31, MW-33, MW-34, MW-36, MW-37, MW-39, MW-40 through MW-42, MW-47, MW-53, MW-58, MW-64 through MW-66, MW-68, RW-1R, DW-2, DW-3, DW-7, and DW-9. The dissolved benzene concentration increased in monitoring wells MW-2, MW-9, MW-19, MW-20, MW-22, MW-23, MW-28, MW-29, MW-32, MW-35, MW-54 through MW-57, MW-5aR, PW-1R, DW-5, and SW-1.

The dissolved benzene concentrations remained less than the detection limit for the following wells: MW-1, MW-4, MW-7, MW-8, MW-13, MW-16, MW-26, MW- 30, MW-38, MW-43 through MW-46, MW-48 through MW-52, MW-59, MW-61 through MW-63, MW-67, MW-69, MW-70, DW-1, DW-6, and DW-8.

The following wells were higher than the SSTLs for benzene: MW-2, MW-3, MW-5, MW-9, MW-10, MW-15, MW-17, MW-18, MW-19, MW-20, MW-22, MW-23, MW-25, MW-32 through MW-37, MW-39, MW-40, MW-54, MW-55, MW-57, MW-58, MW-64, MW-5aR, RW-1R, DW-3, and DW-7.

MTBE

The dissolved MTBE concentration decreased in monitoring wells: MW-2, MW-9, MW-12, MW-15, MW-16, MW-20, MW-22, MW-25, MW-31, MW-35, MW-36, MW-39, MW-40, MW-64, MW-65, PW-1R, RW-1R, DW-2, and DW-3. The dissolved MTBE concentration increased in the following wells: MW-4, MW-5, MW-11, MW-19, MW-23, MW-28, MW-29, MW-33, MW-34, MW-37, MW-54, MW-55, MW-57, MW-58, MW-5aR, DW-7, and SW-1. The dissolved MTBE concentrations remained less than detection for the following wells: MW-1, MW-6, MW-7, MW-8, MW-13, MW-16, MW-26, MW-30, MW-38, MW-41through MW-53, MW-56, MW-59, MW-61 through MW-63, MW-66 through MW-70, DW-1, DW-5, DW-6, DW-8, and DW-9.

The following wells were higher than the SSTLs for MTBE: MW-2, MW-3, MW-5, MW-10, MW-11, MW-17, MW-18, MW-19, MW-23, MW-33, MW-34, MW-37, MW-54, MW-55, MW-57, MW-58, MW-5aR, and DW-7.

Naphthalene

The dissolved naphthalene concentration decreased in monitoring wells: MW-2, MW-6, MW-12, MW-15, MW-19, MW-20, MW-25, MW-31 through MW-34, MW-37, MW-39 though MW-42, MW-64, MW-65, MW-66, RW-1R, and DW-3. The dissolved naphthalene concentration increased in monitoring wells: MW-5, MW-9, MW-11, MW-16, MW-22, MW-23, MW-28, MW-29, MW-35, MW-36, MW-46, MW-54, MW-55 through MW-58, MW-5aR, PW-1R, DW-5, DW-7, and SW-1.

The dissolved naphthalene concentrations remained less than detection for the following wells: MW-1, MW-4, MW-7, MW-8, MW-13, MW-26, MW-30, MW-38, MW-43 through MW-45, MW-47 through MW-53, MW-59, MW-61 through MW-63, MW-67 through MW-70, DW-1, DW-2, DW-6, DW-8, and DW-9.

The following wells were higher than the SSTLs for naphthalene: MW-2, MW-3, MW-5, MW-9, MW-10, MW-11, MW-12, MW-15, MW-17 through MW-20, MW-22, MW-23, MW-25, MW-34, MW-35, MW-36, MW-54 through MW-58, MW-5aR, and DW-7.

EDB

The dissolved EDB concentration decreased in monitoring wells: MW-5, MW-12, MW-19, MW-22, MW-28, MW-30, MW-36, MW-37, MW-41, MW-42, MW-64, MW-65, MW-5aR, RW-1R, DW-3, and DW-6. The dissolved EDB concentration increased in monitoring wells: MW-2, MW-4, MW-9, MW-23, MW-32, MW-34, MW-35, MW-38, MW-39, MW-47, MW-48, MW-49, MW-53, MW-54, MW-55, MW-57, MW-58, MW-59, PW-1R, DW-5, and DW-7.

The following monitoring wells than remained less than detection limit of 0.02 µg/l: MW-1, MW-6 through MW-8, MW-11, MW-13, MW-15, MW-16, MW-20, MW-25, MW-26, MW-29, MW-31, MW-33, MW-38, MW-43 through MW-46, MW-50 through MW-52, MW-56, MW-61 through MW-63, MW-66 through MW-70, DW-1, DW-8, and SW-1.

The following wells were higher than the SSTLs for EDB: MW-2, MW-3, MW-9, MW-10, MW-17, MW-18, MW-23, MW-32, MW-34, MW-35, MW-39, MW-40, MW-47, MW-54, MW-55, MW-57, MW-5aR, and DW-7.

Oxygenates

The dissolved oxygenates concentration decreased in the following monitoring wells: MW-1, MW-2, MW-6, MW-9, MW-12, MW-15, MW-16, MW-19, MW-22, MW-33, MW-35 through MW-37, MW-39 through MW-42, MW-47, MW-53, MW-58, MW-64, MW-65, RW-1R, DW-3, SW-1.

The dissolved oxygenates concentration increased in the following monitoring wells: MW-4, MW-5, MW-7, MW-8, MW-11, MW-13, MW-20, MW-23, MW-25, MW-26, MW-28 through MW-32, MW-34, MW-38, MW-43 through MW-46, MW-48 through MW-52, MW-54 through MW-57, MW-59, MW-61 through MW-63, MW-66 through MW-70, MW-5aR, PW-1R, DW-1, DW-2, and DW-5 through DW-8.

Table 2A provides a summary of the BTEX, MTBE, naphthalene, and EDB concentrations for the monitoring wells at the site. The summary of the oxygenate concentrations for the site monitoring well are listed in Table 2B. Table 3A presents the mass reduction calculations for BTEX, MTBE, naphthalene, and EDB. Table 3B contains the mass reduction calculations for the oxygenates and the total mass reduction calculations for the current monitoring event.

Figures 4A through 4D present groundwater concentration maps for BTEX, MTBE, naphthalene, and EDB. Figures 5A through 5D show the groundwater concentration maps for the eight oxygenates.

Total Mass Concentration

According to Tables 3A and 3B, Mass Reduction Calculations, there has been an approximate -51 percent decrease in mass above the SSTL's for BTEX, MTBE, naphthalene and EDB and –111 percent decrease in mass above the SSTLs for the oxygenates. The total mass reduction for the listed chemicals of concern is –107 percent. Figures 6A through 6C illustrates the trend for total mass per well for this site.

4.0 Conclusions and Recommendations

The groundwater at the site flows generally to the southwest of the site as illustrated in Figures 2A and 2B. Free product was found in the following wells with the indicated depth: MW-3 at 0.19 ft., MW-10 at 0.07 ft., MW-17 at 0.02 ft., and MW-18 at 0.03 ft. Consultech is prepared to install the proposed remediation system when authorized by SCDHEC. The next sampling event will occur approximately 90 days after the start-up of the proposed remediation system.

TABLES

TABLE 1A
Groundwater Elevation Data (ft)
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777/12352

Monitoring Well	Date	Depth of Screen Below Ground Surface	TOC Elevation	Depth to Product from TOC	Depth to Water from TOC	Groundwater Elevation
MW-1	12/30/03	17.0-27.0	104.67		21.45	83.22
	02/08/05		93.89		22.95	70.94
	04/19/05		93.89		22.89	71.00
	11/16/05		93.89		20.89	73.00
MW-2	12/30/03	20.0-30.0	105.5		23.30	82.19
	02/08/05		94.7		24.13	70.57
	04/19/05		94.7		24.08	70.62
	11/16/05		94.7		23.30	71.40
MW-3	12/30/03	19.0-29.0	105.22		23.44	81.78
	02/08/05		94.45	23.30	30.04	64.41
	04/19/05		94.45	23.70	24.13	70.32
LPH	11/16/05	0.19	94.45	23.11	23.30	71.15
MW-4	12/30/03	18.0-28.0	105.64		21.29	84.35
	02/08/05		94.85		22.34	72.51
	04/19/05		94.85		22.89	71.96
	11/16/05		94.85		21.53	73.32
MW-5	12/30/03	16.0-26.0	105.59		22.92	82.67
	04/19/05		95.26		23.58	71.68
	11/16/05		95.26		23.09	72.17
MW-6	12/30/03	20.0-30.0	105.77		23.55	82.22
	02/08/05		94.96		24.43	70.53
	04/19/05		94.96		24.30	70.66
	11/16/05		94.96		22.74	72.22
MW-7	12/30/03	20.0-30.0	106.76		23.59	83.17
	02/08/05		95.93		24.54	71.39
	04/19/05		95.93		24.52	71.41
	11/16/05		95.93		22.95	72.98
MW-8	12/30/03	18.5-28.5	105.57		20.28	85.29
	02/08/05		94.79		21.93	72.86
	04/19/05		94.79		21.90	72.89
	11/16/05		94.79		20.51	74.28
MW-9	12/30/03	20.0-30.0	103.77	22.74	22.75	81.02
	04/19/05		92.3		23.54	68.76
	11/16/05		92.3		23.03	69.27

TABLE 1A
Groundwater Elevation Data (ft)
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777/12352

Monitoring Well	Date	Depth of Screen Below Ground Surface	TOC Elevation	Depth to Product from TOC	Depth to Water from TOC	Groundwater Elevation
MW-10	12/30/03	18.0-28.0	97.38		17.44	79.94
	02/08/05		85.98	17.85	18.98	67.00
	04/19/05		85.98	17.73	18.52	67.46
LPH	11/16/05	0.07	85.98	18.07	18.14	67.84
MW-11	12/30/03		99.81		19.57	80.24
	02/08/05		88.46		20.36	68.10
	04/19/05		88.46		20.17	68.29
	11/16/05		88.46		20.13	68.33
MW-12	12/30/03		84.16		4.75	79.41
	02/08/05		72.8		5.57	67.23
	04/19/05		72.8		5.25	67.55
	11/16/05		72.8		6.85	65.95
MW-13	12/30/03		92.24		12.18	80.06
	02/08/05		80.44		12.17	68.27
	04/21/05		80.44		12.05	68.39
	11/16/05		80.44		12.56	67.88
MW-15	12/30/03	15.0-25.0	97.9	17.56	17.58	80.29
	02/08/05		86.44	18.31	18.34	68.10
	04/21/05		86.44		18.14	68.30
	11/16/05		86.44		17.86	68.58
MW-16	12/30/03	15.0-25.0	99.57		18.95	80.62
	02/08/05		88.19		19.87	68.32
	04/21/05		88.19		19.60	68.59
	11/16/05		88.19		18.35	69.84
MW-17	12/30/03	20.0-30.0	103.95		23.74	80.21
	02/08/05		92.45		24.42	68.03
	04/21/05		92.45		24.20	68.25
LPH	11/16/05	0.02	92.45	23.83	23.85	68.60
MW-18	12/30/03	20.0-30.0	106.29	25.48	25.72	80.57
	02/08/05		94.81	26.45	26.76	68.05
	04/19/05		94.81	26.26	26.28	68.53
LPH	11/16/05	0.03	94.81	25.97	26.00	68.81
MW-19	12/30/03	20.0-30.0	105.45		24.59	80.86
	02/08/05		93.96		25.52	68.44
	04/21/05		93.96		25.00	68.96
	11/16/05		93.96		24.98	68.98

TABLE 1A
Groundwater Elevation Data (ft)
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777/12352

Monitoring Well	Date	Depth of Screen Below Ground Surface	TOC Elevation	Depth to Product from TOC	Depth to Water from TOC	Groundwater Elevation
MW-20	12/30/03	15.0-25.0	106.04		23.05	82.99
	02/08/05		94.12		24.00	70.12
	04/21/05		94.12		23.51	70.61
	11/16/05		94.12		22.93	71.19
MW-21	12/30/03	15.0-25.0	103.87		21.03	82.84
	04/21/05		Destroyed			Destroyed
MW-22	12/30/03	20.0-30.0	105.61		22.36	83.25
	02/08/05		94.25	23.25	23.28	70.97
	04/21/05		94.25		22.78	71.47
	11/16/05		94.25		22.32	71.93
MW-23	12/30/03	20.0-30.0	105.52		24.82	80.70
	02/08/05		94.43		25.80	68.63
	04/21/05		94.43		25.32	69.11
	11/16/05		94.43		25.04	69.39
MW-24	12/30/03	20.0-30.0	105.34		23.88	81.46
	02/08/05		93.94		24.80	69.14
	04/21/05		93.94		24.35	69.59
	11/16/05		93.94		paved	over
MW-25	12/30/03		103.68		21.23	82.45
	02/08/05		93.09		22.35	70.74
	04/21/05		93.09		21.89	71.20
	11/16/05		93.09		21.34	71.75
MW-26	12/30/03		106.56		20.50	86.06
	04/21/05		95.96		23.36	72.60
	11/16/05		95.96		22.42	73.54
MW-27	04/20/05	15.0-30.0	91.4		17.02	74.38
	11/16/05	15.0-30.0	91.4		under	gravel
MW-28	04/20/05	15.0-30.0	91.46		18.87	72.59
	11/16/05	15.0-30.0	91.46		18.72	72.74
MW-29	04/20/05	15.0-30.0	91.09		19.06	72.03
	11/16/05	15.0-30.0	91.09		18.87	72.22
MW-30	04/20/05	15.0-30.0	92.77		22.86	69.91
	11/16/05	15.0-30.0	92.77		22.01	70.76
MW-31	04/20/05	20.0-35.0	95.2		26.51	68.69
	11/16/05	20.0-35.0	95.2		26.26	68.94
MW-32	04/20/05	15.0-30.0	92.87		23.66	69.21
	11/16/05	15.0-30.0	92.87		23.04	69.83

TABLE 1A
Groundwater Elevation Data (ft)
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777/12352

Monitoring Well	Date	Depth of Screen Below Ground Surface	TOC Elevation	Depth to Product from TOC	Depth to Water from TOC	Groundwater Elevation
MW-33	04/20/05	20.0-35.0	93.84		25.27	68.57
	11/16/05	20.0-35.0	93.84		24.87	68.97
MW-34	04/20/05	20.0-35.0	94.77		26.11	68.66
	11/16/05	20.0-35.0	94.77		25.70	69.07
MW-35	04/20/05	20.0-35.0	93.71		25.14	68.57
	11/16/05	20.0-35.0	93.71		24.80	68.91
MW-36	04/20/05	20.0-35.0	93.89		24.96	68.93
	11/16/05	20.0-35.0	93.89		24.65	69.24
MW-37	04/20/05	20.0-35.0	93.78		25.25	68.53
	11/16/05	20.0-35.0	93.78		24.90	68.88
MW-38	04/20/05	20.0-35.0	95.53		26.78	68.75
	11/16/05	20.0-35.0	95.53		26.32	69.21
MW-39	04/20/05	20.0-35.0	96.19		27.65	68.54
	11/16/05	20.0-35.0	96.19		27.35	68.84
MW-40	04/20/05	20.0-35.0	95.69		27.31	68.38
	11/16/05	20.0-35.0	95.69		27.00	68.69
MW-41	04/20/05	20.0-35.0	94.85		26.68	68.17
	11/16/05	20.0-35.0	94.85		26.43	68.42
MW-42	04/20/05	20.0-35.0	95.81		27.53	68.28
	11/16/05	20.0-35.0	95.81		27.06	68.75
MW-43	04/21/05	20.0-40.0	95.15		26.28	68.87
	11/16/05	20.0-40.0	95.15		25.84	69.31
MW-44	04/21/05	16.0-31.0	94.57		25.03	69.54
	11/16/05	16.0-31.0	94.57		24.56	70.01
MW-45	04/21/05	15.0-30.0	92.51		23.39	69.12
	11/16/05	15.0-30.0	92.51		23.01	69.50
MW-46	04/21/05	20.0-35.0	94.5		25.71	68.79
	11/16/05	20.0-35.0	94.5		25.22	69.28
MW-47	04/21/05	20.0-35.0	92.44		23.61	68.83
	11/16/05	20.0-35.0	92.44		23.22	69.22
MW-48	04/21/05	15.0-30.0	89.95		20.75	69.20
	11/16/05	15.0-30.0	89.95		20.61	69.34
MW-49	04/21/05	15.0-30.0	88.18		18.39	69.79
	11/16/05	15.0-30.0	88.18		18.14	70.04
MW-50	04/21/05	15.0-30.0	84.09		15.15	68.94
	11/16/05	15.0-30.0	84.09		15.45	68.64
MW-51	04/21/05	20.0-35.0	93.91		24.66	69.25
	11/16/05	20.0-35.0	93.91		24.45	69.46

TABLE 1A
Groundwater Elevation Data (ft)
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777/12352

Monitoring Well	Date	Depth of Screen Below Ground Surface	TOC Elevation	Depth to Product from TOC	Depth to Water from TOC	Groundwater Elevation
MW-52	04/21/05	15.0-30.0	90.21		21.88	68.33
	11/16/05	15.0-30.0	90.21		21.67	68.54
MW-53	04/21/05	5.0-20.0	79.6		11.55	68.05
	11/16/05	5.0-20.0	79.6		11.43	68.17
MW-54	04/21/05	5.0-20.0	77.58		12.31	65.27
	11/16/05	5.0-20.0	77.58		12.29	65.29
MW-55	04/21/05	4.0-14.0	71.22		4.88	66.34
	11/16/05	4.0-14.0	71.22		3.85	67.37
MW-56	04/21/05	5.0-20.0	76.39		8.90	67.49
	11/16/05	5.0-20.0	76.39		8.95	67.44
MW-57	04/21/05	4.0-14.0	67.2		1.41	65.79
	11/16/05	4.0-14.0	67.2		1.56	65.64
MW-58	04/21/05	4.0-19.0	76.37		10.65	65.72
	11/16/05	4.0-19.0	76.37		11.03	65.34
MW-59	04/21/05	2.0-17.0	68.02		4.64	63.38
	11/16/05	2.0-17.0	68.02		4.78	63.24
MW-60	04/21/05	4.0-14.0	67.94		5.29	62.65
	11/16/05	4.0-14.0	67.94	could	not	locate
MW-61	05/17/05	20.0 - 35.0	91.00		21.25	69.75
	11/16/05	20.0 - 35.0	91.00		19.94	71.06
MW-62	05/17/05	20.0 - 35.0	94.05		24.99	69.06
	11/16/05	20.0 - 35.0	94.05		24.64	69.41
MW-63	05/17/05	20.0 - 35.0	94.65		26.41	68.24
	11/16/05	20.0 - 35.0	94.65		24.90	69.75
MW-64	05/17/05	20.0 - 35.0	94.36		26.74	67.62
	11/16/05	20.0 - 35.0	94.36		25.39	68.97
MW-65	05/17/05	20.0 - 35.0	94.04		26.46	67.58
	11/16/05	20.0 - 35.0	94.04		26.14	67.90
MW-66	05/17/05	20.0 - 35.0	95.25		27.50	67.75
	11/16/05	20.0 - 35.0	95.25		27.20	68.05
MW-67	05/17/05	20.0 - 35.0	96.10		27.72	68.38
	11/16/05	20.0 - 35.0	96.10		27.29	68.81
MW-68	05/18/05	20.0 - 35.0	94.02		26.46	67.56
	11/16/05	20.0 - 35.0	94.02		26.00	68.02
MW-69	05/18/05	20.0 - 35.0	94.36		26.85	67.51
	11/16/05	20.0 - 35.0	94.36		26.39	67.97
MW-70	05/18/05	20.0 - 35.0	95.49		27.30	68.19
	11/16/05	20.0 - 35.0	95.49		25.95	69.54
MW-5aR	04/20/05	18.0-28.0	94.18		22.68	71.50
	11/16/05	18.0-28.0	94.18		21.34	72.84
PW-1R	04/20/05	45.0 - 50.0	93.75		25.16	68.59
	11/16/05	45.0 - 50.0	93.75		24.96	68.79
RW-1R	04/20/05	9.0-29.0	93.66		24.69	68.97
	11/16/05	9.0-29.0	93.66		24.04	69.62

TABLE 1A
Groundwater Elevation Data (ft)
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777/12352

Monitoring Well	Date	Depth of Screen Below Ground Surface	TOC Elevation	Depth to Product from TOC	Depth to Water from TOC	Groundwater Elevation
DW-1	12/30/03	65.0 - 70.0	105.43		45.44	59.99
	04/21/05		94.66		45.38	49.28
	11/16/05		94.66		44.85	49.81
DW-2	12/30/03	70.0 - 75.0	104.82		44.67	60.15
	04/21/05		94.02		44.55	49.47
	11/16/05		94.02		44.92	49.10
DW-3	12/30/03	47.0 - 52.0			24.54	
	02/08/05		93.75		24.95	68.80
	04/21/05		93.75		25.27	68.48
	11/16/05		93.75		24.93	68.82
DW-4	04/21/05	105.0 - 110.0	93.79		42.68	51.11
	11/16/05	105.0 - 110.0	93.79		paved	over
DW-5	04/21/05	65.0 - 70.0	93.74		43.77	49.97
	11/16/05	65.0 - 70.0	93.74		45.02	48.72
DW-6	04/21/05	65.0 - 70.0	95.9		46.38	49.52
	11/16/05	65.0 - 70.0	95.9		47.80	48.10
DW-7	04/21/05	50.0 - 55.0	72.79		24.71	48.08
	11/16/05	50.0 - 55.0	72.79		25.22	47.57
DW-8	04/21/05	50.0 - 55.0	68.63		21.21	47.42
	11/16/05	50.0 - 55.0	68.63		21.44	47.19
DW-9	05/17/05	60.0 - 65.0	76.47		28.78	47.69
	11/16/05	60.0 - 65.0	76.47		28.99	47.48

1) All TOC elevations relative to an arbitrary assigned datum of 93.97 feet onsite.
2) Corrected groundwater elevation = TOC - (measured water level - (0.78 x product thickness))
3) Screening depths are unknown for wells MW-11,MW-12,MW-13,MW-25,MW-26.
4) Wells MW-61 through MW-70 and DW-9 were tied into original survey by Consultech.

Table 1B
Groundwater Field Parameter Measurements
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777/12352

Well Number	Date	Dissolved oxygen mg/l	pH	Temperature Degrees Celcius	Conductivity us/cm
MW-1	11/18/03	NA	5.3	23.5	101
	04/19/05	3.1	5.4	18.1	183
	11/16/05	2.5	5.2	22.1	120
MW-2	11/18/03	NA	5.2	23.8	95
	04/19/05	3.2	4.8	19.0	125
	11/16/05	2.7	5.3	22.1	130
MW-3	10/27/03	NA	7.1	22.6	134
	04/19/05	1.1	4.9	17.1	845
	11/16/05	2.5	6.9	21.9	150
MW-4	11/18/03	NA	5.6	24.7	114
	04/19/05	3.6	6.0	19.1	246
	11/16/05	2.6	5.5	22.3	120
MW-5	10/27/03	NA	7.9	21.8	184
	04/19/05	2.9	6.0	19.8	84
	11/16/05	2.7	7.5	22.1	150
MW-6	11/18/03	NA	5.1	24.5	124
	04/19/05	2.0	5.4	20.0	762
	11/16/05	2.3	5.0	22.2	150
MW-7	11/18/03	NA	4.9	24.3	105
	04/19/05	3.4	5.8	20.1	146
	11/16/05	2.9	4.8	21.8	95
MW-8	11/18/03	NA	4.9	24.6	85
	04/19/05	4.0	7.0	19.5	113
	11/16/05	3.1	4.9	22.4	98
MW-9	11/18/03	LPH	LPH	LPH	LPH
	04/19/05	1.8	5.2	20.2	794
	11/16/05	2.1	5.1	22.5	523
MW-10	11/18/03	LPH	LPH	LPH	LPH
	04/19/05	1.3	5.1	20.1	1243
	11/16/05	1.9	5.2	22.5	845
MW-11	11/18/03	NA	4.8	22.8	65
	04/19/05	2.4	7.2	20.8	346
	11/16/05	2.1	4.9	22.1	90

Table 1B
Groundwater Field Parameter Measurements
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777/12352

Well Number	Date	Dissolved oxygen mg/l	pH	Temperature Degrees Celcius	Conductivity us/cm
MW-12	11/18/03	NA	5.5	25.7	229
	04/21/05	3.2	6.4	19.4	107
	11/16/05	2.9	5.2	22.3	152
MW-13	11/18/03	NA	4.6	23.8	192
	04/21/05	3.6	6.0	18.3	336
	11/16/05	3.2	4.8	22.5	183
MW-15	11/18/03	LPH	LPH	LPH	LPH
	04/19/05	1.4	5.4	17.9	813
	11/16/05	1.9	5.1	22.1	750
MW-16	11/18/03	NA	6.9	23.1	353
	04/21/05	1.8	5.1	18.6	722
	11/16/05	2.1	6.7	22.1	425
MW-17	11/18/03	LPH	LPH	LPH	LPH
	04/21/05	1.4	4.9	19.2	694
	11/16/05	1.8	5.1	22.0	725
MW-18	10/29/03	LPH	LPH	LPH	LPH
	04/20/05	1.0	5.2	19.6	988
	11/16/05	1.9	5.3	22.3	925
MW-19	10/29/03	LPH	LPH	LPH	LPH
	04/20/05	1.2	5.1	19.6	617
	11/16/05	1.6	5.3	22.4	590
MW-20	10/29/03	NA	4.7	21.1	568
	04/20/05	3.6	6.3	18.4	139
	11/16/05	3.4	4.9	21.5	525
MW-21	10/29/03	NA	5.5	20.2	580
	04/20/05	Destroyed	Destroyed	Destroyed	Destroyed
	11/16/05	?	?	?	?
MW-22	11/25/03	NA	5.5	23.1	255
	04/20/05	4.1	6.8	18.3	97
	11/16/05	2.5	5.7	22.4	210
MW-23	11/25/03	NA	5.5	23.1	97
	04/20/05	2.9	6.5	19.6	86

Table 1B
Groundwater Field Parameter Measurements
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777/12352

Well Number	Date	Dissolved oxygen mg/l	pH	Temperature Degrees Celcius	Conductivity us/cm
	11/16/05	3.2	5.8	22.3	81
MW-24	11/25/03	NA	4.7	24.3	102
	04/20/05	3.2	6.4	20.1	72
	11/16/05	3.1	4.9	22.4	92
MW-25	10/29/03	NA	6.1	19.6	589
	04/20/05	2.4	6.0	18.4	804
	11/16/05	2.8	5.8	21.9	472
MW-26	11/25/03	NA	4.5	24.1	89
	04/21/05	2.4	6.2	19.2	83
	11/16/05	2.8	4.6	22.1	102
MW-27	04/20/05	3.1	6.4	18.4	94
	11/16/05	2.8	6.1	22.3	129
MW-28	04/20/05	3.6	7	19.1	105
	11/16/05	3.2	6.2	22.4	136
MW-29	04/20/05	3.7	7.4	18.4	83
	11/16/05	3.5	6.5	22.2	143
MW-30	04/20/05	3.1	6.3	17.8	41
	11/16/05	3.2	6.4	22.1	92
MW-31	04/20/05	3.0	6.4	16.1	125
	11/16/05	3.3	6.3	22.0	153
MW-32	04/21/05	2.8	6.9	18.4	215
	11/16/05	2.7	6.7	22.2	259
MW-33	04/20/05	2.9	6.4	19.2	106
	11/16/05	3.1	6.8	22.1	93
MW-34	04/20/05	3.1	7.1	18.3	113
	11/16/05	2.9	6.9	22.2	89
MW-35	04/20/05	3.4	7.3	19.4	162
	11/16/05	3.2	6.9	22.3	84
MW-36	04/20/05	3.8	6.1	20.1	168
	11/16/05	3.4	6.0	22.3	73

Table 1B
Groundwater Field Parameter Measurements
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777/12352

Well Number	Date	Dissolved oxygen mg/l	pH	Temperature Degrees Celcius	Conductivity us/cm
MW-37	04/20/05	3.9	6	18.1	149
	11/16/05	3.3	5.9	22.1	89
MW-38	04/20/05	2.4	6.7	20.0	131
	11/16/05	2.7	6.5	22.3	83
MW-39	04/20/05	3.1	6.0	18.3	189
	11/16/05	3.0	5.8	22.1	92
MW-40	04/20/05	3.0	6.7	17.9	174
	11/16/05	2.9	6.4	22.1	125
MW-41	04/20/05	3.3	6.3	19.4	93
	11/16/05	3.1	6.5	22.3	81
MW-42	04/20/05	3.0	6.3	19.3	62
	11/16/05	2.8	6.4	22	93
MW-43	04/21/05	2.6	6.1	19.7	110
	11/16/05	2.7	6.3	21.9	71
MW-44	04/21/05	2.8	6.7	18.6	234
	11/16/05	2.6	6.6	21.6	143
MW-45	04/21/05	2.4	6.2	19.4	185
	11/16/05	2.2	6	21.7	86
MW-46	04/21/05	3.0	6.3	18.3	106
	11/16/05	3.2	6.1	21.8	90
MW-47	04/21/05	3.2	6.9	18.1	115
	11/16/05	3.0	6.6	21.9	78
MW-48	04/21/05	2.5	7.0	18.5	245
	11/16/05	2.8	6.8	21.7	98
MW-49	04/21/05	3.0	6.1	19.8	210
	11/16/05	2.7	5.9	21.8	72
MW-50	04/21/05	3.1	6.4	18.7	116
	11/16/05	2.9	6.2	21.8	83
MW-51	04/21/05	3.1	6.7	20.1	84
	11/16/05	2.9	6.5	21.6	91

Table 1B
Groundwater Field Parameter Measurements
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777/12352

Well Number	Date	Dissolved oxygen mg/l	pH	Temperature Degrees Celcius	Conductivity us/cm
MW-52	04/21/05	3.0	6.5	18.8	135
	11/16/05	2.7	6.4	22.7	106
MW-53	04/21/05	3.4	6.5	18.9	72
	11/16/05	3.2	6.3	21.8	117
MW-54	04/21/05	2.9	6.7	18.1	64
	11/16/05	3.3	6.5	21.8	91
MW-55	04/21/05	2.8	6.4	18.9	74
	11/16/05	3.4	6.3	21.6	96
MW-56	04/21/05	3.4	6.3	19.2	81
	11/16/05	3.2	6.1	21.8	97
MW-57	04/21/05	2.0	6.2	18.4	76
	11/16/05	2.5	6.1	21.7	86
MW-58	04/21/05	2.1	6.1	19.1	84
	11/16/05	2.6	6	21.6	96
MW-59	04/21/05	3.6	6.3	18.3	115
	11/16/05	3.4	6.1	21.7	127
MW-60	04/21/05	3.6	6.4	17.2	96
	11/16/05	3.2	6.2	21.8	109
MW-61	05/17/05	4.0	5.3	24.6	142
	11/16/05	3.6	5.6	21.6	114
MW-62	05/17/05	3.9	4.8	24.2	398
	11/16/05	3.7	4.7	21.7	256
MW-63	05/17/05	4.1	5.1	23.5	169
	11/16/05	4.3	5.4	21.8	143
MW-64	05/17/05	2.9	5.6	23.9	143
	11/16/05	3.2	5.7	21.7	121
MW-65	05/17/05	2.0	5.4	24.8	217
	11/16/05	2.5	5.5	21.8	189
MW-66	05/17/05	3.2	5.9	24.2	29
	11/16/05	3.6	6.1	21.9	83

Table 1B
Groundwater Field Parameter Measurements
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777/12352

Well Number	Date	Dissolved oxygen mg/l	pH	Temperature Degrees Celcius	Conductivity us/cm
MW-67	05/17/05	4.1	5.3	25.0	68
	11/16/05	3.8	5.1	21.8	89
MW-68	05/18/05	3.9	6.2	25.4	112
	11/16/05	3.5	6.5	21.8	76
MW-69	05/18/05	2.4	5.7	27.1	85
	11/16/05	2.7	5.9	21.8	79
MW-70	05/18/05	3.5	5.9	26.4	69
	11/16/05	3.1	5.8	21.9	86
MW-5a	11/25/03	NA	6.7	22.9	95
MW-5aR	04/20/05	3.4	5.2	18.3	143
	11/16/05	3.1	6.2	22.2	124
PW-1	10/29/03	NA	5.9	21.2	571
PW-1R	04/20/05	3.2	5.3	19.2	119
	11/16/05	2.9	5.6	22.5	391
RW-1	10/29/03	LPH	LPH	LPH	LPH
RW-1R	04/20/05	2.0	6.0	18.1	72
	11/16/05	1.9	5.8	22.4	95
DW-1	10/27/03	NA	10.9	21.0	1150
	04/20/05	3.1	7.8	18.3	484
	11/16/05	3.3	7.4	21.7	253
DW-2	10/27/03	NA	9.7	20.7	147
	04/20/05	3.0	7.9	16.9	42
	11/16/05	3.3	8.1	21.8	131
DW-3	12/30/03	NA	10.8	22.1	1232
	04/20/05	1.4	7.7	18.1	796
	11/16/05	1.6	8.2	21.6	530
DW-4	04/21/05	2.9	6.3	18.6	142
	11/16/05	3.2	6.7	21.6	123

Table 1B
Groundwater Field Parameter Measurements
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777/12352

Well Number	Date	Dissolved oxygen mg/l	pH	Temperature Degrees Celcius	Conductivity us/cm
DW-5	04/21/05	3.1	6.3	18.7	64
	11/16/05	3.4	6.8	21.7	85
DW-6	04/20/05	3.6	6.4	19.0	52
	11/16/05	3.2	6.9	21.6	89
DW-7	04/21/05	2.9	6	19.3	144
	11/16/05	3.0	6.1	21.5	103
DW-8	04/21/05	4.0	5.7	19.1	131
	11/16/05	3.6	5.9	21.5	105
DW-9	05/17/05	5.0	6.6	22.2	68
	11/16/05	5.6	6.9	21.6	92
SW-1	04/21/05	1.9	5.1	22.4	319
	11/16/05	2.1	4.9	21.4	220

Note: 1) The temperature was measured in degrees Celcius
2) NA - Not available

Table 2A
BTEX , MtBE, Naphthalenes, & EDB Analytical Results ug/l
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777/12352

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalenes	EDB	Total Mass
MW-1	11/18/03	<1	1.3	<1	1.6	<1	<5	NS	11
	04/19/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	<1	<1	<1	<1	<1	<5	<0.02	10
MW-2	SSTL	77	9910	1250	8540	1256	91	0.02	
	11/18/03	17,900	34,600	3,630	17,000	6,150	<250	NS	79,530
	04/19/05	4,230	9,910	1,250	8,540	4,910	1,410	<0.02	30,250
	11/16/05	5900	11000	1800	12000	3200	570	39	34,509
MW-3	SSTL	111	14,200	2,940	7,530	1,976	108	0.02	
	10/27/03	11,300	72,500	3,980	20,800	20,200	870	NS	129,650
	04/19/05	5,620	14,200	2,940	7,530	10,900	910	<0.02	42,100
	11/16/05	15,000	27,000	3,500	19,000	37,000	1,500	230	103,230
MW-4	11/18/03	<1	1.8	<1	2.8	1.2	<5	NS	13
	04/19/05	<1	<1	<1	<1	2.6	<5	<0.02	11.6
	11/16/05	<1	<1	<1	<1	7.9	<5	0.074	17
MW-5	SSTL	87	4790	1940	10400	13	96	2.81	
	10/27/03	779	968	336	2,020	89.5	1240	NS	5,433
	04/19/05	1,140	4,790	1,940	10,400	13	570	2.81	18,857
	11/16/05	<100	3600	2300	8300	<100	710	0.840	15,011
MW-6	SSTL	16.1	1.5	1	119	1.0	7.1	0.02	
	11/18/03	13.2	3.8	<1	66.5	<1	<5	NS	91
	04/19/05	16.1	1.5	<1	119	<1	7.1	<0.02	146
	11/16/05	13	<1	<1	60	<1	<5	<0.02	81
MW-7	11/18/03	<1	<1	<1	<1	<1	<5	NS	10
	04/19/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	<1	<1	<1	<1	<1	<5	<0.02	10
MW-8	11/18/03	<1	<1	<1	<1	<1	<5	NS	10
	04/19/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	<1	<1	<1	<1	<1	<5	<0.02	10
MW-9	SSTL	35	7,134	773	5,230	34.3	68	0.02	
	11/18/03	.01' LPH	.01' LPH	.01' LPH	.01' LPH	.01' LPH	.01' LPH	NS	
	04/19/05	2,280	9,010	773	5,230	34.3	900	<0.02	18227
	11/16/05	3,100	9,800	2,100	11,000	<10	1000	0.150	27010
MW-10	SSTL	24	23,800	3,320	19,421	294	53	0.02	
	11/18/03	.10' LPH	.10' LPH	.10' LPH	.10' LPH	.10' LPH	.10' LPH	NS	
	04/19/05	6,200	23,800	3,320	33,200	890	1,440	<0.02	0
	11/16/05	12,000	17,000	2,700	13,000	540	990	0.230	46,230
MW-11	SSTL	35	20	2	8	1	5	0.02	
	11/18/03	28.4	46.4	1.2	9.3	<1	<5	NS	91
	04/19/05	34.5	20	2	8	<1	<5	<0.02	71
	11/16/05	<25	230	<25	<25	<25	<130	<0.02	460

Table 2A
BTEX , MtBE, Naphthalenes, & EDB Analytical Results ug/l
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777/12352

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalenes	EDB	Total Mass
MW-12	SSTL	9	4,000	1,460	2,640	69	33	0.1	
	11/18/03	5,400	125	489	203	682	<50	NS	6,949
	04/21/05	8,550	4,000	1,460	2,640	69	314	0.10	17,034
	11/16/05	25	230	25	25	25	130	0.020	17,042
MW-13	11/18/03	120	<1	17	43	8	<5	NS	188
	04/21/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	<1	<1	<1	<1	<1	<5	<0.02	10
MW-15	SSTL	16	1,950	617	3,760	5.6	45	0.02	
	11/18/03	.03' LPH	.03' LPH	.03' LPH	.03' LPH	.03' LPH	.03' LPH	NS	
	04/19/05	565	1,950	617	3,760	5.6	859	<0.02	7,757
	11/16/05	210	520	230	720	<1	190	<0.02	1,871
MW-16	11/18/03	436	300	66	244	<10	<50	NS	1,096
	04/21/05	<1	1.6	<1	7.7	<1	<5	<0.02	16
	11/16/05	<1	16	5	36	<1	31	<0.02	90
MW-17	SSTL	32	6,631	4,440	23,700	2.2	66	0.02	34,871
	11/18/03	.65' LPH	.65' LPH	.65' LPH	.65' LPH	.65' LPH	.65' LPH	NS	0
	04/21/05	4,720	32,600	4,440	23,700	2.2	620	<0.02	66,082
	11/16/05	3,500	28,000	3,600	20,000	<200	1800	<0.02	57,100
MW-18	SSTL	40	17,400	2,530	13,800	4260	348	8.06	
	10/29/03	.13' LPH	.13' LPH	.13' LPH	.13' LPH	.13' LPH	.13' LPH	NS	
	04/20/05	6,910	17,400	2,530	13,800	8,920	1,580	11.2	51,161
	11/16/05	18,000	37,000	3,200	17,000	6,400	1,300	1.6	82,902
MW-19	SSTL	54	11,081	2,980	16,300	962	86	8	
	10/29/03	.02' LPH	.02' LPH	.02' LPH	.02' LPH	.02' LPH	.02' LPH	NS	
	04/20/05	18,200	63,600	2,980	16,300	962	2,290	24.1	104,366
	11/16/05	23,000	48,000	3,600	20,000	4,200	1,300	1.70	100,102
MW-20	SSTL	83	17,249	1,630	12,400	18000	108	0.02	49,470
	10/29/03	24,200	38,600	2,760	12,800	6,300	1,050	NS	85,710
	04/20/05	12,800	23,400	1,630	12,400	18,000	1430	<0.02	69,660
	11/16/05	19,000	36,000	3,200	18,000	7,200	1,400	<0.02	84,800
MW-21	10/29/03	18.9	240	537	3,830	<1	116	NS	NS
	04/20/05	destroyed	destroyed	destroyed	destroyed	destroyed	destroyed	destroyed	destroyed
	11/16/05	destroyed	destroyed	destroyed	destroyed	destroyed	destroyed	destroyed	destroyed
MW-22	SSTL	90	3,640	126	760	1,800	112	0.04	
	11/25/03	30,000	48,200	6,550	31,900	1,560	3,380	NS	121,590
	04/20/05	800	3,640	126	760	1,800	148	0.04	7,294
	11/16/05	24,000	39,000	5,000	27,000	780	4600	<0.02	100,380
MW-23	SSTL	72	1,250	195	1,650	1390	100	0.02	
	11/25/03	43,000	85,500	4,140	85,000	5,800	1,140	NS	224,580
	04/20/05	1,770	1,250	195	1,650	1,390	140	<0.02	6,395
	11/16/05	8,100	19,000	1,800	9,700	1600	<1000	1.30	41,201

Table 2A
BTEX , MtBE, Naphthalenes, & EDB Analytical Results ug/l
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777/12352

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalenes	EDB	Total Mass
MW-24	**SSTL**	54	1,520	98	1,730	66.5	610	8	
	11/25/03	**35,000**	**37,600**	**2,760**	**12,300**	**7,750**	**595**	NS	96,005
	04/20/05	**1,340**	**1,520**	98	1,730	**610**	**66.5**	26.3	5,396
	11/16/05	NS							
MW-25	**SSTL**	104	21,535	7,800	45,600	17.7	121	0.02	
	10/29/03	**10,300**	**37,400**	**3,300**	**17,600**	**80.0**	**1,080**	NS	69,760
	04/20/05	**6,900**	**41,800**	**7,800**	**45,600**	17.7	**3,180**	<0.02	105,298
	11/16/05	**1,600**	6,200	850	4,400	17	**260**	<0.02	13,327
MW-26	11/25/03	<1	<1	<1	<1	<1	<5	NS	10
	04/21/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	<1	<1	<1	<1	<1	<5	<0.02	10
MW-27	04/20/05	<1	1	<1	<1	<1	<5	11.1	21
	11/16/05	NS							
MW-28	04/20/05	<1	<1	<1	<1	<1	<5	5.17	15
	11/16/05	360	970	96	490	<50	<250	<0.02	2,216
MW-29	04/20/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	<100	<100	<100	<100	<100	3500	<0.02	4,000
MW-30	04/20/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	<1	<1	<1	<1	<1	<5	0.110	10.11
MW-31	**SSTL**	**110**	**251**	**261**	**450**	**2**	**82.9**	**0.02**	
	04/20/05	**227**	251	261	450	2.2	**82.9**	<0.02	1,274
	11/16/05	20	53	21	260	<1	51	<0.02	406
MW-32	**SSTL**	**71**	**740**	**406**	**2,440**	**5**	**176**	**0.02**	
	04/21/05	**264**	740	406	2,440	<5	**176**	<0.02	4,031
	11/16/05	**400**	**14,000**	**520**	**18,000**	<5	170	**0.088**	33,095
MW-33	**SSTL**	**53**	**7,820**	**938**	**4,660**	**25.6**	**164**	**0.02**	
	04/20/05	**3,860**	**7,820**	938	4,660	25.6	**164**	<0.02	17,468
	11/16/05	**410**	1,600	290	1,400	**50**	<100	<0.02	3,850
MW-34	**SSTL**	35	9,180	1,840	10,300	1	301	0.02	
	04/20/05	**2,020**	**9,180**	**1,840**	**10,300**	<1	**1,060**	<0.02	24,401
	11/16/05	**250**	870	180	1,700	**<10**	**360**	**0.160**	3,370
MW-35	**SSTL**	**56**	**4,060**	**296**	**1,590**	**1,730**	**238**	**0.03**	
	04/20/05	**4,090**	**4,060**	296	1,590	**1,730**	**238**	0.03	12,004
	11/16/05	**12,000**	**22,000**	**3,200**	**15,000**	1,300	**1200**	**3.20**	54,703
MW-36	**SSTL**	**85**	**621**	**165**	**427**	**3.7**	**29.4**	**0.48**	
	04/20/05	**302**	621	165	427	3.7	**29.4**	0.48	1,549
	11/16/05	**140**	310	**320**	**1,400**	<1	**120**	<0.02	2,291
MW-37	**SSTL**	**90**	**1,750**	**780**	**1,870**	**1**	**158**	**2.01**	
	04/20/05	**764**	**1,750**	**780**	1,870	<1	**158**	2.01	5,325
	11/16/05	**360**	360	44	170	**160**	15	0.097	1,109
MW-38	04/20/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	<1	<1	<1	<1	<1	<5	<0.02	10

Table 2A
BTEX , MtBE, Naphthalenes, & EDB Analytical Results ug/l
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777/12352

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalenes	EDB	Total Mass
MW-39	**SSTL**	**90**	**23,200**	**3,050**	**16,800**	**66**	**978**	**0.02**	
	04/20/05	**3,680**	**23,200**	**3,050**	**16,800**	**66**	**2,120**	<0.02	48,916
	11/16/05	**3,100**	17,000	2,600	13,000	<25	830	**0.29**	36,555
MW-40	**SSTL**	**113**	**7,660**	**3,880**	**5,220**	**1.8**	**1140**	**0.02**	
	04/20/05	**1,940**	**7,660**	**3,880**	5,220	1.8	**1,140**	<0.02	19,842
	11/16/05	**840**	740	690	1,900	<1	500	**0.220**	4,671
MW-41	**SSTL**	**257**	**8,580**	**462**	**2,370**	**1**	**182**	**1.98**	
	04/20/05	**869**	**8,580**	462	2,370	<1	**182**	1.98	12,466
	11/16/05	<1	<1	<1	<1	<1	<5	<0.02	10.02
MW-42	**SSTL**	**16**	**2,460**	**546**	**2,980**	**1**	**124**	**1.15**	
	04/20/05	16	2,460	546	2,980	<1	124	1.15	6,128
	11/16/05	<1	<1	<1	<1	<1	5.4	<0.02	10
MW-43	03/24/05	<1	<1	<1	<1	<1	<5	<1	10
	04/21/05	<1	1	<1	<1	<1	<5	<0.02	10
	11/16/05	<1	<1	<1	<1	<1	<5	<0.02	10
MW-44	03/24/05	<1	<1	<1	<1	<1	<5	<1	11
	04/21/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	<1	<1	<1	<1	<1	<5	<0.02	10
MW-45	04/21/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	<1	<1	<1	<1	<1	<5	<0.02	10
MW-46	04/21/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	<1	12	<1	<1	<1	5.2	<0.02	21
MW-47	**SSTL**	**6**	**1**	**1**	**7.5**	**1**	**5**	**0.02**	
	04/21/05	5.8	<1	<1	7.5	<1	<5	<0.02	21
	11/16/05	<1	**14**	<1	<1	<1	<5	**2.40**	24
MW-48	04/21/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	<1	<1	<1	<1	<1	<5	1.600	12
MW-49	04/21/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	<1	18	<1	<1	<1	<5	0.330	27
MW-50	04/21/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	<1	13	<1	<1	<1	<5	<0.02	22
MW-51	04/21/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	<1	<1	<1	<1	<1	<5	<0.02	10
MW-52	04/21/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	<1	<1	<1	<1	<1	<5	<0.02	10
MW-53	04/21/05	1.3	<1	<1	<1	<1	<5	<0.02	10.3
	11/16/05	<1	<1	<1	<1	<1	<5	0.730	10.73
MW-54	**SSTL**	**7**	**1**	**1**	**3**	**14.8**	**5**	**0.02**	
	04/21/05	**139**	<1	<1	2.8	14.8	<5	<0.02	164
	11/16/05	**970**	**2,900**	**460**	**2,200**	**1,500**	**1100**	**2.70**	9,133
MW-55	**SSTL**	**11**	**1**	**6**	**1**	**103**	**16.9**	**0.02**	
	04/21/05	**213**	<1	5.8	<1	**329**	16.9	<0.02	567
	11/16/05	**440**	<1	**27**	<1	**410**	**39**	**0.110**	918

Table 2A
BTEX , MtBE, Naphthalenes, & EDB Analytical Results ug/l
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777/12352

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalenes	EDB	Total Mass
MW-56	03/22/05	<1	<1	<1	<1	<1	<5	NS	10
	04/21/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	**76**	<1	<1	<1	<1	**5.4**	<0.02	85
MW-57	**SSTL**	**6**	**1,944**	**969**	**4,390**	**54**	**28**	**0.05**	
	03/22/05	**2,500**	**1,900**	360	1,400	**970**	**<50**	NS	7,130
	04/21/05	**8,390**	**5,400**	**1,170**	**4,390**	**1,590**	**240**	0.05	21,180
	11/16/05	**12,000**	**12,000**	**2,000**	**8,200**	**2,000**	**<1000**	**3.300**	36,203
MW-58	**SSTL**	**6**	**162**	**380**	**159**	**51**	**27**	**0.02**	
	04/21/05	**5,920**	162	380	159	**442**	**218**	<0.02	7,281
	11/16/05	**5,300**	110	**960**	**160**	**630**	**490**	**2.00**	7,652
MW-59	03/22/05	<1	<1	<1	<1	<1	<5	NS	10
	04/21/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	<1	<1	<1	<1	<1	<5	0.250	10.25
MW-60	04/21/05	1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	NS							0
MW-61	05/17/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	<1	<1	<1	<1	<1	<5	<0.02	10
MW-62	05/17/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	<1	<1	<1	<1	<1	<5	<0.02	10
MW-63	05/17/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	<1	<1	<1	<1	<1	<5	<0.02	10
MW-64	**SSTL**	**345**	**77**	**382**	**49**	**444**	**151**	**0.025**	
	05/17/05	**2,460**	76.6	382	48.8	444	151	0.025	3,562
	11/16/05	**390**	13	51	<1	100	56	<0.02	611
MW-65	**SSTL**	**326**	**2,610**	**1,760**	**1,720**	**43.7**	**745**	**0.026**	7,205
	05/17/05	**2,860**	2,610	1,760	1,720	43.7	745	0.26	9,739
	11/16/05	140	31	78	88	6	45	<0.02	388
MW-66	**SSTL**	**3.8**	**2.3**	**5.2**	**318**	**1**	**80.1**	**0.020**	
	05/17/05	3.8	2.3	5.2	318	<1	80.1	<0.02	410
	11/16/05	<1	<1	<1	27	<1	8.6	<0.02	40
MW-67	05/17/05	<1	<1	<1	2.6	<1	<5	<0.02	11.6
	11/16/05	<1	<1	<1	<1	<1	<5	<0.02	10
MW-68	05/18/05	**6.6**	<1	<1	<1	<1	<5	<0.02	16
	11/16/05	<1	<1	<1	<1	<1	<5	<0.02	10.02
MW-69	05/18/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	<1	<1	<1	<1	<1	<5	<0.02	10
MW-70	05/18/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	<1	<1	<1	<1	<1	<5	<0.02	10

Table 2A
BTEX , MtBE, Naphthalenes, & EDB Analytical Results ug/l
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777/12352

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalenes	EDB	Total Mass
MW-5aR	**SSTL**	**83**	**3,100**	**1,500**	**7,740**	**2,500**	**108**	**0.020**	
MW-5a	10/27/03	**376**	960	510	2,560	<1	**89.8**	<0.02	4,497
MW-5aR	04/20/05	**2,250**	**3,100**	**1,500**	7,740	**2,500**	**796**	<20	17,906
	11/16/05	**27,000**	**31,000**	**2,500**	**14,000**	**9900**	**1000**	**0.190**	85,400
PW-1	10/29/03	3,230	90	343	924	1,850	290	NS	6,727
PW-1R	04/20/05	2,740	2,640	732	2,460	2,040	250	<0.02	10,862
	11/16/05	8,300	6,800	1,800	8,100	290	770	7.600	26,068
RW-1R	**SSTL**	**54**	**11,081**	**2,800**	**7,150**	**3100**	**86**	**4.32**	
RW-1	10/29/03	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	NS	0
RW-1R	04/20/05	**9,700**	**17,000**	**2,800**	7,150	**3,100**	**932**	4.32	40,686
	11/16/05	**1,600**	<10	230	<10	130	14	0.540	1,985
DW-1	10/27/03	<1	4.1	1.7	9	<1	<5	NS	22
	04/20/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	<1	<1	<1	<1	<1	<5	<0.02	10
DW-2	10/27/03	2.0	1.6	<1	1.6	4.6	<5	NS	16
	04/20/05	3.1	6.7	1.1	5.8	4.8	**<5**	<0.02	27
	11/16/05	<1	<1	<1	<1	<1	<5	<0.02	10
DW-3	**SSTL**	**45**	**4,600**	**265**	**2,400**	**5,350**	**86.7**	**1.080**	
	12/30/03	**7,160**	**5,320**	**1,130**	2,660	2,260	**256**	<1	18,787
	04/20/05	**6,350**	4,600	265	2,400	5,350	86.7	1.08	19,053
	11/16/05	**350**	360	64	220	230	<5	0.060	1,229
DW-4	**SSTL**	**48**	**380**	**102**	**524**	**12**	**48**	**1.46**	
	04/21/05	**74**	380	102	524	11.5	48	1.46	1,141
	11/16/05	NS							0
DW-5	04/21/05	2.8	6.4	1.4	1.8	<1	<5	<0.02	18
	11/16/05	99	240	160	600	<1	89	6.100	1,194
DW-6	04/20/05	<1	3.2	<1	3.2	<1	<5	0.11	14
	11/16/05	<1	<1	<1	<1	<1	<5	<0.02	10
DW-7	**SSTL**	**7**	**69**	**11**	**33**	**17.2**	**8**	**0.02**	
	04/21/05	**87**	**69.4**	**11.2**	**33.1**	17.2	8	<0.02	226
	11/16/05	**40**	<2	<2	<2	**20**	<10	**0.140**	76
DW-8	04/21/05	<1	<1	<1	<1	<1	<5	<0.02	10
	11/16/05	<1	<1	<1	<1	<1	<5	<0.02	10
DW-9	**SSTL**	**6**	**2**	**1**	**1**	**1**	**5**	**0.05**	
	05/17/05	**6.8**	1.5	<1	<1	<1	<5	NM	16
	11/16/05	<1	**5**	<1	<1	<1	<5	<0.02	13
SW-1	04/21/05	**200**	38.1	11.7	28.8	**143**	<5	<0.02	427
	11/16/05	370	110	41	100	160	9	<0.02	790

TABLE 2B
Oxygenates - Analytical Results ug/l
Handy Pantry #65 & Cloud's Chevron
Columbia, SC - USTs #07584 & #07777/12352

Well Number	Date	Ethyl-t-butylether (ug/l) ETBE	Tert-amyl methyl ether (ug/l) TAME	Tertiary butyl alcohol (ug/l) TBA	Ethanol (ug/l)	T-amyl alcohol (ug/l) TAA	T-butyl Formate (ug/l) TBF	Ethyl-t-butyl alcohol (ug/l) ETBA	Diisopropyl ether (ug/l) DIPE	Total Mass
MW-1	04/19/05	<1.0	<1.0	45.4	<100	56.4	<10.0	<10.0	<5.0	228.8
	11/16/05	<5	<5	<25	<100	<25	<25	<25	<5.0	215
MW-2	**SSTL**	*1*	*114*	*1380*	*100*	*1900*	*10*	*1650*	*319*	
	04/19/05	<1.0	**114**	**1380**	<100	**11000**	<10.0	**1650**	**319**	14574
	11/16/05	<130	<130	<630	**<2500**	**2800**	<630	<630	250	7700
MW-3	**SSTL**	*5*	*120*	*1200*	*500*	*2499*	*10*	*2490*	*810*	7634
	04/19/05	<5	**120**	**1200**	<500	**15200**	**<50**	**2490**	**810**	20375
	11/16/05	**<250**	**540**	**<1300**	**<5000**	**12000**	**<1300**	<1300	**1100**	21490
MW-4	04/19/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0	147
	11/16/05	<5	<5	<25	<100	<25	<25	<25	<5	215
MW-5	**SSTL**	*1*	*1*	*10*	*100*	*920*	*10*	*558*	*5*	
	04/19/05	<1.0	<1.0	<10.0	<100	**920**	<10.0	**558**	<5.0	1478
	11/16/05	**<500**	**<500**	**<2500**	**<10000**	**<2500**	**<2500**	**<2500**	**<500**	21500
MW-6	**SSTL**	*1*	*1*	*38.5*	*100*	*391*	*10*	*104*	*5*	
	04/19/05	<1.0	<1.0	**38.5**	<100	**391**	<10.0	**104**	<5.0	650.5
	11/16/05	**<5**	**<5**	<25	<100	<25	**<25**	<25	<5	215
MW-7	04/19/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0	147
	11/16/05	<5	<5	<25	<100	<25	<25	<25	<5	215
MW-8	04/19/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0	147
	11/16/05	<5	<5	<25	<100	<25	<25	<25	<5	215
MW-9	**SSTL**	*1*	*17.3*	*130*	*100*	*809*	*10*	*463*	*120*	
	04/19/05	<1.0	**17.3**	**130**	<100	**3950**	<10.0	**463**	**120**	4791.3
	11/16/05	**<50**	**<50**	**<250**	**<1000**	<250	**<250**	<250	71	2081
MW-10	**SSTL**	*20*	*300*	*834*	*2000*	*793*	*200*	*4180*	*2280*	
	04/19/05	<20	**300.0**	**834**	<2000	**22400**	<200	**4180**	**2280**	32214
	11/16/05	**<130**	230	<630	**<2500**	<630	**<630**	<630	1700	7080

TABLE 2B
Oxygenates - Analytical Results ug/l
Handy Pantry #65 & Cloud's Chevron
Columbia, SC - USTs #07584 & #07777/12352

Well Number	Date	Ethyl-t-butylether (ug/l) ETBE	Tert-amyl methyl ether (ug/l) TAME	Tertiary butyl alcohol (ug/l) TBA	Ethanol (ug/l)	T-amyl alcohol (ug/l) TAA	T-butyl Formate (ug/l) TBF	Ethyl-t-butyl alcohol (ug/l) ETBA	Diisopropyl ether (ug/l) DIPE	Total Mass
MW-11	**SSTL**	*1*	*1*	*26.5*	*100*	*1244*	*10*	*176*	*5*	
	04/19/05	<1.0	<1.0	26.5	<100	**1540**	<10.0	176	<5.0	1859.5
	11/16/05	**<130**	**<130**	**<630**	**<2500**	<630	**<630**	**<630**	**<130**	5410
MW-12	**SSTL**	*1*	*91.3*	*191*	*1*	*376*	*10*	*730*	*782*	
	04/21/05	<1.0	**91.3**	**191**	<100	**9840**	<10.0	**730**	**816**	11779.3
	11/16/05	**<5**	<5	<25	<100	<25	**<25**	<25	<5	215
MW-13	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0	147
	11/16/05	<5	<5	<25	<100	<25	<25	<25	<5	215
MW-15	**SSTL**	*1*	*1*	*36.3*	*100*	*492*	*10*	*192*	*5*	
	04/20/05	<1.0	<1.0	**36.3**	<100	**957**	<10.0	**192**	<5.0	1302.3
	11/16/05	**<5**	**<5**	<25	<100	<25	**<25**	**330**	**5.4**	520.4
MW-16	04/21/05	<1.0	<1.0	<10.0	<100	171	<10.0	16.7	<5.0	304.7
	11/16/05	<5	<5	<25	<100	<25	<25	<25	<5	215
MW-17	**SSTL**	*1*	*1*	*97.8*	*100*	*773*	*10*	*1260*	*55.1*	
	04/21/05	<1.0	<1.0	**97.8**	<100	**13800**	<10.0	**1260**	**55.1**	15324.9
	11/16/05	**<1000**	**<1000**	**<5000**	**<20000**	**<5000**	**<5000**	**<5000**	**<1000**	43000
MW-18	**SSTL**	*1*	*759*	*1170*	*100*	*938*	*10*	*4900*	*2040*	
	04/20/05	<1.0	**759**	**1170**	<100	**28800**	<10.0	**4900**	**2040**	37780
	11/16/05	**<1000**	**<1000**	**<5000**	**<20000**	**<5000**	**<5000**	**<5000**	**2800**	44800
MW-19	**SSTL**	*1*	*320*	*1740*	*100*	*1065*	*10*	*4040*	*2910*	
	04/20/05	<1.0	**607**	**1740**	<100	**9730**	<10.0	**4040**	**2910**	19138
	11/16/05	**<1000**	**<1000**	**<5000**	**<20000**	**<5000**	**<5000**	**<5000**	2300	2300
MW-20	**SSTL**	*10*	*381*	*3920*	*1000*	*1403*	*100*	*2950*	*2200*	
	04/20/05	<10	**641**	**3920**	<1000	**14600**	<100	**2950**	**2200**	25421
	11/16/05	**<1000**	**<1000**	**<5000**	**<20000**	**<5000**	**<5000**	**<5000**	**2800**	44800
MW-22	**SSTL**	*20*	*392*	*484*	*2000*	*1469*	*200*	*872*	*2420*	
	04/20/05	<20	**788**	**484**	**<2000**	**5540**	<200	**872**	**2420**	12324
	11/16/05	**<1000**	**<1000**	**<5000**	**<20000**	**<5000**	**<5000**	**<5000**	1900	1900

TABLE 2B
Oxygenates - Analytical Results ug/l
Handy Pantry #65 & Cloud's Chevron
Columbia, SC - USTs #07584 & #07777/12352

Well Number	Date	Ethyl-t-butylether (ug/l) ETBE	Tert-amyl methyl ether (ug/l) TAME	Tertiary butyl alcohol (ug/l) TBA	Ethanol (ug/l)	T-amyl alcohol (ug/l) TAA	T-butyl Formate (ug/l) TBF	Ethyl-t-butyl alcohol (ug/l) ETBA	Diisopropyl ether (ug/l) DIPE	Total Mass
MW-23	**SSTL**	*1*	*83*	*10*	*100*	*1279*	*10*	*777*	*314*	
	04/20/05	<1.0	**83**	**<10.0**	<100	**5210**	<10.0	**777**	**314**	6494
	11/16/05	**56**	**<1000**	**<25**	<100	<25	**<25**	**<5000**	**<1000**	7231
MW-24	**SSTL**	*1*	*60*	*10*	*100*	*1065*	*10*	*1150*	*449*	
	04/20/05	<1.0	**60**	<10.0	<100	**4890**	<10.0	**1150**	**449**	6670
	11/16/05	NS							NS	0
MW-25	**SSTL**	*1*	*1*	*10*	*100*	*10*	*10*	*10*	*154*	
	04/20/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	**154**	301
	11/16/05	**<5**	**<5**	**<25**	<100	**<25**	**<25**	**<25**	110	320
MW-26	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0	147
	11/16/05	<5	<5	<25	<100	<25	<25	<25	<5	215
MW-27	04/20/05	<1.0	<1.0	<10.0	<100	<10	<10	<10	<5.0	147
	11/16/05	NS							NS	0
MW-28	04/20/05	<1.0	<1.0	<10.0	<100	<10	<10	<10	<5.0	147
	11/16/05	<250	<250	<1300	<5000	<1300	<1300	<1300	2600	13300
MW-29	04/20/05	<1.0	<1.0	<10.0	<100	<10	<10	<10	<5.0	147
	11/16/05	<500	<500	<2500	<10000	<2500	<2500	3100	<500	22100
MW-30	04/20/05	<1.0	<1.0	<10.0	<100	<10	<10	<10	<5.0	147
	11/16/05	<5	<5	<25	<100	<25	<25	<25	<5	215
MW-31	**SSTL**	*1*	*1*	*10*	100	1100	*10*	*329*	*5*	
	04/20/05	<1.0	<1.0	<10.0	*<100*	*1100*	<10.0	**329**	<5.0	1556
	11/16/05	**<5**	**<5**	**<25**	**<100**	**<25**	**<25**	120	<5	310
MW-32	**SSTL**	*5*	*5*	*202*	*500*	*1377*	*50*	*347*	*25*	
	04/21/05	<5	<5	**202**	**<500**	**3220**	<50	**347**	<25	4354
	11/16/05	**<25**	<25	<130	<500	<130	**<130**	**<5000**	<25	5965
MW-33	**SSTL**	*1*	*65.5*	*1136*	*100*	*1136*	*10*	*1190*	*392*	
	04/20/05	<1.0	**65.5**	<10.0	*<100*	<25	<10.0	**1190**	**392**	1793.5
	11/16/05	**<5**	<5	<25	<500	<130	**<25**	<500	120	1310

TABLE 2B
Oxygenates - Analytical Results ug/l
Handy Pantry #65 & Cloud's Chevron
Columbia, SC - USTs #07584 & #07777/12352

Well Number	Date	Ethyl-t-butylether (ug/l) ETBE	Tert-amyl methyl ether (ug/l) TAME	Tertiary butyl alcohol (ug/l) TBA	Ethanol (ug/l)	T-amyl alcohol (ug/l) TAA	T-butyl Formate (ug/l) TBF	Ethyl-t-butyl alcohol (ug/l) ETBA	Diisopropyl ether (ug/l) DIPE	Total Mass
MW-34	**SSTL**	*1*	*1*	*10*	*100*	*10*	*10*	*779*	*34.1*	
	04/20/05	<1.0	<1.0	<10.0	*<100*	<10	<10.0	**779**	**34.1**	945.1
	11/16/05	**<50**	**<50**	**<250**	**<1000**	**5300**	**<250**	**2800**	**<50**	9750
MW-35	**SSTL**	*10*	*286*	*536*	*1000*	*1181*	*100*	*10*	*1200*	
	04/20/05	<10	**286**	**536**	**<1000**	**11400**	<100	**2010**	**1200**	15432
	11/16/05	<5	**<1000**	**<5000**	**<100**	**<25**	<25	**<5000**	**1300**	13755
MW-36	**SSTL**	*1*	*1*	*10*	*100*	*1546*	*10*	*326*	*5*	
	04/20/05	<1.0	<1.0	<10.0	<100	2000	<10.0	**326**	<5.0	2453
	11/16/05	**<5**	**<5**	**<25**	**<100**	**<500**	**<25**	<500	<5	1165
MW-37	**SSTL**	*1*	*2.4*	*1420*	*100*	*1420*	*10*	*1100*	*14.2*	
	04/20/05	<1.0	**2.4**	<10.0	<100	1420	<10.0	**1100**	**14.2**	2657.6
	11/16/05	**<5**	12	<25	<100	330	**<25**	45	**52**	594
MW-38	04/20/05	<1.0	<1.0	<10.0	<100	<10	<10.0	<10.0	<5.0	147
	11/16/05	<5	<5	<25	<100	<25	<25	<25	<5	215
MW-39	**SSTL**	*20*	*20*	*200*	*2000*	*1607*	*200*	*1920*	*100*	
	04/20/05	<20	<20	<200	<2000	2180	<200	**1920**	<100	6640
	11/16/05	**<130**	**<130**	**<630**	**<2500**	**630**	**<630**	<630	**<130**	5410
MW-40	**SSTL**	*1*	*17.7*	*10*	*1130*	*630*	*10*	*1920*	*183*	
	04/20/05	<1.0	**17.7**	<10.0	1130	630	<10.0	1290	**183**	3271.7
	11/16/05	**<5**	<5	**<25**	**<100**	**<25**	**<25**	1500	25	1710
MW-41	**SSTL**	*1*	*1.6*	*10*	*100*	*10*	*10*	*130*	*19.3*	
	04/20/05	<1.0	**1.6**	<10.0	<100	<10	<10.0	**130**	**19.3**	281.9
	11/16/05	**<5**	<5	**<25**	**<100**	**<25**	**<25**	<25	<5	215
MW-42	**SSTL**	*1*	*1*	*10*	*100*	*10*	*10*	*82.4*	*5*	
	04/20/05	<1.0	<1.0	<10.0	<100	<10	<10.0	**82.4**	<5.0	219.4
	11/16/05	**<5**	**<5**	**<25**	**<100**	**<25**	**<25**	<25	<5	215
MW-43	04/21/05	<1.0	<1.0	<10.0	<100	<10	<10.0	<10.0	<5.0	147
	11/16/05	<5	<5	<25	**<100**	**<25**	<25	<25	<5	215

TABLE 2B
Oxygenates - Analytical Results ug/l
Handy Pantry #65 & Cloud's Chevron
Columbia, SC - USTs #07584 & #07777/12352

Well Number	Date	Ethyl-t-butylether (ug/l) ETBE	Tert-amyl methyl ether (ug/l) TAME	Tertiary butyl alcohol (ug/l) TBA	Ethanol (ug/l)	T-amyl alcohol (ug/l) TAA	T-butyl Formate (ug/l) TBF	Ethyl-t-butyl alcohol (ug/l) ETBA	Diisopropyl ether (ug/l) DIPE	Total Mass
MW-44	04/21/05	<1.0	<1.0	<10.0	<100	<10	<10.0	<10.0	<5.0	147
	11/16/05	<5	<5	<25	**<100**	**<25**	<25	<25	<5	215
MW-45	04/21/05	<1.0	<1.0	<10.0	<100	<10	<10.0	<10.0	<5.0	147
	11/16/05	<5	<5	<25	**<100**	**<25**	<25	<25	<5	215
MW-46	04/21/05	<1.0	<1.0	<10.0	<100	<10	<10.0	<10.0	<5.0	147
	11/16/05	<5	<5	<25	190	<25	<25	<25	<5	215
MW-47	**SSTL**	*1*	*1*	*54.2*	*100*	*739*	*10*	*369*	*5*	
	04/21/05	<1.0	<1.0	**54.2**	<100	**3710**	<10.0	**369**	<5.0	4250.2
	11/16/05	**<5**	**<5**	<25	**<100**	**<25**	**<25**	<25	<5	215
MW-48	04/21/05	<1.0	<1.0	<10.0	<100	49.9	<10.0	<10.0	<5.0	186.9
	11/16/05	<5	<5	<25	**<100**	**<25**	<25	<25	<5	215
MW-49	04/21/05	<1.0	<1.0	<10.0	<100	<10	<10.0	<10.0	<5.0	147
	11/16/05	<5	<5	<25	**<100**	**<25**	<25	<25	<5	215
MW-50	04/21/05	<1.0	<1.0	<10.0	<100	<10	<10.0	<10.0	<5.0	147
	11/16/05	<5	<5	<25	**<100**	**<25**	<25	<25	<5	215
MW-51	04/21/05	<1.0	<1.0	<10.0	<100	<10	<10.0	<10.0	<5.0	147
	11/16/05	<5	<5	<25	**<100**	**<25**	<25	<25	<5	215
MW-52	04/21/05	<1.0	<1.0	<10.0	<100	<10	<10.0	<10.0	<5.0	147
	11/16/05	<5	<5	<25	**<100**	**<25**	<25	<25	<5	215
MW-53	**SSTL**	*1*	*1*	*19.9*	*100*	*533*	*10*	*75.9*	*5*	
	04/21/05	<1.0	<1.0	**19.9**	**<100**	**533**	<10.0	**75.9**	<5.0	745.8
	11/16/05	**<5**	**<5**	**33**	**<100**	**270**	**<25**	60	<5	503
MW-54	**SSTL**	*1*	*5.2*	*10*	*100*	*263*	*10*	*17.5*	*29*	
	04/21/05	<1.0	**5.2**	<10.0	<100	263	<10.0	**17.5**	**29**	435.7
	11/16/05	**<50**	**<50**	**<250**	**<1000**	**650**	**<250**	**<250**	<50	2550
MW-55	**SSTL**	*1*	*11.2*	*129*	*100*	*423*	*10*	*59.2*	*63.4*	
	04/21/05	<1.0	**11.2**	**129**	<100	**724**	<10.0	**59.2**	**63.4**	1097.8
	11/16/05	**<5**	**14**	**130**	**<100**	**1400**	**<25**	**82**	**83**	1839

TABLE 2B
Oxygenates - Analytical Results ug/l
Handy Pantry #65 & Cloud's Chevron
Columbia, SC - USTs #07584 & #07777/12352

Well Number	Date	Ethyl-t-butylether (ug/l) ETBE	Tert-amyl methyl ether (ug/l) TAME	Tertiary butyl alcohol (ug/l) TBA	Ethanol (ug/l)	T-amyl alcohol (ug/l) TAA	T-butyl Formate (ug/l) TBF	Ethyl-t-butyl alcohol (ug/l) ETBA	Diisopropyl ether (ug/l) DIPE	Total Mass
MW-56	04/21/05	<1.0	<1.0	<10.0	<100	<10	<10.0	<10.0	<5.0	147
	11/16/05	<5	<5	<25	<100	46	<25	<25	7.4	238.4
MW-57	**SSTL**	*1*	*129*	*10*	*100*	*10*	*10*	*344*	*290*	
	04/21/05	<1.0	**129**	<10.0	<100	<10	<10.0	**344**	**786**	1390
	11/16/05	**<1000**	**<1000**	**<5000**	**<20000**	**8200**	**<5000**	**<5000**	**1200**	46400
MW-58	**SSTL**	*1*	*1*	*10*	*100*	*279*	*10*	*288*	*260*	949
	04/21/05	<1.0	<1.0	<10.0	<100	9900	<10.0	**288**	**480**	10790
	11/16/05	**87**	**88**	**<250**	**<1000**	**3500**	**<250**	**500**	**670**	6245
MW-59	04/21/05	<1.0	<1.0	<10.0	<100	<10	<10.0	<10.0	<5.0	147
	11/16/05	<5	<5	<25	<100	<25	<25	<25	<5	215
MW-60	04/21/05	<1.0	<1.0	<10.0	<100	<10	<10.0	<10.0	<5.0	147
	11/16/05	**NS**							NS	0
										0
MW-61	04/21/05	<10	<10	<10	<20	<10	<20	<10	<5	95
	11/16/05	<5	<5	<25	<100	<10	<25	<25	<5	200
MW-62	04/21/05	<10	<10	<10	<20	<10	<20	<10	<5	95
	11/16/05	<5	<5	<25	<100	<10	<25	<25	<5	200
MW-63	04/21/05	<10	<10	<10	<20	<10	<20	<10	<5	95
	11/16/05	<5	<5	<25	<100	<10	<25	<25	<5	200
MW-64	**SSTL**	*10*	*23*	*100*	*20*	*1300*	*20*	*10*	*100*	
	04/21/05	<10	23	100	<20	1300	<20	<10	100	1583
	11/16/05	<5	10	<25	<100	<25	**<25**	**170**	41	401
MW-65	**SSTL**	*100*	*100*	*100*	*200*	*1100*	*200*	*100*	*45*	
	04/21/05	<100	<100	<100	<200	1100	<200	<100	45	1145
	11/16/05	<5	<5	<25	<100	<25	<25	74	14	88
MW-66	**SSTL**	*10*	*10*	*10*	*20*	*10*	*20*	*10*	*5*	
	04/21/05	<10	<10	<10	<20	<10	<20	<10	<5	95
	11/16/05	<5	<5	**<25**	**<100**	**<25**	**<25**	**<25**	<5	215

TABLE 2B
Oxygenates - Analytical Results ug/l
Handy Pantry #65 & Cloud's Chevron
Columbia, SC - USTs #07584 & #07777/12352

Well Number	Date	Ethyl-t-butylether (ug/l) ETBE	Tert-amyl methyl ether (ug/l) TAME	Tertiary butyl alcohol (ug/l) TBA	Ethanol (ug/l)	T-amyl alcohol (ug/l) TAA	T-butyl Formate (ug/l) TBF	Ethyl-t-butyl alcohol (ug/l) ETBA	Diisopropyl ether (ug/l) DIPE	Total Mass
MW-67	04/21/05	<10	<10	<10	<20	<10	<20	<10	<5	95
	11/16/05	<5	<5	<25	<100	<25	<25	<25	<5	215
MW-68	04/21/05	<10	<10	<10	<20	<10	<20	<10	<5	95
	11/16/05	<5	<5	<25	<100	<25	<25	<25	<5	215
MW-69	04/21/05	<10	<10	<10	<20	<10	<20	<10	<5	95
	11/16/05	<5	<5	<25	<100	<25	<25	<25	<5	215
MW-70	04/21/05	<10	<10	<10	<20	<10	<20	<10	<5	95
	11/16/05	<5	<5	<25	<100	<25	<25	<25	<5	215
MW-5aR	**SSTL**	*20*	*381*	*608*	*2000*	*1403*	*200*	*1100*	*3240*	
	04/20/05	<20	**1430**	**608**	<2000	**5120**	<200	**1100**	**3240**	13718
	11/16/05	**<1000**	**2300**	**<5000**	**<20000**	**54000**	**5400**	**13000**	**4100**	104800
PW-1R	**SSTL**	*1*	*171*	*10*	*100*	*1114*	*10*	*1210*	*636*	
	04/20/05	<1.0	**171**	<10.0	<100	8380	<10.0	**1210**	**636**	10518
	11/16/05	**320**	**1400**	**1100**	**<1000**	**18000**	**<250**	**3000**	**2500**	27570
RW-1R	**SSTL**	*20*	*320*	*1470*	*2000*	*1065*	*200*	*3320*	*3840*	
	04/20/05	<20	**1080**	**1470**	**<2000**	**14500**	<200	**3320**	**3840**	26430
	11/16/05	<5	<50	<25	<100	850	<25	<250	160	1465
DW-1	04/20/05	<1.0	<1.0	<10.0	<100	<10	<10.0	<10.0	17.4	164.4
	11/16/05	<5	<5	<25	<100	<25	<25	<25	<5	215
DW-2	04/20/05	<1.0	<1.0	<10.0	<100	<10	<10.0	<10.0	<5.0	147
	11/16/05	<5	<5	<25	<100	<25	<25	<25	<5	215
DW-3	**SSTL**	*1*	*360*	*1810*	*100*	*1065*	*10*	*10*	*1430*	
	04/20/05	<1.0	**360**	**1810**	<100	**11700**	<10.0	<10.0	**1430**	15421
	11/16/05	**<5**	17	<25	<100	850	**75**	**95**	<5	1172

TABLE 2B
Oxygenates - Analytical Results ug/l
Handy Pantry #65 & Cloud's Chevron
Columbia, SC - USTs #07584 & #07777/12352

Well Number	Date	Ethyl-t-butylether (ug/l) ETBE	Tert-amyl methyl ether (ug/l) TAME	Tertiary butyl alcohol (ug/l) TBA	Ethanol (ug/l)	T-amyl alcohol (ug/l) TAA	T-butyl Formate (ug/l) TBF	Ethyl-t-butyl alcohol (ug/l) ETBA	Diisopropyl ether (ug/l) DIPE	Total Mass
DW-4	**SSTL**	*5*	*5*	*50*	*500*	*150*	*50*	*50*	*25*	
	04/21/05	<5	<5	<50	<500	<150	<50	<50	<25	835
	11/16/05	**NS**							NS	0
DW-5	04/21/05	<1.0	<1.0	<10.0	<100	<10	<10.0	<10.0	<5.0	147
	11/16/05	<5	<5	<25	<100	220	<25	<25	<5	410
DW-6	04/21/05	<1.0	<1.0	<10.0	<100	<10	<10.0	<10.0	<5.0	147
	11/16/05	<5	<5	<25	<100	<25	<25	<25	<5	215
DW-7	**SSTL**	*1*	*3.3*	*10*	*100*	*10*	*10*	*35.8*	*14.5*	
	04/21/05	<1.0	**3.3**	<10.0	<100	<10	<10.0	**35.8**	**14.5**	184.6
	11/16/05	**<10**	**<10**	**<50**	**<200**	**300**	**<50**	**<50**	**16**	686
DW-8	04/21/05	<1.0	<1.0	<10.0	<100	<10	<10.0	<10.0	<5.0	147
	11/16/05	<5	<5	<25	<100	<25	<25	<25	<5	215
DW-9	04/21/05	NS								0
	11/16/05	<5	<5	<25	<100	<25	<25	<25	<5	215
SW-1	04/21/05	<1.0	11	37	<100	422	<10.0	38.9	67.2	687.1
	11/16/05	<5	10	<25	370	<25	<25	50	74	584

Table 3A - BTEX, MTBE, Naphthalene, EDB
Mass Reduction Calculations Through November 16, 2005
Handy Pantry #65 & Cloud's Chevron
SCDHEC UST Permit # 07584 & 07777/12352
Consultech Project C-05-11-201

		Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	EDB**	Mass>SSTL
MW-2	SSTL	77	9910	1250	8540	1256	91	0.02	
	Initial	4,230	9,910	1,250	8,540	4,910	1,410	0.02	
11/16/05	Subsequent	5900	11000	1800	12000	3200	570	39.0	
	Initial > SSTL	4,153	0	0	0	3,654	1,319	0	9,126
	Subsequent > SSTL	5,823	1,090	550	3,460	1,944	479	39	13,385
MW-3	SSTL	111	14,200	2,940	7,530	1,976	108	0.02	
	Initial	5,620	14,200	2,940	7,530	10,900	910	0.02	
11/16/05	Subsequent	15,000	27,000	3,500	19,000	37,000	1,500	230	
	Initial > SSTL	5,509	0	0	0	8,924	802	0	15,235
	Subsequent > SSTL	14,889	12,800	560	11,470	35,024	1,392	230	76,365
MW-5	SSTL	87	4790	1940	10400	13	96	2.81	
	Initial	1,140	4,790	1,940	10,400	13	570	2.81	
11/16/05	Subsequent	100.0	3600	2300	8300	100.0	710	0.840	
	Initial > SSTL	1,053	0	0	0	0	474	0	1,527
	Subsequent > SSTL	13	0	360	0	87	614	0.00	1,074
MW-6	SSTL	16.1	1.5	1	119	1.0	7.1	0.02	
	Initial	16.1	1.5	1.0	119.0	1.0	7.1	0.02	
11/16/05	Subsequent	13	1.0	1.0	60	1.0	5.0	0.020	
	Initial > SSTL	0	0	0	0	0	0	0	0
	Subsequent > SSTL	0	0	0	0	0	0	0	0
MW-9	SSTL	35	7,134	773	5,230	34.3	68	0.02	
	Initial	2,280	9,010	773	5,230	34.3	900	0.02	
11/16/05	Subsequent	3,100	9,800	2,100	11,000	10	1000	0.150	
	Initial > SSTL	2,245	1,876	0	0	0	832	0	4,953
	Subsequent > SSTL	3,065	2,666	1,327	5,770	0	932	0	13,760
MW-10	SSTL	24	23,800	3,320	19,421	294	53	0.02	
	Initial	6,200	23,800	3,320	33,200	890	1,440	0.02	
11/16/05	Subsequent	12,000	17,000	2,700	13,000	540	990	0.230	
	Initial > SSTL	6,176	0	0	13,779	596	1,387	0	21,938
	Subsequent > SSTL	11,976	0	0	0	246	937	0	13,159
MW-11	SSTL	35	20	2	8	1	5	0.02	
	Initial	34.5	20.0	2.0	8.0	1.0	5.0	0.0	
11/16/05	Subsequent	25	230	25	25	25	130	0.02	
	Initial > SSTL	0	0	0	0	0	0	0	0
	Subsequent > SSTL	0	210	23	17	24	125	0	399
MW-12	SSTL	9	4,000	1,460	2,640	69	33	0.1	
	Initial	8,550	4,000	1,460	2,640	69	314	0.10	
11/16/05	Subsequent	25	230	25	25	25	130	0.020	
	Initial > SSTL	8,541	0	0	0	0	281	0	8,822
	Subsequent > SSTL	16	0	0	0	0	97	0	113
MW-15	SSTL	16	1,950	617	3,760	5.6	45	0.02	
	Initial	565	1,950	617	3,760	5.6	859	0.02	
11/16/05	Subsequent	210	520	230	720	1	190	0.020	
	Initial > SSTL	549	0	0	0	0	814	0	1,363
	Subsequent > SSTL	194	0	0	0	0	145	0	339
MW-17	SSTL	32	6,631	4,440	23,700	2.2	66	0.02	
	Initial	4,720	32,600	4,440	23,700	2.2	620	0.02	
11/16/05	Subsequent	3,500	28,000	3,600	20,000	200	1800	0.020	
	Initial > SSTL	4,704	30,650	0	19,940	0	575	0	55,869
	Subsequent > SSTL	3,484	26,050	2,983	16,240	194	1,755	0	50,706

Table 3A - BTEX, MTBE, Naphthalene, EDB
Mass Reduction Calculations Through November 16, 2005
Handy Pantry #65 & Cloud's Chevron
SCDHEC UST Permit # 07584 & 07777/12352
Consultech Project C-05-11-201

		Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	EDB**	Mass>SSTL
MW-18	SSTL	40	17,400	2,530	13,800	4260	348	8.06	
	Initial	**6,910**	**17,400**	**2,530**	**13,800**	**8,920**	**1,580**	11.2	
11/16/05	Subsequent	**18,000**	**37,000**	**3,200**	**17,000**	**6400**	**1300**	1.6	
	Initial > SSTL	6,870	0	0	0	4,660	1,232	3	12,765
	Subsequent > SSTL	17,960	19,600	670	3,200	2,140	952	0	44,522
MW-19	SSTL	54	11,081	2,980	16,300	962	86	8	
	Initial	**18,200**	**63,600**	**2,980**	**16,300**	**962**	**2,290**	24.1	
11/16/05	Subsequent	**23,000**	**48,000**	**3,600**	**20,000**	**4200**	**1300**	**1.700**	
	Initial > SSTL	18,146	52,519	0	0	0	2,204	16	72,885
	Subsequent > SSTL	22,946	36,919	620	3,700	3,238	1,214	0	68,637
MW-20	SSTL	83	17,249	1,630	12,400	18000	108	0.02	
	Initial	**12,800**	**23,400**	**1,630**	**12,400**	**18000**	**1430**	0.02	
~~11/16/05~~	~~Subsequent~~	~~**19,000**~~	~~**36,000**~~	~~**3,200**~~	~~**18,000**~~	~~7200~~	~~**1400**~~	~~0.02~~	
	Initial > SSTL	12,717	6,151	0	0	0	1,322	0	20,190
	Subsequent > SSTL	18,917	18,751	1,570	5,600	0	1,292	0	46,130
MW-22	SSTL	**90**	**3,640**	**126**	**760**	**1,800**	**112**	**0.04**	
	Initial	**800**	**3,640**	126	760	**1,800**	**148**	0.04	
11/16/05	Subsequent	**24,000**	**39,000**	**5,000**	**27,000**	780	**4600**	0.020	
	Initial > SSTL	710	0	0	0	0	36	0	746
	Subsequent > SSTL	23,910	35,360	4,874	26,240	0	4,488	0	94,872
MW-23	SSTL	**72**	**1,250**	**195**	**1,650**	**1390**	**100**	**0.02**	
	Initial	**1,770**	**1,250**	195	1,650	**1,390**	**140**	0.02	
11/16/05	Subsequent	**8,100**	**19,000**	**1,800**	**9,700**	**1600**	**1000**	**1.30**	
	Initial > SSTL	1,698	0	0	0	0	40	0	1,738
	Subsequent > SSTL	8,028	17,750	1,605	8,050	210	900	1	36,544
MW-24	SSTL	54	1,520	98	1,730	66.5	610	8	
	Initial	**1,340**	**1,520**	98	1,730	**610**	**66.5**	26.3	
11/16/05	Subsequent	**1,340**	**1,520**	98	1,730	**610**	**66.5**	5	
	Initial > SSTL	1,286	0	0	0	544	0	18	1,848
	Subsequent > SSTL	1,286	0	0	0	544	0	0.0	1,830
MW-25	SSTL	104	21,535	7,800	45,600	17.7	121	0.02	
	Initial	**6,900**	**41,800**	**7,800**	**45,600**	17.7	**3,180**	0.02	
11/16/05	Subsequent	1,600	6,200	850	4,400	17	260	0.02	
	Initial > SSTL	6,796	20,265	0	0	0	3,059	0	30,120
	Subsequent > SSTL	1,496	0	0	0	0	139	0	1,635
MW-31	SSTL	**110**	**251**	**261**	**450**	**2**	**82.9**	**0.02**	
	Initial	**227**	251	261	450	2.2	**82.9**	0.02	
11/16/05	Subsequent	20	53	21	260	1	51	0.02	
	Initial > SSTL	117	0	0	0	0	0	0	117
	Subsequent > SSTL	0	0	0	0	0	0	0.0	0
MW-32	SSTL	**71**	**740**	**406**	**2,440**	**5**	**176**	**0.02**	
	Initial	**264**	740	406	2,440	5.0	**176**	0.02	
11/16/05	Subsequent	400	14,000	520	18,000	5	170	0.088	
	Initial > SSTL	193	0	0	0	0	0	0	193
	Subsequent > SSTL	329	13,260	114	15,560	0	0	0	29,263
MW-33	SSTL	**53**	**7,820**	**938**	**4,660**	**25.6**	**164**	**0.02**	
	Initial	**3,860**	**7,820**	938	4,660	25.6	**164**	0.02	
11/16/05	Subsequent	410	1,600	290	1,400	50	100	0.02	
	Initial > SSTL	3,807	0	0	0	0	0	0	3,807
	Subsequent > SSTL	357	0	0	0	24	0	0.0	381

Table 3A - BTEX, MTBE, Naphthalene, EDB
Mass Reduction Calculations Through November 16, 2005
Handy Pantry #65 & Cloud's Chevron
SCDHEC UST Permit # 07584 & 07777/12352
Consultech Project C-05-11-201

		Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	EDB**	Mass>SSTL
MW-34	SSTL	35	9,180	1,840	10,300	1	301	0.02	
	Initial	**2,020**	**9,180**	**1,840**	**10,300**	1	**1,060**	0.02	
11/16/05	Subsequent	250	870	180	1,700	10	360	0.160	
	Initial > SSTL	1,985	0	0	0	0	759	0	2,744
	Subsequent > SSTL	215	0	0	0	9	59	0	283
MW-35	SSTL	**56**	**4,060**	**296**	**1,590**	**1,730**	**238**	**0.03**	
	Initial	**4,090**	**4,060**	296	1,590	**1,730**	**238**	0.03	
11/16/05	Subsequent	12,000	22,000	3,200	15,000	1,300	1200	3.200	
	Initial > SSTL	4,034	0	0	0	0	0	0	4,034
	Subsequent > SSTL	11,944	17,940	2,904	13,410	0	962	3.2	47,163
MW-36	SSTL	**85**	**621**	**165**	**427**	**3.7**	**29.4**	**0.48**	
	Initial	**302**	621	165	427	3.7	**29.4**	0.48	
11/16/05	Subsequent	140	310	320	1,400	1	120	0.02	
	Initial > SSTL	217	0	0	0	0	0	0	217
	Subsequent > SSTL	55	0	155	973	0	91	0	1,274
MW-37	SSTL	**90**	**1,750**	**780**	**1,870**	**1**	**158**	**2.01**	
	Initial	**764**	**1,750**	**780**	1,870	1	**158**	2.01	
11/16/05	Subsequent	360	360	44	170	160	15	0.097	
	Initial > SSTL	674	0	0	0	0	0	0	674
	Subsequent > SSTL	270	0	0	0	159	0	0.0	429
MW-39	SSTL	**90**	**23,200**	**3,050**	**16,800**	**66**	**978**	**0.02**	
	Initial	**3,680**	**23,200**	**3,050**	**16,800**	**66.0**	**2,120**	0.02	
11/16/05	Subsequent	3,100	17,000	2,600	13,000	25	830	0.29	
	Initial > SSTL	3,590	0	0	0	0	1,142	0	4,732
	Subsequent > SSTL	3,010	0	0	0	0	0	0	3,010
MW-40	SSTL	**113**	**7,660**	**3,880**	**5,220**	**1.8**	**1140**	**0.02**	
	Initial	**1,940**	**7,660**	**3,880**	5,220	1.8	**1,140**	0.02	
11/16/05	Subsequent	840	740	690	1,900	1	500	0.220	
	Initial > SSTL	1,827	0	0	0	0	0	0	1,827
	Subsequent > SSTL	727	0	0	0	0	0	0.2	727
MW-41	SSTL	**257**	**8,580**	**462**	**2,370**	**1**	**182**	**1.98**	
	Initial	**869**	**8,580**	462	2,370	1	**182**	1.98	
11/16/05	Subsequent	1	1	1	1	1	5	0.020	
	Initial > SSTL	612	0	0	0	0	0	0	612
	Subsequent > SSTL	0	0	0	0	0	0	0	0
MW-42	SSTL	**16**	**2,460**	**546**	**2,980**	**1**	**124**	**1.15**	
	Initial	**16.0**	**2,460**	546	2,980	1.0	**124**	1.15	
11/16/05	Subsequent	1	1	1	1	1	5.4	0.020	
	Initial > SSTL	0	0	0	0	0	0	0	0
	Subsequent > SSTL	0	0	0	0	0	0	0.0	0
MW-47	SSTL	**6**	**1**	**1**	**7.5**	**1**	**5**	**0.02**	
	Initial	**5.8**	1	1	7.5	1.0	5	0.02	
11/16/05	Subsequent	1	14	1	1	1	5	2.400	
	Initial > SSTL	0	0	0	0	0	0	0	0
	Subsequent > SSTL	0	13	0	0	0	0	2.4	15
MW-54	SSTL	**7**	**1**	**1**	**3**	**14.8**	**5**	**0.02**	
	Initial	**139**	1	1	2.8	14.8	5	0.02	
11/16/05	Subsequent	970	2,900	460	2,200	1,500	1100	2.700	
	Initial > SSTL	132	0	0	0	0	0	0	132
	Subsequent > SSTL	963	2,899	459	2,197	1,485	1,095	2.7	9,101
MW-55	SSTL	**11**	**1**	**6**	**1**	**103**	**16.9**	**0.02**	
	Initial	**213**	1	5.8	1	**329**	16.9	0.02	
11/16/05	Subsequent	440	1	27	1	410	39	0.110	
	Initial > SSTL	202	0	0	0	226	0	0	428
	Subsequent > SSTL	429	0	21	0	307	22	0.1	779

Table 3A - BTEX, MTBE, Naphthalene, EDB
Mass Reduction Calculations Through November 16, 2005
Handy Pantry #65 & Cloud's Chevron
SCDHEC UST Permit # 07584 & 07777/12352
Consultech Project C-05-11-201

		Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	EDB**	Mass>SSTL
MW-57	**SSTL**	**6**	**1,944**	**969**	**4,390**	**54**	**28**	**0.05**	
	Initial	**2,500**	**1,900**	360	1,400	**970**	**50**	0.05	
11/16/05	Subsequent	**8,390**	**5,400**	**1,170**	**4,390**	**1,590**	**240**	1	
	Initial > SSTL	2,494	0	0	0	916	22	0	3,432
	Subsequent > SSTL	8,384	3,456	201	0	1,536	212	1.0	13,790
MW-58	**SSTL**	**6**	**162**	**380**	**159**	**51**	**27**	**0.02**	
	Initial	**5,920**	162	380	159	**442**	**218**	0.02	
11/16/05	Subsequent	5,300	110	960	160	630	490	2.000	
	Initial > SSTL	5,914	0	0	0	391	191	0	6,496
	Subsequent > SSTL	5,294	0	580	1	579	463	2.0	6,919
MW-64	**SSTL**	**345**	**77**	**382**	**49**	**444**	**151**	**0.025**	
	Initial	**2,460**	76.6	382	48.8	**444**	**151**	0.025	
11/16/05	Subsequent	390	13	51	1	100	56	0.020	
	Initial > SSTL	2,115	0	0	0	0	0	0	2,115
	Subsequent > SSTL	45	0	0	0	0	0	0.0	45
MW-65	**SSTL**	**326**	**2,610**	**1,760**	**1,720**	**43.7**	**745**	**0.26**	
	Initial	**2,860**	**2,610**	**1,760**	1,720	**43.7**	**745**	0.26	
11/16/05	Subsequent	140	31	78	88	6	45	0.02	
	Initial > SSTL	2,534	0	0	0	0	0	0	2,534
	Subsequent > SSTL	0	0	0	0	0	0	0.0	0
MW-66	**SSTL**	**3.8**	**2.3**	**5.2**	**318**	**1**	**80.1**	**0.020**	
	Initial	3.8	2.3	5.2	318	1	**80.1**	0.02	
11/16/05	Subsequent	1	1	1	27	1	8.6	0.020	
	Initial > SSTL	0	0	0	0	0	0	0	0
	Subsequent > SSTL	0	0	0	0	0	0	0.0	0
MW-5aR	**SSTL**	**83**	**3,100**	**1,500**	**7,740**	**2,500**	**108**	**0.02**	
	Initial	**2,250**	**3,100**	**1,500**	7,740	**2,500**	**796**	0.02	
11/16/05	Subsequent	27,000	31,000	2,500	14,000	9900	1000	0.190	
	Initial > SSTL	2,167	0	0	0	0	688	0	2,855
	Subsequent > SSTL	26,917	27,900	1,000	6,260	7,400	892	0.2	70,369
RW-1R	**SSTL**	**54**	**11,081**	**2,800**	**7,150**	**3100**	**86**	**4.32**	
	Initial	**9,700**	**17,000**	**2,800**	7,150	**3,100**	**932**	4.32	
11/16/05	Subsequent	1,600	10	230	10	130	14	0.540	
	Initial > SSTL	9,646	5,919	0	0	0	846	0	16,411
	Subsequent > SSTL	1,546	0	0	0	0	0	0.0	1,546
DW-3	**SSTL**	**45**	**4,600**	**265**	**2,400**	**5,350**	**86.7**	**1.08**	
	Initial	**6,350**	**4,600**	265	2,400	**5,350**	**86.7**	1.08	
11/16/05	Subsequent	350	360	64	220	230	5	0.060	
	Initial > SSTL	6,305	0	0	0	0	0	0	6,305
	Subsequent > SSTL	305	0	0	0	0	0	0.0	305
DW-4	**SSTL**	**48**	**380**	**102**	**524**	**12**	**48**	**1.46**	
	Initial	**74.0**	380	102	524	11.5	**48.0**	1.46	
11/16/05	Subsequent	**74.0**	380	102	524	11.5	**48.0**	9.5	
	Initial > SSTL	26	0	0	0	0	0	0	26
	Subsequent > SSTL	26	0	0	0	0	0	8.0	34

Table 3A - BTEX, MTBE, Naphthalene, EDB
Mass Reduction Calculations Through November 16, 2005
Handy Pantry #65 & Cloud's Chevron
SCDHEC UST Permit # 07584 & 07777/12352
Consultech Project C-05-11-201

		Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	EDB**	Mass>SSTL
DW-7	SSTL	7	69	11	33	17.2	8	0.02	
	Initial	87.0	69.4	11.2	33.1	17.2	8.0	0.02	
11/16/05	Subsequent	40	2	2	2	20	10	0.140	
	Initial > SSTL	80	0	0	0	0	0	0	80
	Subsequent > SSTL	33	0	0	0	3	2	0.1	38
DW-9	SSTL	6	2	1	1	1	5	0.05	
	Initial	6.8	1.5	1	1	1	5	0.02	
11/16/05	Subsequent	1	5	1	1	1	5	0.02	
	Initial > SSTL	1	0	0	0	0	0	0	1
	Subsequent > SSTL	0	4	0	0	0	0	0.0	4

BTEX, MTBE,Naph., EDB

Subtotal **Initial >SSTL** **317,292**

Subsequent>SSTL **648,947**

BTEX, MTBE,Naph., EDB

Percent Mass Reduction = $\frac{\text{(Initial>SSTL - Subsequent>SSTL)}}{\text{(Initial>SSTL)}}$ **-51%**

Table 3B - Oxygenates
Mass Reduction Calculations Through November 16, 2005
Handy Pantry #65 & Cloud's Chevron
SCDHEC UST Permit #s 07584 & 07777/12352
Consultech Project C-05-11-201

		ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE	Mass>SSTL
MW-2	SSTL	*1*	*114*	*1380*	*100*	*1900*	*10*	*1650*	*319*	
	Initial	1	114	1380	100	11000	10	1650	319	
11/16/05	Subsequent	130	130	630	2500	2800	630	630	250	
	Initial > SSTL	0	0	0	0	9,100	0	0	0	9,100
	Subsequent > SSTL	129	16	0	2,400	900	620	0	0	4,065
MW-3	SSTL	*5*	*120*	*1200*	*500*	*2499*	*10*	*2490*	*810*	
	Initial	5	120	1200	500	15200	50	2490	810	
11/16/05	Subsequent	250	540	1300	5000	12000	1300	1300	1100	
	Initial > SSTL	0	0	0	0	12,701	40	0	0	12,741
	Subsequent > SSTL	245	420	100	4,500	9,501	1,290	0	290	16,056
MW-5	SSTL	*1*	*1*	*10*	*100*	*920*	*10*	*558*	*5*	
	Initial	1	1	10	100	920	10	558	5	
11/16/05	Subsequent	500	500	2500	10000	2500	2500	2500	500	
	Initial > SSTL	0	0	0	0	0	0	0	0	0
	Subsequent > SSTL	499	499	2,490	9,900	1,580	2,490	1,942.00	495	19,400
MW-6	SSTL	*1*	*1*	*38.5*	*100*	*391*	*10*	*104*	*5*	
	Initial	1	1	38.5	100	391	10	104	5	
11/16/05	Subsequent	5	5	25	100	25	25	25	5	
	Initial > SSTL	0	0	0	0	0	0	0	0	0
	Subsequent > SSTL	4	4	0	0	0	15	0	0	23
MW-9	SSTL	*1*	*17.3*	*130*	*100*	*809*	*10*	*463*	*120*	
	Initial	1	17.3	130	100	3950	10	463	120	
11/16/05	Subsequent	50	50	250	1000	250	250	250	71	
	Initial > SSTL	0	0	0	0	3,141	0	0	0	3,141
	Subsequent > SSTL	49	33	120	900	0	240	0	0	1,342
MW-10	SSTL	*20*	*300*	*834*	*2000*	*793*	*200*	*4180*	*2280*	
	Initial	20	300	834	2,000	22400	200	4180	2280	
11/16/05	Subsequent	130	230	630	2500	630	630	630	1700	
	Initial > SSTL	0	0	0	0	21,607	0	0	0	21,607
	Subsequent > SSTL	110	0	0	500	0	430	0	0	1,040
MW-11	SSTL	*1*	*1*	*26.5*	*100*	*1244*	*10*	*176*	*5*	
	Initial	1	1	26.5	100	1540	10	176	5	
11/16/05	Subsequent	130	130	630	2500	630	630	630	130	
	Initial > SSTL	0	0	0	0	296	0	0	0	296
	Subsequent > SSTL	129	129	604	2,400	0	620	454	125	4,336
MW-12	SSTL	*1*	*91.3*	*191*	*1*	*376*	*10*	*730*	*782*	
	Initial	1	91.3	191	100	9840	10	730	816	
11/16/05	Subsequent	5	5	25	100	25	25	25	5	
	Initial > SSTL	0	0	0	99	9,464	0	0	34	9,563
	Subsequent > SSTL	4	0	0	99	0	15	0	0	118
MW-15	SSTL	*1*	*1*	*36.3*	*100*	*492*	*10*	*192*	*5*	
	Initial	1	1	36.3	100	957	10	192	5	
11/16/05	Subsequent	5	5	25	100	25	25	330	5.4	
	Initial > SSTL	0	0	0	0	465	0	0	0	465
	Subsequent > SSTL	4	4	0	0	0	15	138	0	161
MW-17	SSTL	*1*	*1*	*97.8*	*100*	*773*	*10*	*1260*	*55.1*	
	Initial	1	1	97.8	100	13800	10	1260	55.1	
11/16/05	Subsequent	1000	1000	5000	20000	5000	5000	5000	1000	
	Initial > SSTL	0	0	0	0	13,308	0	1,068	0	14,376
	Subsequent > SSTL	999	999	4,964	19,900	4,508	4,990	4,808	945	41,168
MW-18	SSTL	*1*	*759*	*1170*	*100*	*938*	*10*	*4900*	*2040*	
	Initial	1	759	1170	100	28800	10	4900	2040	
11/16/05	Subsequent	1000	1000	5000	20000	5000	5000	5000	2800	
	Initial > SSTL	0	0	0	0	27,862	0	0	0	27,862
	Subsequent > SSTL	999	241	3,830	19,900	4,062	4,990	100	760	34,122

Table 3B - Oxygenates
Mass Reduction Calculations Through November 16, 2005
Handy Pantry #65 & Cloud's Chevron
SCDHEC UST Permit #s 07584 & 07777/12352
Consultech Project C-05-11-201

		ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE	Mass>SSTL
MW-19	SSTL	*1*	*320*	*1740*	*100*	*1065*	*10*	*4040*	*2910*	
	Initial	1	607	1740	100	9730	10	4040	2910	
11/16/05	Subsequent	1000	1000	5000	20000	5000	5000	5000	2300	
	Initial > SSTL	0	287	0	0	8,665	0	0	0	8,952
	Subsequent > SSTL	999	680	3,260	19,900	3,935	4,990	960	0	34,724
MW-20	SSTL	*1*	*320*	*1740*	*100*	*1065*	*10*	*4040*	*2910*	
	Initial	1	607	1740	100	9730	10	4040	2910	
11/16/05	Subsequent	1000	1000	5000	20000	5000	5000	5000	2300	
	Initial > SSTL	0	287	0	0	8,665	0	0	0	8,952
	Subsequent > SSTL	999	680	3,260	19,900	3,935	4,990	960	0	34,724
MW-22	SSTL	*20*	*392*	*484*	*2000*	*1469*	*200*	*872*	*2420*	
	Initial	20	788	484	2,000	5540	200	872	2420	
11/16/05	Subsequent	1000	1000	5000	20000	5000	5000	5000	1900	
	Initial > SSTL	0	396	0	0	4,071	0	0	0	4,467
	Subsequent > SSTL	980	608	4,516	18,000	3,531	4,800	4,128	0	36,563
MW-23	SSTL	*1*	*83*	*10*	*100*	*1279*	*10*	*777*	*314*	
	Initial	1	83	10	100	5210	10	777	314	
11/16/05	Subsequent	56	1000	25	100	25	25	5000	1000	
	Initial > SSTL	0	0	0	0	3,931	0	0	0	3,931
	Subsequent > SSTL	55	917	15	0	0	15	4,223	686	5,225
MW-24	SSTL	*1*	*60*	*10*	*100*	*1065*	*10*	*1150*	*449*	
	Initial	1	60	10	100	4890	10	1150	449	
11/16/05	Subsequent	1	60	10	100	4,890	10	1150	440	
	Initial > SSTL	0	0	0	0	3,825	0	0	0	3,825
	Subsequent > SSTL	0	0	0	0	3,825	0	0.0	0	3,825
MW-25	SSTL	*1*	*1*	*10*	*100*	*10*	*10*	*10*	*154*	
	Initial	1	1	10	100	10	10	10	154	
11/16/05	Subsequent	5	5	25	100	25	25	25	110	
	Initial > SSTL	0	0	0	0	0	0	0	0	0
	Subsequent > SSTL	4	4	15	0	15	15	15	0	68
MW-31	SSTL	*1*	*1*	*10*	100	1100	*10*	*329*	*5*	
	Initial	1	1	10	100	1100	10	329	5	
11/16/05	Subsequent	5	5	25	100	25	25	120	5	
	Initial > SSTL	0	0	0	0	0	0	0	0	0
	Subsequent > SSTL	4	4	15	0	0	15	0.0	0	38
MW-32	SSTL	*5*	*5*	*202*	*500*	*1377*	*50*	*347*	*25*	
	Initial	5	5	202	500	3220	50	347	25	
11/16/05	Subsequent	25	25	130	500	130	130	5000	25	
	Initial > SSTL	0	0	0	0	1,843	0	0	0	1,843
	Subsequent > SSTL	20	20	0	0	0	80	4,653	0	4,773
MW-33	SSTL	*1*	*65.5*	*1136*	*100*	*1136*	*10*	*1190*	*392*	
	Initial	1	65.5	10	100	25	10	1190	392	
11/16/05	Subsequent	5	5	25	500	130	25	500	120	
	Initial > SSTL	0	0	0	0	0	0	0	0	0
	Subsequent > SSTL	4	0	0	400	0	15	0.0	0	419
MW-34	SSTL	*1*	*1*	*10*	*100*	*10*	*10*	*779*	*34.1*	
	Initial	1	1	10	100	10	10	779	34.1	
11/16/05	Subsequent	50	50	250	1000	5300	250	2800	50	
	Initial > SSTL	0	0	0	0	0	0	0	0	0
	Subsequent > SSTL	49	49	240	900	5,290	240	2,021	16	8,789
MW-35	SSTL	*10*	*286*	*536*	*1000*	*1181*	*100*	*10*	*1200*	
	Initial	10	286	536	1000	11400	100	2010	1200	
11/16/05	Subsequent	5	1000	5000	100	25	25	5000	1300	
	Initial > SSTL	0	0	0	0	10,219	0	2,000	0	12,219
	Subsequent > SSTL	0	714	4,464	0	0	0	4,990.0	100	10,168

Table 3B - Oxygenates
Mass Reduction Calculations Through November 16, 2005
Handy Pantry #65 & Cloud's Chevron
SCDHEC UST Permit #s 07584 & 07777/12352
Consultech Project C-05-11-201

		ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE	Mass>SSTL
MW-36	SSTL	*10*	*286*	*536*	*1000*	*1181*	*100*	*10*	*1200*	
	Initial	10	286	536	1000	11400	100	2010	1200	
11/16/05	Subsequent	5	1000	5000	100	25	25	5000	1300	
	Initial > SSTL	0	0	0	0	10,219	0	2,000	0	12,219
	Subsequent > SSTL	0	714	4,464	0	0	0	4,990	100	10,168
MW-37	SSTL	*1*	*2.4*	*1420*	*100*	*1420*	*10*	*1100*	*14.2*	
	Initial	1	2.4	100	100	1420	10	1100	14.2	
11/16/05	Subsequent	5	12	25	100	330	25	45	52	
	Initial > SSTL	0	0	0	0	0	0	0	0	0
	Subsequent > SSTL	4	10	0	0	0	15	0.0	38	29
MW-39	SSTL	*20*	*20*	*200*	*2000*	*1607*	*200*	*1920*	*100*	
	Initial	20	20	200	2000	2180	200	1920	100	
11/16/05	Subsequent	130	130	630	2500	630	630	630	130	
	Initial > SSTL	0	0	0	0	573	0	0	0	573
	Subsequent > SSTL	110	110	430	500	0	430	0	30	1,580
MW-40	SSTL	*20*	*20*	*200*	*2000*	*1607*	*200*	*1920*	*100*	
	Initial	20	20	200	2000	2180	200	1920	100	
11/16/05	Subsequent	130	130	630	2500	630	630	630	130	
	Initial > SSTL	0	0	0	0	573	0	0	0	573
	Subsequent > SSTL	110	110	430	500	0	430	0.0	30	1,580
MW-41	SSTL	*1*	*1.6*	*10*	*100*	*10*	*10*	*130*	*19.3*	
	Initial	1	1.6	10	100	10	10	130	19.3	
11/16/05	Subsequent	5	5	25	100	25	25	25	5	
	Initial > SSTL	0	0	0	0	0	0	0	0	0
	Subsequent > SSTL	4	3	15	0	15	15	0	0	52
MW-42	SSTL	*1*	*1*	*10*	*100*	*10*	*10*	*82.4*	*5*	
	Initial	1	1	10	100	10	10	82.4	5	
11/16/05	Subsequent	5	5	25	100	25	25	25	5	
	Initial > SSTL	0	0	0	0	0	0	0	0	0
	Subsequent > SSTL	4	4	15	0	15	15	0.0	0	53
MW-47	SSTL	*1*	*1*	*54.2*	*100*	*739*	*10*	*369*	*5*	
	Initial	1	1	54.2	100	3710	10	369	5	
11/16/05	Subsequent	5	5	25	100	25	25	25	5	
	Initial > SSTL	0	0	0	0	2,971	0	0	0	2,971
	Subsequent > SSTL	4	4	0	0	0	15	0.0	0	23
MW-54	SSTL	*1*	*5.2*	*10*	*100*	*263*	*10*	*17.5*	*29*	
	Initial	1	5.2	10	100	263	10	17.5	29	
11/16/05	Subsequent	50	50	250	1000	650	250	250	50	
	Initial > SSTL	0	0	0	0	0	0	0	0	0
	Subsequent > SSTL	49	45	240	900	387	240	232.5	21	2,093
MW-55	SSTL	*1*	*11.2*	*129*	*100*	*423*	*10*	*59.2*	*63.4*	
	Initial	1	11.2	129	100	724	10	59.2	63.4	
11/16/05	Subsequent	5	14	130	100	1400	25	82	83	
	Initial > SSTL	0	0	0	0	301	0	0	0	301
	Subsequent > SSTL	4	3	1	0	977	15	22.8	20	1,023
MW-57	SSTL	*1*	*129*	*10*	*100*	*10*	*10*	*344*	*290*	
	Initial	1	129	10	100	10	10	344	786	
11/16/05	Subsequent	1000	1000	5000	20000	8200	5000	5000	1200	
	Initial > SSTL	0	0	0	0	0	0	0	496	0
	Subsequent > SSTL	999	871	4,990	19,900	8,190	4,990	4,656.0	910	44,596
MW-58	SSTL	*1*	*1*	*10*	*100*	*279*	*10*	*288*	*260*	
	Initial	1	1	10	100	9900	10	288	480	
11/16/05	Subsequent	87	88	250	1000	3500	250	500	670	
	Initial > SSTL	0	0	0	0	9,621	0	0	220	9,621
	Subsequent > SSTL	86	87	240	900	3,221	240	212.0	410	4,986

Table 3B - Oxygenates
Mass Reduction Calculations Through November 16, 2005
Handy Pantry #65 & Cloud's Chevron
SCDHEC UST Permit #s 07584 & 07777/12352
Consultech Project C-05-11-201

		ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE	Mass>SSTL
MW-64	SSTL	*10*	*23*	*100*	*20*	*1300*	*20*	*10*	*100*	
	Initial	10	23	100	20	1300	20	10	100	
11/16/05	Subsequent	5	10	25	100	25	25	170	41	
	Initial > SSTL	0	0	0	0	0	0	0	0	0
	Subsequent > SSTL	0	0	0	80	0	5	160.0	0	245
MW-65	SSTL	*100*	*100*	*100*	*200*	*1100*	*200*	*100*	*45*	
	Initial	100	100	100	200	1100	200	100	45	
11/16/05	Subsequent	5	5	25	100	25	25	74	14	
	Initial > SSTL	0	0	0	0	0	0	0	0	0
	Subsequent > SSTL	0	0	0	0	0	0	0.0	0	0
MW-66	SSTL	*10*	*10*	*10*	*20*	*10*	*20*	*10*	*5*	
	Initial	10	10	10	20	10	20	10	5	
11/16/05	Subsequent	5	5	25	100	25	25	25	5	
	Initial > SSTL	0	0	0	0	0	0	0	0	0
	Subsequent > SSTL	0	0	15	80	15	5	15.0	0	130
MW-5aR	SSTL	*20*	*381*	*608*	*2000*	*1403*	*200*	*1100*	*3240*	
	Initial	20	1430	608	2000	5120	200	1100	3240	
11/16/05	Subsequent	1000	2300	5000	20000	54000	5400	13000	4100	
	Initial > SSTL	0	1,049	0	0	3,717	0	0	0	4,766
	Subsequent > SSTL	980	1,919	4,392	18,000	52,597	5,200	11,900.0	860	94,988
PW-1R	SSTL	*1*	*171*	*10*	*100*	*1114*	*10*	*1210*	*636*	
	Initial	1	171	10	100	8380	10	1210	636	
11/16/05	Subsequent	320	1400	1100	1000	18000	250	3000	2500	
	Initial > SSTL	0	0	0	0	6,977	0	110	0	7,087
	Subsequent > SSTL	300	1,019	492	0	16,597	50	1,900.0	0	20,358
RW-1R	SSTL	*20*	*320*	*1470*	*2000*	*1065*	*200*	*3320*	*3840*	
	Initial	20	1080	1470	2000	14500	200	3320	3840	
11/16/05	Subsequent	5	50	25	100	850	25	250	160	
	Initial > SSTL	19	909	0	1,900	13,386	190	2,110	3,204	18,514
	Subsequent > SSTL	4	0	15	0	0	15	0.0	0	34
DW-3	SSTL	*1*	*360*	*1810*	*100*	*1065*	*10*	*10*	*1430*	
	Initial	1	360	1810	100	11700	10	10	1430	
11/16/05	Subsequent	5	17	25	100	850	75	95	5	
	Initial > SSTL	0	0	0	0	10,635	0	0	0	10,635
	Subsequent > SSTL	4	0	0	0	0	65	85.0	0	154
DW-4	SSTL	*5*	*5*	*50*	*500*	*150*	*50*	*50*	*25*	
	Initial	5	5	50	500	150	50	50	25	
11/16/05	Subsequent	5	5	50	500	150	50	50	25	
	Initial > SSTL	0	0	0	0	0	0	0	0	0
	Subsequent > SSTL	0	0	0	0	0	0	0.0	0	0
DW-7	SSTL	*1*	*3.3*	*10*	*100*	*10*	*10*	*35.8*	*14.5*	
	Initial	1	3.3	10	100	10	10	35.8	14.5	
11/16/05	Subsequent	10	10	50	200	300	50	50	16	
	Initial > SSTL	0	0	0	0	0	0	0	0	0
	Subsequent > SSTL	9	7	40	100	290	40	14.2	2	500

Oxygenates

Subtotal **Initial>SSTL** 210,600

Subsequent>SSTL 443,738

Oxygenates
Percent Mass Reduction $\frac{\text{(Initial>SSTL- Subsequent>SSTL)}}{\text{Initial >SSTL}}$ **-111%**

BTEX, MTBE, Naph., EDB
Oxygenates

Initial>SSTL 527,892
Subsequent>SSTL 1,092,685

Percent Mass Reduction $\frac{\text{(Initial>SSTL- Subsequent>SSTL)}}{\text{Initial >SSTL}}$ **-107%**

FIGURES

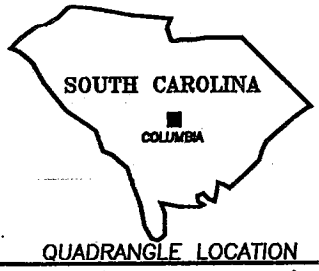


SOURCE: U.S. DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SCALE: 1 : 24,000

0 2,000 4,000

APPROXIMATE SCALE IN FEET



QUADRANGLE LOCATION

DRAWN: K.L.B.	DATE: 12/23/05
REV.: 0	
HANDY PANTRY 65 & CLOUD'S CHEVRON	
PROJECT No.: C-05-11-201	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 1
SITE LOCATION MAP

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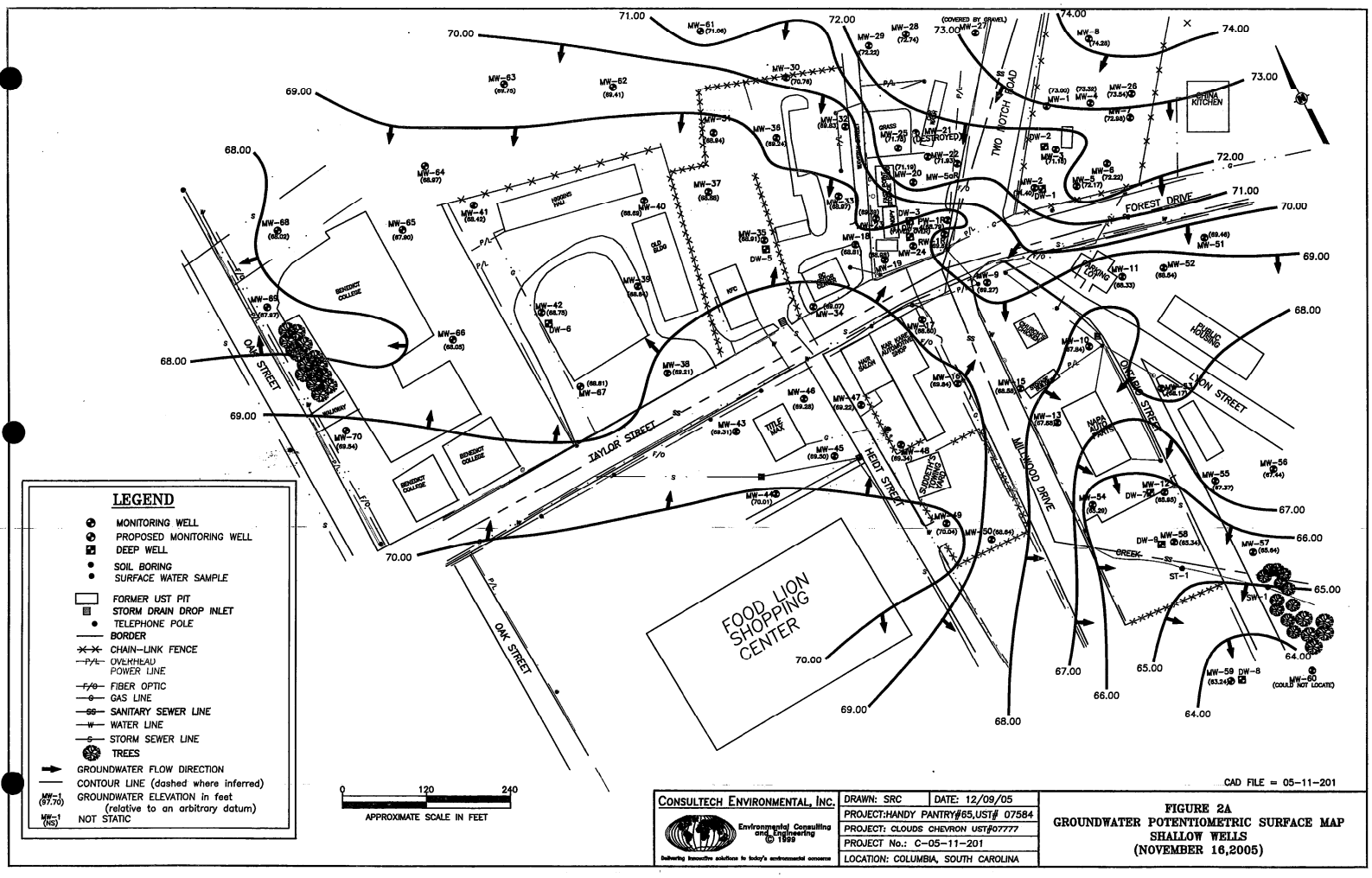
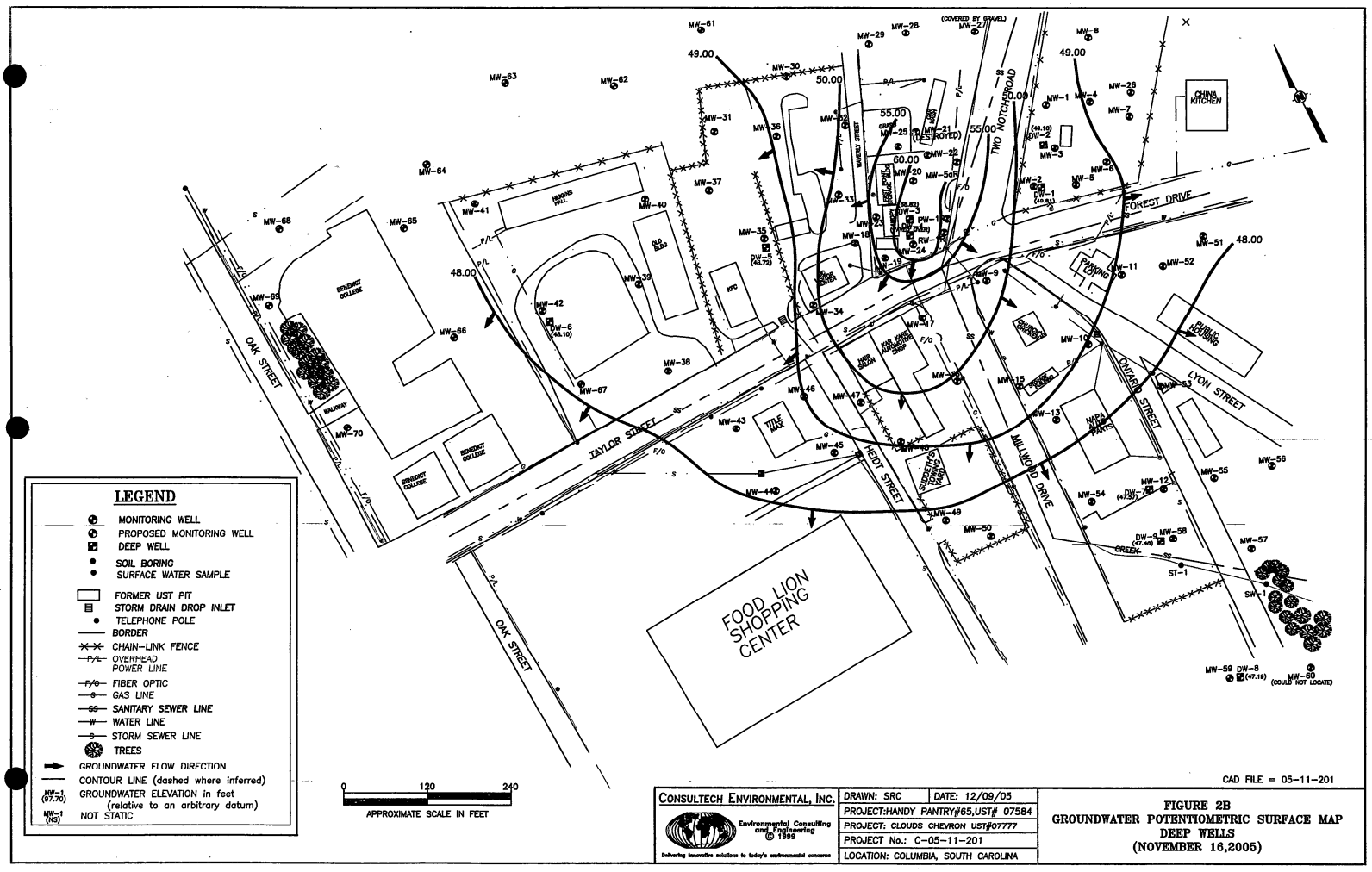


CONSULTECH ENVIRONMENTAL, INC.	DRAWN: SRC	DATE: 12/09/05
Environmental Consulting and Engineering © 1999	PROJECT:HANDY PANTRY#65,UST# 07584	
Delivering innovative solutions to today's environmental concerns	PROJECT: CLOUDS CHEVRON UST#07777	
	PROJECT No.: C-05-11-201	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 2A
GROUNDWATER POTENTIOMETRIC SURFACE MAP
SHALLOW WELLS
(NOVEMBER 16,2005)



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DRAWN: SRC	DATE: 12/09/05
PROJECT:HANDY PANTRY#65,UST# 07584	
PROJECT: CLOUDS CHEVRON UST#07777	
PROJECT No.: C-05-11-201	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 2B
GROUNDWATER POTENTIOMETRIC SURFACE MAP
DEEP WELLS
(NOVEMBER 16,2005)

Figure 3A:

Groundwater Elevations vs. Time
Former Handy Pantry #65 and Clouds Chevron
UST Permit #s: 07584 & 07777/12352
Consultech Project No. C-05-11-201

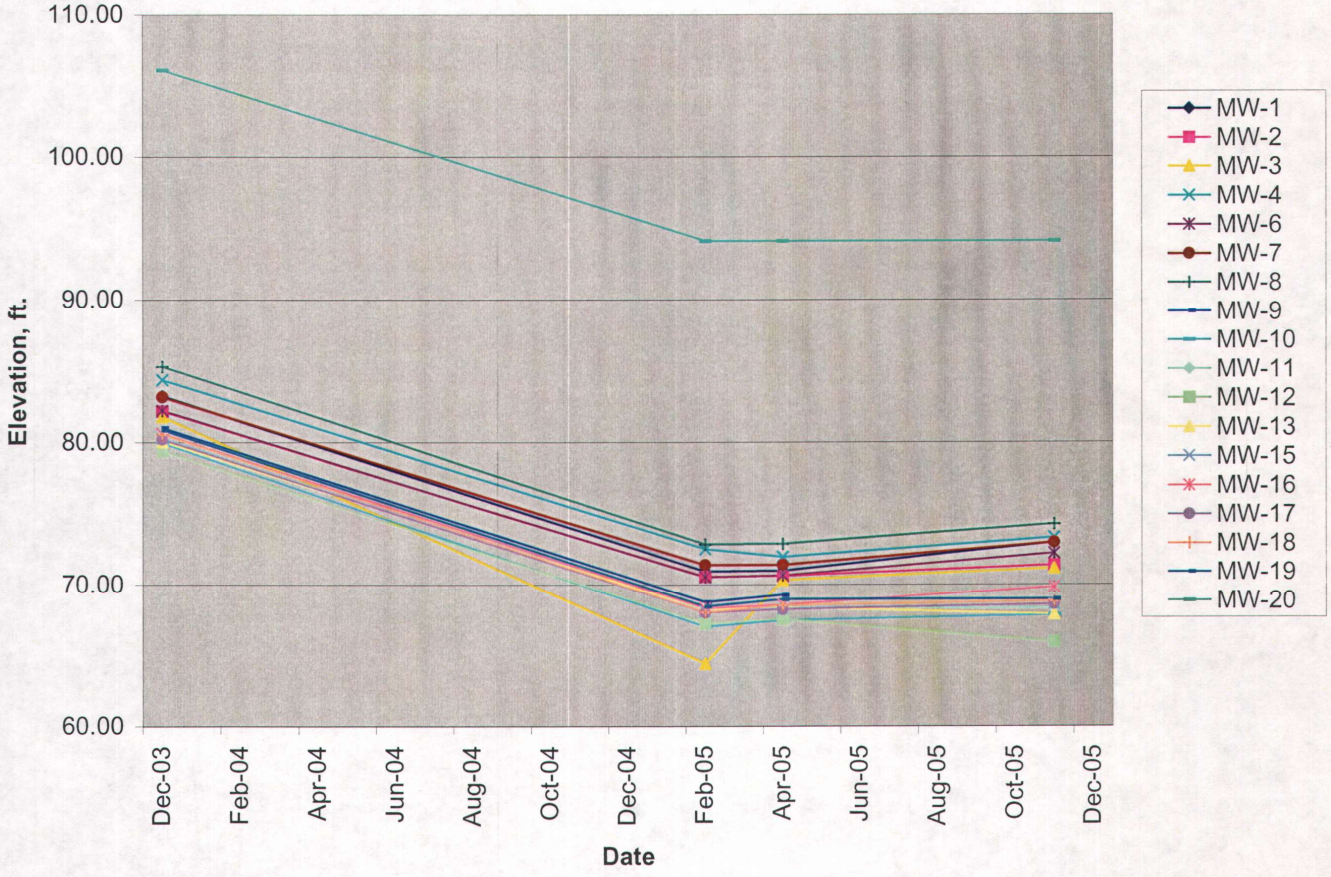


Figure 3B

Groundwater Elevations vs. Time
Former Handy Pantry #65 and Clouds Chevron
UST Permit #s: 07584 & 07777/12352
Consultech Project No. C-05-11-201

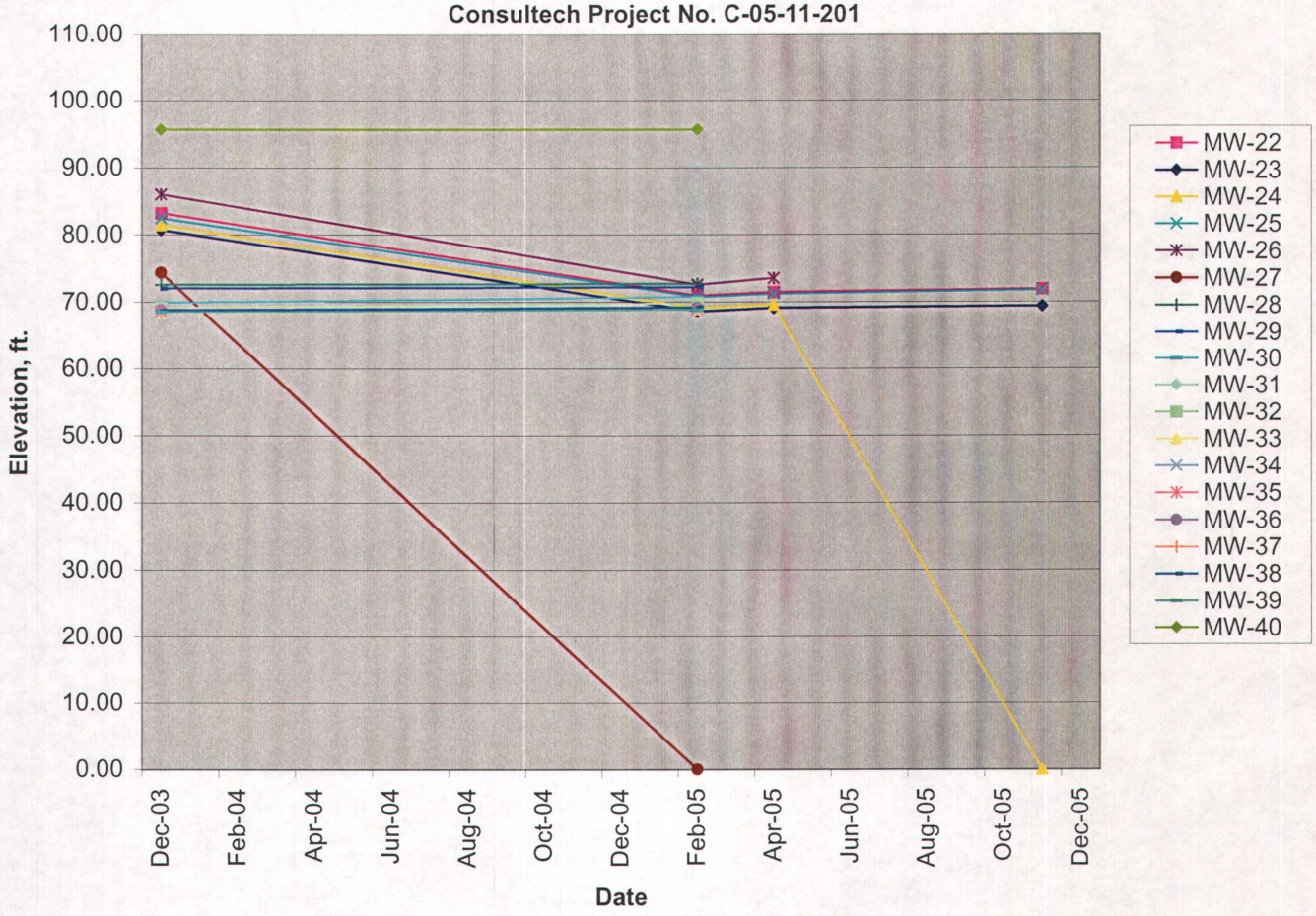


Figure 3C

Groundwater Elevations vs. Time
Former Handy Pantry #65 and Clouds Chevron
UST Permit #s: 07584 & 07777/12352
Consultech Project No. C-05-11-201

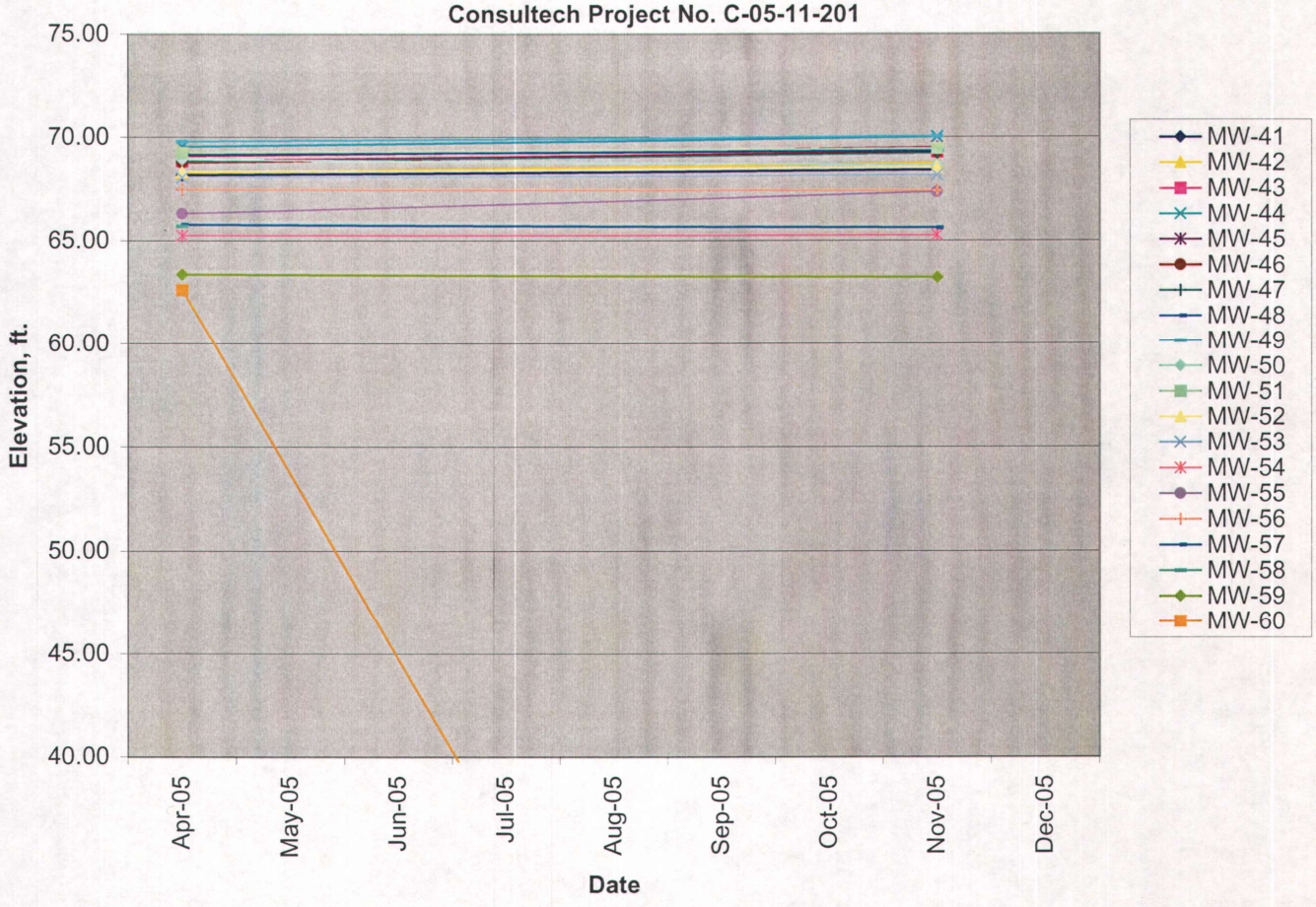


Figure 3D

Groundwater Elevations vs. Time
Former Handy Pantry #65 and Clouds Chevron
UST Permit #s: 07584 & 07777/12352
Consultech Project No. C-05-11-201

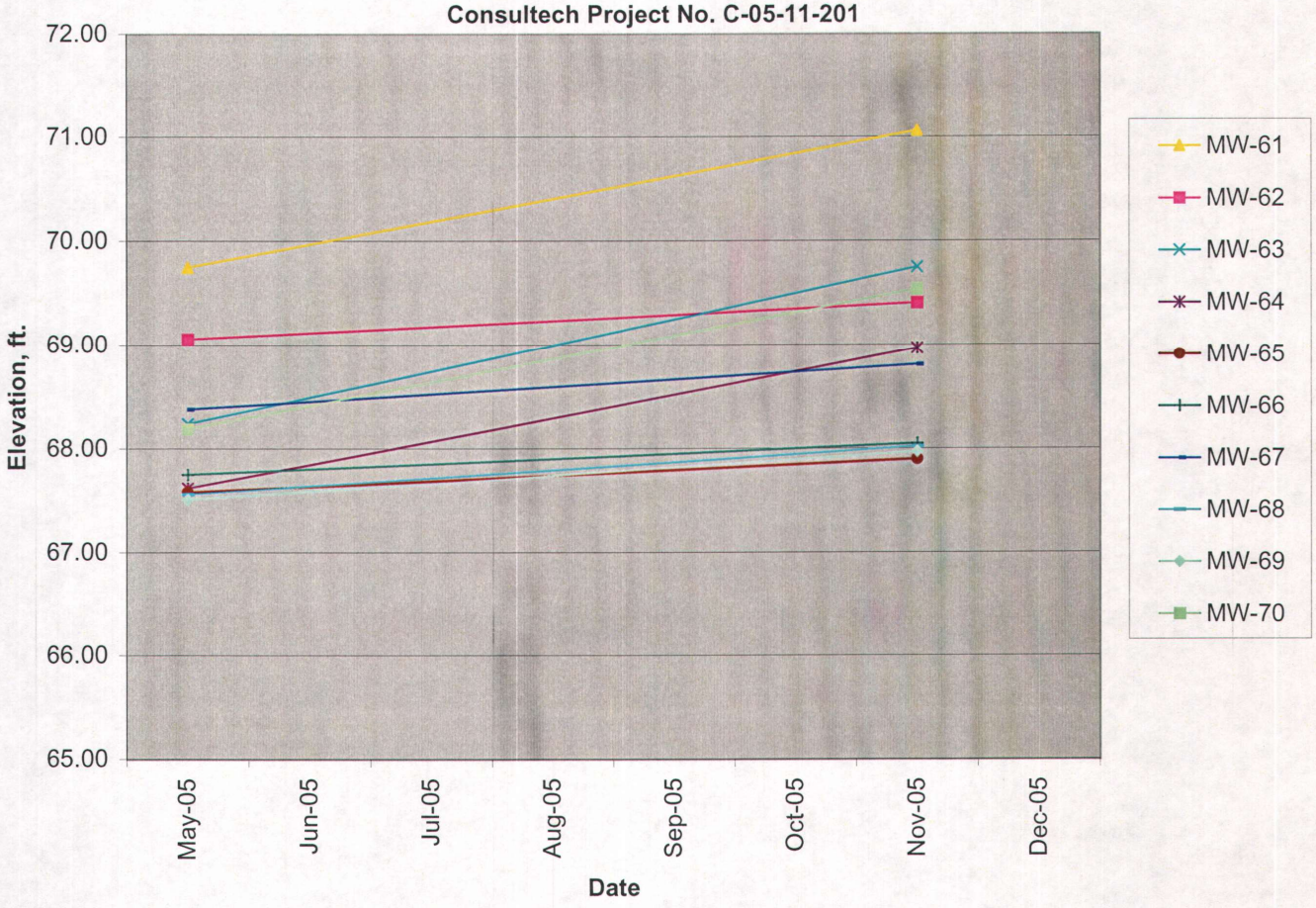
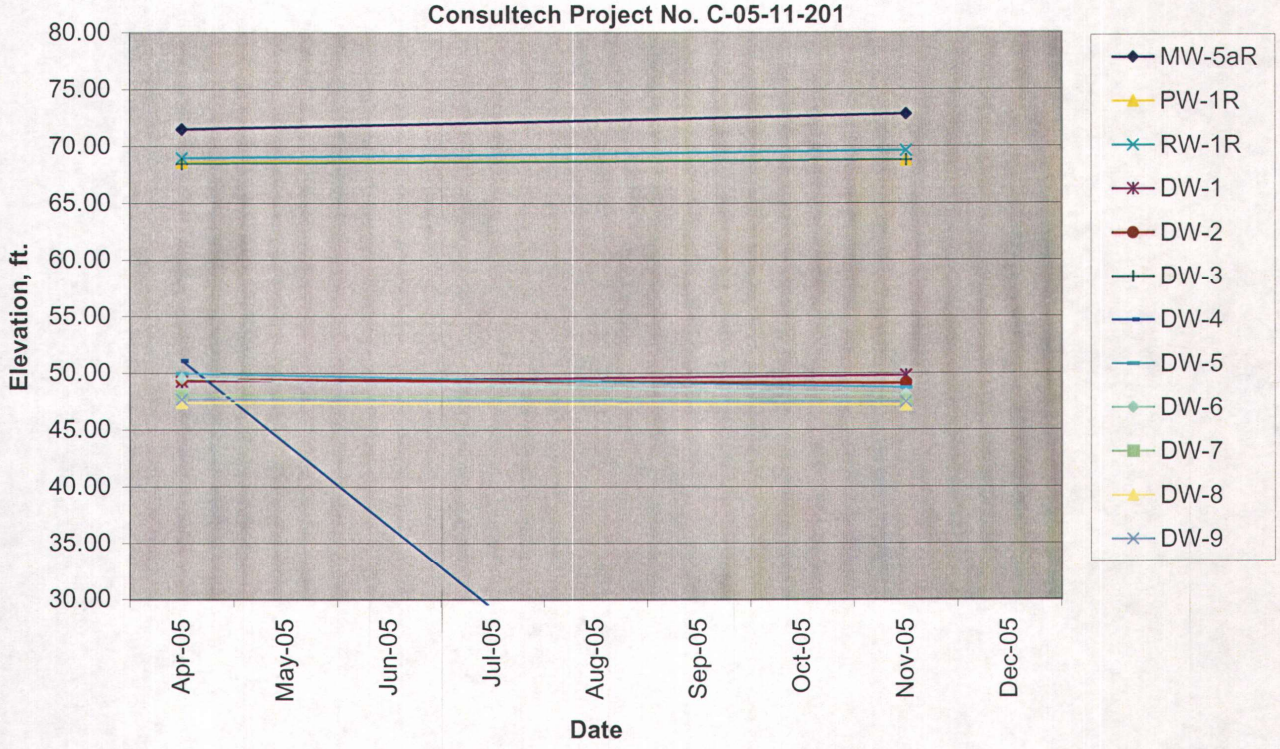
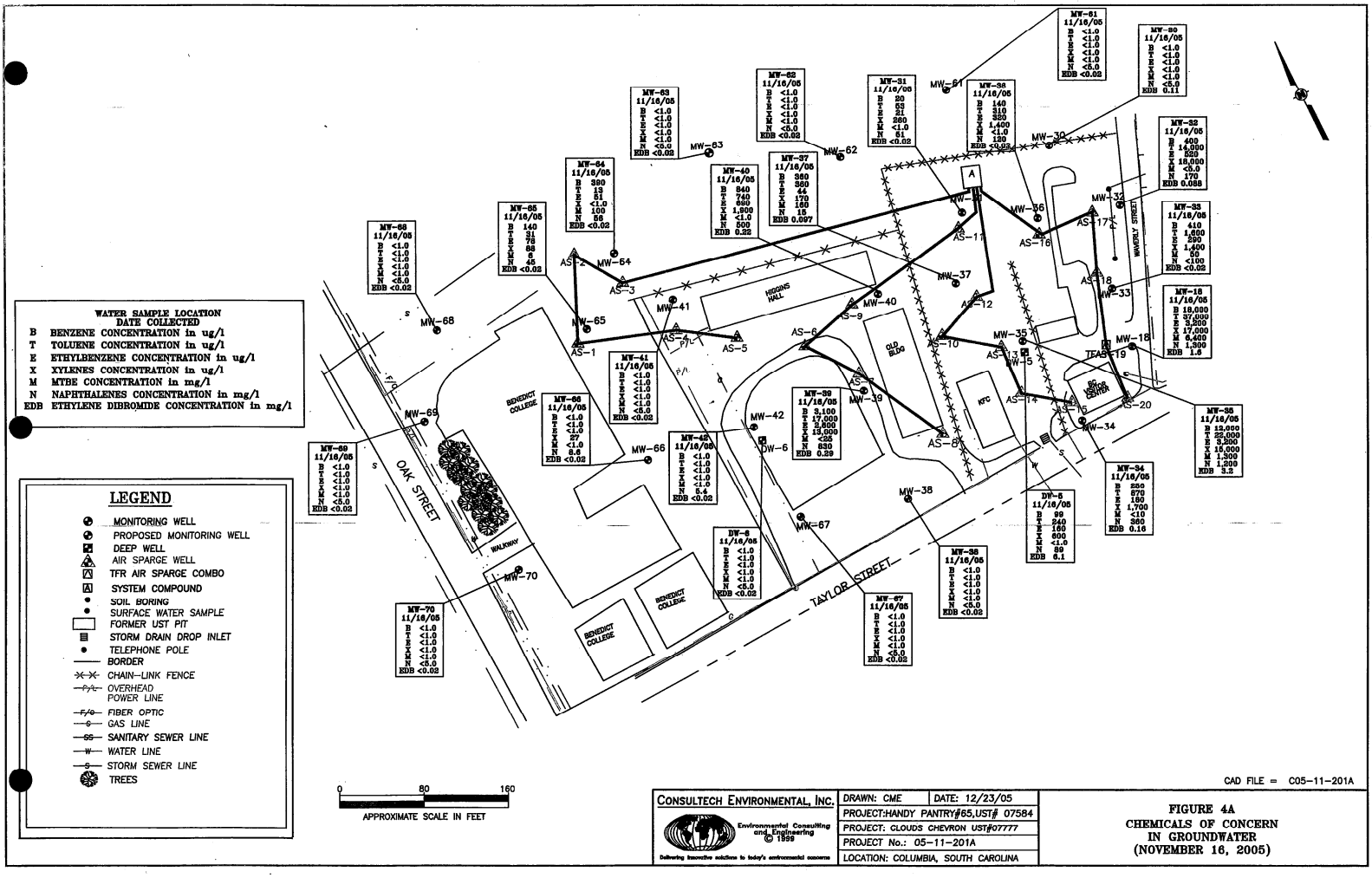


Figure 3E

Groundwater Elevations vs. Time
Former Handy Pantry #65 and Clouds Chevron
UST Permit #s: 07584 & 07777/12352
Consultech Project No. C-05-11-201





CAD FILE = C05-11-201A

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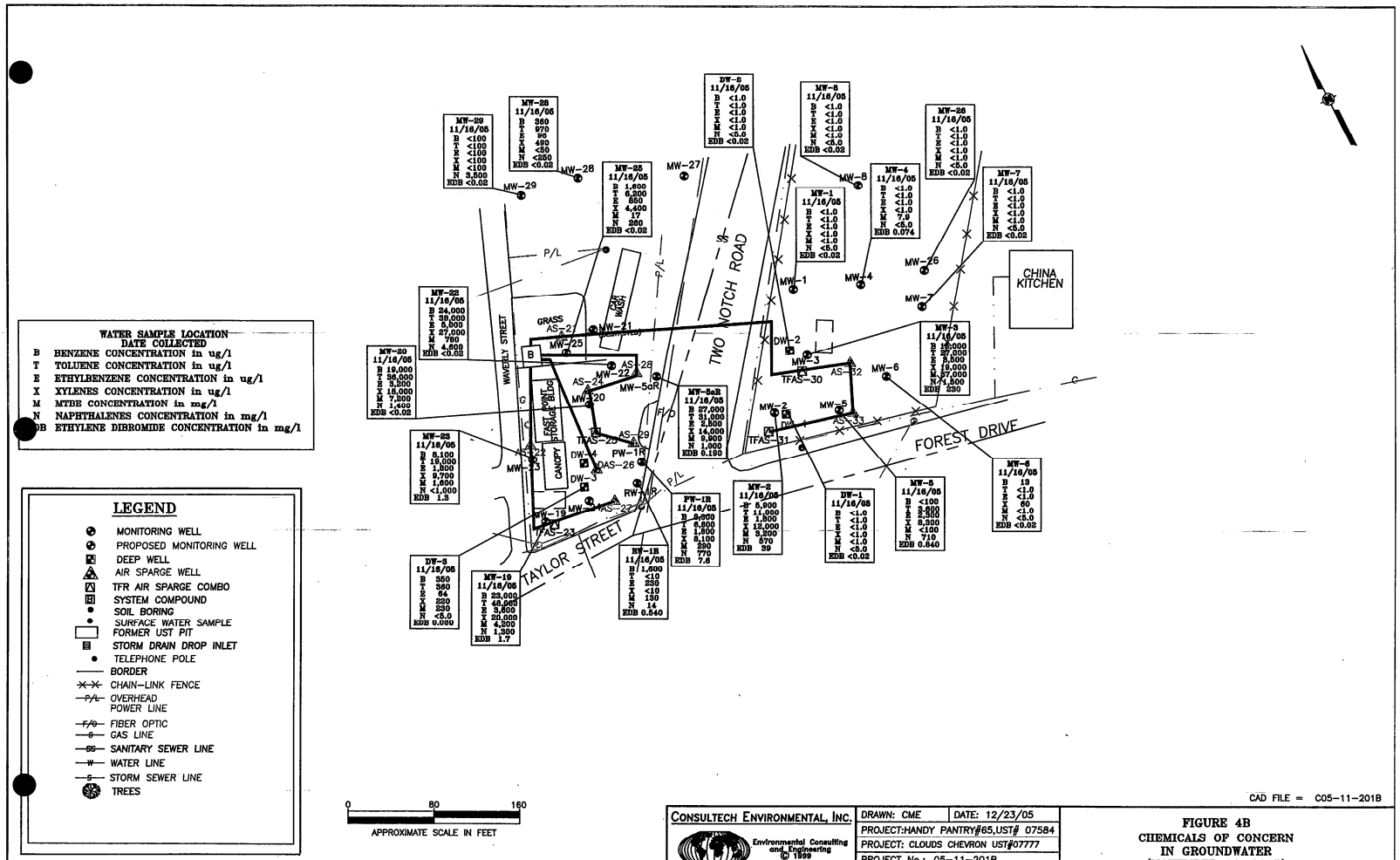
DRAWN: CME	DATE: 12/23/05
PROJECT:HANDY PANTRY#65,UST# 07584	
PROJECT: CLOUDS CHEVRON UST#07777	
PROJECT No.: 05-11-201A	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 4A
CHEMICALS OF CONCERN IN GROUNDWATER (NOVEMBER 16, 2005)



CAD FILE = C05-11-201B

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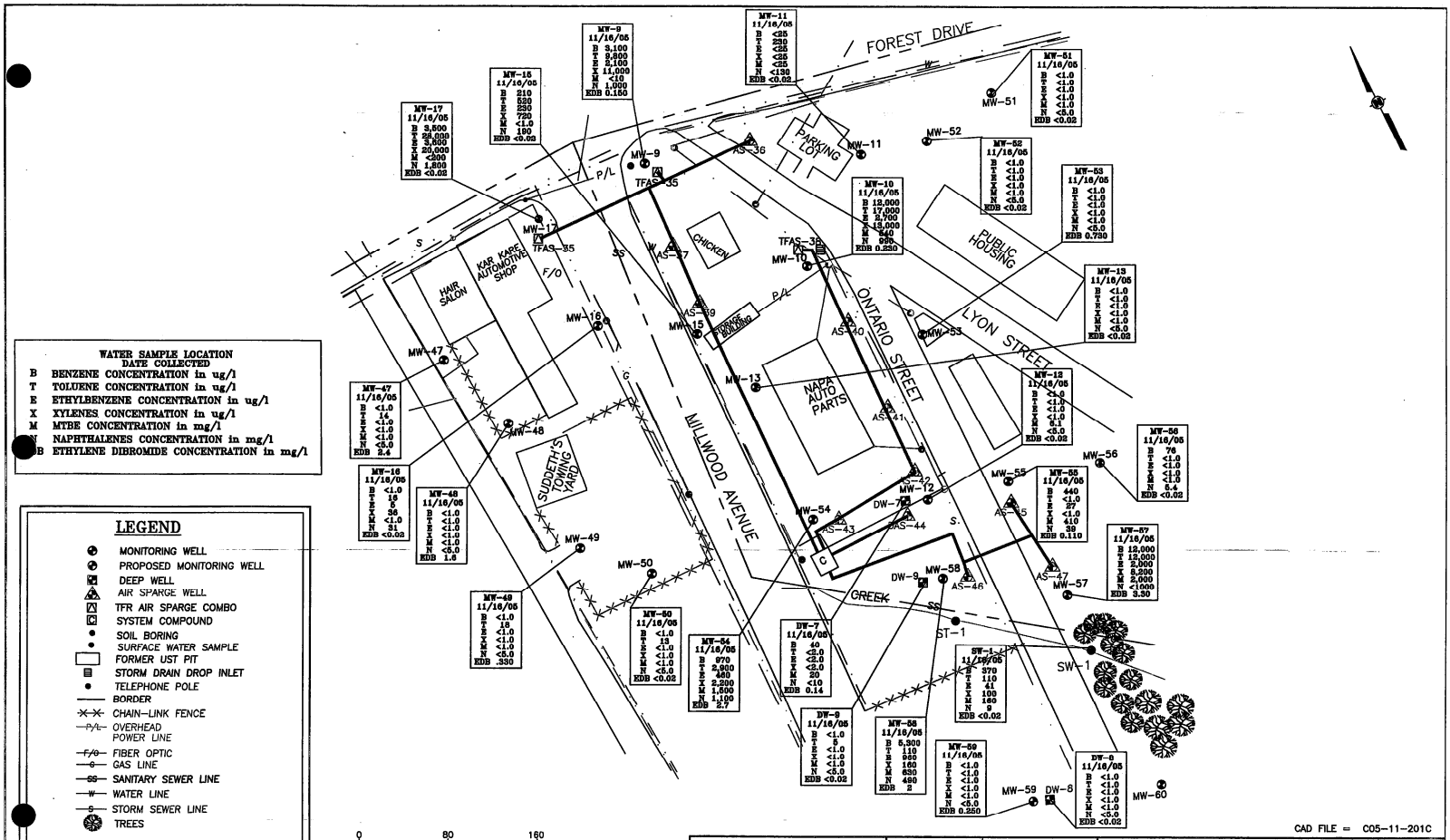
	PROJECT: HANDY PANTRY #65, UST # 07584	
	PROJECT: CLOUDS CHEVRON UST #07777	
	PROJECT No.: 05-11-201B	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 4B
CHEMICALS OF CONCERN IN GROUNDWATER (NOVEMBER 16, 2005)



WATER SAMPLE LOCATION
DATE COLLECTED

- B BENZENE CONCENTRATION in ug/l
- T TOLUENE CONCENTRATION in ug/l
- E ETHYLBENZENE CONCENTRATION in ug/l
- X XYLENES CONCENTRATION in ug/l
- M MTBE CONCENTRATION in mg/l
- N NAPHTHALENES CONCENTRATION in mg/l
- EDB ETHYLENE DIBROMIDE CONCENTRATION in mg/l

LEGEND

- MONITORING WELL
- PROPOSED MONITORING WELL
- DEEP WELL
- AIR SPARGE WELL
- TFR AIR SPARGE COMBO
- SYSTEM COMPOUND
- SOIL BORING
- SURFACE WATER SAMPLE
- FORMER UST PIT
- STORM DRAIN DROP INLET
- TELEPHONE POLE
- BORDER
- CHAIN-LINK FENCE
- OVERHEAD POWER LINE
- FIBER OPTIC
- GAS LINE
- SANITARY SEWER LINE
- WATER LINE
- STORM SEWER LINE
- TREES

CAD FILE = C05-11-201C

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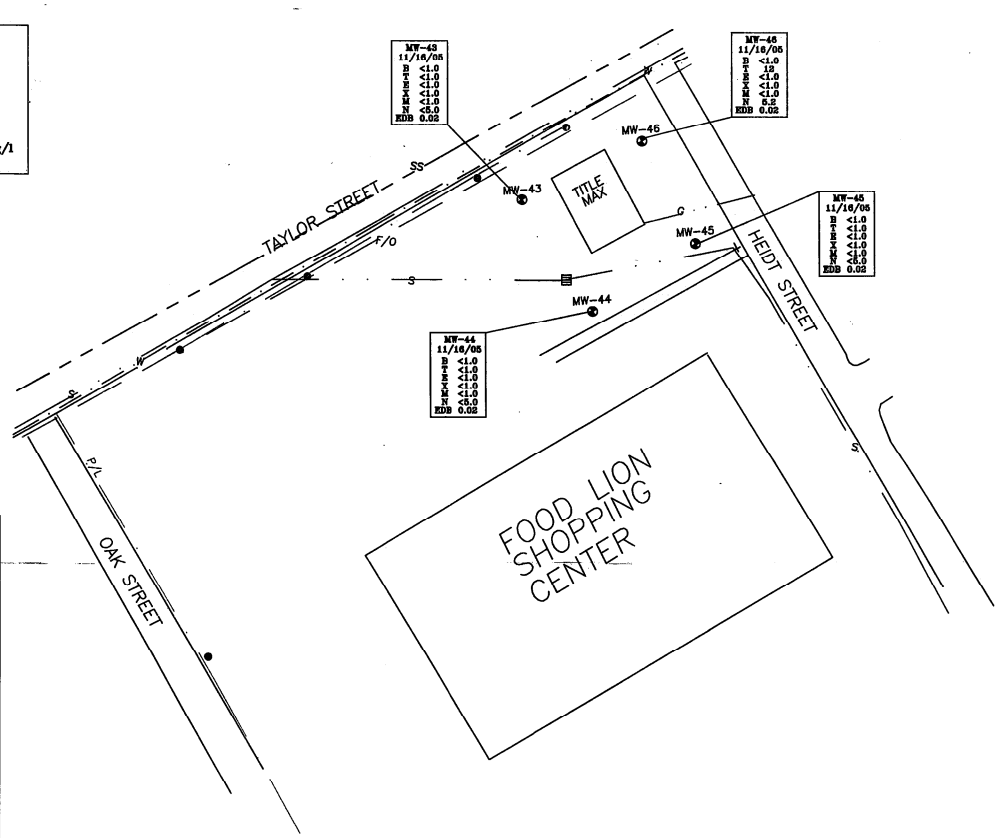
PROJECT:HANDY PANTRY#65,UST# 07584	
PROJECT: CLOUDS CHEVRON UST#07777	
PROJECT No.: 05-11-201C	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 4C
CHEMICALS OF CONCERN IN GROUNDWATER (NOVEMBER 16, 2005)

WATER SAMPLE LOCATION
DATE COLLECTED
B BENZENE CONCENTRATION in ug/l
T TOLUENE CONCENTRATION in ug/l
E ETHYLBENZENE CONCENTRATION in ug/l
X XYLENES CONCENTRATION in ug/l
M MTBE CONCENTRATION in mg/l
N NAPHTHALENES CONCENTRATION in mg/l
EDB ETHYLENE DIBROMIDE CONCENTRATION in mg/l



LEGEND
- MONITORING WELL
- PROPOSED MONITORING WELL
- DEEP WELL
- SOIL BORING
- SURFACE WATER SAMPLE
- FORMER UST PIT
- STORM DRAIN DROP INLET
- TELEPHONE POLE
- BORDER
- CHAIN-LINK FENCE
- OVERHEAD POWER LINE
- FIBER OPTIC
- GAS LINE
- SANITARY SEWER LINE
- WATER LINE
- STORM SEWER LINE
- TREES

0 80 160
APPROXIMATE SCALE IN FEET

CAD FILE = C05-11-201D

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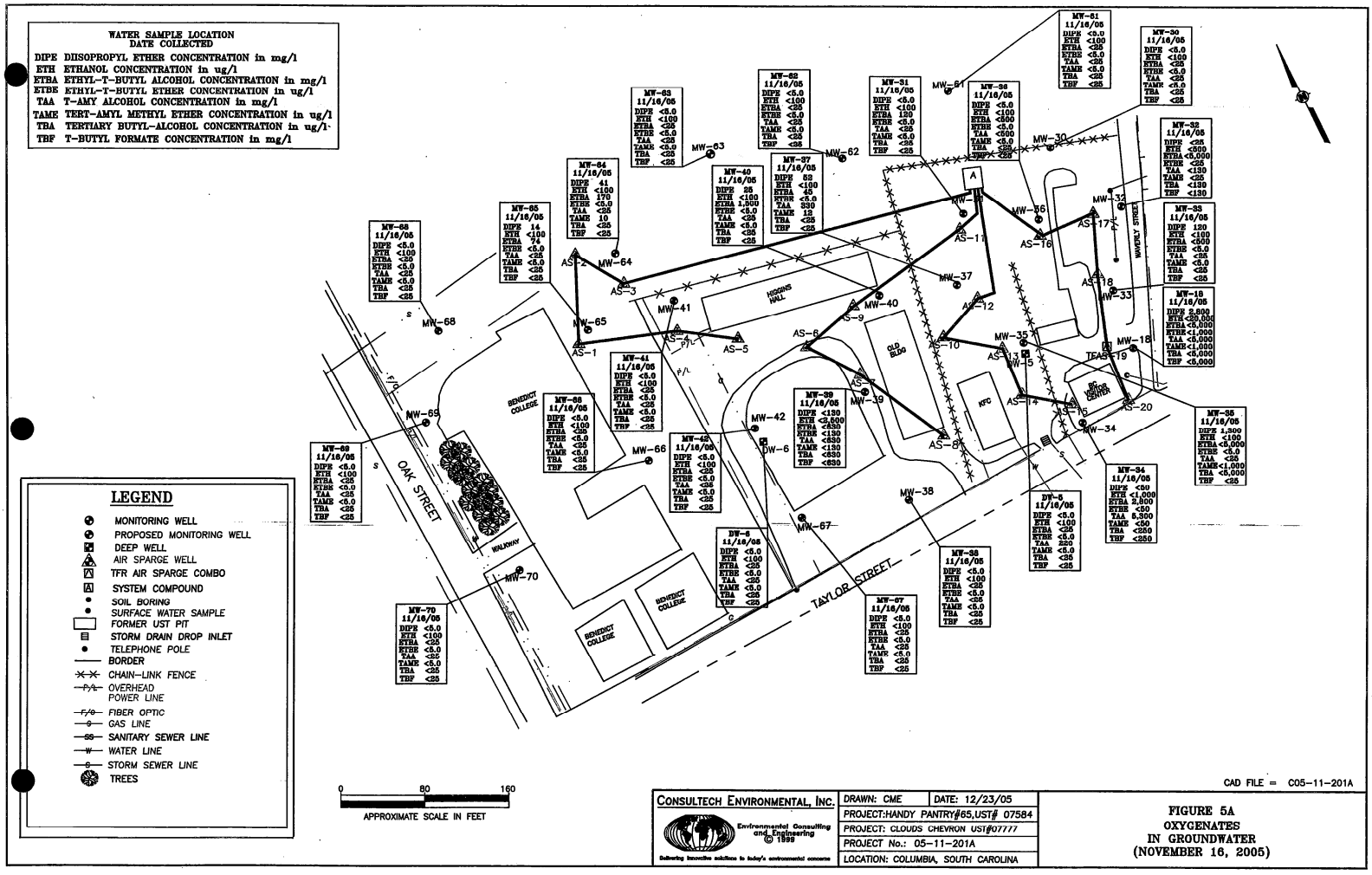
DRAWN: SRC | DATE: 12/22/05
PROJECT:HANDY PANTRY#65,UST# 07584
PROJECT: CLOUDS CHEVRON UST#07777
PROJECT No.: 05-11-201D
LOCATION: COLUMBIA, SOUTH CAROLINA

FIGURE 4D
CHEMICALS OF CONCERN IN GROUNDWATER (NOVEMBER 16, 2005)



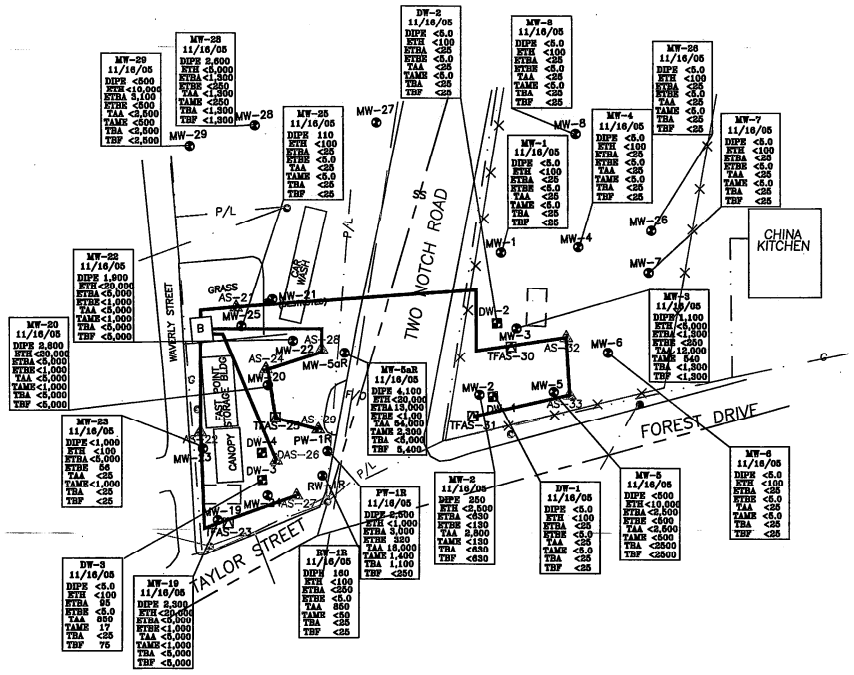
CAD FILE = C05-11-201A

CONSULTECH ENVIRONMENTAL, INC.	DRAWN: CME	DATE: 12/23/05
Environmental Consulting and Engineering © 1999	PROJECT:HANDY PANTRY#65,UST# 07584	
Delivering innovative solutions to today's environmental concerns	PROJECT: CLOUDS CHEVRON UST#07777	
	PROJECT No.: 05-11-201A	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 5A
OXYGENATES
IN GROUNDWATER
(NOVEMBER 16, 2005)

WATER SAMPLE LOCATION
DATE COLLECTED

DIPE DIISOPROPYL ETHER CONCENTRATION in mg/l
ETH ETHANOL CONCENTRATION in ug/l
ETBA ETHYL-T-BUTYL ALCOHOL CONCENTRATION in mg/l
ETBE ETHYL-T-BUTYL ETHER CONCENTRATION in ug/l
TAA T-AMY ALCOHOL CONCENTRATION in mg/l
TAME TERT-AMYL METHYL ETHER CONCENTRATION in ug/l
TBA TERTIARY BUTYL-ALCOHOL CONCENTRATION in ug/l
TBF T-BUTYL FORMATE CONCENTRATION in mg/l



LEGEND

- MONITORING WELL
- PROPOSED MONITORING WELL
- DEEP WELL
- AIR SPARGE WELL
- TFR AIR SPARGE COMBO
- SYSTEM COMPOUND
- SOIL BORING
- SURFACE WATER SAMPLE
- FORMER UST PIT
- STORM DRAIN DROP INLET
- TELEPHONE POLE
- BORDER
- CHAIN-LINK FENCE
- OVERHEAD POWER LINE
- FIBER OPTIC
- GAS LINE
- SANITARY SEWER LINE
- WATER LINE
- STORM SEWER LINE
- TREES

0 80 160
APPROXIMATE SCALE IN FEET

CAD FILE = C05-11-201B

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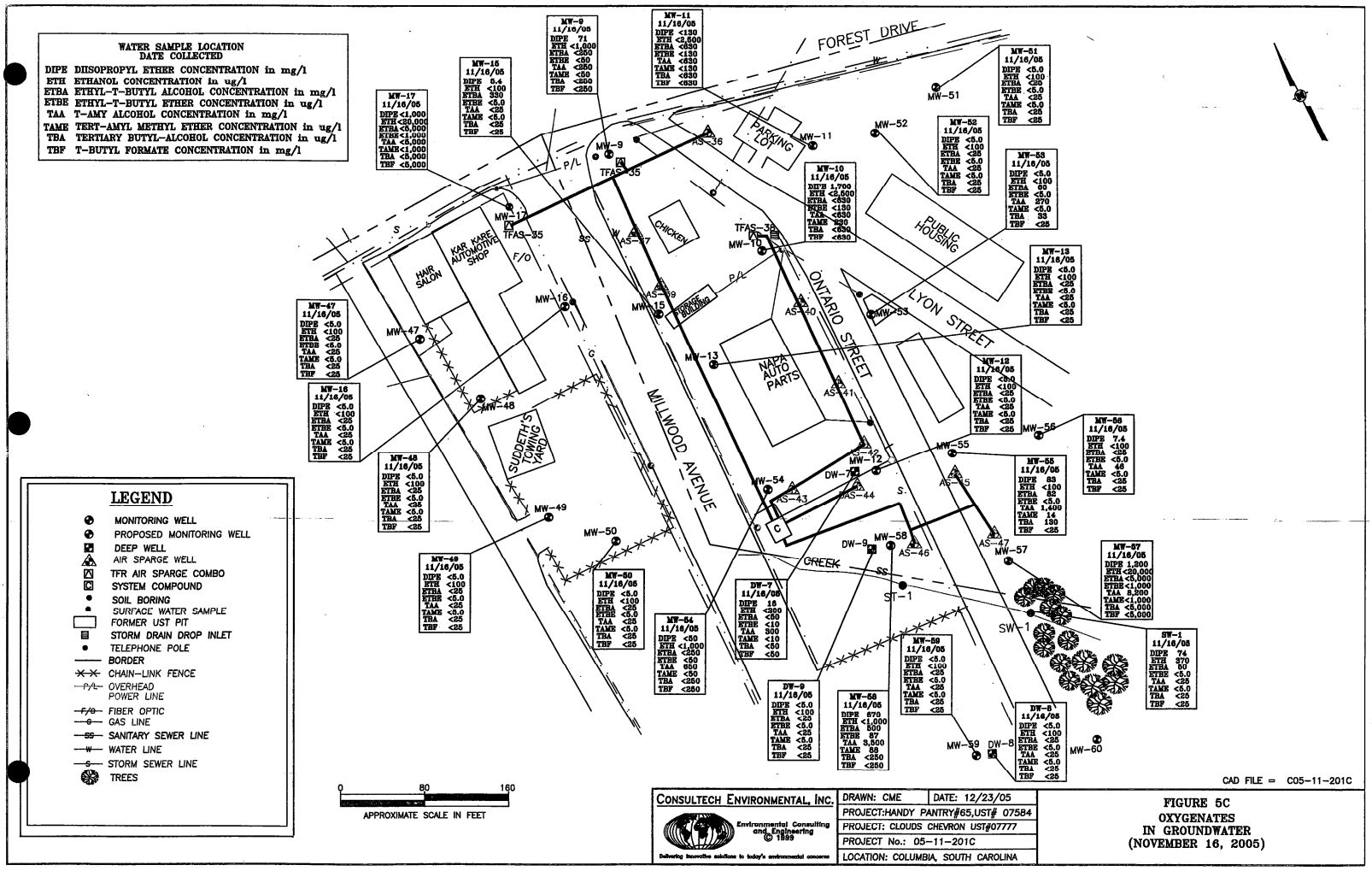
DRAWN: SRC	DATE: 12/22/05
PROJECT:HANDY PANTRY#65,UST# 07584	
PROJECT: CLOUDS CHEVRON UST#07777	
PROJECT No.: 05-11-201B	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 5B
OXYGENATES
IN GROUNDWATER
(NOVEMBER 16, 2005)



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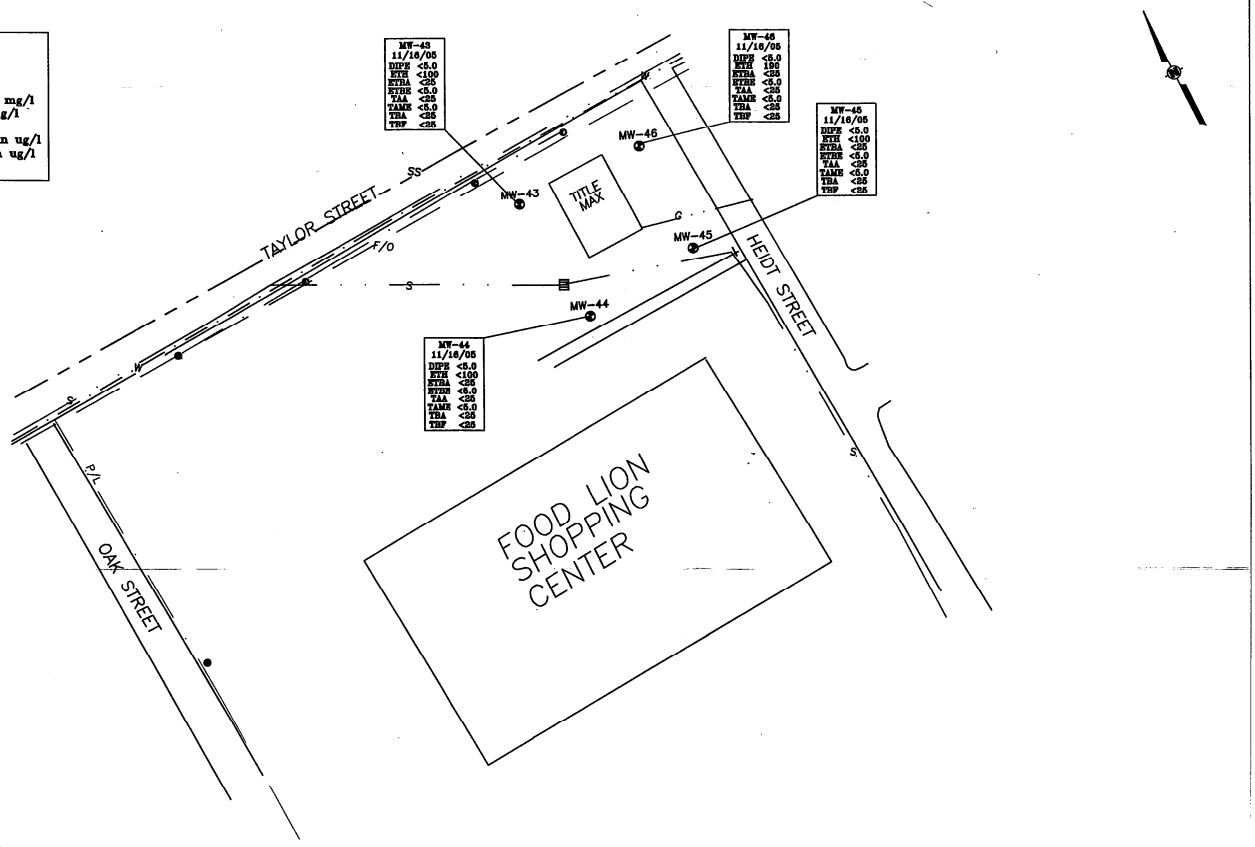
DRAWN: CME | DATE: 12/23/05
PROJECT: HANDY PANTRY #65, UST # 07584
PROJECT: CLOUDS CHEVRON UST #07777
PROJECT No.: 05-11-201C
LOCATION: COLUMBIA, SOUTH CAROLINA

FIGURE 5C
OXYGENATES IN GROUNDWATER (NOVEMBER 16, 2005)

WATER SAMPLE LOCATION
DATE COLLECTED

DIPE	DIISOPROPYL ETHER CONCENTRATION in mg/l
ETH	ETHANOL CONCENTRATION in ug/l
ETBA	ETHYL-T-BUTYL ALCOHOL CONCENTRATION in mg/l
ETBE	ETHYL-T-BUTYL ETHER CONCENTRATION in ug/l
TAA	T-AMY ALCOHOL CONCENTRATION in mg/l
TAME	TERT-AMYL METHYL ETHER CONCENTRATION in ug/l
TBA	TERTIARY BUTYL-ALCOHOL CONCENTRATION in ug/l
TBF	T-BUTYL FORMATE CONCENTRATION in mg/l



LEGEND

- MONITORING WELL
- PROPOSED MONITORING WELL
- DEEP WELL
- SOIL BORING
- SURFACE WATER SAMPLE
- FORMER UST PIT
- STORM DRAIN DROP INLET
- TELEPHONE POLE
- BORDER
- CHAIN-LINK FENCE
- OVERHEAD POWER LINE
- FIBER OPTIC
- GAS LINE
- SANITARY SEWER LINE
- WATER LINE
- STORM SEWER LINE
- TREES

0 80 160
APPROXIMATE SCALE IN FEET

CAD FILE = C05-11-201D

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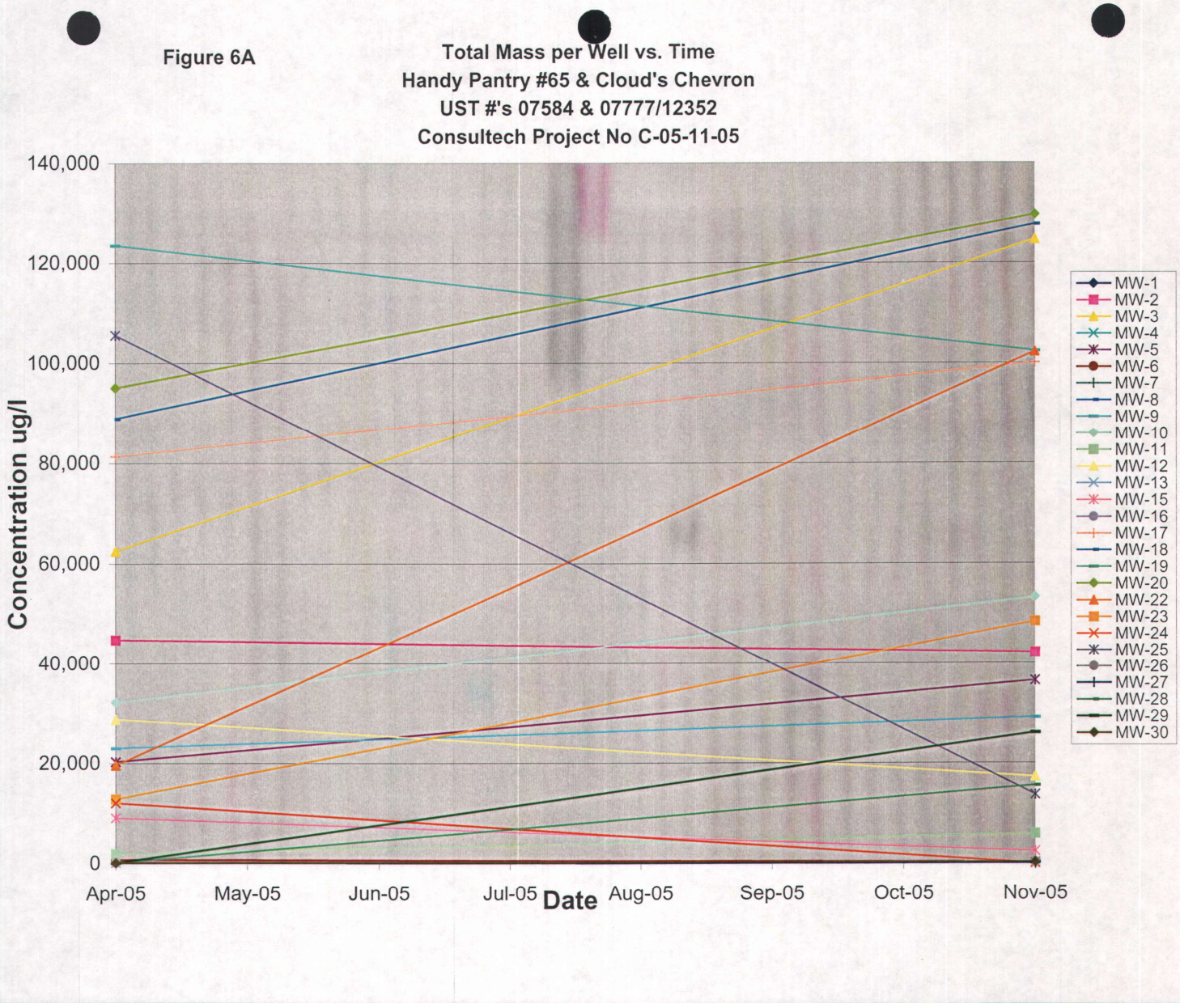
DRAWN: SRC | DATE: 12/22/05
PROJECT: HANDY PANTRY #65, UST # 07584
PROJECT: CLOUDS CHEVRON UST #07777
PROJECT No.: 05-11-201D
LOCATION: COLUMBIA, SOUTH CAROLINA

FIGURE 5D
OXYGENATES
IN GROUNDWATER
(NOVEMBER 16, 2005)

Figure 6A


Total Mass per Well vs. Time
Handy Pantry #65 & Cloud's Chevron
UST #'s 07584 & 07777/12352
Consultech Project No C-05-11-05
Concentration ug/l
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
Apr-05
May-05
Jun-05
Jul-05
Aug-05
Sep-05
Oct-05
Nov-05
Date
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8
MW-9
MW-10
MW-11
MW-12
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MW-18
MW-19
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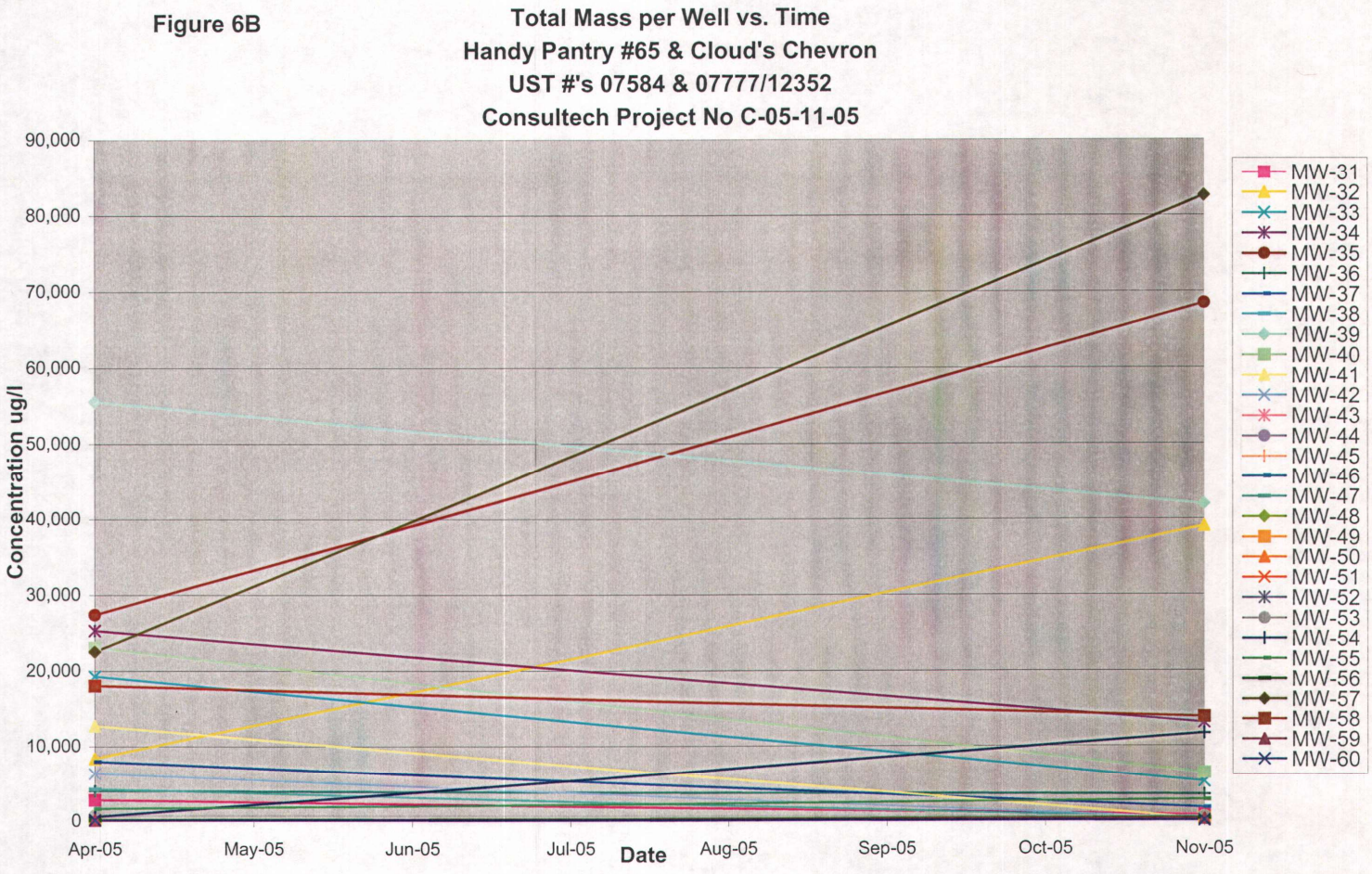
MW-30

Figure 6B


Total Mass per Well vs. Time
Handy Pantry #65 & Cloud's Chevron
UST #'s 07584 & 07777/12352
Consultech Project No C-05-11-05
Concentration ug/l
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
Apr-05
May-05
Jun-05
Jul-05
Aug-05
Sep-05
Oct-05
Nov-05
Date
MW-31
MW-32
MW-33
MW-34
MW-35
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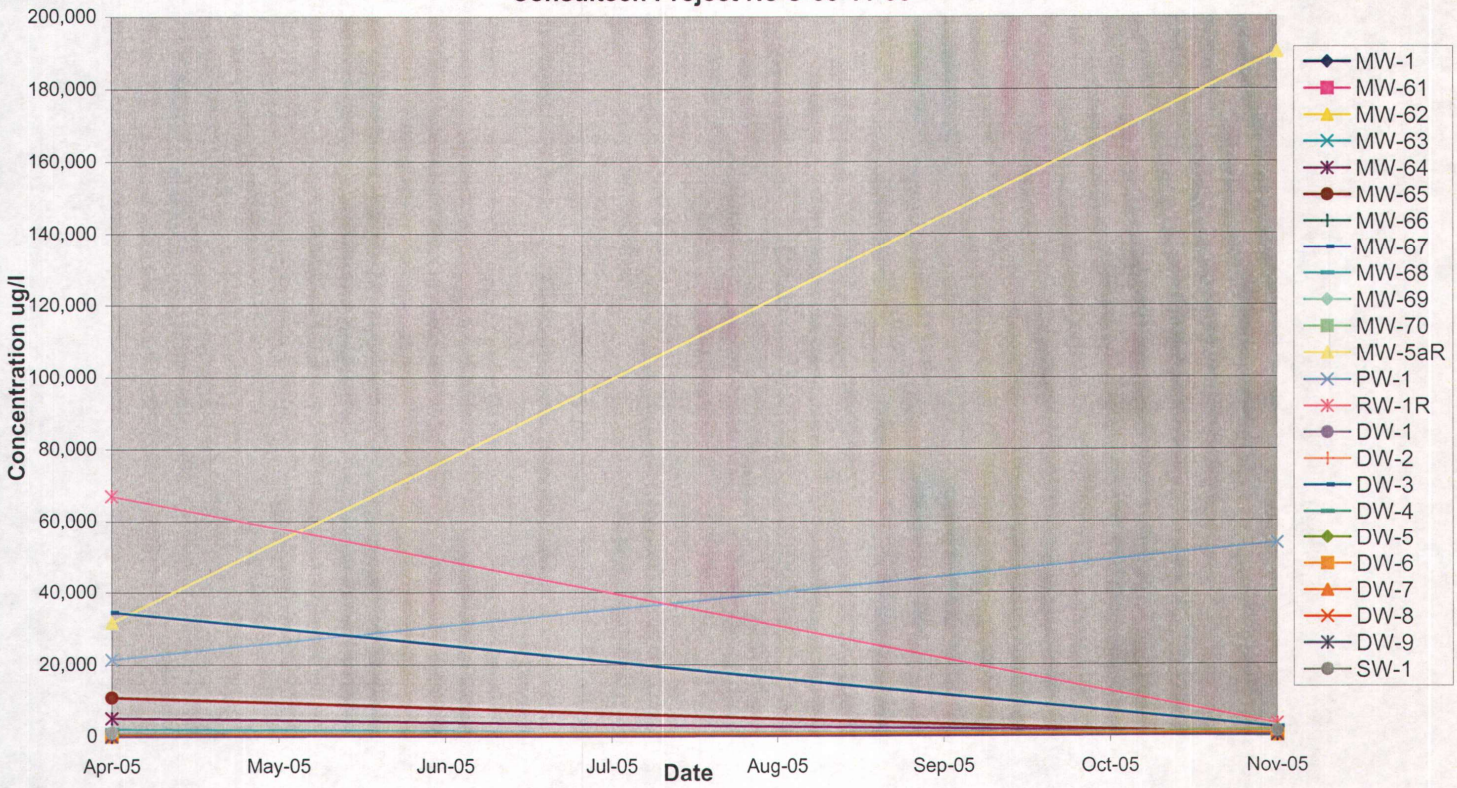
MW-49
MW-50
MW-51
MW-52
MW-53
MW-54
MW-55
MW-56
MW-57
MW-58
MW-59
MW-60

Figure 6C

Total Mass per Well vs. Time
Handy Pantry #65 & Cloud's Chevron
UST #'s 07584 & 07777/12352
Consultech Project No C-05-11-05



APPENDIX 1

GROUNDWATER LABORATORY ANALYTICAL RESULTS

Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW1**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-001**	Date Collected: **Nov-16-05 16:00**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Nov-23-05 21:50 Analyst: MJL01 Seq Number: 29385 Date Prep: Nov-23-05 09:00 Tech: MJL01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.021	0.0050	ug/L		]

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-29-05 19:05 Analyst: JPM01 Seq Number: 29373 Date Prep: Nov-29-05 10:32 Tech: JPM01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		]
Toluene	108-88-3	BRL	1.0	0.68	ug/L		]
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		]
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		]
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		]
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		]
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		]
Ethanol	64-17-5	BRL	100	55	ug/L		]
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		]
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		]
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		]
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		]
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		]
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		]

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW2**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-002**	Date Collected: **Nov-16-05 16:15**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Nov-23-05 22:10 Analyst: MJL01 Date Prep: Nov-23-05 09:00 Tech: MJL01

Seq Number: 29385

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	39	10	2.5	ug/L		5(

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-29-05 19:32 Analyst: JPM01 Date Prep: Nov-29-05 10:32 Tech: JPM01

Seq Number: 29373

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	5900	25	17	ug/L	E	2
Toluene	108-88-3	11000	25	17	ug/L	E	2
Ethylbenzene	100-41-4	1800	25	17	ug/L		2
Xylenes, Total	1330-20-7	12000	25	18.5	ug/L	E	2
Methyl tert-butyl ether	1634-04-4	3200	25	16	ug/L		2
Naphthalene	91-20-3	570	130	100	ug/L		2
Diisopropyl ether	108-20-3	250	130	22	ug/L		2
Ethanol	64-17-5	BRL	2500	1400	ug/L		2
Ethyl tert-butyl alcohol	590-36-3	BRL	630	430	ug/L		2
Ethyl tert-butyl ether	637-92-3	BRL	130	28	ug/L		2
Tert-Amyl alcohol	75-85-4	2800	630	380	ug/L		2
tert-Amyl methyl ether	994-05-8	BRL	130	28	ug/L		2
tert-Butyl alcohol	75-65-0	BRL	630	28	ug/L		2
tert-Butyl formate	762-75-4	BRL	630	450	ug/L		2

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW3**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-003**	Date Collected: **Nov-16-05 16:30**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Nov-23-05 22:31 Analyst: MJL01 Date Prep: Nov-23-05 09:00 Tech: MJL01

Seq Number: 29385

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	230	42	10	ug/L		20

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-29-05 20:00 Analyst: JPM01 Date Prep: Nov-29-05 10:32 Tech: JPM01

Seq Number: 29373

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	15000	50	34	ug/L	E	5
Toluene	108-88-3	27000	50	34	ug/L	E	5
Ethylbenzene	100-41-4	3500	50	33	ug/L		5
Xylenes, Total	1330-20-7	19000	50	37	ug/L	E	5
Methyl tert-butyl ether	1634-04-4	37000	50	31	ug/L	E	5
Naphthalene	91-20-3	1500	250	200	ug/L		5
Diisopropyl ether	108-20-3	1100	250	45	ug/L		5
Ethanol	64-17-5	BRL	5000	2800	ug/L		5
Ethyl tert-butyl alcohol	590-36-3	BRL	1300	850	ug/L		5
Ethyl tert-butyl ether	637-92-3	BRL	250	55	ug/L		5
Tert-Amyl alcohol	75-85-4	12000	1300	750	ug/L	E	5
tert-Amyl methyl ether	994-05-8	540	250	55	ug/L		5
tert-Butyl alcohol	75-65-0	BRL	1300	55	ug/L		5
tert-Butyl formate	762-75-4	BRL	1300	900	ug/L		5

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW4**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-004**	Date Collected: **Nov-16-05 16:45**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Nov-23-05 22:51 Analyst: MJL01 Date Prep: Nov-23-05 09:00 Tech: MJL01

Seq Number: 29385

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.074	0.020	0.0049	ug/L		]

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-29-05 20:27 Analyst: JPM01 Date Prep: Nov-29-05 10:32 Tech: JPM01

Seq Number: 29373

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		]
Toluene	108-88-3	BRL	1.0	0.68	ug/L		]
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		]
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		]
Methyl tert-butyl ether	1634-04-4	7.9	1.0	0.62	ug/L		]
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		]
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		]
Ethanol	64-17-5	BRL	100	55	ug/L		]
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		]
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		]
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		]
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		]
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		]
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		]

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW5**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-005**	Date Collected: **Nov-16-05 17:00**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Nov-23-05 23:12 Analyst: MJL01 Date Prep: Nov-23-05 09:00 Tech: MJL01

Seq Number: 29385

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.84	0.21	0.051	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-29-05 20:55 Analyst: JPM01 Date Prep: Nov-29-05 10:32 Tech: JPM01

Seq Number: 29373

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	100	67	ug/L		1(
Toluene	108-88-3	3600	100	68	ug/L		1(
Ethylbenzene	100-41-4	2300	100	66	ug/L		1(
Xylenes, Total	1330-20-7	8300	100	74	ug/L		1(
Methyl tert-butyl ether	1634-04-4	BRL	100	62	ug/L		1(
Naphthalene	91-20-3	710	500	400	ug/L		1(
Diisopropyl ether	108-20-3	BRL	500	89	ug/L		1(
Ethanol	64-17-5	BRL	10000	5500	ug/L		1(
Ethyl tert-butyl alcohol	590-36-3	BRL	2500	1700	ug/L		1(
Ethyl tert-butyl ether	637-92-3	BRL	500	110	ug/L		1(
Tert-Amyl alcohol	75-85-4	BRL	2500	1500	ug/L		1(
tert-Amyl methyl ether	994-05-8	BRL	500	110	ug/L		1(
tert-Butyl alcohol	75-65-0	9600	2500	110	ug/L		1(
tert-Butyl formate	762-75-4	BRL	2500	1800	ug/L		1(

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW6**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-006**	Date Collected: **Nov-16-05 17:15**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Nov-23-05 23:32 Analyst: MJL01 Seq Number: 29385 Date Prep: Nov-23-05 09:00 Tech: MJL01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.021	0.0052	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-30-05 09:52 Analyst: JPM01 Seq Number: 29374 Date Prep: Nov-30-05 07:24 Tech: JPM01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	13	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	60	1.0	1.0	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
1,2-Dichloroethane	107-06-2	BRL	5.0	0.82	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW7**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-007**	Date Collected: **Nov-16-05 17:30**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Nov-23-05 23:53 Analyst: MJL01 Seq Number: 29385 Date Prep: Nov-23-05 09:00 Tech: MJL01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.021	0.0051	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-30-05 10:20 Analyst: JPM01 Seq Number: 29374 Date Prep: Nov-30-05 07:24 Tech: JPM01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	1.0	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW8**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-008**	Date Collected: **Nov-16-05 18:30**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Nov-24-05 00:13 Analyst: MJL01 Date Prep: Nov-23-05 09:00 Tech: MJL01

Seq Number: 29385

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.021	0.0051	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-30-05 10:48 Analyst: JPM01 Date Prep: Nov-30-05 07:24 Tech: JPM01

Seq Number: 29374

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	1.0	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Version: 1.037

Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW9**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-028**	Date Collected: **Nov-17-05 15:00**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 — Prep Method: EXT_SW8011

Date Analyzed: Dec-05-05 16:44 — Analyst: MJL01 — Seq Number: 29564 — Date Prep: Nov-29-05 15:00 — Tech: MJL01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.15	0.021	0.0051	ug/L		1

Analytical Method: Select VOCs by SW8260B — Prep Method: SW5030B

Date Analyzed: Dec-01-05 13:28 — Analyst: JPM01 — Seq Number: 29426 — Date Prep: Dec-01-05 09:08 — Tech: JPM01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	3100	10	6.7	ug/L	E	1
Toluene	108-88-3	9800	10	6.8	ug/L	E	1
Ethylbenzene	100-41-4	2100	10	6.6	ug/L	E	1
Xylenes, Total	1330-20-7	11000	10	7.5	ug/L	E	1
Methyl tert-butyl ether	1634-04-4	BRL	10	6.2	ug/L		1
Naphthalene	91-20-3	1000	50	40	ug/L		1
Diisopropyl ether	108-20-3	71	50	8.9	ug/L		1
Ethanol	64-17-5	BRL	1000	550	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	250	170	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	50	11	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	250	150	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	50	11	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	250	11	ug/L		1
tert-Butyl formate	762-75-4	BRL	250	180	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW10**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-029**	Date Collected: **Nov-17-05 14:15**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-05-05 17:05 Analyst: MJL01 Date Prep: Nov-29-05 15:00 Tech: MJL01

Seq Number: 29564

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.23	0.021	0.0050	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-01-05 13:56 Analyst: JPM01 Date Prep: Dec-01-05 09:08 Tech: JPM01

Seq Number: 29426

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	12000	25	17	ug/L	E	2
Toluene	108-88-3	17000	25	17	ug/L	E	2
Ethylbenzene	100-41-4	2700	25	17	ug/L		2
Xylenes, Total	1330-20-7	13000	25	18.5	ug/L	E	2
Methyl tert-butyl ether	1634-04-4	540	25	16	ug/L		2
Naphthalene	91-20-3	990	130	100	ug/L		2
Diisopropyl ether	108-20-3	1700	130	22	ug/L		2
Ethanol	64-17-5	BRL	2500	1400	ug/L		2
Ethyl tert-butyl alcohol	590-36-3	BRL	630	430	ug/L		2
Ethyl tert-butyl ether	637-92-3	BRL	130	28	ug/L		2
Tert-Amyl alcohol	75-85-4	BRL	630	380	ug/L		2
tert-Amyl methyl ether	994-05-8	230	130	28	ug/L		2
tert-Butyl alcohol	75-65-0	BRL	630	28	ug/L		2
tert-Butyl formate	762-75-4	BRL	630	450	ug/L		2

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW11**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-030**	Date Collected: **Nov-17-05 11:45**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-05-05 17:26 Analyst: MJL01 Date Prep: Nov-29-05 15:00 Tech: MJL01

Seq Number: 29564

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.021	0.0051	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-01-05 14:24 Analyst: MVRR01 Date Prep: Dec-01-05 09:08 Tech: JPM01

Seq Number: 29426

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	25	17	ug/L		2
Toluene	108-88-3	230	25	17	ug/L		2
Ethylbenzene	100-41-4	BRL	25	17	ug/L		2
Xylenes, Total	1330-20-7	BRL	25	18.5	ug/L		2
Methyl tert-butyl ether	1634-04-4	BRL	25	16	ug/L		2
Naphthalene	91-20-3	BRL	130	100	ug/L		2
Diisopropyl ether	108-20-3	BRL	130	22	ug/L		2
Ethanol	64-17-5	BRL	2500	1400	ug/L		2
Ethyl tert-butyl alcohol	590-36-3	BRL	630	430	ug/L		2
Ethyl tert-butyl ether	637-92-3	BRL	130	28	ug/L		2
Tert-Amyl alcohol	75-85-4	BRL	630	380	ug/L		2
tert-Amyl methyl ether	994-05-8	BRL	130	28	ug/L		2
tert-Butyl alcohol	75-65-0	BRL	630	28	ug/L		2
tert-Butyl formate	762-75-4	BRL	630	450	ug/L		2

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW12**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-031**	Date Collected: **Nov-17-05 14:30**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-05-05 18:27 Analyst: MJL01 Date Prep: Nov-29-05 15:00 Tech: MJL01

Seq Number: 29564

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0050	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-01-05 18:40 Analyst: JPM01 Date Prep: Dec-01-05 09:08 Tech: JPM01

Seq Number: 29426

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		1
Methyl tert-butyl ether	1634-04-4	6.1	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW13**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-032**	Date Collected: **Nov-17-05 14:45**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-05-05 18:48 Analyst: MJL01 Date Prep: Nov-29-05 15:00 Tech: MJL01

Seq Number: 29564

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0049	ug/L		]

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-01-05 19:08 Analyst: JPM01 Date Prep: Dec-01-05 09:08 Tech: JPM01

Seq Number: 29426

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		]
Toluene	108-88-3	BRL	1.0	0.68	ug/L		]
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		]
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		]
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		]
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		]
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		]
Ethanol	64-17-5	BRL	100	55	ug/L		]
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		]
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		]
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		]
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		]
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		]
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		]

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW15**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-033**	Date Collected: **Nov-17-05 15:15**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-05-05 19:08 Analyst: MJL01 Seq Number: 29564 Date Prep: Nov-29-05 15:00 Tech: MJL01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.021	0.0051	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-01-05 19:36 Analyst: JPM01 Seq Number: 29426 Date Prep: Dec-01-05 09:08 Tech: JPM01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	210	1.0	0.67	ug/L	E	1
Toluene	108-88-3	520	1.0	0.68	ug/L	E	1
Ethylbenzene	100-41-4	230	1.0	0.66	ug/L	E	1
Xylenes, Total	1330-20-7	720	1.0	0.74	ug/L	E	1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	190	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	5.4	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	330	25	17	ug/L	E	1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW16**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-034**	Date Collected: **Nov-17-05 15:30**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-05-05 19:29 Analyst: MJL01 Date Prep: Nov-29-05 15:00 Tech: MJL01

Seq Number: 29564

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0049	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-01-05 20:04 Analyst: JPM01 Date Prep: Dec-01-05 09:08 Tech: JPM01

Seq Number: 29426

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	16	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	5.0	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	36	1.0	0.74	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	31	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW17**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-035**	Date Collected: **Nov-17-05 15:45**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-05-05 19:50 Analyst: MJL01 Date Prep: Nov-29-05 15:00 Tech: MJL01

Seq Number: 29564

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0050	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-03-05 12:19 Analyst: JPM01 Date Prep: Dec-03-05 10:24 Tech: JPM01

Seq Number: 29574

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	3500	200	130	ug/L		2(
Toluene	108-88-3	28000	200	140	ug/L		2(
Ethylbenzene	100-41-4	3600	200	130	ug/L		2(
Xylenes, Total	1330-20-7	20000	200	148	ug/L		2(
Methyl tert-butyl ether	1634-04-4	BRL	200	120	ug/L		2(
Naphthalene	91-20-3	1800	1000	800	ug/L		2(
Diisopropyl ether	108-20-3	BRL	1000	180	ug/L		2(
Ethanol	64-17-5	BRL	20000	11000	ug/L		2(
Ethyl tert-butyl alcohol	590-36-3	BRL	5000	3400	ug/L		2(
Ethyl tert-butyl ether	637-92-3	BRL	1000	220	ug/L		2(
Tert-Amyl alcohol	75-85-4	BRL	5000	3000	ug/L		2(
tert-Amyl methyl ether	994-05-8	BRL	1000	220	ug/L		2(
tert-Butyl alcohol	75-65-0	BRL	5000	220	ug/L		2(
tert-Butyl formate	762-75-4	BRL	5000	3600	ug/L		2(

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW18**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-036**	Date Collected: **Nov-17-05 19:00**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-05-05 20:10 Analyst: MJL01 Seq Number: 29564 Date Prep: Nov-29-05 15:00 Tech: MJL01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	1.6	0.40	0.1	ug/L		2

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-03-05 12:47 Analyst: JPM01 Seq Number: 29574 Date Prep: Dec-03-05 10:24 Tech: JPM01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	18000	200	130	ug/L		2(
Toluene	108-88-3	37000	200	140	ug/L		2(
Ethylbenzene	100-41-4	3200	200	130	ug/L		2(
Xylenes, Total	1330-20-7	17000	200	148	ug/L		2(
Methyl tert-butyl ether	1634-04-4	6400	200	120	ug/L		2(
Naphthalene	91-20-3	1300	1000	800	ug/L		2(
Diisopropyl ether	108-20-3	2800	1000	180	ug/L		2(
Ethanol	64-17-5	BRL	20000	11000	ug/L		2(
Ethyl tert-butyl alcohol	590-36-3	BRL	5000	3400	ug/L		2(
Ethyl tert-butyl ether	637-92-3	BRL	1000	220	ug/L		2(
Tert-Amyl alcohol	75-85-4	BRL	5000	3000	ug/L		2(
tert-Amyl methyl ether	994-05-8	BRL	1000	220	ug/L		2(
tert-Butyl alcohol	75-65-0	BRL	5000	220	ug/L		2(
tert-Butyl formate	762-75-4	BRL	5000	3600	ug/L		2(

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Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW19**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-037**	Date Collected: **Nov-17-05 08:45**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-05-05 20:31 Analyst: MJL01 Date Prep: Nov-29-05 15:00 Tech: MJL01

Seq Number: 29564

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	1.7	0.19	0.048	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-03-05 13:14 Analyst: JPM01 Date Prep: Dec-03-05 10:24 Tech: JPM01

Seq Number: 29574

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	23000	200	130	ug/L		2(
Toluene	108-88-3	48000	500	340	ug/L		5(
Ethylbenzene	100-41-4	3600	200	130	ug/L		2(
Xylenes, Total	1330-20-7	20000	500	148	ug/L		2(
Methyl tert-butyl ether	1634-04-4	4200	200	120	ug/L		2(
Naphthalene	91-20-3	1300	1000	800	ug/L		2(
Diisopropyl ether	108-20-3	2300	1000	180	ug/L		2(
Ethanol	64-17-5	BRL	20000	11000	ug/L		2(
Ethyl tert-butyl alcohol	590-36-3	BRL	5000	3400	ug/L		2(
Ethyl tert-butyl ether	637-92-3	BRL	1000	220	ug/L		2(
Tert-Amyl alcohol	75-85-4	BRL	5000	3000	ug/L		2(
tert-Amyl methyl ether	994-05-8	BRL	1000	220	ug/L		2(
tert-Butyl alcohol	75-65-0	BRL	5000	220	ug/L		2(
tert-Butyl formate	762-75-4	BRL	5000	3600	ug/L		2(

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Version: 1.037

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Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW20**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-038**	Date Collected: **Nov-17-05 08:30**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-05-05 20:51 Analyst: MJL01 Date Prep: Nov-29-05 15:00 Tech: MJL01

Seq Number: 29564

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0048	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-03-05 14:29 Analyst: JPM01 Date Prep: Dec-03-05 10:24 Tech: JPM01

Seq Number: 29574

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	19000	200	130	ug/L		2(
Toluene	108-88-3	36000	200	140	ug/L		2(
Ethylbenzene	100-41-4	3200	200	130	ug/L		2(
Xylenes, Total	1330-20-7	18000	200	148	ug/L		2(
Methyl tert-butyl ether	1634-04-4	7200	200	120	ug/L		2(
Naphthalene	91-20-3	1400	1000	800	ug/L		2(
Diisopropyl ether	108-20-3	2800	1000	180	ug/L		2(
Ethanol	64-17-5	BRL	20000	11000	ug/L		2(
Ethyl tert-butyl alcohol	590-36-3	BRL	5000	3400	ug/L		2(
Ethyl tert-butyl ether	637-92-3	BRL	1000	220	ug/L		2(
Tert-Amyl alcohol	75-85-4	BRL	5000	3000	ug/L		2(
tert-Amyl methyl ether	994-05-8	BRL	1000	220	ug/L		2(
tert-Butyl alcohol	75-65-0	BRL	5000	220	ug/L		2(
tert-Butyl formate	762-75-4	BRL	5000	3600	ug/L		2(

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW22**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-039**	Date Collected: **Nov-17-05 08:15**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-05-05 21:12 Analyst: MJL01 Date Prep: Nov-29-05 15:00 Tech: MJL01

Seq Number: 29564

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0049	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-05-05 20:05 Analyst: MVRR01 Date Prep: Dec-05-05 17:44 Tech: JPM01

Seq Number: 29577

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	24000	200	130	ug/L		2(
Toluene	108-88-3	39000	200	140	ug/L		2(
Ethylbenzene	100-41-4	5000	200	130	ug/L		2(
Xylenes, Total	1330-20-7	27000	200	360	ug/L		2(
Methyl tert-butyl ether	1634-04-4	780	200	120	ug/L		2(
Naphthalene	91-20-3	4600	1000	800	ug/L		2(
Diisopropyl ether	108-20-3	1900	1000	180	ug/L		2(
Ethanol	64-17-5	BRL	20000	11000	ug/L		2(
Ethyl tert-butyl alcohol	590-36-3	BRL	5000	3400	ug/L		2(
Ethyl tert-butyl ether	637-92-3	BRL	1000	220	ug/L		2(
Tert-Amyl alcohol	75-85-4	BRL	5000	3000	ug/L		2(
tert-Amyl methyl ether	994-05-8	BRL	1000	220	ug/L		2(
tert-Butyl alcohol	75-65-0	BRL	5000	220	ug/L		2(
tert-Butyl formate	762-75-4	BRL	5000	3600	ug/L		2(

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW23**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-040**	Date Collected: **Nov-17-05 09:00**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-05-05 21:32 Analyst: MJL01 Date Prep: Nov-29-05 15:00 Tech: MJL01

Seq Number: 29564

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	1.3	0.019	0.01	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-03-05 15:24 Analyst: JPM01 Date Prep: Dec-03-05 10:24 Tech: JPM01

Seq Number: 29574

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	8100	200	130	ug/L		2(
Toluene	108-88-3	19000	200	140	ug/L		2(
Ethylbenzene	100-41-4	1800	200	130	ug/L		2(
Xylenes, Total	1330-20-7	9700	200	148	ug/L		2(
Methyl tert-butyl ether	1634-04-4	1600	200	120	ug/L		2(
Naphthalene	91-20-3	BRL	1000	800	ug/L		2(
Diisopropyl ether	108-20-3	BRL	1000	180	ug/L		2(
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	5000	3400	ug/L		2(
Ethyl tert-butyl ether	637-92-3	56	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	1000	220	ug/L		2(
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW25**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-042**	Date Collected: **Nov-17-05 08:00**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-05-05 23:56 Analyst: MJL01 Date Prep: Nov-30-05 11:00 Tech: MJL01

Seq Number: 29565

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0049	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-03-05 16:19 Analyst: JPM01 Date Prep: Dec-03-05 10:24 Tech: JPM01

Seq Number: 29574

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	1600	50	34	ug/L		5
Toluene	108-88-3	6200	50	34	ug/L		5
Ethylbenzene	100-41-4	850	50	33	ug/L		5
Xylenes, Total	1330-20-7	4400	50	37	ug/L		5
Methyl tert-butyl ether	1634-04-4	17	1.0	0.62	ug/L		1
Naphthalene	91-20-3	260	250	200	ug/L		5
Diisopropyl ether	108-20-3	110	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW26**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-009**	Date Collected: **Nov-16-05 17:45**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Nov-24-05 00:34 Analyst: MJL01 Date Prep: Nov-23-05 09:00 Tech: MJL01

Seq Number: 29385

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.021	0.0051	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-30-05 11:16 Analyst: JPM01 Date Prep: Nov-30-05 07:24 Tech: JPM01

Seq Number: 29374

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	1.0	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW28**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-044**	Date Collected: **Nov-17-05 09:30**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 00:37 Analyst: MJL01 Date Prep: Nov-30-05 11:00 Tech: MJL01

Seq Number: 29565

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0048	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-03-05 18:09 Analyst: JPM01 Date Prep: Dec-03-05 10:24 Tech: JPM01

Seq Number: 29574

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	360	50	34	ug/L		5
Toluene	108-88-3	970	50	34	ug/L		5
Ethylbenzene	100-41-4	96	50	33	ug/L		5
Xylenes, Total	1330-20-7	490	50	37	ug/L		5
Methyl tert-butyl ether	1634-04-4	BRL	50	31	ug/L		5
Naphthalene	91-20-3	BRL	250	200	ug/L		5
Diisopropyl ether	108-20-3	2600	100	18	ug/L		2
Ethanol	64-17-5	BRL	5000	2800	ug/L		5
Ethyl tert-butyl alcohol	590-36-3	BRL	1300	850	ug/L		5
Ethyl tert-butyl ether	637-92-3	BRL	250	55	ug/L		5
Tert-Amyl alcohol	75-85-4	BRL	1300	750	ug/L		5
tert-Amyl methyl ether	994-05-8	BRL	250	55	ug/L		5
tert-Butyl alcohol	75-65-0	BRL	1300	55	ug/L		5
tert-Butyl formate	762-75-4	BRL	1300	900	ug/L		5

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW29**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-045**	Date Collected: **Nov-17-05 09:15**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 00:58 Analyst: MJL01 Date Prep: Nov-30-05 11:00 Tech: MJL01

Seq Number: 29565

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0048	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-03-05 18:37 Analyst: JPM01 Date Prep: Dec-03-05 10:24 Tech: JPM01

Seq Number: 29574

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	100	67	ug/L		1(
Toluene	108-88-3	BRL	100	68	ug/L		1(
Ethylbenzene	100-41-4	BRL	100	66	ug/L		1(
Xylenes, Total	1330-20-7	BRL	100	74	ug/L		1(
Methyl tert-butyl ether	1634-04-4	BRL	100	62	ug/L		1(
Naphthalene	91-20-3	3500	500	400	ug/L		1(
Diisopropyl ether	108-20-3	BRL	500	89	ug/L		1(
Ethanol	64-17-5	BRL	10000	5500	ug/L		1(
Ethyl tert-butyl alcohol	590-36-3	3100	2500	1700	ug/L		1(
Ethyl tert-butyl ether	637-92-3	BRL	500	110	ug/L		1(
Tert-Amyl alcohol	75-85-4	BRL	2500	1500	ug/L		1(
tert-Amyl methyl ether	994-05-8	BRL	500	110	ug/L		1(
tert-Butyl alcohol	75-65-0	BRL	2500	110	ug/L		1(
tert-Butyl formate	762-75-4	BRL	2500	1800	ug/L		1(

Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW30**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-046**	Date Collected: **Nov-17-05 20:00**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 01:18 Analyst: MJL01 Date Prep: Nov-30-05 11:00 Tech: MJL01

Seq Number: 29565

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.11	0.020	0.0049	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-03-05 19:31 Analyst: JPM01 Date Prep: Dec-03-05 10:24 Tech: JPM01

Seq Number: 29574

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Version: 1.037

Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW31**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-047**	Date Collected: **Nov-17-05 21:00**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 01:39 Analyst: MJL01 Date Prep: Nov-30-05 11:00 Tech: MJL01

Seq Number: 29565

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0049	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-03-05 19:59 Analyst: JPM01 Date Prep: Dec-03-05 10:24 Tech: JPM01

Seq Number: 29574

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	20	1.0	0.67	ug/L		1
Toluene	108-88-3	53	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	21	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	260	1.0	0.74	ug/L	E	1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	51	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	120	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW32**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-048**	Date Collected: **Nov-17-05 19:30**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 01:59 Analyst: MJL01 Date Prep: Nov-30-05 11:00 Tech: MJL01

Seq Number: 29565

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.088	0.020	0.0049	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-03-05 20:26 Analyst: JPM01 Date Prep: Dec-03-05 10:24 Tech: JPM01

Seq Number: 29574

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	400	5.0	3.4	ug/L		5
Toluene	108-88-3	14000	200	140	ug/L		20
Ethylbenzene	100-41-4	520	5.0	3.3	ug/L		5
Xylenes, Total	1330-20-7	18000	200	148	ug/L		20
Methyl tert-butyl ether	1634-04-4	BRL	5.0	3.1	ug/L		5
Naphthalene	91-20-3	170	25	20	ug/L		5
Diisopropyl ether	108-20-3	BRL	25	4.5	ug/L		5
Ethanol	64-17-5	BRL	500	280	ug/L		5
Ethyl tert-butyl alcohol	590-36-3	BRL	5000	3400	ug/L		20
Ethyl tert-butyl ether	637-92-3	BRL	25	5.5	ug/L		5
Tert-Amyl alcohol	75-85-4	BRL	130	75	ug/L		5
tert-Amyl methyl ether	994-05-8	BRL	25	5.5	ug/L		5
tert-Butyl alcohol	75-65-0	BRL	130	5.5	ug/L		5
tert-Butyl formate	762-75-4	BRL	130	90	ug/L		5

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW33**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-049**	Date Collected: **Nov-17-05 19:15**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 02:20 Analyst: MJL01 Date Prep: Nov-30-05 11:00 Tech: MJL01

Seq Number: 29565

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0048	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-03-05 20:54 Analyst: JPM01 Date Prep: Dec-03-05 10:24 Tech: JPM01

Seq Number: 29574

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	410	20	13	ug/L		2
Toluene	108-88-3	1600	20	14	ug/L		2
Ethylbenzene	100-41-4	290	20	13	ug/L		2
Xylenes, Total	1330-20-7	1400	20	14.8	ug/L		2
Methyl tert-butyl ether	1634-04-4	50	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	100	80	ug/L		2
Diisopropyl ether	108-20-3	120	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	500	340	ug/L		2
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW34**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-050**	Date Collected: **Nov-17-05 18:45**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 02:40 Analyst: MJL01 Date Prep: Nov-30-05 11:00 Tech: MJL01

Seq Number: 29565

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.16	0.020	0.0049	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-03-05 21:22 Analyst: JPM01 Date Prep: Dec-03-05 10:24 Tech: JPM01

Seq Number: 29574

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	250	10	6.7	ug/L		1
Toluene	108-88-3	870	10	6.8	ug/L		1
Ethylbenzene	100-41-4	180	10	6.6	ug/L		1
Xylenes, Total	1330-20-7	1700	10	7.4	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	10	6.2	ug/L		1
Naphthalene	91-20-3	360	50	40	ug/L		1
Diisopropyl ether	108-20-3	BRL	50	8.9	ug/L		1
Ethanol	64-17-5	BRL	1000	550	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	2800	250	170	ug/L	E	1
Ethyl tert-butyl ether	637-92-3	BRL	50	11	ug/L		1
Tert-Amyl alcohol	75-85-4	5300	250	150	ug/L	E	1
tert-Amyl methyl ether	994-05-8	BRL	50	11	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	250	11	ug/L		1
tert-Butyl formate	762-75-4	BRL	250	180	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW35**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-041**	Date Collected: **Nov-17-05 20:15**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-05-05 23:35 Analyst: MJL01 Date Prep: Nov-30-05 11:00 Tech: MJL01

Seq Number: 29565

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	3.2	0.39	0.097	ug/L		2

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-03-05 15:51 Analyst: JPM01 Date Prep: Dec-03-05 10:24 Tech: JPM01

Seq Number: 29574

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	12000	200	130	ug/L		2(
Toluene	108-88-3	22000	200	140	ug/L		2(
Ethylbenzene	100-41-4	3200	200	130	ug/L		2(
Xylenes, Total	1330-20-7	15000	200	148	ug/L		2(
Methyl tert-butyl ether	1634-04-4	1300	200	120	ug/L		2(
Naphthalene	91-20-3	1200	1000	800	ug/L		2(
Diisopropyl ether	108-20-3	1300	1000	180	ug/L		2(
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	5000	3400	ug/L		2(
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	1000	220	ug/L		2(
tert-Butyl alcohol	75-65-0	BRL	5000	220	ug/L		2(
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW36**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-043**	Date Collected: **Nov-17-05 19:45**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 00:16 Analyst: MJL01 Date Prep: Nov-30-05 11:00 Tech: MJL01

Seq Number: 29565

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0048	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-03-05 16:46 Analyst: JPM01 Date Prep: Dec-03-05 10:24 Tech: JPM01

Seq Number: 29574

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	140	1.0	0.67	ug/L		1
Toluene	108-88-3	310	20	14	ug/L		2
Ethylbenzene	100-41-4	320	20	13	ug/L		2
Xylenes, Total	1330-20-7	1400	20	14.8	ug/L		2
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	120	100	80	ug/L		2
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	500	340	ug/L		2
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	500	300	ug/L		2
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW37**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-072**	Date Collected: **Nov-17-05 20:45**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 17:18 Analyst: MJL01 Date Prep: Nov-30-05 14:00 Tech: MJL01

Seq Number: 29566

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.097	0.020	0.0049	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-09-05 21:47 Analyst: JPM01 Date Prep: Dec-09-05 11:08 Tech: JPM01

Seq Number: 29545

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	360	1.0	0.67	ug/L	E	1
Toluene	108-88-3	360	1.0	0.68	ug/L	E	1
Ethylbenzene	100-41-4	44	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	170	1.0	0.74	ug/L		1
Methyl tert-butyl ether	1634-04-4	160	1.0	0.62	ug/L		1
Naphthalene	91-20-3	15	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	52	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	45	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	330	25	15	ug/L	E	1
tert-Amyl methyl ether	994-05-8	12	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Version: 1.037

Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW38**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-012**	Date Collected: **Nov-16-05 08:00**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Nov-24-05 01:56 Analyst: MJL01 Date Prep: Nov-23-05 09:00 Tech: MJL01

Seq Number: 29385

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0050	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-30-05 12:39 Analyst: JPM01 Date Prep: Nov-30-05 07:24 Tech: JPM01

Seq Number: 29374

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	1.0	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW39**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-013**	Date Collected: **Nov-16-05 08:15**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Nov-24-05 02:16 Analyst: MJL01 Date Prep: Nov-23-05 09:00 Tech: MJL01

Seq Number: 29385

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.29	0.021	0.17	ug/L	D	1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-30-05 13:07 Analyst: JPM01 Date Prep: Nov-30-05 07:24 Tech: JPM01

Seq Number: 29374

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	3100	25	17	ug/L		2
Toluene	108-88-3	17000	25	17	ug/L	E	2
Ethylbenzene	100-41-4	2600	25	17	ug/L		2
Xylenes, Total	1330-20-7	13000	25	18.5	ug/L	E	2
Methyl tert-butyl ether	1634-04-4	BRL	25	16	ug/L		2
Naphthalene	91-20-3	830	130	100	ug/L		2
Diisopropyl ether	108-20-3	BRL	130	22	ug/L		2
Ethanol	64-17-5	BRL	2500	1400	ug/L		2
Ethyl tert-butyl alcohol	590-36-3	BRL	630	430	ug/L		2
Ethyl tert-butyl ether	637-92-3	BRL	130	28	ug/L		2
Tert-Amyl alcohol	75-85-4	BRL	630	380	ug/L		2
tert-Amyl methyl ether	994-05-8	BRL	130	28	ug/L		2
tert-Butyl alcohol	75-65-0	BRL	630	28	ug/L		2
tert-Butyl formate	762-75-4	BRL	630	450	ug/L		2

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW40**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-014**	Date Collected: **Nov-16-05 08:30**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Nov-24-05 02:37 Analyst: MJL01 Date Prep: Nov-23-05 09:00 Tech: MJL01

Seq Number: 29385

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.22	0.021	0.0050	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-30-05 13:35 Analyst: JPM01 Date Prep: Nov-30-05 07:24 Tech: JPM01

Seq Number: 29374

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	840	1.0	0.67	ug/L	E	1
Toluene	108-88-3	740	1.0	0.68	ug/L	E	1
Ethylbenzene	100-41-4	690	1.0	0.66	ug/L	E	1
Xylenes, Total	1330-20-7	1900	1.0	1.0	ug/L	E	1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	500	5.0	4.0	ug/L	E	1
Diisopropyl ether	108-20-3	25	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	1500	25	17	ug/L	E	1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW41**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-015**	Date Collected: **Nov-16-05 08:45**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Nov-24-05 02:57 Analyst: MJL01 Date Prep: Nov-23-05 09:00 Tech: MJL01

Seq Number: 29385

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0050	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-01-05 13:01 Analyst: JPM01 Date Prep: Dec-01-05 09:08 Tech: JPM01

Seq Number: 29426

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW42**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-016**	Date Collected: **Nov-16-05 09:00**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Nov-24-05 03:18 Analyst: MJL01 Date Prep: Nov-23-05 09:00 Tech: MJL01

Seq Number: 29385

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0049	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-30-05 14:30 Analyst: JPM01 Date Prep: Nov-30-05 07:24 Tech: JPM01

Seq Number: 29374

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	1.0	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	5.4	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW43**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-051**	Date Collected: **Nov-17-05 10:45**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 — Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 03:01 — Analyst: MJL01 — Seq Number: 29565 — Date Prep: Nov-30-05 11:00 — Tech: MJL01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0049	ug/L		]

Analytical Method: Select VOCs by SW8260B — Prep Method: SW5030B

Date Analyzed: Dec-06-05 13:59 — Analyst: JPM01 — Seq Number: 29544 — Date Prep: Dec-06-05 08:05 — Tech: JPM01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		]
Toluene	108-88-3	BRL	1.0	0.68	ug/L		]
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		]
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		]
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		]
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		]
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		]
Ethanol	64-17-5	BRL	100	55	ug/L		]
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		]
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		]
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		]
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		]
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		]
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		]

Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW44**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-052**	Date Collected: **Nov-17-05 11:00**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 03:21 Analyst: MJL01 Date Prep: Nov-30-05 11:00 Tech: MJL01

Seq Number: 29565

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0048	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-06-05 15:36 Analyst: JPM01 Date Prep: Dec-06-05 08:05 Tech: JPM01

Seq Number: 29544

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Version: 1.037

Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW45**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-053**	Date Collected: **Nov-17-05 11:15**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 — Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 03:42 — Analyst: MJL01 — Seq Number: 29565 — Date Prep: Nov-30-05 11:00 — Tech: MJL01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0048	ug/L		1

Analytical Method: Select VOCs by SW8260B — Prep Method: SW5030B

Date Analyzed: Dec-06-05 14:54 — Analyst: JPM01 — Seq Number: 29544 — Date Prep: Dec-06-05 08:05 — Tech: JPM01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW46**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-054**	Date Collected: **Nov-17-05 11:30**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 04:43 Analyst: MJL01 Date Prep: Nov-30-05 11:00 Tech: MJL01

Seq Number: 29565

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0048	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-06-05 17:00 Analyst: JPM01 Date Prep: Dec-06-05 08:05 Tech: JPM01

Seq Number: 29544

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	12	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	5.2	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	190	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW47**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-055**	Date Collected: **Nov-17-05 16:45**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 — Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 05:04 — Analyst: MJL01 — Seq Number: 29565 — Date Prep: Nov-30-05 11:00 — Tech: MJL01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	2.4	1.0	0.25	ug/L		5

Analytical Method: Select VOCs by SW8260B — Prep Method: SW5030B

Date Analyzed: Dec-06-05 17:27 — Analyst: JPM01 — Seq Number: 29544 — Date Prep: Dec-06-05 08:05 — Tech: JPM01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	14	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW48**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-056**	Date Collected: **Nov-17-05 16:00**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 05:24 Analyst: MJL01 Date Prep: Nov-30-05 11:00 Tech: MJL01

Seq Number: 29565

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	1.6	1.0	0.25	ug/L		

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-06-05 17:55 Analyst: JPM01 Date Prep: Dec-06-05 08:05 Tech: JPM01

Seq Number: 29544

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		
Toluene	108-88-3	BRL	1.0	0.68	ug/L		
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		
Ethanol	64-17-5	BRL	100	55	ug/L		
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW49**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-057**	Date Collected: **Nov-17-05 16:15**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 05:45 Analyst: MJL01 Date Prep: Nov-30-05 11:00 Tech: MJL01

Seq Number: 29565

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.33	0.20	0.01	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-06-05 18:22 Analyst: JPM01 Date Prep: Dec-06-05 08:05 Tech: JPM01

Seq Number: 29544

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	18	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW50**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-058**	Date Collected: **Nov-17-05 16:30**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 — Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 06:06 — Analyst: MJL01 — Seq Number: 29565 — Date Prep: Nov-30-05 11:00 — Tech: MJL01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0049	ug/L		1

Analytical Method: Select VOCs by SW8260B — Prep Method: SW5030B

Date Analyzed: Dec-06-05 18:50 — Analyst: JPM01 — Seq Number: 29544 — Date Prep: Dec-06-05 08:05 — Tech: JPM01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	13	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW51**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-059**	Date Collected: **Nov-17-05 12:00**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 06:26 Analyst: MJL01 Date Prep: Nov-30-05 11:00 Tech: MJL01

Seq Number: 29565

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0048	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-06-05 19:17 Analyst: JPM01 Date Prep: Dec-06-05 08:05 Tech: JPM01

Seq Number: 29544

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW52**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-060**	Date Collected: **Nov-17-05 12:15**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 06:46 Analyst: MJL01 Date Prep: Nov-30-05 11:00 Tech: MJL01

Seq Number: 29565

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0049	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-06-05 19:45 Analyst: JPM01 Date Prep: Dec-06-05 08:05 Tech: JPM01

Seq Number: 29544

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Version: 1.037

Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW53**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-061**	Date Collected: **Nov-17-05 12:30**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 12:51 Analyst: MJL01 Date Prep: Nov-30-05 14:00 Tech: MJL01

Seq Number: 29566

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.73	0.40	0.1	ug/L		2

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-09-05 14:51 Analyst: JPM01 Date Prep: Dec-09-05 11:08 Tech: JPM01

Seq Number: 29545

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	60	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	270	25	15	ug/L	E	1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	33	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Version: 1.037

Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW54**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-062**	Date Collected: **Nov-17-05 12:45**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 13:12 Analyst: MJL01 Date Prep: Nov-30-05 14:00 Tech: MJL01

Seq Number: 29566

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	2.7	0.40	0.1	ug/L		2

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-09-05 22:15 Analyst: MVRR01 Date Prep: Dec-09-05 11:08 Tech: JPM01

Seq Number: 29545

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	970	10	6.7	ug/L		1
Toluene	108-88-3	2900	10	6.8	ug/L	E	1
Ethylbenzene	100-41-4	460	10	6.6	ug/L		1
Xylenes, Total	1330-20-7	2200	10	7.4	ug/L	E	1
Methyl tert-butyl ether	1634-04-4	1500	10	6.2	ug/L		1
Naphthalene	91-20-3	1100	50	40	ug/L		1
Diisopropyl ether	108-20-3	BRL	50	8.9	ug/L		1
Ethanol	64-17-5	BRL	1000	550	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	250	170	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	50	11	ug/L		1
Tert-Amyl alcohol	75-85-4	650	250	150	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	50	11	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	250	11	ug/L		1
tert-Butyl formate	762-75-4	BRL	250	180	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW55**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-063**	Date Collected: **Nov-17-05 13:00**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 13:32 Analyst: MJL01 Date Prep: Nov-30-05 14:00 Tech: MJL01

Seq Number: 29566

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.11	0.020	0.0048	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-09-05 15:19 Analyst: JPM01 Date Prep: Dec-09-05 11:08 Tech: JPM01

Seq Number: 29545

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	440	10	6.7	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	27	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		1
Methyl tert-butyl ether	1634-04-4	410	10	6.2	ug/L		1
Naphthalene	91-20-3	39	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	83	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	82	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	1400	250	150	ug/L		1
tert-Amyl methyl ether	994-05-8	14	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	130	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW56**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-064**	Date Collected: **Nov-17-05 13:15**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 13:53 Analyst: MJL01 Date Prep: Nov-30-05 14:00 Tech: MJL01

Seq Number: 29566

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0049	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-09-05 19:57 Analyst: JPM01 Date Prep: Dec-09-05 11:08 Tech: JPM01

Seq Number: 29545

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	76	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	5.4	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	7.4	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	46	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW57**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-065**	Date Collected: **Nov-17-05 13:30**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 14:13 Analyst: MJL01 Date Prep: Nov-30-05 14:00 Tech: MJL01

Seq Number: 29566

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	3.3	0.99	0.24	ug/L		5

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-09-05 15:47 Analyst: JPM01 Date Prep: Dec-09-05 11:08 Tech: JPM01

Seq Number: 29545

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	12000	200	130	ug/L		2(
Toluene	108-88-3	12000	200	140	ug/L		2(
Ethylbenzene	100-41-4	2000	200	130	ug/L		2(
Xylenes, Total	1330-20-7	8200	200	148	ug/L		2(
Methyl tert-butyl ether	1634-04-4	2000	200	120	ug/L		2(
Naphthalene	91-20-3	BRL	1000	800	ug/L		2(
Diisopropyl ether	108-20-3	1200	1000	180	ug/L		2(
Ethanol	64-17-5	BRL	20000	11000	ug/L		2(
Ethyl tert-butyl alcohol	590-36-3	BRL	5000	3400	ug/L		2(
Ethyl tert-butyl ether	637-92-3	BRL	1000	220	ug/L		2(
Tert-Amyl alcohol	75-85-4	8200	5000	3000	ug/L		2(
tert-Amyl methyl ether	994-05-8	BRL	1000	220	ug/L		2(
tert-Butyl alcohol	75-65-0	BRL	5000	220	ug/L		2(
tert-Butyl formate	762-75-4	BRL	5000	3600	ug/L		2(

Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW58**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-066**	Date Collected: **Nov-17-05 13:45**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 14:34 Analyst: MJL01 Date Prep: Nov-30-05 14:00 Tech: MJL01

Seq Number: 29566

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	2.0	0.40	0.1	ug/L		2

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-09-05 16:15 Analyst: JPM01 Date Prep: Dec-09-05 11:08 Tech: JPM01

Seq Number: 29545

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	5300	10	6.7	ug/L		1
Toluene	108-88-3	110	10	6.8	ug/L		1
Ethylbenzene	100-41-4	960	10	6.6	ug/L		1
Xylenes, Total	1330-20-7	160	10	7.4	ug/L		1
Methyl tert-butyl ether	1634-04-4	630	10	6.2	ug/L		1
Naphthalene	91-20-3	490	50	40	ug/L		1
Diisopropyl ether	108-20-3	670	50	8.9	ug/L		1
Ethanol	64-17-5	BRL	1000	550	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	500	250	170	ug/L		1
Ethyl tert-butyl ether	637-92-3	87	50	11	ug/L		1
Tert-Amyl alcohol	75-85-4	3500	250	150	ug/L		1
tert-Amyl methyl ether	994-05-8	88	50	11	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	250	11	ug/L		1
tert-Butyl formate	762-75-4	BRL	250	180	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW59**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-067**	Date Collected: **Nov-17-05 14:00**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 — Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 14:54 — Analyst: MJL01 — Seq Number: 29566 — Date Prep: Nov-30-05 14:00 — Tech: MJL01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.25	0.10	0.025	ug/L		

Analytical Method: Select VOCs by SW8260B — Prep Method: SW5030B

Date Analyzed: Dec-09-05 16:43 — Analyst: JPM01 — Seq Number: 29545 — Date Prep: Dec-09-05 11:08 — Tech: JPM01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		
Toluene	108-88-3	BRL	1.0	0.68	ug/L		
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		
Ethanol	64-17-5	BRL	100	55	ug/L		
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		

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Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW61**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-024**	Date Collected: **Nov-16-05 09:15**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-05-05 15:22 Analyst: MJL01 Date Prep: Nov-29-05 15:00 Tech: MJL01

Seq Number: 29564

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.021	0.0052	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-30-05 20:50 Analyst: MVRR01 Date Prep: Nov-30-05 17:37 Tech: JPM01

Seq Number: 29365

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW62**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-023**	Date Collected: **Nov-16-05 09:30**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-05-05 15:01 Analyst: MJL01 Seq Number: 29564 Date Prep: Nov-29-05 15:00 Tech: MJL01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0050	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-30-05 20:22 Analyst: MVRR01 Seq Number: 29365 Date Prep: Nov-30-05 17:37 Tech: JPM01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW63**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-022**	Date Collected: **Nov-16-05 09:45**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-05-05 14:41 Analyst: MJL01 Date Prep: Nov-29-05 15:00 Tech: MJL01

Seq Number: 29564

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.021	0.0052	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-30-05 19:54 Analyst: MVRR01 Date Prep: Nov-30-05 17:37 Tech: JPM01

Seq Number: 29365

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW64**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-021**	Date Collected: **Nov-16-05 09:55**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 — Prep Method: EXT_SW8011

Date Analyzed: Dec-05-05 14:20 — Analyst: MJL01 — Seq Number: 29564 — Date Prep: Nov-29-05 15:00 — Tech: MJL01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0050	ug/L		]

Analytical Method: Select VOCs by SW8260B — Prep Method: SW5030B

Date Analyzed: Nov-30-05 19:27 — Analyst: MVRR01 — Seq Number: 29365 — Date Prep: Nov-30-05 17:37 — Tech: JPM01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	390	1.0	0.67	ug/L	E	]
Toluene	108-88-3	13	1.0	0.68	ug/L		]
Ethylbenzene	100-41-4	51	1.0	0.66	ug/L		]
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		]
Methyl tert-butyl ether	1634-04-4	100	1.0	0.62	ug/L		]
Naphthalene	91-20-3	56	5.0	4.0	ug/L		]
Diisopropyl ether	108-20-3	41	5.0	0.89	ug/L		]
Ethanol	64-17-5	BRL	100	55	ug/L		]
Ethyl tert-butyl alcohol	590-36-3	170	25	17	ug/L		]
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		]
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		]
tert-Amyl methyl ether	994-05-8	10	5.0	1.1	ug/L		]
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		]
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		]

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW65**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-025**	Date Collected: **Nov-16-05 10:05**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-05-05 15:43 Analyst: MJL01 Date Prep: Nov-29-05 15:00 Tech: MJL01

Seq Number: 29564

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0050	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-30-05 21:18 Analyst: MVRR01 Date Prep: Nov-30-05 17:37 Tech: JPM01

Seq Number: 29365

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	140	1.0	0.67	ug/L		1
Toluene	108-88-3	31	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	78	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	88	1.0	0.74	ug/L		1
Methyl tert-butyl ether	1634-04-4	5.8	1.0	0.62	ug/L		1
Naphthalene	91-20-3	45	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	14	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	74	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW66**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-026**	Date Collected: **Nov-16-05 10:10**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-05-05 16:03 Analyst: MJL01 Date Prep: Nov-29-05 15:00 Tech: MJL01

Seq Number: 29564

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0049	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-30-05 21:45 Analyst: MVRR01 Date Prep: Nov-30-05 17:37 Tech: JPM01

Seq Number: 29365

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	27	1.0	0.74	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	8.6	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW67**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-017**	Date Collected: **Nov-16-05 10:20**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Nov-24-05 03:38 Analyst: MJL01 Date Prep: Nov-23-05 09:00 Tech: MJL01

Seq Number: 29385

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0050	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-30-05 14:58 Analyst: JPM01 Date Prep: Nov-30-05 07:24 Tech: JPM01

Seq Number: 29374

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	1.0	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW68**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-027**	Date Collected: **Nov-16-05 10:30**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-05-05 16:24 Analyst: MJL01 Seq Number: 29564 Date Prep: Nov-29-05 15:00 Tech: MJL01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.021	0.0051	ug/L		]

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-01-05 02:23 Analyst: MVRR01 Seq Number: 29365 Date Prep: Nov-30-05 17:37 Tech: JPM01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		]
Toluene	108-88-3	BRL	1.0	0.68	ug/L		]
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		]
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		]
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		]
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		]
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		]
Ethanol	64-17-5	BRL	100	55	ug/L		]
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		]
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		]
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		]
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		]
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		]
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		]

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW69**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-020**	Date Collected: **Nov-16-05 10:40**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 — Prep Method: EXT_SW8011

Date Analyzed: Nov-24-05 04:39 — Analyst: MJL01 — Seq Number: 29385 — Date Prep: Nov-23-05 09:00 — Tech: MJL01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.021	0.0051	ug/L		1

Analytical Method: Select VOCs by SW8260B — Prep Method: SW5030B

Date Analyzed: Nov-30-05 16:21 — Analyst: JPM01 — Seq Number: 29374 — Date Prep: Nov-30-05 07:24 — Tech: JPM01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	1.0	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW70**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-019**	Date Collected: **Nov-16-05 10:50**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Nov-24-05 04:19 Analyst: MJL01 Date Prep: Nov-23-05 09:00 Tech: MJL01

Seq Number: 29385

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0050	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-30-05 15:53 Analyst: JPM01 Date Prep: Nov-30-05 07:24 Tech: JPM01

Seq Number: 29374

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	1.0	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **MW5AR**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-069**	Date Collected: **Nov-17-05 09:45**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 15:35 Analyst: MJL01 Seq Number: 29566 Date Prep: Nov-30-05 14:00 Tech: MJL01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.19	0.020	0.0049	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-09-05 17:38 Analyst: JPM01 Seq Number: 29545 Date Prep: Dec-09-05 11:08 Tech: JPM01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	27000	200	130	ug/L		2(
Toluene	108-88-3	31000	200	140	ug/L		2(
Ethylbenzene	100-41-4	2500	200	130	ug/L		2(
Xylenes, Total	1330-20-7	14000	200	148	ug/L		2(
Methyl tert-butyl ether	1634-04-4	9900	200	120	ug/L		2(
Naphthalene	91-20-3	1000	1000	800	ug/L		2(
Diisopropyl ether	108-20-3	4100	1000	180	ug/L		2(
Ethanol	64-17-5	BRL	20000	11000	ug/L		2(
Ethyl tert-butyl alcohol	590-36-3	13000	5000	3400	ug/L		2(
Ethyl tert-butyl ether	637-92-3	BRL	1000	220	ug/L		2(
Tert-Amyl alcohol	75-85-4	54000	5000	3000	ug/L	E	2(
tert-Amyl methyl ether	994-05-8	2300	1000	220	ug/L		2(
tert-Butyl alcohol	75-65-0	BRL	5000	220	ug/L		2(
tert-Butyl formate	762-75-4	5400	5000	3600	ug/L		2(

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **PW1R**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-070**	Date Collected: **Nov-17-05 10:30**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 15:56 Analyst: MJL01 Seq Number: 29566 Date Prep: Nov-30-05 14:00 Tech: MJL01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	7.6	0.97	0.24	ug/L		5

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-09-05 18:06 Analyst: JPM01 Seq Number: 29545 Date Prep: Dec-09-05 11:08 Tech: JPM01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	8300	10	6.7	ug/L	E	1
Toluene	108-88-3	6800	10	6.8	ug/L	E	1
Ethylbenzene	100-41-4	1800	10	6.6	ug/L		1
Xylenes, Total	1330-20-7	8100	10	7.4	ug/L	E	1
Methyl tert-butyl ether	1634-04-4	290	10	6.2	ug/L		1
Naphthalene	91-20-3	770	50	40	ug/L		1
Diisopropyl ether	108-20-3	2500	50	8.9	ug/L	E	1
Ethanol	64-17-5	BRL	1000	550	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	3000	250	170	ug/L	E	1
Ethyl tert-butyl ether	637-92-3	320	50	11	ug/L		1
Tert-Amyl alcohol	75-85-4	18000	250	150	ug/L	E	1
tert-Amyl methyl ether	994-05-8	1400	50	11	ug/L		1
tert-Butyl alcohol	75-65-0	1100	250	11	ug/L		1
tert-Butyl formate	762-75-4	BRL	250	180	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **RW1R**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-068**	Date Collected: **Nov-17-05 10:15**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 15:15 Analyst: MJL01 Date Prep: Nov-30-05 14:00 Tech: MJL01

Seq Number: 29566

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.54	0.10	0.025	ug/L		5

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-09-05 17:10 Analyst: JPM01 Date Prep: Dec-09-05 11:08 Tech: JPM01

Seq Number: 29545

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	1600	10	6.7	ug/L		1
Toluene	108-88-3	BRL	10	6.8	ug/L		1
Ethylbenzene	100-41-4	230	10	6.6	ug/L		1
Xylenes, Total	1330-20-7	BRL	10	7.4	ug/L		1
Methyl tert-butyl ether	1634-04-4	130	10	6.2	ug/L		1
Naphthalene	91-20-3	14	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	160	50	8.9	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	250	170	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	850	250	150	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	50	11	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Version: 1.037

Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **DW1**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-010**	Date Collected: **Nov-16-05 18:00**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Nov-24-05 00:54 Analyst: MJL01 Date Prep: Nov-23-05 09:00 Tech: MJL01

Seq Number: 29385

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.021	0.0050	ug/L		]

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-30-05 11:44 Analyst: JPM01 Date Prep: Nov-30-05 07:24 Tech: JPM01

Seq Number: 29374

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		]
Toluene	108-88-3	BRL	1.0	0.68	ug/L		]
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		]
Xylenes, Total	1330-20-7	BRL	1.0	1.0	ug/L		]
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		]
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		]
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		]
Ethanol	64-17-5	BRL	100	55	ug/L		]
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		]
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		]
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		]
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		]
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		]
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		]

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **DW2**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-011**	Date Collected: **Nov-16-05 18:15**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Nov-24-05 01:35 Analyst: MJL01 Date Prep: Nov-23-05 09:00 Tech: MJL01

Seq Number: 29385

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0050	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-30-05 12:12 Analyst: JPM01 Date Prep: Nov-30-05 07:24 Tech: JPM01

Seq Number: 29374

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	1.0	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Version: 1.037

Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **DW3**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-071**	Date Collected: **Nov-17-05 10:00**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 — Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 16:37 — Analyst: MJL01 — Seq Number: 29566 — Date Prep: Nov-30-05 14:00 — Tech: MJL01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.060	0.020	0.0049	ug/L		]

Analytical Method: Select VOCs by SW8260B — Prep Method: SW5030B

Date Analyzed: Dec-09-05 21:20 — Analyst: JPM01 — Seq Number: 29545 — Date Prep: Dec-09-05 11:08 — Tech: JPM01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	350	1.0	0.67	ug/L	E	]
Toluene	108-88-3	360	1.0	0.68	ug/L	E	]
Ethylbenzene	100-41-4	64	1.0	0.66	ug/L		]
Xylenes, Total	1330-20-7	220	1.0	0.74	ug/L	E	]
Methyl tert-butyl ether	1634-04-4	230	1.0	0.62	ug/L	E	]
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		]
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		]
Ethanol	64-17-5	BRL	100	55	ug/L		]
Ethyl tert-butyl alcohol	590-36-3	95	25	17	ug/L		]
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		]
Tert-Amyl alcohol	75-85-4	850	25	15	ug/L	E	]
tert-Amyl methyl ether	994-05-8	17	5.0	1.1	ug/L		]
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		]
tert-Butyl formate	762-75-4	75	25	18	ug/L		]

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **DW5**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-073**	Date Collected: **Nov-17-05 20:30**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 17:39 Analyst: MJL01 Date Prep: Nov-30-05 14:00 Tech: MJL01

Seq Number: 29566

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	6.1	2.0	0.5	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-09-05 22:42 Analyst: JPM01 Date Prep: Dec-09-05 11:08 Tech: JPM01

Seq Number: 29545

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	99	1.0	0.67	ug/L		1
Toluene	108-88-3	240	1.0	0.68	ug/L	E	1
Ethylbenzene	100-41-4	160	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	600	1.0	0.74	ug/L	E	1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	89	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	220	25	15	ug/L	E	1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **DW6**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-018**	Date Collected: **Nov-16-05 11:00**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Nov-24-05 03:59 Analyst: MJL01 Date Prep: Nov-23-05 09:00 Tech: MJL01

Seq Number: 29385

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.021	0.0051	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-30-05 15:25 Analyst: JPM01 Date Prep: Nov-30-05 07:24 Tech: JPM01

Seq Number: 29374

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	1.0	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **DW7**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-074**	Date Collected: **Nov-17-05 17:30**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 — Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 17:59 — Analyst: MJL01 — Seq Number: 29566 — Date Prep: Nov-30-05 14:00 — Tech: MJL01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.14	0.020	0.0049	ug/L		1

Analytical Method: Select VOCs by SW8260B — Prep Method: SW5030B

Date Analyzed: Dec-10-05 17:27 — Analyst: RPS01 — Seq Number: 29540 — Date Prep: Dec-10-05 00:00 — Tech: PV01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	40	2.0	1.3	ug/L		2
Toluene	108-88-3	BRL	2.0	1.4	ug/L		2
Ethylbenzene	100-41-4	BRL	2.0	1.3	ug/L		2
Xylenes, Total	1330-20-7	BRL	2.0	1.5	ug/L		2
Methyl tert-butyl ether	1634-04-4	20	2.0	1.2	ug/L		2
Naphthalene	91-20-3	BRL	10	8.0	ug/L		2
Diisopropyl ether	108-20-3	16	10	1.8	ug/L		2
Ethanol	64-17-5	BRL	200	110	ug/L		2
Ethyl tert-butyl alcohol	590-36-3	BRL	50	34	ug/L		2
Ethyl tert-butyl ether	637-92-3	BRL	10	2.2	ug/L		2
Tert-Amyl alcohol	75-85-4	300	50	30	ug/L		2
tert-Amyl methyl ether	994-05-8	BRL	10	2.2	ug/L		2
tert-Butyl alcohol	75-65-0	BRL	50	2.2	ug/L		2
tert-Butyl formate	762-75-4	BRL	50	36	ug/L		2

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **DW8**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-075**	Date Collected: **Nov-17-05 17:15**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 18:20 Analyst: MJL01 Seq Number: 29566 Date Prep: Nov-30-05 14:00 Tech: MJL01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0048	ug/L		]

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-10-05 16:32 Analyst: RPS01 Seq Number: 29540 Date Prep: Dec-10-05 00:00 Tech: PV01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		]
Toluene	108-88-3	BRL	1.0	0.68	ug/L		]
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		]
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		]
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		]
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		]
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		]
Ethanol	64-17-5	BRL	100	55	ug/L		]
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		]
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		]
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		]
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		]
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		]
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		]

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **DW9**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-076**	Date Collected: **Nov-17-05 17:00**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 18:40 Analyst: MJL01 Date Prep: Nov-30-05 14:00 Tech: MJL01

Seq Number: 29566

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0049	ug/L		]

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-10-05 17:00 Analyst: RPS01 Date Prep: Dec-10-05 00:00 Tech: PV01

Seq Number: 29540

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		]
Toluene	108-88-3	5.0	1.0	0.68	ug/L		]
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		]
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		]
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		]
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		]
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		]
Ethanol	64-17-5	BRL	100	55	ug/L		]
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		]
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		]
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		]
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		]
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		]
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		]

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **SW1**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **9352-077**	Date Collected: **Nov-17-05 18:45**	Date Received: **Nov-18-05 09:30**
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 19:01 Analyst: MJL01 Date Prep: Nov-30-05 14:00 Tech: MJL01

Seq Number: 29566

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0048	ug/L		1

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-10-05 17:55 Analyst: RPS01 Date Prep: Dec-10-05 00:00 Tech: PV01

Seq Number: 29540

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	370	1.0	0.67	ug/L	E	1
Toluene	108-88-3	110	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	41	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	100	1.0	0.74	ug/L		1
Methyl tert-butyl ether	1634-04-4	160	1.0	0.62	ug/L		1
Naphthalene	91-20-3	9.0	5.0	4.0	ug/L		1
Diisopropyl ether	108-20-3	74	5.0	0.89	ug/L		1
Ethanol	64-17-5	370	100	55	ug/L	E	1
Ethyl tert-butyl alcohol	590-36-3	50	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	10	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

Sample Id: **27915 BLK**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **27915 BLK**	Date Collected:	Date Received:
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Nov-23-05 20:48 Analyst: MJL01 Date Prep: Nov-23-05 09:00 Tech: MJL01

Seq Number: 29385

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0049	ug/L		1

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **27997 BLK** Matrix: **WATER** % Moisture:
Lab Sample Id: **27997 BLK** Date Collected: Date Received:
Sample Depth:

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-05-05 13:18 Analyst: MJL01 Date Prep: Nov-29-05 15:00 Tech: MJL01
Seq Number: 29564

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0049	ug/L		]

Sample Id: **27998 BLK** Matrix: **WATER** % Moisture:
Lab Sample Id: **27998 BLK** Date Collected: Date Received:
Sample Depth:

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-05-05 21:53 Analyst: MJL01 Date Prep: Nov-30-05 11:00 Tech: MJL01
Seq Number: 29565

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0049	ug/L		]

Sample Id: **28023 BLK** Matrix: **WATER** % Moisture:
Lab Sample Id: **28023 BLK** Date Collected: Date Received:
Sample Depth:

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-30-05 18:36 Analyst: MVRR01 Date Prep: Nov-30-05 17:37 Tech: JPM01
Seq Number: 29365

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		]
Toluene	108-88-3	BRL	1.0	0.68	ug/L		]
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		]
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		]
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		]
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		]
1,2-Dichloroethane	107-06-2	BRL	5.0	0.82	ug/L		]
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		]
Ethanol	64-17-5	BRL	100	55	ug/L		]
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		]
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		]
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		]
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		]
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		]
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		]

*

Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **28032 BLK** Matrix: **WATER** % Moisture:
Lab Sample Id: **28032 BLK** Date Collected: Date Received:
Sample Depth:

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-29-05 11:39 Analyst: JPM01 Date Prep: Nov-29-05 10:32 Tech: JPM01
Seq Number: 29373

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		]
Toluene	108-88-3	BRL	1.0	0.68	ug/L		]
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		]
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		]
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		]
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		]
1,2-Dichloroethane	107-06-2	BRL	5.0	0.82	ug/L		]
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		]
Ethanol	64-17-5	BRL	100	55	ug/L		]
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		]
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		]
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		]
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		]
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		]
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		]

Sample Id: **28033 BLK** Matrix: **WATER** % Moisture:
Lab Sample Id: **28033 BLK** Date Collected: Date Received:
Sample Depth:

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Nov-30-05 08:29 Analyst: JPM01 Date Prep: Nov-30-05 07:24 Tech: JPM01
Seq Number: 29374

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		]
Toluene	108-88-3	BRL	1.0	0.68	ug/L		]
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		]
Xylenes, Total	1330-20-7	BRL	1.0	1.0	ug/L		]
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		]
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		]
1,2-Dichloroethane	107-06-2	BRL	5.0	0.82	ug/L		]
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		]
Ethanol	64-17-5	BRL	100	55	ug/L		]
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		]
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		]
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		]
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		]
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		]
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		]

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **28049 BLK**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **28049 BLK**	Date Collected:	Date Received:
Sample Depth:		

Analytical Method: EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Dec-06-05 11:50 Analyst: MJL01 Seq Number: 29566 Date Prep: Nov-30-05 14:00 Tech: MJL01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.020	0.0049	ug/L		1

Sample Id: **28070 BLK**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **28070 BLK**	Date Collected:	Date Received:
Sample Depth:		

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-01-05 10:14 Analyst: JPM01 Seq Number: 29426 Date Prep: Dec-01-05 09:08 Tech: JPM01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
1,2-Dichloroethane	107-06-2	BRL	5.0	0.82	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

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Version: 1.037

Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **28164 BLK** Matrix: **WATER** % Moisture:
Lab Sample Id: **28164 BLK** Date Collected: Date Received:
Sample Depth:

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-06-05 09:03 Analyst: JPM01 Date Prep: Dec-06-05 08:05 Tech: JPM01
Seq Number: 29544

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		]
Toluene	108-88-3	BRL	1.0	0.68	ug/L		]
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		]
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		]
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		]
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		]
1,2-Dichloroethane	107-06-2	BRL	5.0	0.82	ug/L		]
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		]
Ethanol	64-17-5	BRL	100	55	ug/L		]
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		]
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		]
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		]
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		]
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		]
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		]

Sample Id: **28165 BLK** Matrix: **WATER** % Moisture:
Lab Sample Id: **28165 BLK** Date Collected: Date Received:
Sample Depth:

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-09-05 13:28 Analyst: JPM01 Date Prep: Dec-09-05 11:08 Tech: JPM01
Seq Number: 29545

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		]
Toluene	108-88-3	BRL	1.0	0.68	ug/L		]
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		]
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		]
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		]
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		]
1,2-Dichloroethane	107-06-2	BRL	5.0	0.82	ug/L		]
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		]
Ethanol	64-17-5	BRL	100	55	ug/L		]
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		]
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		]
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		]
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		]
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		]
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		]

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Certificate of Analytical Results 9352

Consultech Environmental, Inc., Lawrenceville, GA

Clouds Chevron / Handy Pantry, Columbia, SC

Sample Id: **28185 BLK** Matrix: **WATER** % Moisture:
Lab Sample Id: **28185 BLK** Date Collected: Date Received:
Sample Depth:

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-03-05 11:24 Analyst: JPM01 Date Prep: Dec-03-05 10:24 Tech: JPM01
Seq Number: 29574

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	0.74	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
1,2-Dichloroethane	107-06-2	BRL	5.0	0.82	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

Sample Id: **28187 BLK** Matrix: **WATER** % Moisture:
Lab Sample Id: **28187 BLK** Date Collected: Date Received:
Sample Depth:

Analytical Method: Select VOCs by SW8260B Prep Method: SW5030B

Date Analyzed: Dec-05-05 19:10 Analyst: MVRR01 Date Prep: Dec-05-05 17:44 Tech: JPM01
Seq Number: 29577

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	D
Benzene	71-43-2	BRL	1.0	0.67	ug/L		1
Toluene	108-88-3	BRL	1.0	0.68	ug/L		1
Ethylbenzene	100-41-4	BRL	1.0	0.66	ug/L		1
Xylenes, Total	1330-20-7	BRL	1.0	1.8	ug/L		1
Methyl tert-butyl ether	1634-04-4	BRL	1.0	0.62	ug/L		1
Naphthalene	91-20-3	BRL	5.0	4.0	ug/L		1
1,2-Dichloroethane	107-06-2	BRL	5.0	0.82	ug/L		1
Diisopropyl ether	108-20-3	BRL	5.0	0.89	ug/L		1
Ethanol	64-17-5	BRL	100	55	ug/L		1
Ethyl tert-butyl alcohol	590-36-3	BRL	25	17	ug/L		1
Ethyl tert-butyl ether	637-92-3	BRL	5.0	1.1	ug/L		1
Tert-Amyl alcohol	75-85-4	BRL	25	15	ug/L		1
tert-Amyl methyl ether	994-05-8	BRL	5.0	1.1	ug/L		1
tert-Butyl alcohol	75-65-0	BRL	25	1.1	ug/L		1
tert-Butyl formate	762-75-4	BRL	25	18	ug/L		1

*

CONSULTECH ENVIRONMENTAL, INC.

December 28, 2005

RECEIVED

JAN 03 2006

UNDERGROUND STORAGE TANK PROGRAM

Norman Dodson
Bureau of Water
South Carolina Department of Health and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201-1708

Re: UIC Permit – Revised Form 1
Handy Pantry #65 & Cloud's Chevron
Columbia, Richmond County, SC
SCDHEC Facility ID # 07584 & # 07777/123521
PO # 608618, PO #608620, and PO # 608622
IFB-29012-10-10/18/05-EMW
Consultech Project C-05-11-201

Dear Mr. Dodson:

Consultech Environmental, Inc. (Consultech) submits the revised Form 1 UIC Permit (DHEC 2502 – 08/1997) for our requested UIC Permit for Handy Pantry #65 & Cloud's Chevron, SCDHEC Facility ID # 07584 & #s 07777/123521. If you have any questions regarding this revised form, please do not hesitate to contact us at (678) 377-0400, ext. 218.

Sincerely,

CONSULTECH ENVIRONMENTAL, INC.

Kenneth L. Brooke

Kenneth L. Brooke, P.E.
Project Manager

UST PROGRAM
DOCKETING # 21476

cc: Susan Block, GIT, SCDHEC
File C-05-11-201
Distribution List

1800 MacLeod Drive, Suite F * Lawrenceville, GA 30043-5376
678 377-0400 * FAX 678 377-0051

Form 1 UIC

D H E C
PROMOTE PROTECT PROSPER

Underground Injection Control
Permit Application
Ground-Water Protection Division
(Collected under the Authority of Title 48 Chapter 1 of the 1976 South Carolina Code of Laws)

I. EPA ID NUMBER

		T/A	C
U			

Read attached instructions before starting.

RECEIVED
JAN 03 2006
UNDERGROUND STORAGE TANK PROGRAM

For Offical Use Only

Application Approved month day year	Date Received month day year	Permit/Well Number

Comments

II. Facility Name and Address

Facility Name
Former Handy Pantry #65
Clouds Chevron

Street Address
2367 Taylor St.
16000 Two Notch Rd.

City State Zip Code
Columbia SC 29204

III. Owner/Operator and Address

Owner/Operator Name
Consultech Environmental, Inc.

Street Address
1800 MacLeod Dr. Ste. F

City State Zip Code
Lawrenceville GA 30043

IV. Ownership Status (Mark "x")

☐ A. Federal ☒ B. State ☐ C. Private
☐ D. Public ☐ E. Other (Explain)

V. SIC Codes

VI. Well Status (Mark "x")

☐ A. Operating Date Started month day year ☐ B. Modification/Conversion ☐ C. Proposed

VII. Type of Permit Requested - Class and Type of Well (see reverse)

A. Class(es) enter code(s)	B. Type(s) enter code(s)	C. If class is "other" or type is code "x", explain	D. Number of Wells per type
V.A.	I		47

VIII. Location of Wells or Approximate Center of field or Project

C I	A. Latitude Deg	Min	Sec	B. Longitude Deg	Min	Sec
	34	0	44	-81	0	34

IX. Attachments

Complete the following questions on a separate sheet(s) and number accordingly; see instructions for Classes II, III, and V, complete and submit on a separate sheet(s) attachments A-U as appropriate. Attach maps where required. List attachments by letter which are applicable and include with your application.

X. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

A. Name and Title (Type or Print)
Kenneth L. Brooke, PE Project Manager

B. Phone No.
( ) 678-377-0400

C. Signature Kenneth L Brooke

D. Date Signed
12/20/05

DHEC2502 (08/1997)

CONSULTECH ENVIRONMENTAL, INC.

December 6, 2005

Ms. Susan Block
Corrective Action Branch
South Carolina Department of Health and Environmental Control
Division of Underground Storage Tank Management
2600 Bull Street
Columbia, South Carolina 29201-1708

Re: **Former Handy Pantry #65 UST Permit #07584**
Former Cloud's Chevron UST Permit # 07777 & 12352
Columbia, SC
Consultech Project C-05-11-201

Dear Ms. Block:

Consultech Environmental, Inc. (Consultech) submits two copies of the Corrective Action Plan (CAP) for Former Handy Pantry #65 and Cloud's Chevron. We have included the required parts of the CAP including the figures, tables, sampling protocols, and other requirements. Consultech will submit a separate letter to Chris Doll of SC DHEC addressing the Performance Bond for this site.

Should you have any questions regarding this report or the project in general, please do not hesitate to contact me at (678) 377-0400, extension 218.

Sincerely,

CONSULTECH ENVIRONMENTAL, INC.

Kenneth L Brooke

Kenneth L. Brooke
Project Manager

cc: File C-05-11-201

UST PROGRAM DOCKETING # 215Tech

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DEC 12 2005
UNDERGROUND STORAGE TANK PROGRAM

1800 MacLeod Drive, Suite F * Lawrenceville, GA 30043-5376
678 377-0400 * FAX 678 377-0051

Corrective Action Plan

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DEC 12 2005
UNDERGROUND STORAGE TANK PROGRAM

Handy Pantry #65
UST Permit # 07584
2367 Taylor Street
Columbia, South Carolina
&
Cloud's Chevron
UST Permits # 7777 & 12352
1600 Two Notch Road
Columbia, South Carolina

Prepared For:

South Carolina Dept. Of
Health and Environmental Control
2600 Bull Street
Columbia, SC 29201

Prepared By:

CONSULTECH ENVIRONMENTAL, INC.
1800 MacLeod Drive - Suite F
Lawrenceville, Georgia 30043

James R. Wilson, P.G.
Senior Project Manager

Kenneth L. Brooke, P.E.
Project Manager



December 2005

Consultech Project C-05-11-201

Corrective Action Plan
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Appendix B ..... Tables
Appendix C ..... AS, TFR, and TFAS Well Construction Diagrams
Appendix D ..... Field Gauging & Sampling Protocols
Appendix E ..... SCDHEC Corrective Action Monitoring Plan
Appendix F ..... Public Notice

Corrective Action Plan

Handy Pantry #65
UST Permit # 07584
2367 Taylor Street
Columbia, South Carolina
&
Cloud's Chevron
UST Permits # 7777 & 12352
1600 Two Notch Road
Columbia, South Carolina

Remediation Technologies

Total Fluids Removal (TFR) and In-situ Air Sparging (AS), are the selected technologies that will be used to remediate the contaminated groundwater plume at this site. The figures for this plan are located in Appendix A. The Former Handy Pantry #65 (former Simba Express #2 and currently Fast Point #24) is located at 2367 Taylor Street, and the Former Clouds Chevron (currently a parking lot for Providence Hospital) is located at 1600 Two Notch Road in Columbia, South Carolina. Former Handy Pantry #65 (Simba Express #2) had three releases that were reported to SCDHEC from April 17, 1998 through April 29, 1999. Three 10,000-gallon USTs, along with the associated piping and dispensers, were removed from the site on June 16, 1998 and March 24, 1999. The site currently has one 12,000-gallon gasoline UST and one 8,000-gallon gasoline UST in operation in the area of the former USTs. Former Cloud's Chevron has had a release reported to SCDHEC in March 18, 1992. Two 8,000-gallon gasoline USTs and two 5,000-gallon gasoline USTs along with the associated piping and dispensers, were removed from the site on May 28, 1992. In this document, the site will reflect to Handy Pantry #65 and Clouds Chevron.

Figure 1 presents a topographic location map of the site and surrounding areas. Figure 2 shows the site plan map of the subject sites with the existing monitoring wells and associated major features of the sites including Benedict College, streets, parking areas, shopping center, and restaurants. Figure 3 presents a 1 to 6,000 site topographic map. The groundwater flow for both sites is generally to the south-southwest. Figures 4 and 5 depict the groundwater potentiometric surfaces for the shallow and the deep wells.

The initial remedial activities will include installation of AS wells and total fluid recovery/air-sparge (TFAS) wells. The TFAS well will be constructed as a cluster well installation that includes both at 2-inch air-sparge well and a 4-inch TFR well in the same boring. The AS wells and the air-sparge well of each TFAS will be connected to an air-sparge piping system that is connected to an air compressor located in one of three equipment compounds. The plan of action will include installing and using eight TFR/TFAS wells to perform extraction events called advance fluid and vapor recovery (AFVR) events in zones containing free product. We evaluated the option of using a mobile multiple phase extraction system, but determined it would be difficult to obtain a sewer discharge permit in a timely manner. After the free product is reduce to less than 0.01 feet of product, the air-sparge systems will be activated to supply air the AS wells at the site.

Once the wells and remediation systems are installed and approved, we will begin active remediation within 15 days of the receipt of the Permit to Operate and the CAP Notice to Proceed (page 2, IFB-29012-10/18/05-EMW). We plan to perform AFVR events to reduce the free phase or liquid phase hydrocarbons and high dissolved petroleum fractions in the most contaminated or "hot" zones. The following drawings show the various isoconcentration plots for the chemicals of concern: Figure 6 - Dissolved Benzene Isoconcentration Map, Figure 7 Dissolved MTBE Isoconcentration Map, Figure 8 - Dissolved Napthalene Isoconcentration Map, and Figure 9 - Dissolved EDB Isoconcentration Map.

The total extent of site contamination is presented in each figure. The target area or groundwater zone will be in the core of the plume at the Fast Point #24 Station and particular points within the 1,000 μg/l isoconcentration zone. Historically, the following monitoring wells had the indicated level of free product: MW-3 (0.43 ft.), MW-10 (0.79 ft.), and MW-18 (0.02 ft.). AFVR events will be performed in stages using the listed eight (8) recovery wells in a portion of the core of contamination near the following areas and wells:

- TFR/TFAS-19
  - Benedict College Visitor Center– MW-18 & MW-33
- TFR/TFAS-23 and TFR/TFAS-25 (Figure 10A)
  - Fast Point #24 – MW-19, MW-24, RW-1, PW-1R, MW20, and MW-5aR
- TFR/TFAS-30 andTFR/TFAS-31 (Figure 10A)
  - The Providence Hospital Parking area – MW-2 MW-3, and MW-5
- TFR/TFAS-35 and TFR/TFAS-38 (Figure 10C)
  - Church's Fried Chicken Restaurant Parking Area – MW-9 and MW-10
- TFR/TFAS-34 (Figure 10C)
  - Kar Kare Automotive Shop – MW-16 and MW-17

The goal of each AFVR event is to depress the local groundwater surface sufficiently to remove the free product or highly contaminated dissolved contaminated groundwater. The typical AFVR event will last approximately eight hours.

AS is an emerging and innovative groundwater remediation technology for treating residual (adsorbed) and dissolved volatile organic hydrocarbons (VOC's) or gasoline that exists in the soils below the groundwater table, or saturated zone. AS at this site involves the injection of ambient air under pressure into system AS wells connected to one of three compressor equipment compounds.

AS is a cost-effective alternative to traditional pump-and-treat remediation and overcome many well-documented limitations (Travis and Doty, 1990; Hall, 1988; Mackay and Cherry, 1989). The AS technology appears to have originated in Germany in 1985, there are numerous successful case histories in this country for treating petroleum hydrocarbon contamination with AS.

The goal of successful AS at this site is to exponentially enhance the natural biodegradative processes to a point where minimal vapors are discharged to the surface, while still moving sufficient air through the subsurface media to remove dissolved phase hydrocarbons.

AS has been demonstrated to achieve restoration of VOC-contaminated aquifers in the low part-per-billion range, to levels which are safe for protecting human health and the environment. AS has achieved technological acceptance among many regulatory agencies and is recognized and being reviewed by the EPA's Technology Innovation Office.

During the air sparge process, petroleum hydrocarbon vapors will be brought to the surface and discharged to the atmosphere. No secondary treatment, incineration, absorption, carbon beds, or biofiltration will be necessary due to the low concentrations of hydrocarbons measured on site. For the subject site, the soil vapors generated will be well below the allowable air quality limits for South Carolina.

Positive pressure injection is actually preferred to increase the removal of entrained and adsorbed hydrocarbons from the soils. Impervious surfaces such as plastic, concrete or asphalt, are actually preferred, as to eliminate the potential for short circuiting air flows from surface air sources. Some of the site area is covered with concrete and asphalt, while other areas are more open and undeveloped. An equilibrium of air flow to will be maintained to inhibit short circuiting in these undeveloped areas.

Contamination exists in the subsurface media in vapor phases, and in dissolved phases. Maintaining a higher equilibrium between the three phases is imperative. AS is necessary in order to volatilize the contaminant into the vapor stage. Left unattended, the equilibrium will eventually reach it's own asymptotic level. The goal of successful AS is to change the natural conditions of equilibrium toward predominant vapor phase constituents able to be

removed. Introduction of AS enhances the equilibrium change towards a more saturated vapor phase.

The success of AS depends upon the conditions of the contaminant(s) and the subsurface conditions of the soils. There are three specific equilibrium relationships:

- The contaminant to air equilibrium
- The relationship between the dissolved phase in pore water, and the soil vapor movement, described by Henry's Law Constant
- The relationship of the dissolved phase, which is adsorbed to the soil particles, described under the Soil-Sorption Constant (K_{oc}).

Some of the predominant factors in successful AS, are vapor pressures and soil-sorption capacity. Hydrocarbons with high vapor pressures, such as gasoline at the subject site, are more likely to be effectively removed by AS than other conventional methods using low vapor pressures. The subsurface media is of key importance.

The lithology is described as being predominantly grey to orange silty clayey sand to sandy clay to a depth of 120 ft.-bgs. and the soils have a porosity of approximately 18 percent. The groundwater elevation ranges from 1.41 ft.-bgs. (MW-57) to 28.78 (DW-9) ft.-bgs. for the monitoring wells at the site. Therefore, contaminants can be successfully removed with proper placement of the AS points. AS is more amenable to gravel and coarse sands, since the adsorption is less, the pore space is greater and the flows are significantly increased over those of silts and clay type soils.

Most soils have preferential flow pathways responsible for much of the soil's permeability, resulting in factors such as root intrusion, shrinking and swelling, wetting and drying conditions, and including uneven settling and formations.

Non-natural flow pathways are often observed due to construction of buildings and utility trenching, which increases the soil permeability in those areas. Other factors such as vapor air temperature and moisture content affect the removal of the hydrocarbons from the unsaturated zone.

AS will produce average air temperatures of 120° F into the groundwater. This increase in air temperature will increase the vapor pressure and Henry's Constant (Munz and Roberts, 1987). Each 10° F increase in vapor temperature, increases Henry's Constant by a factor of 1.6. Although it has been determined that increased air temperature decreases air conductivity, the volatilization coefficient far outweighs the minimal change in conductivity.

At the subject site, seasonal vadose temperatures are anticipated to be roughly 65° F. Therefore, it is anticipated that Henry's Constant will increase by a factor as great as 9.0.

The enhanced airflow from the groundwater through the overburden, will also aid in enhancing natural biodegradation. Volatilization occurs as the injected air interfaces with dissolved and residual phase (LPH) VOC's existing within and immediately above the saturated soil column. The rate of hydrocarbon volatilization from the groundwater into the sparged air is governed by Fick's Law of diffusion (Lyman et al., 1990). Fick's Law states that the rate of volatilization (flux) equals a rate constant, times the concentration gradient across the air-water boundary. Because the sparged air is free of hydrocarbons, the rate of flux is rapid and limited only by the Henry's Law Constant for the compound(s) of interest, and the volume ratio of the sparged air to the volume of impacted groundwater.

AS also enhances aerobic biodegradation by supplying rate-limiting oxygen to the indigenous microbial population. Aerobic biodegradation is typically an oxygen-limited

process (Borden et al., 1986). Successful biorestoration in aquifers primarily depends on the effective transport of dissolved oxygen (DO) to the existing microbial population (Rainwater et al., 1989.) AS can achieve DO concentrations as high as 8 mg/l to 10 mg/l in the saturated zone.

Effective transport of DO depends on various conditions, such as the stability of the oxygen source, various oxygen demands in the saturated zone, the permeability of the aquifer, etc. Dissolved Oxygen levels reported at the site remain high in non-contaminated wells, with apparent reductions in the contaminated wells.

Since the permeability of the site is considered to be moderate, continual air injection is beneficial, over that of bioventing, or bioremediation methods.

Based on the stoichiometry of the system the minimum oxygen requirement for the complete oxidation of benzene, for example, may be estimated as follows (Hinchee et al., 1987):

$$C_6H_6 + 7\ ½\ O_2 \text{ ----> } 6\ CO_2 + 3\ H_2O$$

(1 lb benzene and 3.1 lbs oxygen)

The subject site has an area of free product near monitoring wells MW-3, MW-10,and MW-18. Figures 6 through 9 illustrate the isoconcentration levels of benzene, MtBE, naphthalene, and EDB at the site. The benzene "hot zone" is located on the Fast Point #24 site (Former Handy Pantry #65). The MtBE core plume lies around the two former gasoline station sites with two 10,000 µg/l "hot spots" at monitoring wells MW-3 and MW-20 respectively. There are two 1,000µg/l naphthalene "hot spots" on the Fast Service # 24 site and immediately downgradient to the southwest and on the Former Cloud's Chevron property and on the Church Chicken property. The most significant "hot spot" for EDB, the 10 µg/l

plume, lies on the south point of Fast Service #24 and adjacent to the Benedict College Visitor Center.

Consultech will install 47, 2-inch diameter AS wells at this site. Eight of the 47 AS wells will be AS/TFAS wells. There will be two deep AS wells and 37 shallow AS wells. The details of the AS wells are provided in the Remedial System Construction Section.

AS systems are designed using empirical data gained from actual pilot tests. In the absence of pilot tests, it may be possible to project the radius of influence based upon air permeability and exponentially changing pressures. The actual radius of influence will be determined in the field after the AS system has become operational.

The affect of the AS on the surrounding monitoring wells and recovery wells will be accomplished by measuring both pressure and static water level changes, combined with an analytical determination of the dissolved oxygen (DO) concentrations at the sparging point and at each monitoring or inactive sparging wells.

The radius of sparging and vacuum influence can then be calculated by plotting the pressures and DO concentrations against distance from the sparging or vacuum point, and solving for the distance at which the positive and negative pressure is 0.00, and where DO equals the background DO concentration. DO measurements will be obtained throughout the course of the remedial operation.

A DO meter equipped with a cable assembly will be used to measure dissolved oxygen in the groundwater. Sensitive Magnehelic gauges will be used to measure pressures radially from the sparge point(s). Dissolved oxygen concentrations and water level measurements will be taken in each monitoring well before and during the pilot / startup phase, and then regularly throughout the remedial operations.

The radius of AS influence may also be determined by measuring the water levels and dissolved oxygen (DO) concentration in the monitoring wells before and during remedial operations. Headspace VOC vapor analysis is also used to evaluate the effects of AS. Discharge concentrations from the AS wells will be used to determine the effectiveness of evacuating vadose air and AS air from the overburden. An increase in VOC vapor concentrations in the monitoring wells through time would indicate that AS is effectively volatilizing hydrocarbons from the groundwater.

Data on water level fluctuations is important because the entrainment of air in the groundwater will decrease the bulk density of the aquifer causing potential mounding of the water table.

Site Geology/Hydrogeology

Previous investigations have documented the regional and site geology and hydrology. The subsurface soils are predominantly brown to grey to orange silty-clayey sand to sandy clay alternating from the ground surface to a depth of 110 feet below ground surface.

Soil boring/monitoring well installation lithological data indicated that soil types and depths appear to be predominantly uniform across the site. Groundwater levels in the sand range from 2 to 28 feet below ground surface.

The groundwater elevations taken on April 19-21, and May 17-18, 2005 are illustrated on Figure 4 for the shallow wells and Figure 5 for the deep wells. These figures indicate that the groundwater flow direction is generally to the southwest for the former Handy Pantry #65 site and generally to the south for the former Clouds Chevron site for both the shallow and deep groundwater zones. The average hydraulic gradient is estimated to be 0.004 feet per foot (ft/ft) across the site between monitoring wells MW-5aR and MW-69 for the shallow groundwater and 0.0029 (ft/ft) between monitoring wells DW-4 and DW-6 for the deep groundwater for the former Handy Pantry #65 site.

The average hydraulic gradient is estimated to be 0.009 ft/ft across the site between monitoring wells MW-1 and MW-60 for the shallow groundwater and 0.0025 ft/ft between monitoring wells DW-2 and DW-8 for the deep groundwater for the former Clouds Chevron site. The hydraulic conductivity for the site is 0.012 ft./day and 0.0013 for the shallow and deep groundwater, respectively. The porosity for the site soils is approximately 18 percent.

The cross-sections of the dissolved plume show the dissolved plume is predominantly limited to the upper aquifer and shallow groundwater, and does not appear to have increased in distribution with depth.

The petroleum hydrocarbon plume distribution, at this site, is typical of most gasoline-dissolved plumes in that gasoline is less dense than water, usually resulting in higher concentrations being found near the surface of an aquifer. A combination of two forces is at work within the site area, which result in the observed distribution of the dissolved plume. The first, and believed to be predominant force, is the preferential flow patterns at the site. The mass of the petroleum hydrocarbon plume appears to have remained relatively stationary, as evidenced by the absence of dissolved hydrocarbons in any of the off site wells.

Remedial System Construction

Based upon a site work associated with the initial site-sampling event, Consultech has determined that monitoring wells MW-24 and D-4 have been paved over during a recent road widening project.

The subject site has an area of high level dissolved petroleum hydrocarbons centered around wells former Handy Pantry #65 and former Cloud's Chevron. Based upon previous investigations, the following monitoring wells had the indicated level of free product: MW-3 (0.43 ft.), MW-10 (0.79 ft.), and MW-18 (0.02 ft.). The assumed distribution of the LPH plume is approximately 158,000 ft^2.

Consultect proposed to install eight total recovery wells (TFR): TFAS-19, TFAS-23, TFAS-25, TFAS-30, TFAS-31, TFAS-34, TFAS-35, and TFAS-38. The total fluid recovery wells TFAS-19, TFAS-23, TFAS-25, TFAS-30, and TFAS-31 will be drilled to 30 ft.-bgs. with 10 feet of 4-inch diameter, PVC 0.010-inch screen and 20 feet of riser constructed of 4-inch diameter, PVC Schedule 40, threaded pipe.

The total fluid recovery wells TFAS-34, TFAS-35, and TFAS-38 will be drilled to 25 ft.-bgs. with 10 feet of 4-inch diameter PVC 0.010-inch screen and 15 feet of riser constructed of 4-inch PVC Schedule 40, threaded pipe. Each TFR well will have a sand filter pack from the bottom of excavation to two feet above the well screen. A bentonite seal of approximately two feet will be installed above the filter pack and each well will be completed using a cement /bentonite mixture to near the top of well. Each TFR well will have a lockable cap and be installed in a flush-to-grade vault. The eight TFR/TFAS wells are located near areas that have free product and high levels of petroleum contamination. The assume radius of influence for these wells is 50 feet. Figures 10A, 10B, and 10C show the locations of the TFR/TFAS wells. Figure 18 presents a construction drawing for the TFR/TFAS wells.

The proposed lateral distribution of vertical AS wells will be installed assuming a 60-foot radius of influence. A total of 47 AS wells will be installed at the site. Eight of the 47 AS wells will be AS/TFAS wells. There will be two deep AS wells and 37 shallow AS wells.

Air sparge wells AS-1 through AS-18 and AS-20 (19 AS wells) will be drilled to 45 feet with two feet of 2-inch PVC 0.010-inch screen and 43 feet of 2-inch PVC threaded pipe. These air sparge wells and TFAS-19 will be connected via piping to the Compound A air supply system.

Air sparge wells AS-21, AS-22, AS-24, AS-27 through AS-29, AS-32, and AS-33 (8 AS wells) will be drilled to 42 feet with two feet of 2-inch diameter, PVC 0.010-inch screen and 40 feet of 2-inch diameter PVC Schedule 40 threaded pipe. DAS-26 (1 AS well) will be drilled to 110 feet with five feet of 2-inch diameter, PVC 0.010-inch screen and 100 feet of 2-inch diameter, PVC Schedule 40 threaded pipe. These air-sparge wells and TFAS-23, TFAS-30, and TFAS-31 will be connected to Compound B air supply system.

Air sparge wells AS-36, AS-37 and AS-39 (3 AS wells) will be drilled to 40 feet with two feet 2-inch diameter, PVC 0.010-inch screen and 38 feet of 2-inch diameter PVC Schedule 40 threaded pipe. AS-40 and, AS-41 (2 AS wells) will be drilled to 30 feet with two feet of 2-inch diameter PVC 0.010-inch screen and 28 feet of 2-inch diameter, PVC Schedule 40 threaded pipe.

AS-42 through AS-47 (6 AS wells) will be drilled to 25 feet with two feet of 2-inch diameter PVC, 0.010-inch screen and 23 feet of 2-inch diameter PVC Schedule 40 threaded pipe. DAS-44 (1 AS well) will be drilled to 60 feet with five feet of 0.010-inch screen and 55 feet of 2-inch PVC Schedule 40 threaded pipe. These wells and TFAS-38 will be connected to the Compound C air supply system.

Air sparge well AS/TFAS 19 (1 AS well) will be drilled to 45 feet with two feet of 2-inch diameter PVC, 0.010-inch screen and 43 feet of 2-inch diameter PVC Schedule 40 threaded pipe.

Air sparge wells AS/TFAS-23, AS/TFAS-25, ASTFAS-30, and AS/TFAS31 (4 AS wells) will be drilled to 42 feet with two feet of 2-inch diameter PVC, 0.010-inch screen and 40 feet of 2-inch diameter PVC Schedule 40 threaded pipe.

Air sprage wells AS/TFAS-35 and AS/TFAS-38 (2 AS wells) will be drilled to 40 feet with two feet of 2-inch diameter PVC, 0.010-inch screen and 38 feet of 2-inch diameter PVC Schedule 40 threaded pipe.

Each AS, DAS and AS/TFAS well will be regulated by a flow control valve and connected an air compressor via an air supply line. The air compressor(s) in each compound will supply AS, DAS, and AS//TFAS wells with approximately 7 cfm to 20 cfm at generally 8 psi to 20 psi or as required by the characteristics of the air sparge wells.

Figures 10A, 10B, 10C, and 10D show the proposed locations of the AS, DAS, and TFAS wells. Appendix C, Figures 11 through 18 provide the construction drawings for the AS, DAS, AS/TFAS, and TFR/TFAS wells.

Air samples will be taken from the surrounding monitoring wells during startup and during the first week of operation to determine if any concentrations of volatile hydrocarbons could affect human health or the environment.

Clean-up Time Frame

The initial objective of this site remediation is to significantly reduce the free product in the most contaminated zone. AFVR events are planned for this site and these activities should significantly minimize free product to less than 0.01 within eight to ten months of the start of site activities. The reduction of residual site contamination will be accomplished by AS.

The rate of volatilization from the groundwater to the sparged air depends on the Henry's law constant for the chemicals of concern and the ratio of the volume of sparged air to the volume of impacted groundwater.

Henry's law states that the vapor concentration of a compound equals its groundwater concentration, multiplied by the Henry's Law Constant. The Henry's Law Constant for a compound equals its vapor pressure (atm.) divided by its solubility (mole/m^3). A dimensionless Henry's Constant can be calculated by dividing the Henry's Constant with units by the universal gas constant, multiplied by the absolute temperature in degrees Kelvin.

For benzene, the dimensionless Henry's Law Constant is 0.24 (Lyman et al., 1990). The highest benzene concentration in the groundwater at the site was the benzene associated with free product. Based upon historical data, high dissolved levels of benzene under free product have been determined to be approximately 72,000 (µg/l). Assuming an equal volume of sparged air interfaces with an equal volume of groundwater, then the sparged air vapor concentration near well MW-10 is as follows:

$$C_V = C_W \times H'$$

where:

C_V = concentration in vapor

C_W = concentration in water

H' = dimensionless Henry's constant

and

$C_V = 72{,}000\ (\mu g/l_{\ benzene}) \times 0.24 = 17{,}280\ (\mu g/l)$

For each volume of sparged air passed through the same volume of groundwater with a benzene concentration of 72,000 (µg/l), a total of about 17,280 (µg/l) will be volatilized. The remaining concentration of benzene in the groundwater then becomes 72,000 (µg/l) – 17,280 (µg/l) = 54,720 (µg/l).

The next volume of sparge air passing through the groundwater will further reduce this amount of benzene 54,720 (µg/l) by the Henry's constant (0.24) times the groundwater concentration, resulting in the volatilization of 13,133 (µg/l) benzene, and leaving 41,587 (µg/l) benzene in the groundwater. This process is repeated until the groundwater concentration is reduced to below the permitted concentration for benzene (MW-3, SSTL 34.5µg/l). This indicates that on a volume to volume basis it will take approximately 24 volumes of sparged air to each volume of groundwater starting at 72,000 (g/l benzene to reduce the groundwater benzene concentration to less than 34.5 (µg/l).

The time (T_P) required to sparge one pore volume of air (V_p) can be calculated from the following formulae (Johnson et al., 1990):

$T_P = V_P/(Q/10) = E_A\ \pi R^2\ (H/Q)$, where:

Q = sparged air flow (cfm) (average)

E_A = air-filled void fraction (i.e. Coarse Sand 0.10, Clay 0.90)

R = radius of sparge influence (ft)

H = vertical thickness of sparged groundwater (ft)

For this site, we assume a cylindrical saturated aquifer with a thickness of 30 feet below the water table, a 60-ft radius of influence, an air flow of 4.2 cfm, and a 18 percent air-filled void

volume.

The equation then becomes:

$$T_P = E_A \pi R^2 H/Q$$
$$= 0.18\ \pi\ (60)^2\ (30)\ /\ 4.2$$
$$= 14{,}541 \text{ minutes}$$
$$= 242.4 \text{ hours}$$
$$\text{or } 10 \text{ days}$$

This indicates that it will take approximately 10 days to exchange, or sparge, one pore volume of air. The Henry's law calculations show that it will take roughly 24 volumes of air to each volume of groundwater in MW-10 to reduce the benzene concentration from 72,000 (µg/l to less than 34.5 (µg/l). The time required to accomplish this would then be 10 days per pore volume times 24 volumes equals 243 days or approximately 35 weeks.

This indicates that the site may be remediated to below the permitted benzene level within 82 weeks, if volatilization from groundwater to sparged air were 100% efficient. However, the volatilization process is not 100% efficient, and the site geology is non-homogeneous. Moreover, the analysis neglects the effects of biodegradation and residual hydrocarbon mass adsorbed to the aquifer matrix. For this site, periodic air injection will allow for enhanced microbial growth to continue the cleanup process in the absence of active AS.

The AS calculations also do not take any influence from the enhanced bioremediation operation into account. These factors tend to "enhance" each other. The "conservative" removal rate is affected in practice by qualitative inefficiencies, such as sparge flow through less, or uncontaminated saturated zones, air vapors removal from vadose soils and mass transfer resistance from other sources. Presently, there are no quantitative models for predicting the AS/ Bio combined efficiency. The net result effect on time to completion is unknown. The rate of remediation may be modified to reflect different efficiencies, e.g., at

65% efficiency assuming 8 hour of operation per day, remediation duration would require days, approximately weeks.

Project time Time = (243 days/0.75) x(24 hrs. /8hrs.) = 972 days or ~ 2.66

The previous estimated time for AFVR events/activities should require 4 months or 0.33 years. Therefore, the total estimated remediation time is approximately 2.99 years. In conclusion, it is anticipated that the remediation of the site to SSTLs levels will be achieved within a less than 3 years for this site.

Sampling Plan

The sampling plan will follow that stipulated by SCDHEC in the bid document under the section entitled "Specifications for Corrective Action". In general, all monitoring wells associated with the release will be sampled on a quarterly basis. One water sample will be collected from each well for each sampling event and analyzed for the chemicals of concern. An initial sampling event will occur prior to starting any remedial operations. The AS systems will be turned-off one week in advance of each subsequent sampling event to allow the aquifer to equilibrate prior to sampling. Sampling will occur according to protocols established by SCDHEC and those appended to this document (Appendix D, Field Gauging and Sampling Protocols). Results of each sampling event will be prepared and submitted in the SCDHEC Corrective Action Plan Monitoring Plan format (Appendix E). The property owners of concern and the relevant tax map for this site are found in Appendix F – Public Notice.

Remediation System Abandonment

Upon successful completion of this project, and at the direction of SCDHEC, Consultech Environmental, Inc. will properly abandon all wells, borings, trenches, and piping, which it installed as part of this corrective action. The abandonment will be in accordance with South Carolina Well Standards and Regulations R.61-71 and accepted industry standards for abandonment of trenches and piping/utility runs. All remediation system hardware will be removed and the site returned to as near the condition it was in, prior to corrective action plan activities. Consultech will take ownership of all remediation equipment, parts, materials and supplies used in conjunction with the remediation efforts conducted at the site.

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Appendix A

FIGURES



REFERENCE: COLUMBIA NORTH, SOUTH CAROLINA QUADRANGLE MAP. 7.5 MINUTE SERIES, U.S. GEOLOGIC SURVEY

SCALE 1: 24,000

0 2,000 4,000

SCALE IN FEET



SITE LOCATION

DRAWN: SRC	DATE: 12/02/05
SCDHEC FAC. ID# 07584, 07777, 12352	
PROJECT: HANDY PANTRY #65 & CLOUDS CHEVRON	
PROJECT No.: C-05-11-201	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 1
SITE LOCATION MAP

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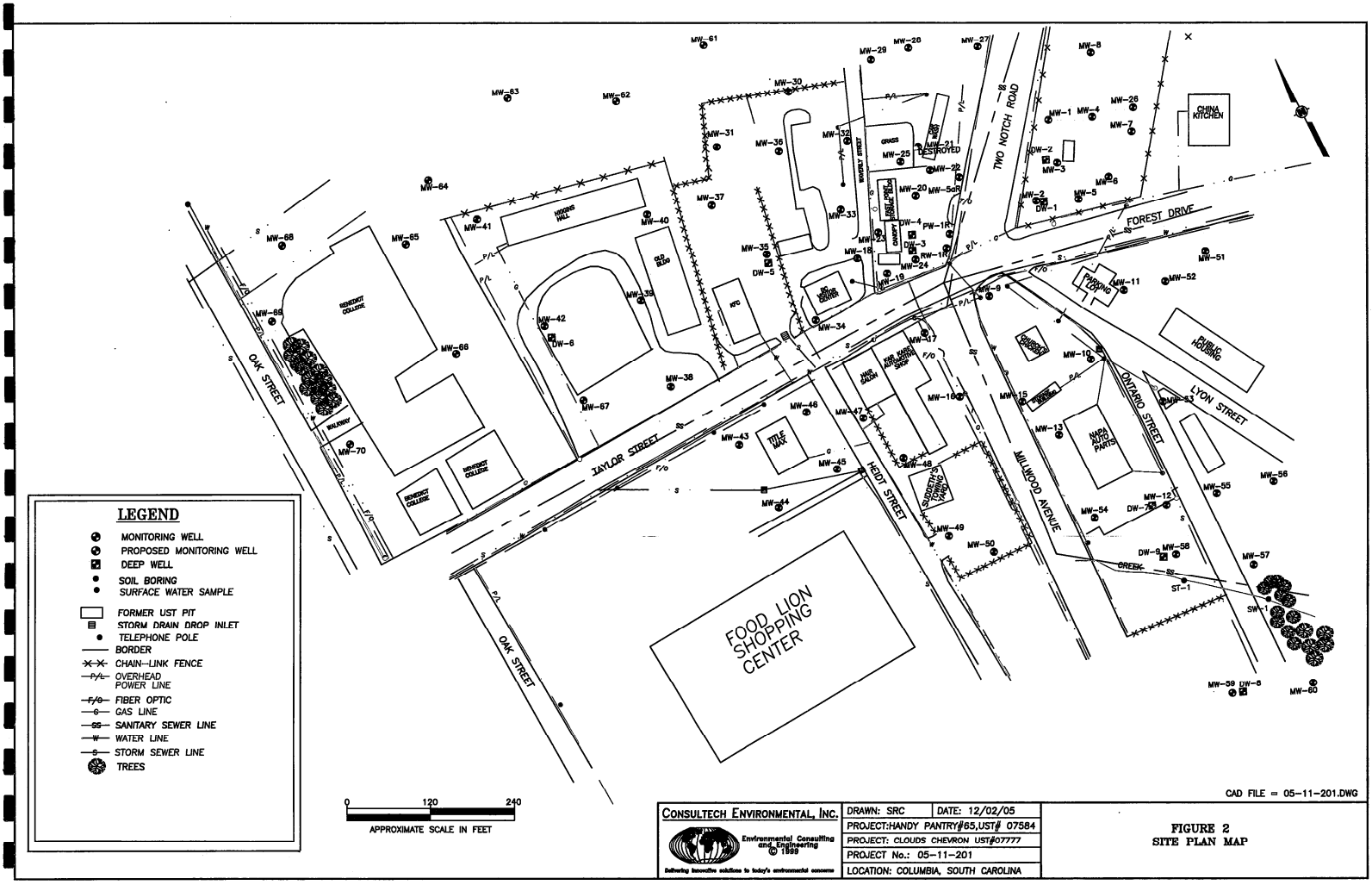

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CONSULTECH ENVIRONMENTAL, INC.	DRAWN: SRC DATE: 12/02/05
Environmental Consulting and Engineering © 1999	PROJECT:HANDY PANTRY#65,UST# 07584
Delivering innovative solutions to today's environmental concerns	PROJECT: CLOUDS CHEVRON UST#07777
	PROJECT No.: 05-11-201
	LOCATION: COLUMBIA, SOUTH CAROLINA

FIGURE 2
SITE PLAN MAP



REFERENCE: COLUMBIA NORTH, SOUTH CAROLINA QUADRANGLE MAP. 7.5 MINUTE SERIES, U.S. GEOLOGIC SURVEY



SCALE 1: 6,000

0 500 1,000

SCALE IN FEET



SITE LOCATION

DRAWN: SRC	DATE: 12/02/05
SCDHEC FAC. ID# 07584, 07777, 12352	
PROJECT: HANDY PANTRY #65 & CLOUDS CHEVRON	
PROJECT No.: C-05-11-201	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 3
SITE TOPOGRAPHIC MAP

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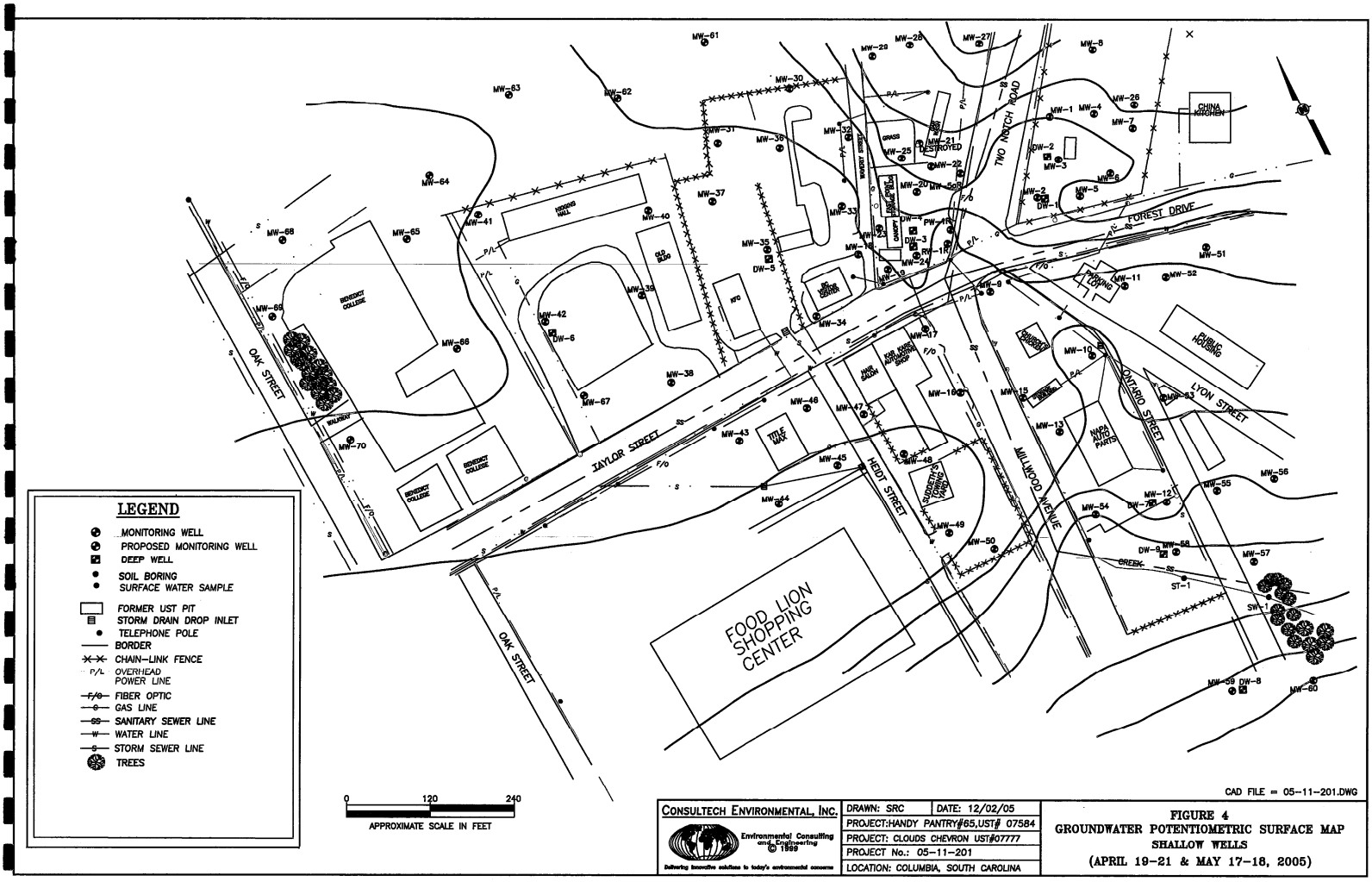

CAD FILE = 05-11-201.DWG

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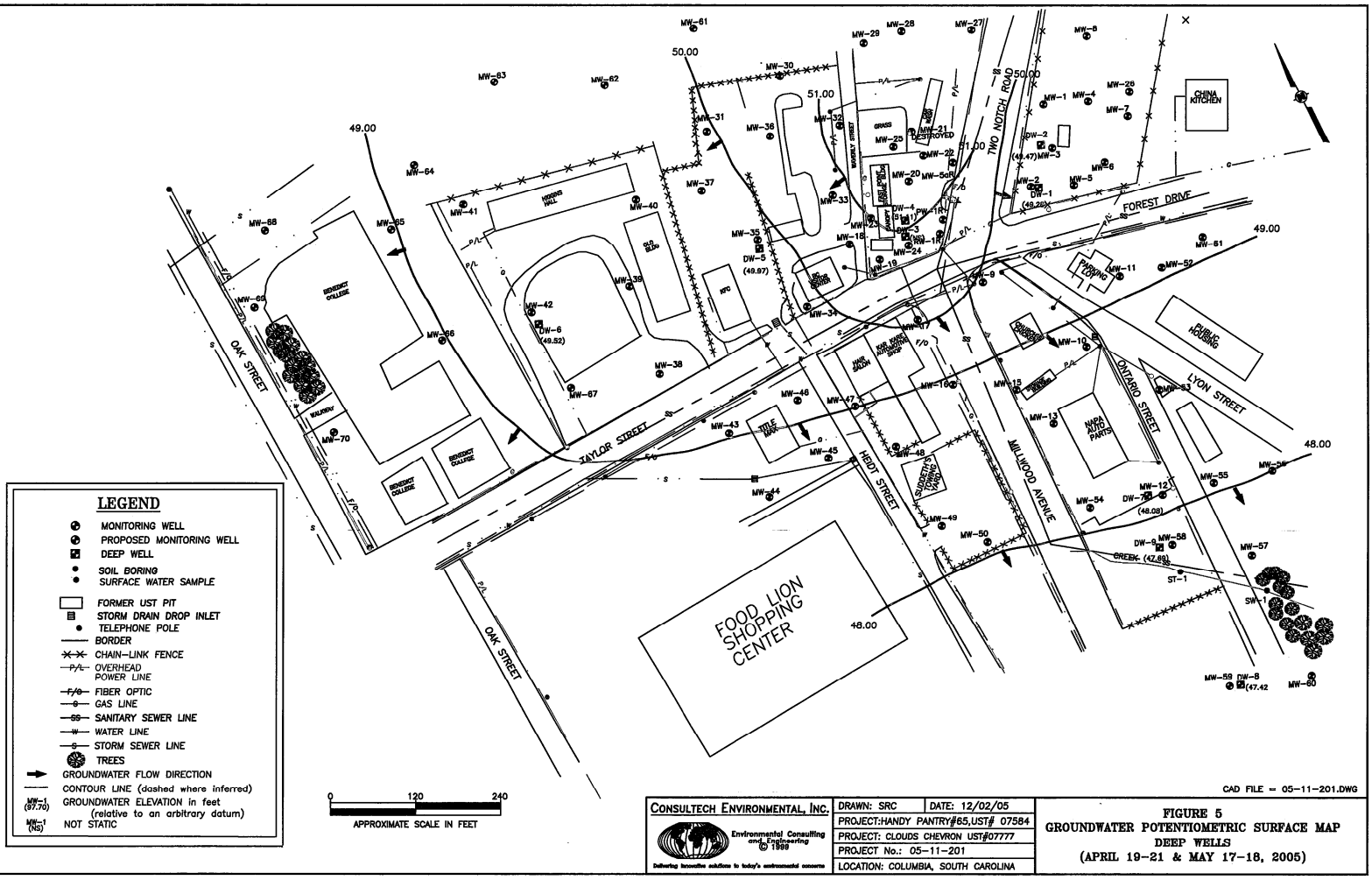
Environmental Consulting and Engineering © 1999	PROJECT:HANDY PANTRY#65,UST# 07584
Delivering innovative solutions to today's environmental concerns	PROJECT: CLOUDS CHEVRON UST#07777
	PROJECT No.: 05-11-201
	LOCATION: COLUMBIA, SOUTH CAROLINA

FIGURE 4
GROUNDWATER POTENTIOMETRIC SURFACE MAP
SHALLOW WELLS
(APRIL 19-21 & MAY 17-18, 2005)



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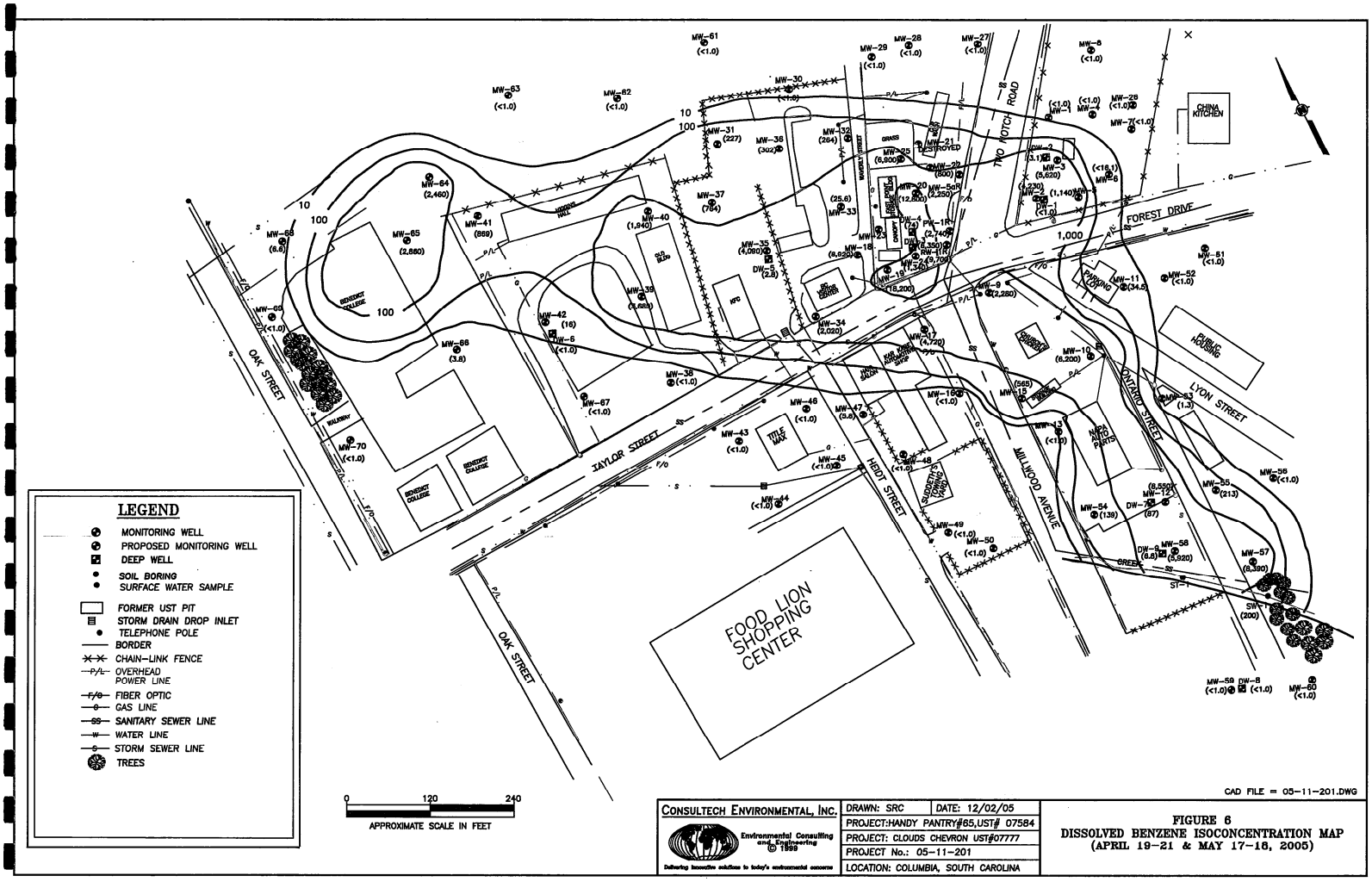
Environmental Consulting and Engineering © 1999	PROJECT:HANDY PANTRY#65,UST# 07584	
Delivering innovative solutions to today's environmental concerns	PROJECT: CLOUDS CHEVRON UST#07777	
	PROJECT No.: 05-11-201	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 5
GROUNDWATER POTENTIOMETRIC SURFACE MAP
DEEP WELLS
(APRIL 19-21 & MAY 17-18, 2005)



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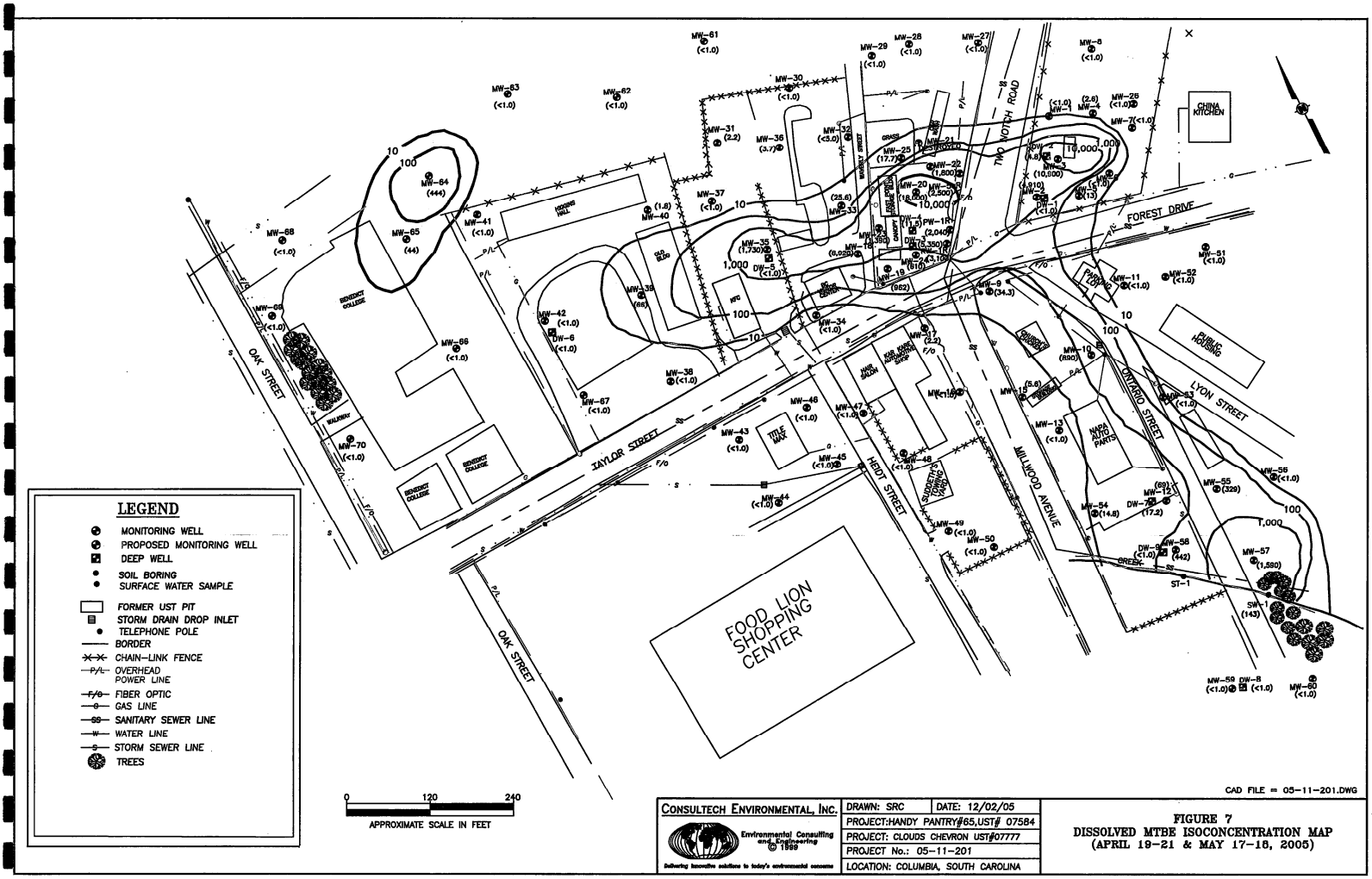
Delivering innovative solutions to today's environmental concerns	PROJECT: CLOUDS CHEVRON UST#07777
	PROJECT No.: 05-11-201
	LOCATION: COLUMBIA, SOUTH CAROLINA

FIGURE 6
DISSOLVED BENZENE ISOCONCENTRATION MAP
(APRIL 19-21 & MAY 17-18, 2005)



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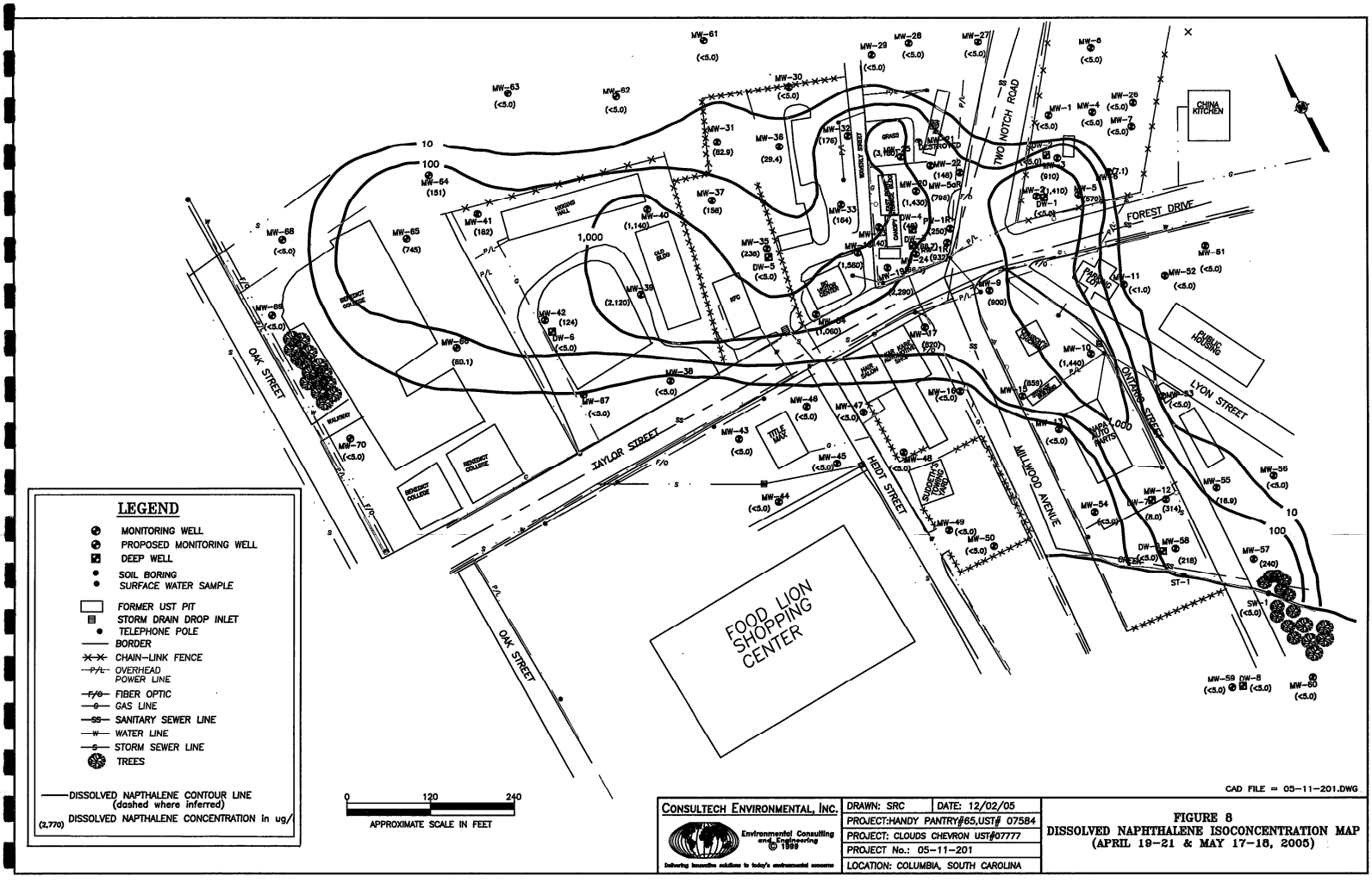
Delivering innovative solutions to today's environmental concerns	PROJECT: CLOUDS CHEVRON UST#07777
	PROJECT No.: 05-11-201
	LOCATION: COLUMBIA, SOUTH CAROLINA

FIGURE 7
DISSOLVED MTBE ISOCONCENTRATION MAP
(APRIL 19-21 & MAY 17-18, 2005)



LEGEND

- MONITORING WELL
- PROPOSED MONITORING WELL
- DEEP WELL
- SOIL BORING
- SURFACE WATER SAMPLE
- FORMER UST PIT
- STORM DRAIN DROP INLET
- TELEPHONE POLE
- BORDER
- CHAIN-LINK FENCE
- P/L — OVERHEAD POWER LINE
- F/O — FIBER OPTIC
- G — GAS LINE
- SS — SANITARY SEWER LINE
- W — WATER LINE
- S — STORM SEWER LINE
- TREES

——DISSOLVED NAPTHALENE CONTOUR LINE (dashed where inferred)

(2,770) DISSOLVED NAPTHALENE CONCENTRATION in ug/

0 120 240

APPROXIMATE SCALE IN FEET

CAD FILE = 05-11-201.DWG

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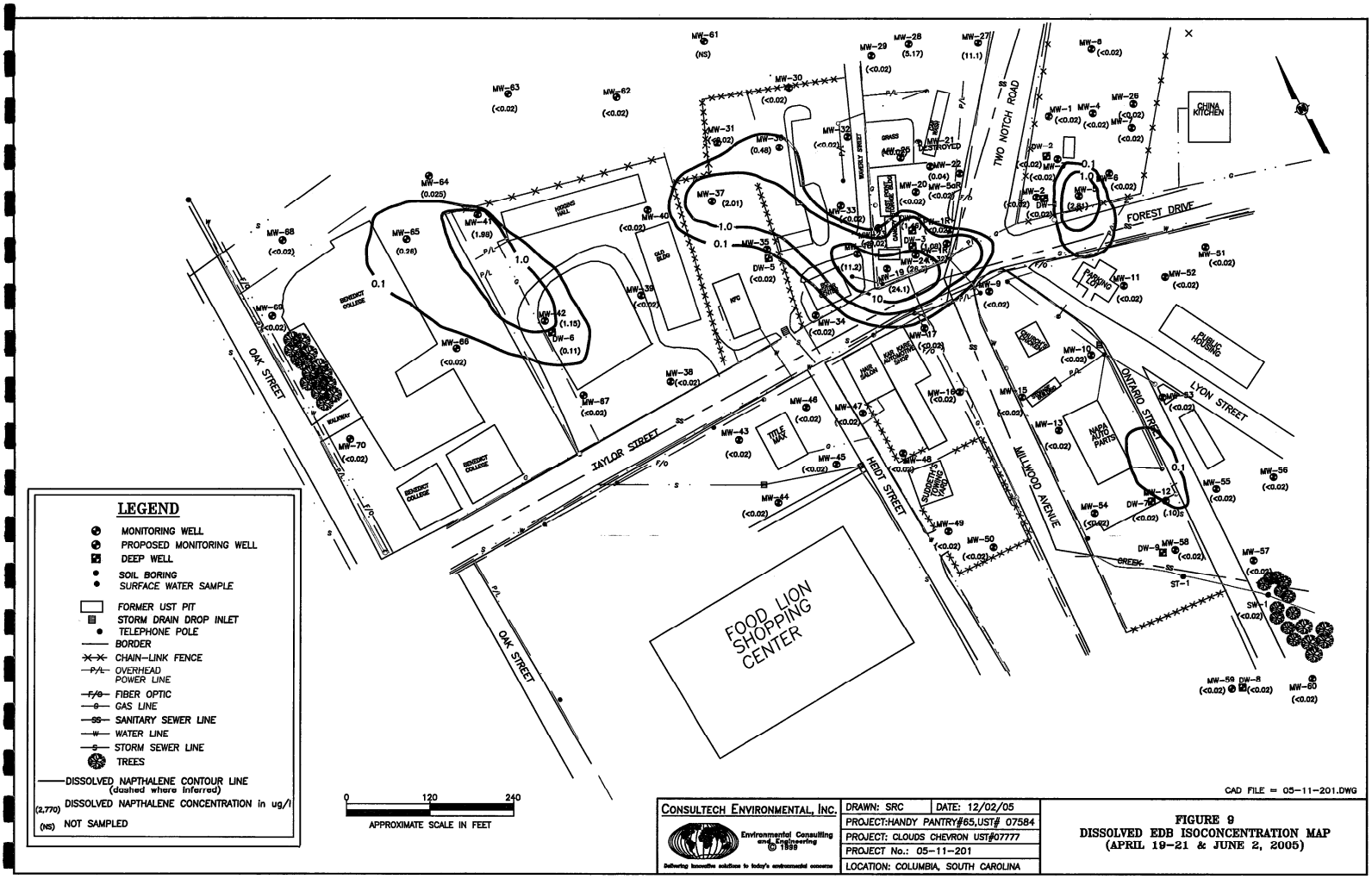
PROJECT:HANDY PANTRY#65,UST# 07584	
PROJECT: CLOUDS CHEVRON UST#07777	
PROJECT No.: 05-11-201	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 8
DISSOLVED NAPHTHALENE ISOCONCENTRATION MAP
(APRIL 19-21 & MAY 17-18, 2005)



CAD FILE = 05-11-201.DWG

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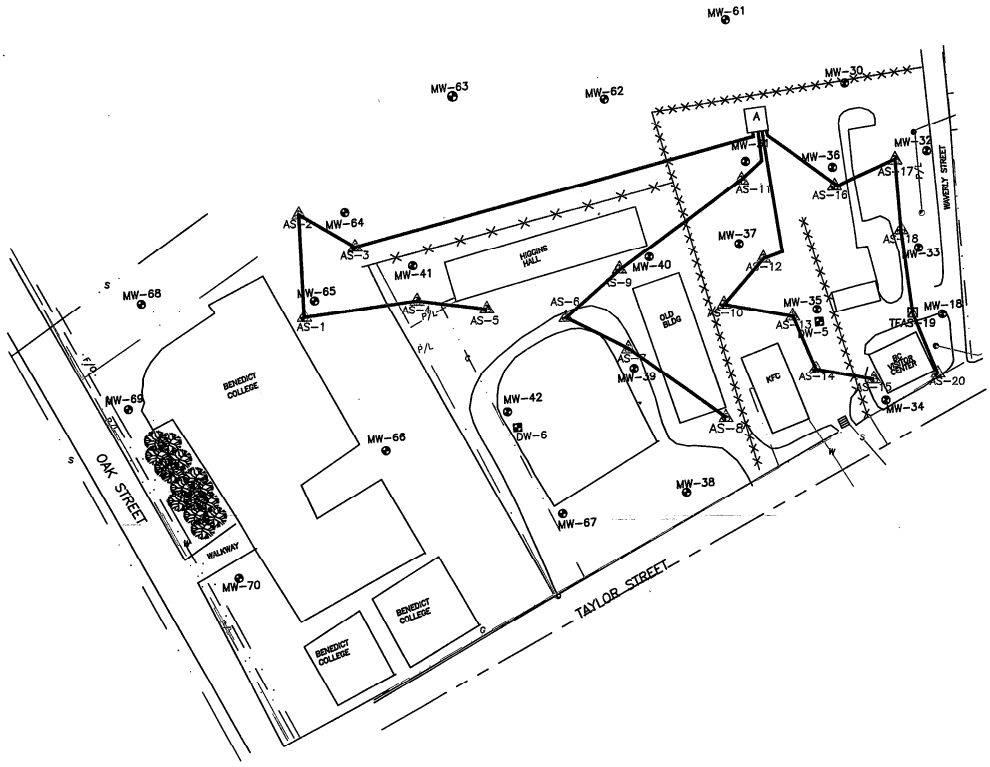
	PROJECT No.: 05-11-201	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 9
DISSOLVED EDB ISOCONCENTRATION MAP
(APRIL 19-21 & JUNE 2, 2005)



LEGEND

- MONITORING WELL
- PROPOSED MONITORING WELL
- DEEP WELL
- AIR SPARGE WELL
- TFR AIR SPARGE COMBO
- SYSTEM COMPOUND
- SOIL BORING
- SURFACE WATER SAMPLE
- FORMER UST PIT
- STORM DRAIN DROP INLET
- TELEPHONE POLE
- BORDER
- CHAIN-LINK FENCE
- OVERHEAD POWER LINE
- FIBER OPTIC
- GAS LINE
- SANITARY SEWER LINE
- WATER LINE
- STORM SEWER LINE
- TREES

0 80 160

APPROXIMATE SCALE IN FEET

CAD FILE = C05-11-201A

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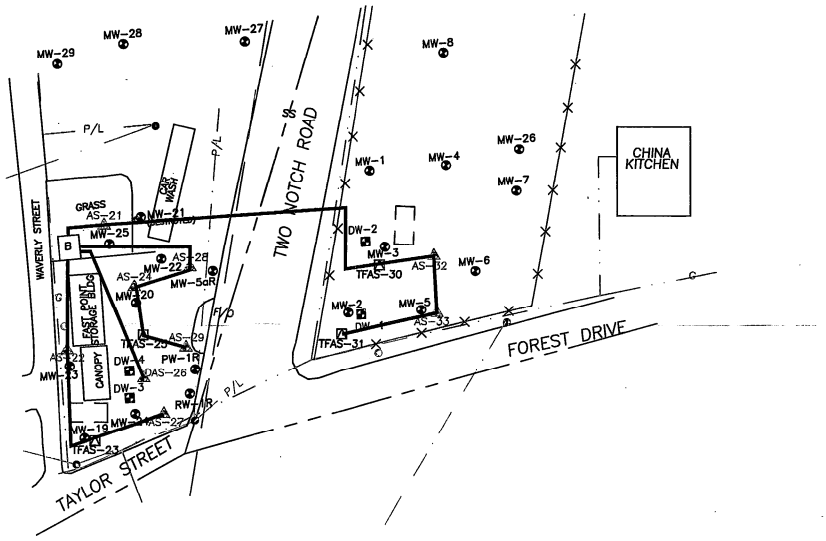
	PROJECT No.: 05-11-201A
	LOCATION: COLUMBIA, SOUTH CAROLINA

FIGURE 10A
PROPOSED TFR, AS, AND TFAS
WELL LOCATION MAP



LEGEND

- MONITORING WELL
- PROPOSED MONITORING WELL
- DEEP WELL
- AIR SPARGE WELL
- TFR AIR SPARGE COMBO
- SYSTEM COMPOUND
- SOIL BORING
- SURFACE WATER SAMPLE
- FORMER UST PIT
- STORM DRAIN DROP INLET
- TELEPHONE POLE
- BORDER
- CHAIN-LINK FENCE
- P/L — OVERHEAD POWER LINE
- F/O — FIBER OPTIC
- G — GAS LINE
- SS — SANITARY SEWER LINE
- W — WATER LINE
- S — STORM SEWER LINE
- TREES

0 80 160

APPROXIMATE SCALE IN FEET

CAD FILE = C05-11-201B

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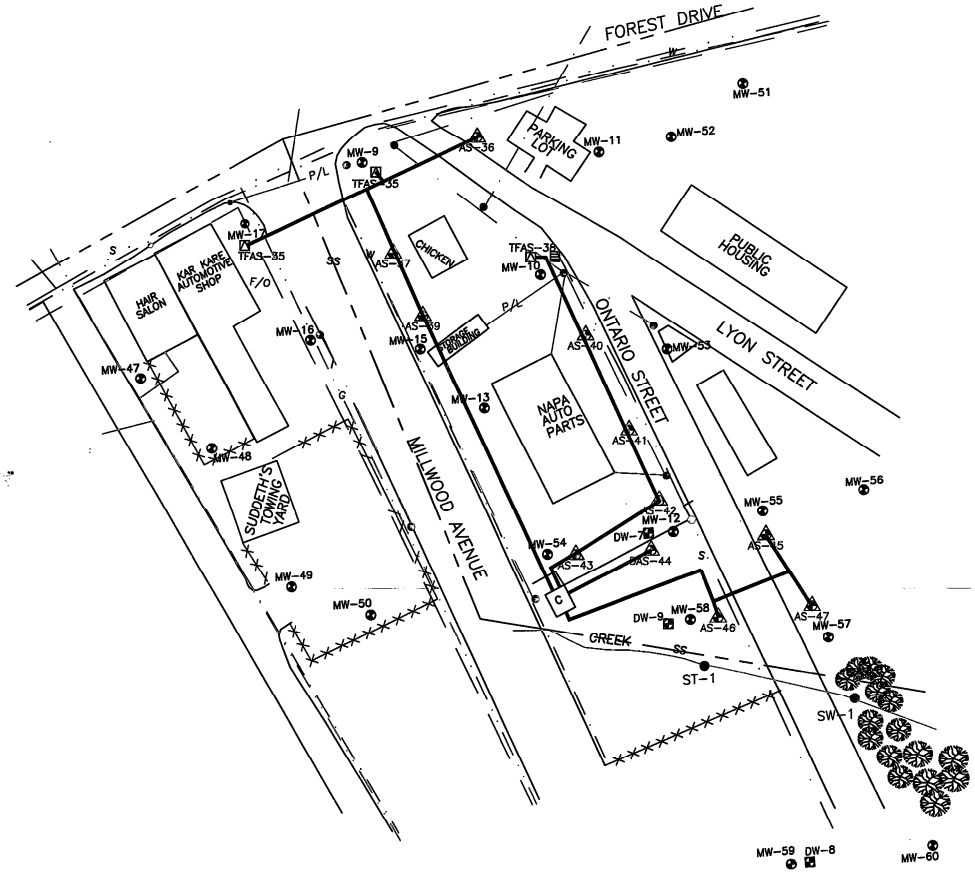
Delivering innovative solutions to today's environmental concerns	PROJECT: CLOUDS CHEVRON UST#07777	
	PROJECT No.: 05-11-201B	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 10B
PROPOSED TFR, AS, AND TFAS
WELL LOCATION MAP



LEGEND

- MONITORING WELL
- PROPOSED MONITORING WELL
- DEEP WELL
- AIR SPARGE WELL
- TFR AIR SPARGE COMBO
- SYSTEM COMPOUND
- SOIL BORING
- SURFACE WATER SAMPLE
- FORMER UST PIT
- STORM DRAIN DROP INLET
- TELEPHONE POLE
- BORDER
- CHAIN-LINK FENCE
- OVERHEAD POWER LINE
- FIBER OPTIC
- GAS LINE
- SANITARY SEWER LINE
- WATER LINE
- STORM SEWER LINE
- TREES

0 80 160

APPROXIMATE SCALE IN FEET

CAD FILE = C05-11-201C

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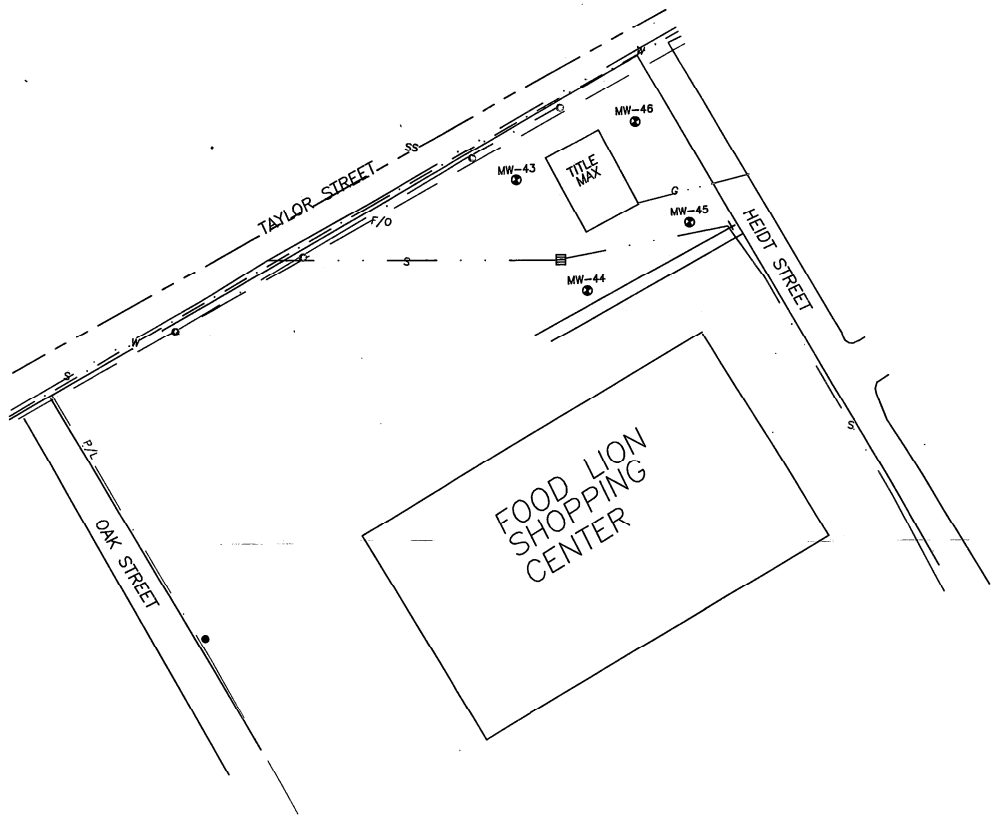
	PROJECT:HANDY PANTRY#65,UST# 07584	
	PROJECT: CLOUDS CHEVRON UST#07777	
	PROJECT No.: 05-11-201C	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 10C
PROPOSED TFR, AS, AND TFAS
WELL LOCATION MAP



LEGEND

- MONITORING WELL
- PROPOSED MONITORING WELL
- DEEP WELL
- SOIL BORING
- SURFACE WATER SAMPLE
- FORMER UST PIT
- STORM DRAIN DROP INLET
- TELEPHONE POLE
- BORDER
- CHAIN-LINK FENCE
- P/L OVERHEAD POWER LINE
- F/O FIBER OPTIC
- G GAS LINE
- SS SANITARY SEWER LINE
- W WATER LINE
- S STORM SEWER LINE
- TREES

0 80 160

APPROXIMATE SCALE IN FEET

CAD FILE = C05-11-201D

CONSULTECH ENVIRONMENTAL, INC. Environmental Consulting and Engineering © 1999 Delivering innovative solutions to today's environmental concerns	DRAWN: SRC	DATE: 11/30/05
	PROJECT:HANDY PANTRY#65,UST# 07584	
	PROJECT: CLOUDS CHEVRON UST#07777	
	PROJECT No.: 05-11-201D	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 10D
PROPOSED TFR, AS, AND TFAS
WELL LOCATION MAP

Appendix B

TABLES

Table of Current CoC Concentrations in Groundwater

CoC concentrations requiring reduction in parts per billion (µg/l) based on April 19-21 and May 17-18, 2005 sampling and gauging:

Table A- BTEX, Naphthalene, MtBE, EDB

Well	Free Product Thickness	Benzene	Toluene	Ethlybenzene	Xylene	Naphth.	MtBE	EDB
MW-1	NA	<1	<1	<1	<1	<5	<1	<0.02
MW-2	NA	4230	9910	1250	8540	1410	4910	<0.02
MW-3	0.43'	5620	14,200	2940	7530	910	10,900	<0.02
MW-4	NA	<1	<1	<1	<1	<5	2.6	<0.02
MW-5	NA	1140	4790	1940	10,400	570	13	2.81
MW-6	NA	16.1	1.5	<1	119	7.1	<1	<0.02
MW-7	NA	<1	<1	<1	<1	<5	<1	<0.02
MW-8	NA	<1	<1	<1	<1	<5	<1	<0.02
MW-9	NA	2280	9010	773	5230	900	34.3	<0.02
MW-10	0.79'	6200	23,800	3320	33,200	1440	890	<0.02
MW-11	NA	34.5	20	2	8	<5	<1	<0.02
MW-12	NA	8550	4000	1460	2640	314	69	0.10
MW-13	NA	<1	<1	<1	<1	<5	<1	<0.02
MW-15	NA	565	1950	617	3760	859	5.6	<0.02
MW-16	NA	<1	1.6	<1	7.7	<5	<1	<0.02
MW-17	NA	4720	32,600	4440	23,700	620	2.2	<0.02
MW-18	0.02'	6910	17,400	2530	13,800	1580	8920	11.2
MW-19	NA	18,200	63,600	2980	16,300	2290	962	24.1
MW-20	NA	12,800	23,400	1630	12,400	1430	18,000	<0.02
MW-22	NA	800	3640	126	760	148	1800	0.04
MW-23	NA	1770	1250	195	1650	140	1390	<0.02
MW-24	NA	1340	1520	98	1730	66.5	610	26.3
MW-25	NA	6900	41,800	7800	45,600	3180	17.7	<0.02
MW-26	NA	<1	<1	<1	<1	<5	<1	<0.02
MW-27	NA	<1	<1	<1	<1	<5	<1	11.1
MW-28	NA	<1	<1	<1	<1	<5	<1	5.17
MW-29	NA	<1	<1	<1	<1	<5	<1	<0.02
MW-30	NA	<1	<1	<1	<1	<5	<1	<0.02
MW-31	NA	227	251	261	450	82.9	2.2	<0.02
MW-32	NA	264	740	406	2440	176	<5	<0.02
MW-33	NA	3860	7820	938	4660	164	25.6	<0.02
MW-34	NA	2020	9180	1840	10,300	1060	<1	<0.02
MW-35	NA	4090	4060	296	1590	238	1730	0.03
MW-36	NA	302	621	165	427	29.4	3.7	0.48
MW-37	NA	764	1750	780	1870	158	<1	2.01
MW-38	NA	<1	<1	<1	<1	<5	<1	<0.02
MW-39	NA	3680	23,200	3050	16,800	2120	66	<0.02
MW-40	NA	1940	7660	3880	5220	1140	1.8	<0.02
MW-41	NA	869	8580	462	2370	182	<1	1.98
MW-42	NA	16	2460	546	2980	124	<1	1.15
MW-43	NA	<1	<1	<1	<1	<5	<1	<0.02
MW-44	NA	<1	<1	<1	<1	<5	<1	<0.02
MW-45	NA	<1	<1	<1	<1	<5	<1	<0.02
MW-46	NA	<1	<1	<1	<1	<5	<1	<0.02
MW-47	NA	5.8	<1	<1	7.5	<5	<1	<0.02
MW-48	NA	<1	<1	<1	<1	<5	<1	<0.02

UST # 07584, Handy Pantry # 65/ University Mart
UST # 07777/ UST # 12352, Cloud's Chevron
Richland County

Well	Free Product Thickness	Benzene	Toluene	Ethlybenzene	Xylene	Naphth.	MtBE	EDB
MW-49	NA	<1	<1	<1	<1	<5	<1	<0.02
MW-50	NA	<1	<1	<1	<1	<5	<1	<0.02
MW-51	NA	<1	<1	<1	<1	<5	<1	<0.02
MW-52	NA	<1	<1	<1	<1	<5	<1	<0.02
MW-53	NA	1.3	<1	<1	<1	<5	<1	<0.02
MW-54	NA	139	<1	<1	2.8	<5	14.8	<0.02
MW-55	NA	213	<1	5.8	<1	16.9	329	<0.02
MW-56	NA	<1	<1	<1	<1	<5	<1	<0.02
MW-57	NA	8390	5400	1170	4390	240	1590	0.05
MW-58	NA	5920	162	380	159	218	442	<0.02
MW-59	NA	<1	<1	<1	<1	<5	<1	<0.02
MW-60	NA	1	<1	<1	<1	<5	<1	<0.02
MW-61	NA	<1	<1	<1	<1	<5	<1	<0.02
MW-62	NA	<1	<1	<1	<1	<5	<1	<0.02
MW-63	NA	<1	<1	<1	<1	<5	<1	<0.02
MW-64	NA	2460	76.6	382	48.8	151	444	0.025
MW-65'	NA	2860	2610	1760	1720	745	43.7	0.26
MW-66	NA	3.8	2.3	5.2	318	80.1	<1	<0.02
MW-67	NA	<1	<1	<1	2.6	<5	<1	<0.02
MW-68	NA	6.6	<1	<1	<1	<5	<1	<0.02
MW-69	NA	<1	<1	<1	<1	<5	<1	<0.02
MW-70	NA	<1	<1	<1	<1	<5	<1	<0.02
MW-5aR	NA	2250	3100	1500	7740	796	2500	<0.02
PW-1R	NA	2740	2640	732	2460	250	2040	<0.02
RW-1R	NA	9700	17,000	2800	7150	932	3100	4.32
DW-1	NA	<1	<1	<1	<1	<5	<1	<0.02
DW-2	NA	3.1	6.7	1.1	5.8	<5	4.8	<0.02
DW-3	NA	6350	4600	265	2400	86.7	5350	1.08
DW-4	NA	74	380	102	524	48	11.5	1.46
DW-5	NA	2.8	6.4	1.4	1.8	<5	<1	<0.02
DW-6	NA	<1	3.2	<1	3.2	<5	<1	0.11
DW-7	NA	87	69.4	11.2	33.1	8	17.2	<0.02
DW-8	NA	<1	<1	<1	<1	<5	<1	<0.02
DW-9	NA	6.8	1.5	<1	<1	<5	<1	NM
SW-1	NA	200	38.1	11.7	28.8	<5	143	<0.02

* CoC concentations may vary due to seasonal fluctuations in the groundwater.
The above analytical data is provided for informational purposes. Baseline CoC concentrations will be set at the levels detected after the removal of Free Phase Product.

UST # 07584, Handy Pantry # 65/ University Mart
UST # 07777/ UST # 12352, Cloud's Chevron
Richland County

Table B- Oxygenates

Well	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE
MW-1	<1	<1	45.4	<100	56.4	<10	<10	<5
MW-2	<1	114	1380	<100	11,000	<10	1650	319
MW-3	<5	120	1200	<500	15,200	<50	2490	810
MW-4	<1	<1	<10	<100	<10	<10	<10	<5
MW-5	<1	<1	<10	<100	920	<10	558	<5
MW-6	<1	<1	38.5	<100	391	<10	104	<5
MW-7	<1	<1	<10	<100	<10	<10	<10	<5
MW-8	<1	<1	<10	<100	<10	<10	<10	<5
MW-9	<1	17.3	130	<100	3950	<10	463	120
MW-10	<20	300	834	<2000	22,400	<200	4180	2280
MW-11	<1	<1	26.5	<100	1540	<10	176	<5
MW-12	<1	91.3	191	<100	9840	<10	730	816
MW-13	<1	<1	<10	<100	<10	<10	<10	<5
MW-15	<1	<1	36.3	<100	957	<10	192	<5
MW-16	<1	<1	<10	<100	171	<10	16.7	<5
MW-17	<1	<1	97.8	<100	13,800	<10	1260	55.1
MW-18	<1	759	1170	<100	28,800	<10	4900	2040
MW-19	<1	607	1740	<100	9730	<10	4040	2910
MW-20	<10	641	3920	<1000	14,600	<100	2950	2200
MW-22	<20	788	484	<2000	5540	<200	872	2420
MW-23	<1	83	<10	<100	5210	<10	777	314
MW-24	<1	60	<10	<100	4890	<10	1150	449
MW-25	<1	<1	<10	<100	<10	<10	<10	154
MW-26	<1	<1	<10	<100	<10	<10	<10	<5
MW-27	<1	<1	<10	<100	<10	<10	<10	<5
MW-28	<1	<1	<10	<100	<10	<10	<10	<5
MW-29	<1	<1	<10	<100	<10	<10	<10	<5
MW-30	<1	<1	<10	<100	<10	<10	<10	<5
MW-31	<1	<1	<10	<100	1100	<10	329	<5
MW-32	<5	<5	202	<500	3220	<50	347	<25
MW-33	<1	65.5	<10	<100	13,100	<10	1190	392
MW-34	<1	<1	<10	<100	<10	<10	779	34.1
MW-35	<10	286	536	<1000	11,400	<100	2010	1200
MW-36	<1	<1	<10	<100	2000	<10	326	<5
MW-37	<1	2.4	<10	<100	1420	<10	1100	14.2
MW-38	<1	<1	<10	<100	<10	<10	<10	<5
MW-39	<20	<20	<200	<2000	2180	<200	1920	<100
MW-40	<1	17.7	<10	1130	630	<10	1290	183
MW-41	<1	1.6	<10	<100	<10	<10	130	19.3
MW-42	<1	<1	<10	<100	<10	<10	82.4	<5
MW-43	<1	<1	<10	<100	<10	<10	<10	<5
MW-44	<1	<1	<10	<100	<10	<10	<10	<5
MW-45	<1	<1	<10	<100	<10	<10	<10	<5
MW-46	<1	<1	<10	<100	<10	<10	<10	<5
MW-47	<1	<1	54.2	<100	3710	<10	369	<5
MW-48	<1	<1	<10	<100	49.9	<10	<10	<5
MW-49	<1	<1	<10	<100	<10	<10	<10	<5
MW-50	<1	<1	<10	<100	<10	<10	<10	<5
MW-51	<1	<1	<10	<100	<10	<10	<10	<5
MW-52	<1	<1	<10	<100	<10	<10	<10	<5
MW-53	<1	<1	19.9	<100	533	<10	75.9	<5
MW-54	<1	5.2	<10	<100	263	<10	17.5	29

UST # 07584, Handy Pantry # 65/ University Mart
UST # 07777/ UST # 12352, Cloud's Chevron
Richland County

Well	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE
MW-55	<1	11.2	129	<100	724	<10	59.2	63.4
MW-56	<1	<1	<10	<100	<10	<10	<10	<5
MW-57	<1	129	<10	<100	<10	<10	344	786
MW-58	<1	<1	<10	<100	9900	<10	288	480
MW-59	<1	<1	<10	<100	<10	<10	<10	<5
MW-60	<1	<1	<10	<100	<10	<10	<10	<5
MW-61	<10	<10	<10	<20	<10	<20	<10	<5
MW-62	<10	<10	<10	<20	<10	<20	<10	<5
MW-63	<10	<10	<10	<20	<10	<20	<10	<5
MW-64	<10	23	100	<20	1300	<20	<10	100
MW-65	<100	<100	<100	<200	1100	<200	<100	45
MW-66	<10	<10	<10	<20	<10	<20	<10	<5
MW-67	<10	<10	<10	<20	<10	<20	<10	<5
MW-68	<10	<10	<10	<20	<10	<20	<10	<5
MW-69	<10	<10	<10	<20	<10	<20	<10	<5
MW-70	<10	<10	<10	<20	<10	<20	<10	<5
MW-5aR	<20	1430	608	<2000	5120	<200	1100	3240
PW-1R	<1	171	<10	<100	8380	<10	1210	636
RW-1R	<20	1080	1470	<2000	14,500	<200	3320	3840
DW-1	<1	<1	<10	<100	<10	<10	<10	17.4
DW-2	<1	<1	<10	<100	<10	<10	<10	<5
DW-3	<1	360	1810	<100	11,700	<10	<10	1430
DW-4	<5	<5	<50	<500	<150	<50	<50	<25
DW-5	<1	<1	<10	<100	<10	<10	<10	<5
DW-6	<1	<1	<10	<100	<10	<10	<10	<5
DW-7	<1	3.3	<10	<100	<10	<10	35.8	14.5
DW-8	<1	<1	<10	<100	<10	<10	<10	<5
SW-1	<1	11	37	<100	422	<10	38.9	67.2

* CoC concentations may vary due to seasonal fluctuations in the groundwater.
The above analytical data is provided for informational purposes. Baseline CoC concentrations will be set at the levels detected after the removal of Free Phase Product.

UST # 07584, Handy Pantry # 65/ University Mart
UST # 07777/ UST # 12352, Cloud's Chevron
Richland County

Table of SSTLs

Site-specific target levels (SSTLs) for interim payment under this solicitation in parts per billion (µg/l).

Table C- BTEX, Naphthalene, and MtBE SSTLs

Well	Benzene	Toluene	Ethlybenzene	Xylene	Naphth.	MtBE	EDB
MW-2	77	9910*	1250*	8540*	91	1256	0.02**
MW-3	111	14,200*	2940*	7530*	108	1976	0.02**
MW-5	87	4790*	1940*	10,400*	96	13*	2.81*
MW-6	16.1*	1.5*	1**	119*	7.1*	1**	0.02**
MW-9	35	7134	773*	5230*	68	34.3*	0.02**
MW-10	24	23,800*	3320*	19,421	53	294	0.02**
MW-11	34.5*	20*	2*	8*	5**	1**	0.02**
MW-12	9	4000*	1460*	2640*	33	69*	0.1*
MW-15	16	1950*	617*	3760*	45	5.6*	0.02*
MW-17	32	6631	4440*	23,700*	66	2.2*	0.02**
MW-18	40	17,400*	2530*	13,800*	348	4260	8.06
MW-19	54	11,081	2980*	16,300*	86	962*	8
MW-20	83	17,249	1630*	12,400*	108	18,000*	0.02**
MW-22	90	3640*	126*	760*	112	1800*	0.04*
MW-23	72	1250*	195*	1650*	100	1390*	0.02*
MW-24	54	1520*	98*	1730*	66.5*	610*	8
MW-25	104	21,535	7800*	45,600*	121	17.7*	0.02**
MW-31	110	251*	261*	450*	82.9*	2.2*	0.02**
MW-32	71	740*	406*	2440*	176*	5**	0.02**
MW-33	53	7820*	938*	4660*	164*	25.6*	0.02**
MW-34	35	9180*	1840*	10,300*	301	1**	0.02**
MW-35	56	4060*	296*	1590*	238*	1730*	0.03*
MW-36	85	621*	165*	427*	29.4*	3.7*	0.48*
MW-37	90	1750*	780*	1870*	158*	1**	2.01*
MW-39	90	23,200*	3050*	16,800*	978	66*	0.02**
MW-40	113	7660*	3880*	5220*	1140*	1.8*	0.02**
MW-41	257	8580*	462*	2370*	182*	1**	1.98*
MW-42	16*	2460*	546*	2980*	124*	1**	1.15*
MW-47	5.8*	1**	1**	7.5*	5**	1**	0.02**
MW-54	7	1**	1**	2.8*	5**	14.8*	0.02**
MW-55	11	1**	5.8*	1**	16.9*	103	0.02**
MW-57	6	1944	969	4390*	28	54	0.05*
MW-58	6	162*	380*	159*	27	51	0.02**
MW-64	345	76.6*	382*	48.8*	151*	444*	0.025*
MW-65	326	2610*	1760*	1720*	745*	43.7*	0.26*
MW-66	3.8*	2.3*	5.2*	318*	80.1*	1**	0.02**
MW-5aR	83	3100*	1500*	7740*	108	2500*	0.02**
RW-1R	54	11,081	2800*	7150*	86	3100*	4.32*
DW-3	45	4600*	265*	2400*	86.7*	5350*	1.08*
DW-4	48	380*	102*	524*	48*	11.5*	1.46*
DW-7	7	69.4*	11.2*	33.1*	8*	17.2*	0.02**
DW-9	6	1.5*	1**	1**	5**	1**	0.05

* Laboratory analysis is less than calculated SSTL. SSTL is set equal to laboratory analysis.
** Laboratory analysis is below detection limit. SSTL is set equal to detection limit.

UST # 07584, Handy Pantry # 65/ University Mart
UST # 07777/ UST # 12352, Cloud's Chevron
Richland County

Table D- Oxygenate SSTLs

Well	ETBE	TAME	TBA	Ethanol	TAA	TBF	ETBA	DIPE
MW-2	1**	114*	1380*	100**	1900	10**	1650*	319*
MW-3	5**	120*	1200*	500**	2499	10**	2490*	810*
MW-5	1**	1**	10**	100**	920*	10**	558*	5**
MW-6	1**	1**	38.5*	100**	391*	10**	104*	5**
MW-9	1**	17.3*	130*	100**	809	10**	463*	120*
MW-10	20**	300*	834*	2000**	793	200**	4180*	2280*
MW-11	1**	1**	26.5*	100**	1244	10**	176*	5**
MW-12	1**	91.3*	191*	100**	376	10**	730*	782
MW-15	1**	1**	36.3*	100**	492	10**	192*	5**
MW-17	1**	1**	97.8*	100**	773	10**	1260*	55.1*
MW-18	1**	759*	1170*	100**	938	10**	4900*	2040*
MW-19	1**	320	1740*	100**	1065	10**	4040*	2910*
MW-20	10*	381	3920*	1000**	1403	100**	2950*	2200*
MW-22	20**	392	484*	2000**	1469	200**	872*	2420*
MW-23	1**	83*	10**	100**	1279	10**	777*	314*
MW-24	1**	60*	10**	100**	1065	10**	1150*	449*
MW-25	1**	1**	10**	100**	10**	10**	10**	154*
MW-31	1**	1**	10**	100**	1100*	10**	329*	5**
MW-32	5**	5**	202*	500**	1377	50**	347*	25**
MW-33	1**	65.5*	10**	100**	1136	10**	1190*	392*
MW-34	1**	1**	10**	100**	10**	10**	779*	34.1*
MW-35	10**	286*	536*	1000**	1181	100**	2010*	1200*
MW-36	1**	1**	10**	100**	1546	10**	326*	5**
MW-37	1**	2.4*	10**	100**	1420*	10**	1100*	14.2*
MW-39	20**	20**	200**	2000**	1607	200**	1920*	100**
MW-40	1**	17.7*	10**	1130*	630*	10**	1290*	183*
MW-41	1**	1.6*	10**	100**	10**	10**	130*	19.3*
MW-42	1**	1**	10**	100**	10**	10**	82.4*	5**
MW-47	1**	1**	54.2*	100**	739	10**	369*	5**
MW-53	1**	1**	19.9*	100**	533*	10**	75.9*	5**
MW-54	1**	5.2*	10**	100**	263*	10**	17.5*	29*
MW-55	1**	11.2*	129*	100**	423	10**	59.2*	63.4*
MW-57	1**	129*	10**	100**	10**	10**	344*	290
MW-58	1**	1**	10**	100**	279	10**	288*	260
MW-64	10**	23*	100*	20**	1300*	20**	10**	100*
MW-65	100**	100**	100**	200**	1100*	200**	100**	45*
MW-66	10**	10**	10**	20**	10**	20**	10**	5**
MW-5aR	20**	381	608*	2000**	1403	200**	1100*	3240*
PW-1R	1**	171*	10**	100**	1114	10**	1210*	636*
RW-1R	20**	320	1470*	2000**	1065	200**	3320*	3840*
DW-3	1**	360*	1810*	100**	1065	10**	10**	1430*
DW-4	5**	5**	50**	500**	150**	50**	50**	25**
DW-7	1**	3.3*	10**	100**	10**	10**	35.8*	14.5*

* Laboratory analysis is less than calculated SSTL. SSTL is set equal to laboratory analysis.
** Laboratory analysis is below detection limit. SSTL is set equal to detection limit.

TABLE 1

Well Construction Details andGroundwater Elevation Data (ft)

Handy Pantry #65 & Clouds Chevron

Columbia, SC - USTs #07584 & #07777

Monitoring Well	Date	Depth to Screen Below Ground Surface	TOC Elevation	Depth to Product from TOC	Depth to Water from TOC	Groundwater Elevation	
MW-1	12/30/03	17.0-27.0	104.67		21.45	83.22	
	02/08/05		93.89		22.95	70.94	
	04/19/05		93.89		22.89	71.00	
MW-2	12/30/03	20.0-30.0	105.5		23.30	82.19	
	02/08/05		94.7		24.13	70.57	
	04/19/05		94.7		24.08	70.62	
MW-3	12/30/03	19.0-29.0	105.22		23.44	81.78	
	02/08/05		94.45	23.30	30.04	64.41	
	04/19/05		94.45	23.70	24.13	70.32	0.43'
MW-4	12/30/03	18.0-28.0	105.64		21.29	84.35	
	02/08/05		94.85		22.34	72.51	
	04/19/05		94.85		22.89	71.96	
MW-5	12/30/03	16.0-26.0	105.59		22.92	82.67	
	04/19/05		95.26		23.58	71.68	
MW-6	12/30/03	20.0-30.0	105.77		23.55	82.22	
	02/08/05		94.96		24.43	70.53	
	04/19/05		94.96		24.30	70.66	
MW-7	12/30/03	20.0-30.0	106.76		23.59	83.17	
	02/08/05		95.93		24.54	71.39	
	04/19/05		95.93		24.52	71.41	
MW-8	12/30/03	18.5-28.5	105.57		20.28	85.29	
	02/08/05		94.79		21.93	72.86	
	04/19/05		94.79		21.90	72.89	
MW-9	12/30/03	20.0-30.0	103.77	22.74	22.75	81.02	
	04/19/05		92.3		23.54	68.76	
MW-10	12/30/03	18.0-28.0	97.38		17.44	79.94	
	02/08/05		85.98	17.85	18.98	67.00	
	04/19/05		85.98	17.73	18.52	67.46	0.79'

Monitoring Well	Date	Depth of Screen Below Ground Surface	TOC Elevation	Depth to Product from TOC	Depth to Water from TOC	Groundwater Elevation
MW-11	12/30/03		99.81		19.57	80.24
	02/08/05		88.46		20.36	68.10
	04/19/05		88.46		20.17	68.29
MW-12	12/30/03		84.16		4.75	79.41
	02/08/05		72.8		5.57	67.23
	04/19/05		72.8		5.25	67.55
MW-13	12/30/03		92.24		12.18	80.06
	02/08/05		80.44		12.17	68.27
	04/21/05		80.44		12.05	68.39
MW-15	12/30/03	15.0-25.0	97.9	17.56	17.58	80.29
	02/08/05		86.44	18.31	18.34	68.10
	04/21/05		86.44		18.14	68.30
MW-16	12/30/03	15.0-25.0	99.57		18.95	80.62
	02/08/05		88.19		19.87	68.32
	04/21/05		88.19		19.60	68.59
MW-17	12/30/03	20.0-30.0	103.95		23.74	80.21
	02/08/05		92.45		24.42	68.03
	04/21/05		92.45		24.20	68.25
MW-18	12/30/03	20.0-30.0	106.29	25.48	25.72	80.57
	02/08/05		94.81	26.45	26.76	68.05
	04/19/05		94.81	26.26	26.28	68.53
MW-19	12/30/03	20.0-30.0	105.45		24.59	80.86
	02/08/05		93.96		25.52	68.44
	04/21/05		93.96		25.00	68.96
MW-20	12/30/03	15.0-25.0	106.04		23.05	82.99
	02/08/05		94.12		24.00	70.12
	04/21/05		94.12		23.51	70.61
MW-21	12/30/03	15.0-25.0	103.87		21.03	82.84
	04/21/05		Destroyed			Destroyed
MW-22	12/30/03	20.0-30.0	105.61		22.36	83.25
	02/08/05		94.25	23.25	23.28	70.97
	04/21/05		94.25		22.78	71.47
MW-23	12/30/03	20.0-30.0	105.52		24.82	80.70
	02/08/05		94.43		25.80	68.63
	04/21/05		94.43		25.32	69.11

0.02'

Monitoring Well	Date	Depth of Screen Below Ground Surface	TOC Elevation	Depth to Product from TOC	Depth to Water from TOC	Groundwater Elevation
MW-24	12/30/03	20.0-30.0	105.34		23.88	81.46
	02/08/05		93.94		24.80	69.14
	04/21/05		93.94		24.35	69.59
MW-25	12/30/03		103.68		21.23	82.45
	02/08/05		93.09		22.35	70.74
	04/21/05		93.09		21.89	71.20
MW-26	12/30/03		106.56		20.50	86.06
	04/21/05		95.96		23.36	72.60
MW-27	04/20/05	15.0-30.0	91.4		17.02	74.38
MW-28	04/20/05	15.0-30.0	91.46		18.87	72.59
MW-29	04/20/05	15.0-30.0	91.09		19.06	72.03
MW-30	04/20/05	15.0-30.0	92.77		22.86	69.91
MW-31	04/20/05	20.0-35.0	95.2		26.51	68.69
MW-32	04/20/05	15.0-30.0	92.87		23.66	69.21
MW-33	04/20/05	20.0-35.0	93.84		25.27	68.57
MW-34	04/20/05	20.0-35.0	94.77		26.11	68.66
MW-35	04/20/05	20.0-35.0	93.71		25.14	68.57
MW-36	04/20/05	20.0-35.0	93.89		24.96	68.93
MW-37	04/20/05	20.0-35.0	93.78		25.25	68.53
MW-38	04/20/05	20.0-35.0	95.53		26.78	68.75
MW-39	04/20/05	20.0-35.0	96.19		27.65	68.54
MW-40	04/20/05	20.0-35.0	95.69		27.31	68.38
MW-41	04/20/05	20.0-35.0	94.85		26.68	68.17
MW-42	04/20/05	20.0-35.0	95.81		27.53	68.28
MW-43	04/21/05	20.0-40.0	95.15		26.28	68.87
MW-44	04/21/05	16.0-31.0	94.57		25.03	69.54
MW-45	04/21/05	15.0-30.0	92.51		23.39	69.12
MW-46	04/21/05	20.0-35.0	94.5		25.71	68.79
MW-47	04/21/05	20.0-35.0	92.44		23.61	68.83
MW-48	04/21/05	15.0-30.0	89.95		20.75	69.20
MW-49	04/21/05	15.0-30.0	88.18		18.39	69.79
MW-50	04/21/05	15.0-30.0	84.09		15.15	68.94

Monitoring Well	Date	Depth of Screen Below Ground Surface	TOC Elevation	Depth to Product from TOC	Depth to Water from TOC	Groundwater Elevation
MW-51	04/21/05	20.0-35.0	93.91		24.66	69.25
MW-52	04/21/05	15.0-30.0	90.21		21.88	68.33
MW-53	04/21/05	5.0-20.0	79.6		11.55	68.05
MW-54	04/21/05	5.0-20.0	77.58		12.31	65.27
MW-55	04/21/05	4.0-14.0	71.22		4.88	66.34
MW-56	04/21/05	5.0-20.0	76.39		8.90	67.49
MW-57	04/21/05	4.0-14.0	67.2		1.41	65.79
MW-58	04/21/05	4.0-19.0	76.37		10.65	65.72
MW-59	04/21/05	2.0-17.0	68.02		4.64	63.38
MW-60	04/21/05	4.0-14.0	67.94		5.29	62.65
MW-5aR	04/20/05	18.0-28.0	94.18		22.68	71.50
PW-1R	04/20/05	45.0 - 50.0	93.75		25.16	68.59
RW-1R	04/20/05	9.0-29.0	93.66		24.69	68.97
DW-1	12/30/03 04/21/05	65.0 - 70.0	105.43 94.66		45.44 45.38	59.99 49.28
DW-2	12/30/03 04/21/05	70.0 - 75.0	104.82 94.02		44.67 44.55	60.15 49.47
DW-3	12/30/03 02/08/05 04/21/05	47.0 - 52.0	 93.75 93.75		24.54 24.95 25.27	 68.80 68.48
DW-4	04/21/05	105.0 - 110.0	93.79		42.68	51.11
DW-5	04/21/05	65.0 - 70.0	93.74		43.77	49.97
DW-6	04/21/05	65.0 - 70.0	95.9		46.38	49.52
DW-7	04/21/05	50.0 - 55.0	72.79		24.71	48.08
DW-8	04/21/05	50.0 - 55.0	68.63		21.21	47.42
DW-9	05/17/05	60.0 - 65.0	76.47		28.78	47.69
MW-61	05/17/05	20.0 - 35.0	91.00		21.25	69.75
MW-62	05/17/05	20.0 - 35.0	94.05		24.99	69.06
MW-63	05/17/05	20.0 - 35.0	94.65		26.41	68.24
MW-64	05/17/05	20.0 - 35.0	94.36		26.74	67.62
MW-65	05/17/05	20.0 - 35.0	94.04		26.46	67.58
MW-66	05/17/05	20.0 - 35.0	95.25		27.50	67.75
MW-67	05/17/05	20.0 - 35.0	96.10		27.72	68.38
MW-68	05/18/05	20.0 - 35.0	94.02		26.46	67.56
MW-69	05/18/05	20.0 - 35.0	94.36		26.85	67.51
MW-70	05/18/05	20.0 - 35.0	95.49		27.30	68.19

1) All TOC elevations relative to an arbitrary assigned datum of 93.97 feet onsite.

2) Corrected groundwater elevation = TOC - (measured water level - (0.78 x product thickness))

3) Screening depths are unknown for wells MW-11,MW-12,MW-13,MW-25,MW-26.

4) Wells MW-61 through MW-70 and DW-9 were tied into original survey by Consultech.

Table 3
BTEX and PNA Analytical Results (mg/kg)
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene
RBSL		*0.007*	*1.45*	*1.15*	*14.5*	*0.036*
MW-57	03/21/05	**0.120**	0.064	0.011	0.038	<0.004
MW-58	03/22/05	**0.481**	0.008	0.054	0.023	0.032
MW-56	03/21/05	<0.001	<0.001	<0.001	<0.001	<0.004
MW-54	03/22/05	**0.015**	<0.002	<0.002	<0.002	<0.006
MW-53	03/22/05	**0.017**	<0.002	<0.002	<0.002	<0.005
MW-52	03/23/05	<0.002	<0.002	<0.002	<0.002	<0.004
MW-45	03/24/05	<0.002	<0.002	<0.002	<0.002	<0.004
MW-43	03/24/05	<0.002	<0.002	<0.002	<0.002	<0.004
MW-47	03/31/05	<0.002	<0.002	<0.002	<0.002	<0.004
MW-49	03/31/05	<0.002	<0.002	<0.002	<0.002	<0.004
MW-28	03/31/05	<0.002	<0.002	<0.002	<0.002	<0.004
MW-33	03/30/05	**0.818**	**2.400**	0.292	1.450	**<0.192**
MW-32	03/30/05	**0.017**	0.331	0.553	1.920	**0.876**
MW-35	03/30/05	**0.032**	0.081	0.058	0.144	0.015
MW-36	03/30/05	**0.020**	0.053	0.025	0.100	**0.112**
MW-34	04/01/05	**<0.074**	0.466	0.174	0.954	**<0.185**
MW-37	04/01/05	**0.100**	0.066	0.072	0.111	0.035
MW-38	04/04/05	<0.002	<0.002	<0.002	<0.002	<0.005
MW-39	04/04/05	<0.002	0.006	<0.002	0.005	0.010
MW-41	04/04/05	**0.121**	0.660	0.172	0.693	**0.073**

Table 5
BTEX and PNA Groundwater Analytical Results (ug/l)
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777

Sample ID	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	EDB
RBSL		*5*	*1,000*	*700*	*10,000*	*40*	*25*	*NA*
MW-1	11/18/03	<1	1.3	<1	1.6	<1	<5	NS
	04/19/05	<1	<1	<1	<1	<1	<5	<1
MW-2	11/18/03	17,900	34,600	3,630	17,000	6,150	<250	NS
	04/19/05	4,230	9,910	1,250	8,540	4,910	1,410	<1
MW-3	10/27/03	11,300	72,500	3,980	20,800	20,200	870	NS
	04/19/05	5,620	14,200	2,940	7,530	10,900	910	<5
MW-4	11/18/03	<1	1.8	<1	2.8	1.2	<5	NS
	04/19/05	<1	<1	<1	<1	2.6	<5	<1
MW-5	10/27/03	779	968	336	2,020	89.5	1240	NS
	04/19/05	1,140	4,790	1,940	10,400	13	570	<1
MW-6	11/18/03	13.2	3.8	<1	66.5	<1	<5	NS
	04/19/05	16.1	1.5	<1	119.0	<1	7.1	<1
MW-7	11/18/03	<1	<1	<1	<1	<1	<5	NS
	04/19/05	<1	<1	<1	<1	<1	<5	<1
MW-8	11/18/03	<1	<1	<1	<1	<1	<5	NS
	04/19/05	<1	<1	<1	<1	<1	<5	<1
MW-9	11/18/03	.01' LPH	.01' LPH	.01' LPH	.01' LPH	.01' LPH	.01' LPH	NS
	04/19/05	2,280	9,010	773	5,230	34.3	900	<1
MW-10	11/18/03	.10' LPH	.10' LPH	.10' LPH	.10' LPH	.10' LPH	.10' LPH	NS
	04/19/05	6,200	23,800	3,320	33,200	890	1,440	422
MW-11	11/18/03	28.4	46.4	1.2	9.3	<1	<5	NS
	04/19/05	34.5	20.0	2.0	8.0	<1	<5	<1
MW-12	11/18/03	5,400	125	489	203	682	<50	NS
	04/21/05	8,550	4,000	1,460	2,640	69	314	<1
MW-13	11/18/03	120	<1	17	43	8	<5	NS
	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-15	11/18/03	.03' LPH	.03' LPH	.03' LPH	.03' LPH	.03' LPH	.03' LPH	NS
	04/19/05	565	1,950	617	3,760	5.6	859	<1
MW-16	11/18/03	436	300	66	244	<10	<50	NS
	04/21/05	<1	1.6	<1	7.7	<1	<5	<1
MW-17	11/18/03	.65' LPH	.65' LPH	.65' LPH	.65' LPH	.65' LPH	.65' LPH	NS
	04/21/05	4,720	32,600	4,440	23,700	2.2	620	<1
MW-18	10/29/03	.13' LPH	.13' LPH	.13' LPH	.13' LPH	.13' LPH	.13' LPH	NS
	04/20/05	6,910	17,400	2,530	13,800	8,920	1,580	<10
MW-19	10/29/03	.02' LPH	.02' LPH	.02' LPH	.02' LPH	.02' LPH	.02' LPH	NS
	04/20/05	18,200	63,600	2,980	16,300	962	2,290	<10

Sample ID	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	EDC
MW-20	10/29/03	24,200	38,600	2,760	12,800	6,300	1,050	NS
	04/20/05	12,800	23,400	1,630	12,400	18000	1430	<10
MW-21	10/29/03	18.9	240	537	3,830	<1	116	NS
	04/20/05	destroyed	destroyed	destroyed	destroyed	destroyed	destroyed	destroyed
MW-22	11/25/03	30,000	48,200	6,550	31,900	1,560	3,380	NS
	04/20/05	800	3,640	126	760	1,800	148	<20
MW-23	11/25/03	43,000	85,500	4,140	85,000	5,800	1,140	NS
	04/20/05	1,770	1,250	195	1,650	1,390	140	<10
MW-24	11/25/03	35,000	37,600	2,760	12,300	7,750	595	NS
	04/20/05	1,340	1,520	98	1,730	610	66.5	<5
MW-25	10/29/03	10,300	37,400	3,300	17,600	80.0	1,080	NS
	04/20/05	6,900	41,800	7,800	45,600	17.7	3,180	<1
MW-26	11/25/03	<1	<1	<1	<1	<1	<5	NS
	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-5a	10/27/03	376	960	510	2,560	<1	89.8	NS
MW-5aR	04/20/05	2,250	3,100	1,500	7,740	2,500	796	<20
PW-1	10/29/03	3,230	90	343	924	1,850	290	NS
PW-1R	04/20/05	2,740	2,640	732	2,460	2,040	250	<1
RW-1	10/29/03	.01' LPH	.01' LPH	.01' LPH	.01' LPH	.01' LPH	.01' LPH	NS
RW-1R	04/20/05	9,700	17,000	2,800	7,150	3,100	932	<20
MW-27	04/20/05	<1	1	<1	<1	<1	<5	<1
MW-28	04/20/05	<1	<1	<1	<1	<1	<5	<1
MW-29	04/20/05	<1	<1	<1	<1	<1	<5	<1
MW-30	04/20/05	<1	<1	<1	<1	<1	<5	<1
MW-31	04/20/05	227	251	261	450	2.2	82.9	<1
MW-32	04/21/05	264	740	406	2,440	<5	176	6.5
MW-33	04/20/05	3,860	7,820	938	4,660	25.6	164	<1
MW-34	04/20/05	2,020	9,180	1,840	10,300	<1	1,060	<1
MW-35	04/20/05	4,090	4,060	296	1,590	1,730	238	<10
MW-36	04/20/05	302	621	165	427	3.7	29.4	<1
MW-37	04/20/05	764	1,750	780	1,870	<1	158	<1
MW-38	04/20/05	<1	<1	<1	<1	<1	<5	<1
MW-39	04/20/05	3,680	23,200	3,050	16,800	66.0	2,120	<20
MW-40	04/20/05	1,940	7,660	3,880	5,220	1.8	1,140	<1
MW-41	04/20/05	869	8,580	462	2,370	<1	182	<1
MW-42	04/20/05	16.0	2,460	546	2,980	<1	124	<1
MW-43	03/24/05	<1	<1	<1	<1	<1	<5	<1
MW-43	04/21/05	<1	1	<1	<1	<1	<5	<1
MW-44	03/24/05	<1	<1	<1	<1	<1	<5	<1
MW-44	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-45	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-46	04/21/05	<1	<1	<1	<1	<1	<5	<1

Location	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	1,2 DCA
MW-47	04/21/05	5.8	<1	<1	7.5	<1	<5	<1
MW-48	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-49	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-50	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-51	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-52	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-53	04/21/05	1.3	<1	<1	<1	<1	<5	<1
MW-54	04/21/05	139	<1	<1	2.8	14.8	<5	<1
MW-55	04/21/05	213	<1	5.8	<1	329	16.9	18.6
MW-56	03/22/05	<1	<1	<1	<1	<1	<5	NS
	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-57	03/22/05	2,500	1,900	360	1,400	970	<50	NS
	04/21/05	8,390	5,400	1,170	4,390	1,590	240	<1
MW-58	04/21/05	5,920	162	380	159	442	218	<1
MW-59	03/22/05	<1	<1	<1	<1	<1	<5	NS
	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-60	04/21/05	1.0	<1	<1	<1	<1	<5	<1
DW-1	10/27/03	<1	4.1	1.7	9	<1	<5	NS
	04/20/05	<1	<1	<1	<1	<1	<5	<1
DW-2	10/27/03	2.0	1.6	<1	1.6	4.6	<5	NS
	04/20/05	3.1	6.7	1.1	5.8	4.8	<5	<1
DW-3	12/30/03	7,160	5,320	1,130	2,660	2,260	256	<1
	04/20/05	6,350	4,600	265	2,400	5,350	86.7	<1
DW-4	04/21/05	74.0	380	102	524	11.5	48.0	9.5
DW-5	04/21/05	2.8	6.4	1.4	1.8	<1	<5	1.9
DW-6	04/20/05	<1	3.2	<1	3.2	<1	<5	<1
DW-7	04/21/05	87.0	69.4	11.2	33.1	17.2	8.0	<1
DW-8	04/21/05	<1	<1	<1	<1	<1	<5	<1
Creek	11/18/03	<1	<1	<1	<1	1	<5	NS
SW-1	04/21/05	200	38.1	11.7	28.8	143	<5	4.7
ST-1	06/02/05	390	110	31.0	67.0	140	5.3	NS
DW-9	05/17/05	6.8	1.5	<1	<1	<1	<5	NS
MW-61	05/17/05	<1	<1	<1	<1	<1	<5	NS
MW-62	05/17/05	<1	<1	<1	<1	<1	<5	NS
MW-63	05/17/05	<1	<1	<1	<1	<1	<5	NS
MW-64	05/17/05	2,460	76.6	382	48.8	444	151	NS
MW-65	05/17/05	2,860	2,610	1,760	1,720	43.7	745	NS
MW-66	05/17/05	3.8	2.3	5.2	318	<1	80.1	NS
MW-67	05/17/05	<1	<1	<1	2.6	<1	<5	NS
MW-68	05/18/05	6.6	<1	<1	<1	<1	<5	NS
MW-69	05/18/05	<1	<1	<1	<1	<1	<5	NS
MW-70	05/18/05	<1	<1	<1	<1	<1	<5	NS

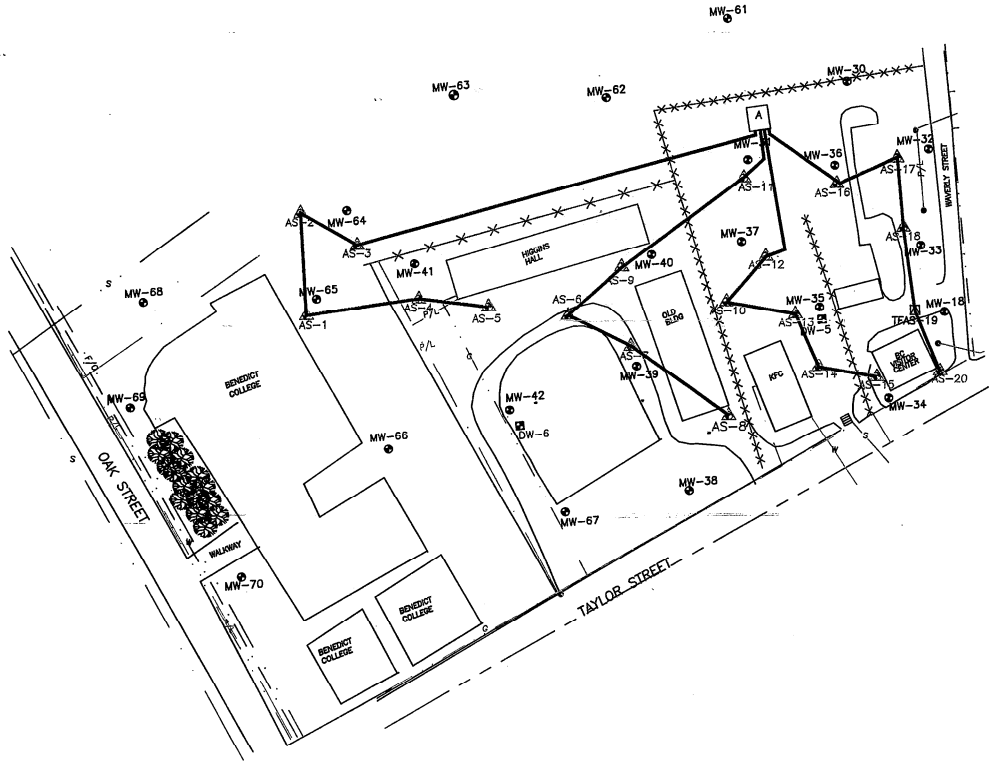
Sample Name	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	EDC
WS-1 31'	02/23/05	<1	1.4	1.3	6.7	<1	<5	NS
WS-2 26'	02/24/05	<1	<1	<1	<1	<1	<5	NS
WS-3 24'	02/24/05	<1	<1	<1	<1	<1	<5	NS
WS-4 14'	02/24/05	<1	<1	<1	<1	<1	<5	NS
WS-5 14'	02/24/05	972	<1	16.3	<1	516	39.2	NS
WS-6 24'	02/24/05	<1	<1	<1	2.4	<1	<5	NS
WS-7 28'	02/24/05	<1	<1	<1	<1	<1	<5	NS
WS-8 28'	02/24/05	<1	<1	<1	<1	<1	<5	NS
WS-9 28'	02/24/05	<1	<1	<1	<1	<1	<5	NS
WS-10 16'	02/24/05	4,300	113	93	148	506	142	NS

Appendix C

AIR SPARGE WELL CONSTRUCTION DIAGRAMS

and

TOTAL FLUID RECOVERY WELL CONSTRUCTION DIAGRAM



LEGEND

- MONITORING WELL
- PROPOSED MONITORING WELL
- DEEP WELL
- AIR SPARGE WELL
- TFR AIR SPARGE COMBO
- SYSTEM COMPOUND
- SOIL BORING
- SURFACE WATER SAMPLE
- FORMER UST PIT
- STORM DRAIN DROP INLET
- TELEPHONE POLE
- BORDER
- CHAIN-LINK FENCE
- OVERHEAD POWER LINE
- FIBER OPTIC
- GAS LINE
- SANITARY SEWER LINE
- WATER LINE
- STORM SEWER LINE
- TREES

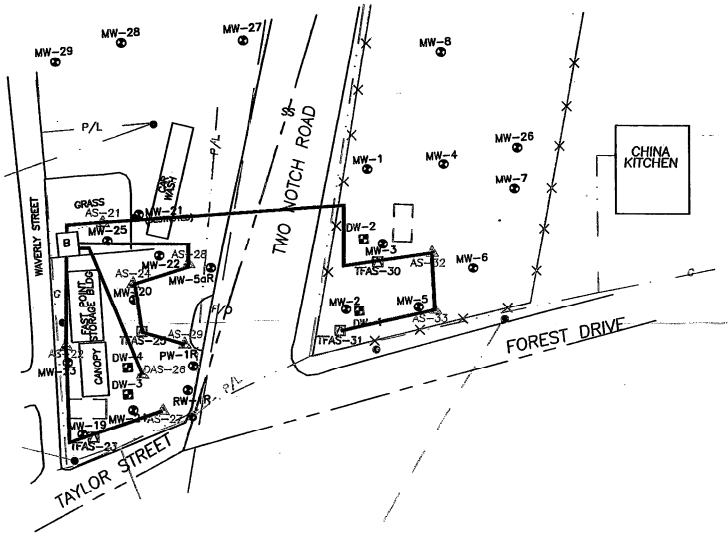
0 80 160

APPROXIMATE SCALE IN FEET

CAD FILE = C05-11-201A

CONSULTECH ENVIRONMENTAL, INC.	DRAWN: SRC DATE: 12/02/05
Environmental Consulting and Engineering © 1998	PROJECT:HANDY PANTRY#65,UST# 07584
Delivering innovative solutions to today's environmental concerns	PROJECT: CLOUDS CHEVRON UST#07777
	PROJECT No.: 05-11-201A
	LOCATION: COLUMBIA, SOUTH CAROLINA

FIGURE 10A
PROPOSED TFR, AS, AND TFAS
WELL LOCATION MAP



LEGEND

- MONITORING WELL
- PROPOSED MONITORING WELL
- DEEP WELL
- AIR SPARGE WELL
- TFR AIR SPARGE COMBO
- SYSTEM COMPOUND
- SOIL BORING
- SURFACE WATER SAMPLE
- FORMER UST PIT
- STORM DRAIN DROP INLET
- TELEPHONE POLE
- BORDER
- CHAIN-LINK FENCE
- OVERHEAD POWER LINE
- FIBER OPTIC
- GAS LINE
- SANITARY SEWER LINE
- WATER LINE
- STORM SEWER LINE
- TREES

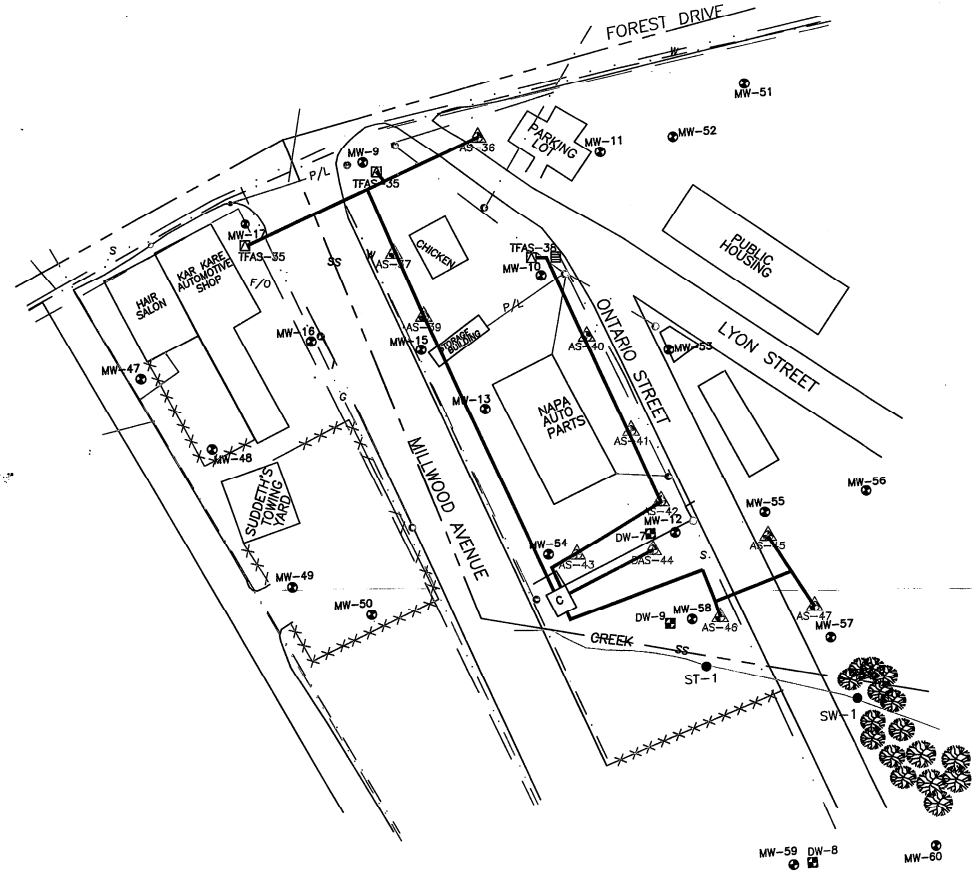
0 80 160

APPROXIMATE SCALE IN FEET

CAD FILE = C05-11-201B

CONSULTECH ENVIRONMENTAL, INC.	DRAWN: SRC	DATE: 12/02/05
Environmental Consulting and Engineering @ 1989	PROJECT:HANDY PANTRY#65,UST# 07584	
Delivering innovative solutions to today's environmental concerns	PROJECT: CLOUDS CHEVRON UST#07777	
	PROJECT No.: 05-11-201B	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 10B
PROPOSED TFR, AS, AND TFAS WELL LOCATION MAP



LEGEND

- MONITORING WELL
- PROPOSED MONITORING WELL
- DEEP WELL
- AIR SPARGE WELL
- TFR AIR SPARGE COMBO
- SYSTEM COMPOUND
- SOIL BORING
- SURFACE WATER SAMPLE
- FORMER UST PIT
- STORM DRAIN DROP INLET
- TELEPHONE POLE
- BORDER
- CHAIN-LINK FENCE
- OVERHEAD POWER LINE
- FIBER OPTIC
- GAS LINE
- SANITARY SEWER LINE
- WATER LINE
- STORM SEWER LINE
- TREES

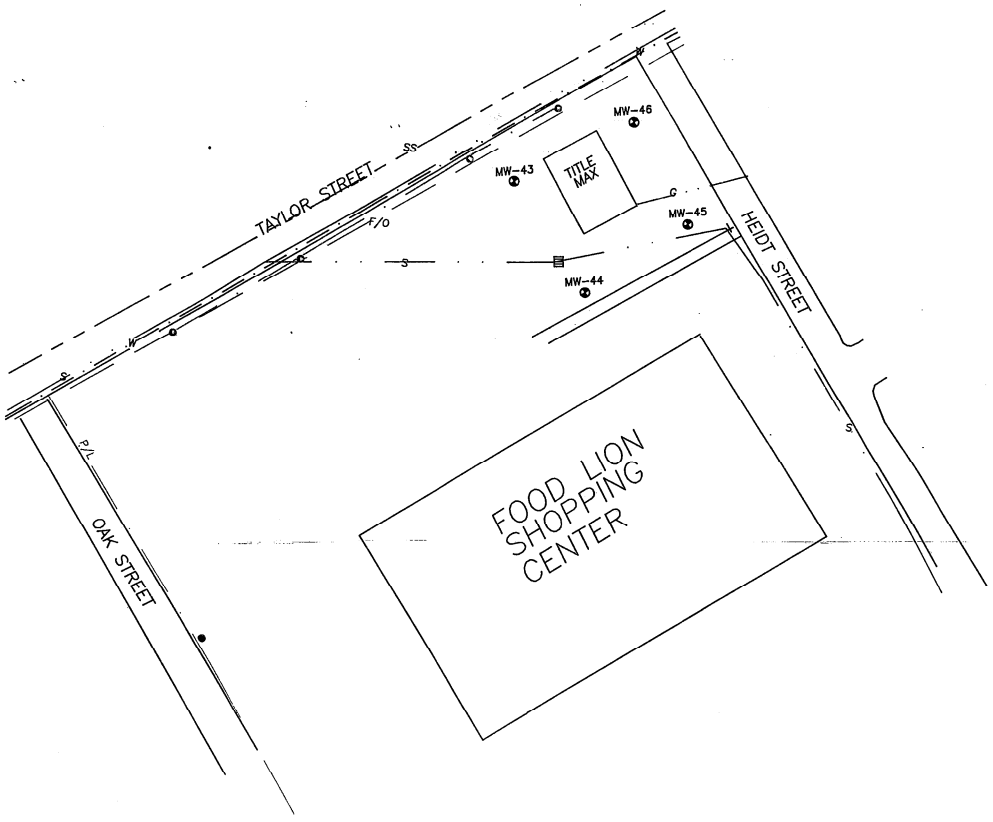
0 80 160

APPROXIMATE SCALE IN FEET

CAD FILE = C05-11-201C

CONSULTECH ENVIRONMENTAL, INC.	DRAWN: SRC	DATE: 12/02/05
Environmental Consulting and Engineering @ 1992	PROJECT:HANDY PANTRY#65,UST# 07584	
Delivering innovative solutions to today's environmental concerns	PROJECT: CLOUDS CHEVRON UST#07777	
	PROJECT No.: 05-11-201C	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 10C
PROPOSED TFR, AS, AND TFAS
WELL LOCATION MAP



LEGEND

- MONITORING WELL
- PROPOSED MONITORING WELL
- DEEP WELL
- SOIL BORING
- SURFACE WATER SAMPLE
- FORMER UST PIT
- STORM DRAIN DROP INLET
- TELEPHONE POLE
- BORDER
- CHAIN-LINK FENCE
- P/L OVERHEAD POWER LINE
- F/O FIBER OPTIC
- G GAS LINE
- SS SANITARY SEWER LINE
- W WATER LINE
- S STORM SEWER LINE
- TREES

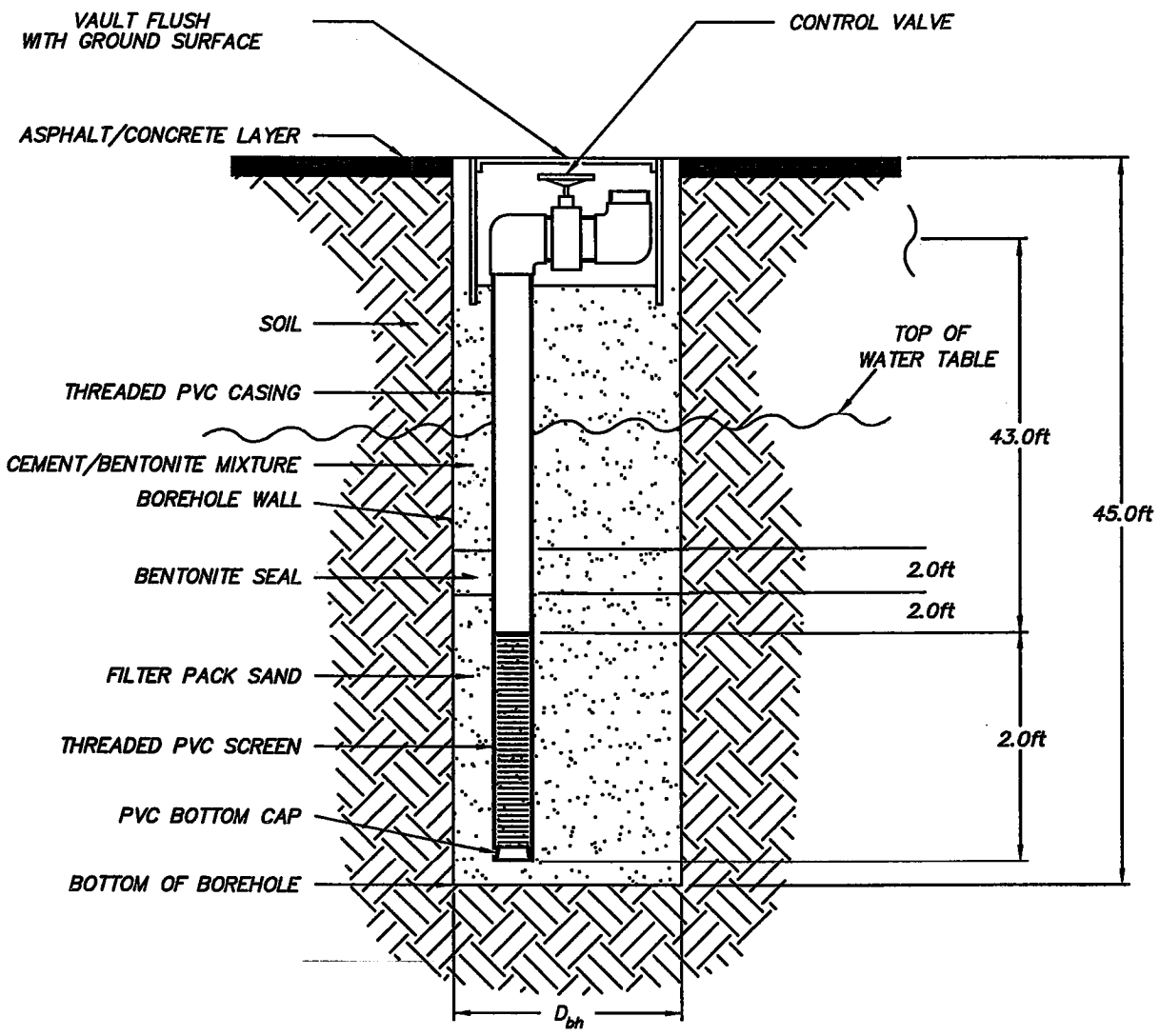
0 80 160

APPROXIMATE SCALE IN FEET

CAD FILE = C05-11-201D

CONSULTECH ENVIRONMENTAL, INC.	DRAWN: SRC DATE: 11/30/05
Environmental Consulting and Engineering © 1999	PROJECT:HANDY PANTRY#65,UST# 07584
Delivering innovative solutions to today's environmental concerns	PROJECT: CLOUDS CHEVRON UST#07777
	PROJECT No.: 05-11-201D
	LOCATION: COLUMBIA, SOUTH CAROLINA

FIGURE 10D
PROPOSED TFE, AS, AND TFAS
WELL LOCATION MAP



APPROXIMATE DIAMETER OF BOREHOLE Dbh = 8 in.

INSIDE DIAMETER OF PVC CASING = 2.00 in.

SCREEN SLOTS = 0.010 in.

NOTES: 1. LENGTH MEASUREMENTS ARE IN FEET
2. DIAGRAM IS NOT TO SCALE

CAD FILE: C-05-11-201AS.DWG

DRAWN: SRC	DATE: 12/01/05
SCDHEC FAC. ID#: 07584, 07777, 12352	
PROJECT: HANDY PANTRY #65 & CLOUDS CHEVRON	
PROJECT No.: C-05-11-201	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 11
AIR SPARGE WELL
CONSTRUCTION DIAGRAM
AS-1 THRU AS-18 AND AS-20

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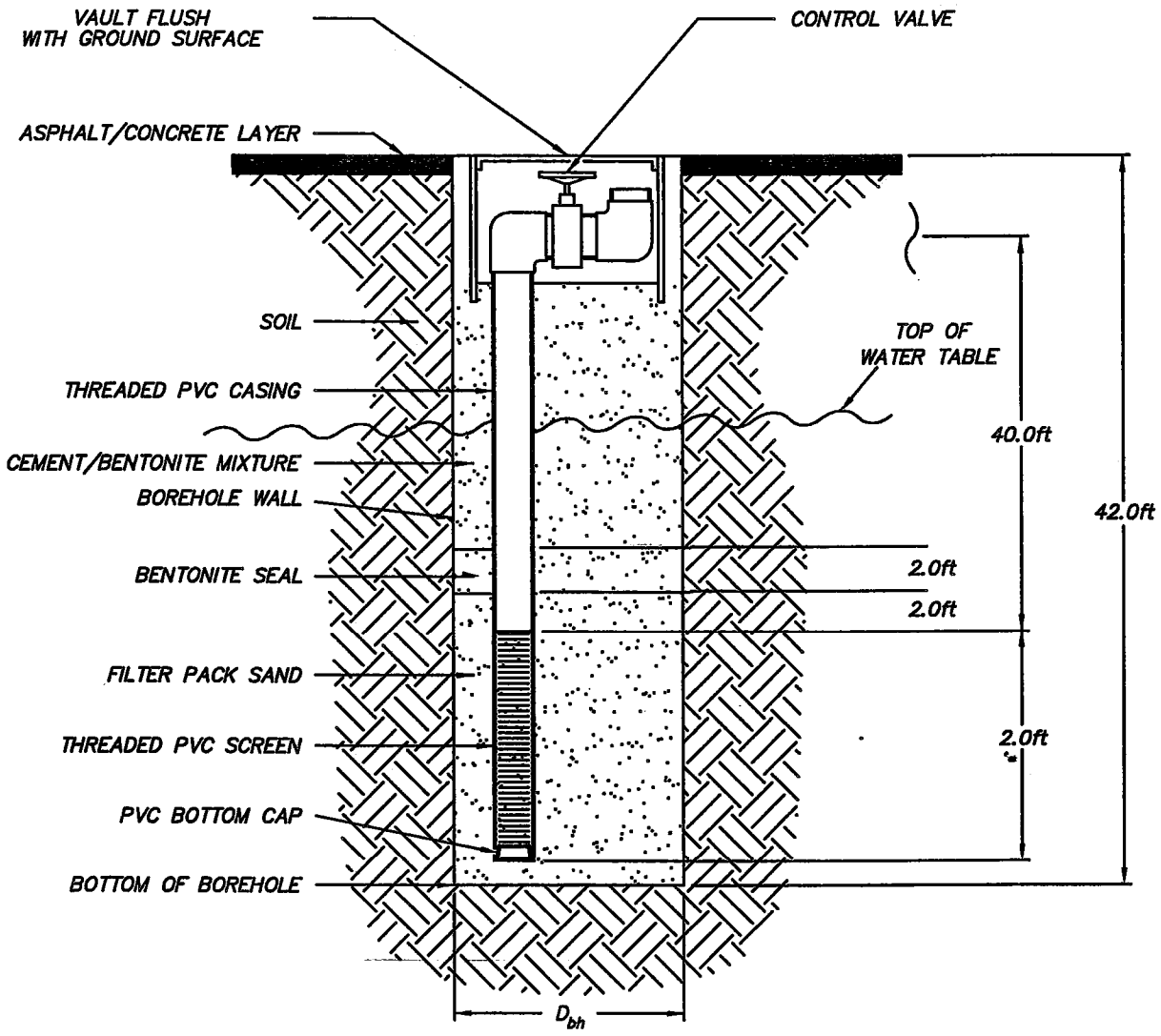

APPROXIMATE DIAMETER OF BOREHOLE Dbh = 8 in.

INSIDE DIAMETER OF PVC CASING = 2.00 in.

SCREEN SLOTS = 0.010 in.

NOTES: 1. LENGTH MEASUREMENTS ARE IN FEET
2. DIAGRAM IS NOT TO SCALE

CAD FILE: C-05-11-201AS.DWG

DRAWN: SRC	DATE: 12/01/05
SCDHEC FAC. ID#: 07584, 07777, 12352	
PROJECT: HANDY PANTRY #65 & CLOUDS CHEVRON	
PROJECT No.: C-05-11-201	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 12
AIR SPARGE WELL
CONSTRUCTION DIAGRAM
AS-21,AS-22,AS-24,AS-27 THRU AS-29
ANS AS-32, AS-33

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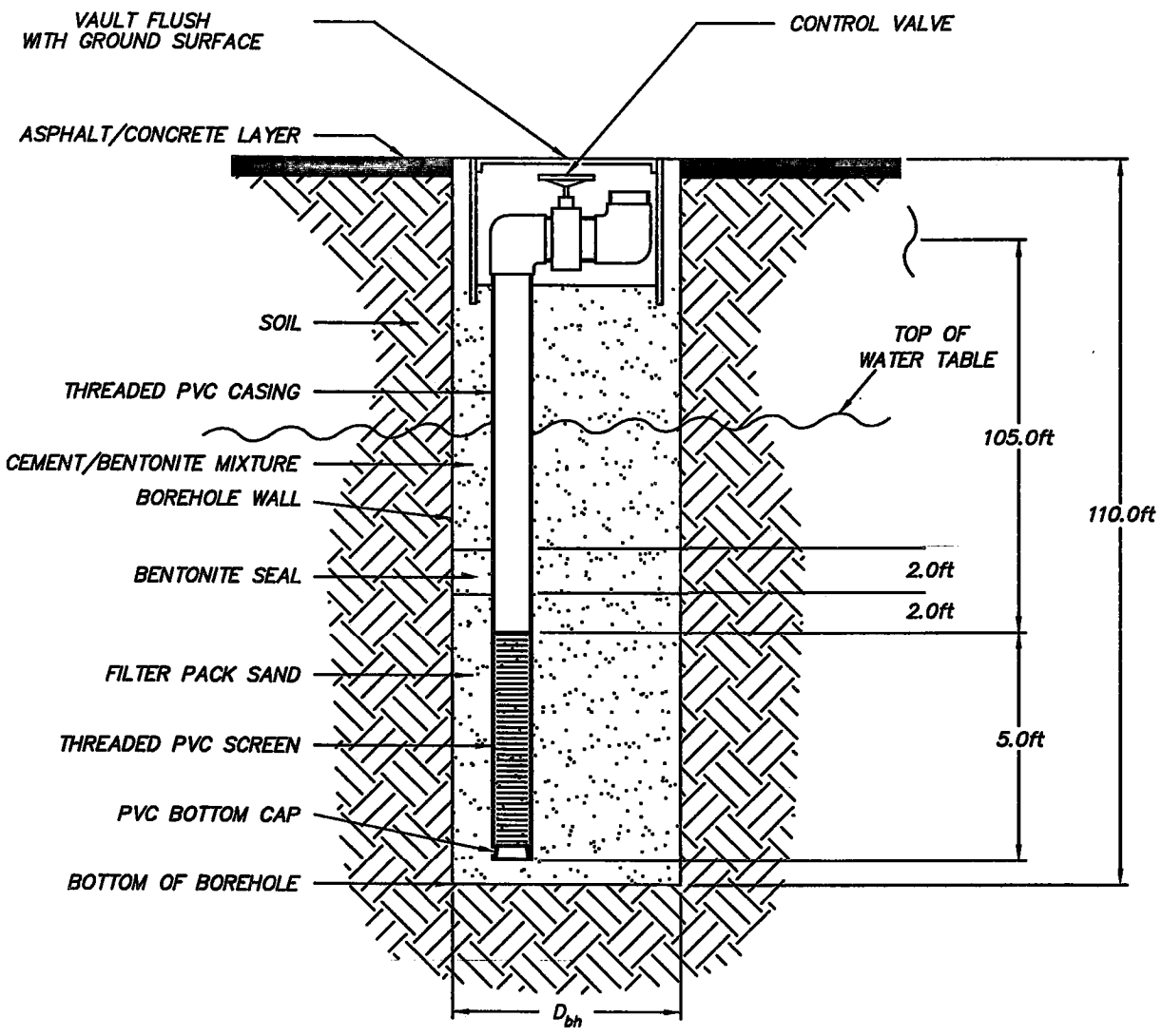

APPROXIMATE DIAMETER OF BOREHOLE Dbh = 8 in.

INSIDE DIAMETER OF PVC CASING = 2.00 in.

SCREEN SLOTS = 0.010 in.

NOTES: 1. LENGTH MEASUREMENTS ARE IN FEET
2. DIAGRAM IS NOT TO SCALE

CAD FILE: C-1380DAS26.DWG

DRAWN: SRC	DATE: 12/01/05
SCDHEC FAC. ID#: 07584, 07777, 12352	
PROJECT: HANDY PANTRY #65 & CLOUDS CHEVRON	
PROJECT No.: C-1380	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 13
AIR SPARGE WELL
CONSTRUCTION DIAGRAM
DAS-26

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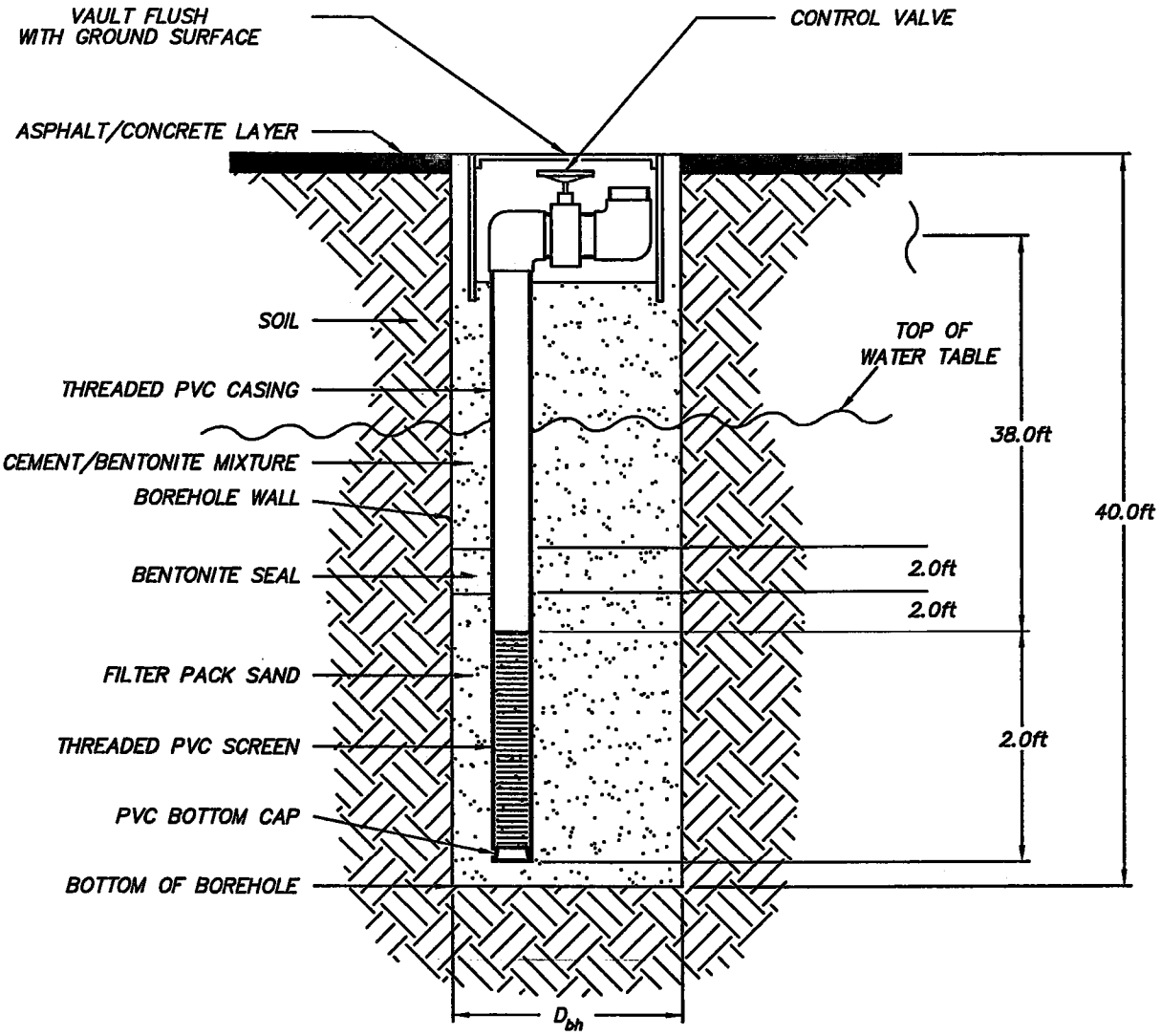

APPROXIMATE DIAMETER OF BOREHOLE Dbh = 8 in.

INSIDE DIAMETER OF PVC CASING = 2.00 in.

SCREEN SLOTS = 0.010 in.

NOTES: 1. LENGTH MEASUREMENTS ARE IN FEET
2. DIAGRAM IS NOT TO SCALE

CAD FILE: C-05-11-201AS.DWG

DRAWN: SRC	DATE: 12/01/05
SCDHEC FAC. ID#: 07584, 07777, 12352	
PROJECT: HANDY PANTRY #65 & CLOUDS CHEVRON	
PROJECT No.: C-05-11-201	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 14
AIR SPARGE WELL
CONSTRUCTION DIAGRAM
AS-36, AS-37, AND AS-39

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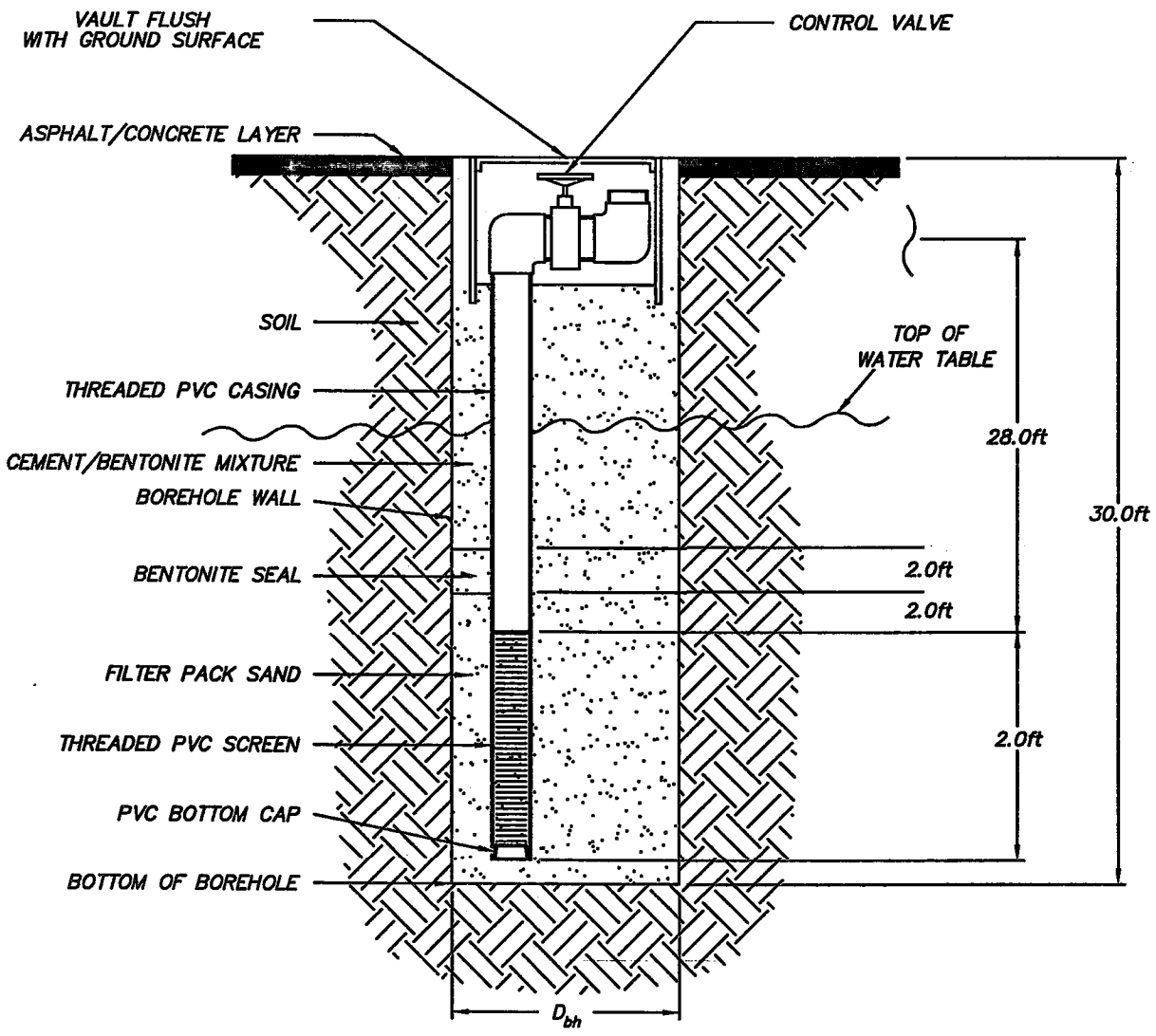

APPROXIMATE DIAMETER OF BOREHOLE Dbh = 8 in.

INSIDE DIAMETER OF PVC CASING = 2.00 in.

SCREEN SLOTS = 0.010 in.

NOTES: 1. LENGTH MEASUREMENTS ARE IN FEET
2. DIAGRAM IS NOT TO SCALE

CAD FILE: C-1380AS40-41.DWG

DRAWN: SRC	DATE: 12/01/05
SCDHEC FAC. ID#: 07584, 07777, 12352	
PROJECT: HANDY PANTRY #65 & CLOUDS CHEVRON	
PROJECT No.: C-1380	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 15
AIR SPARGE WELL CONSTRUCTION DIAGRAM
AS-40 AND AS-41

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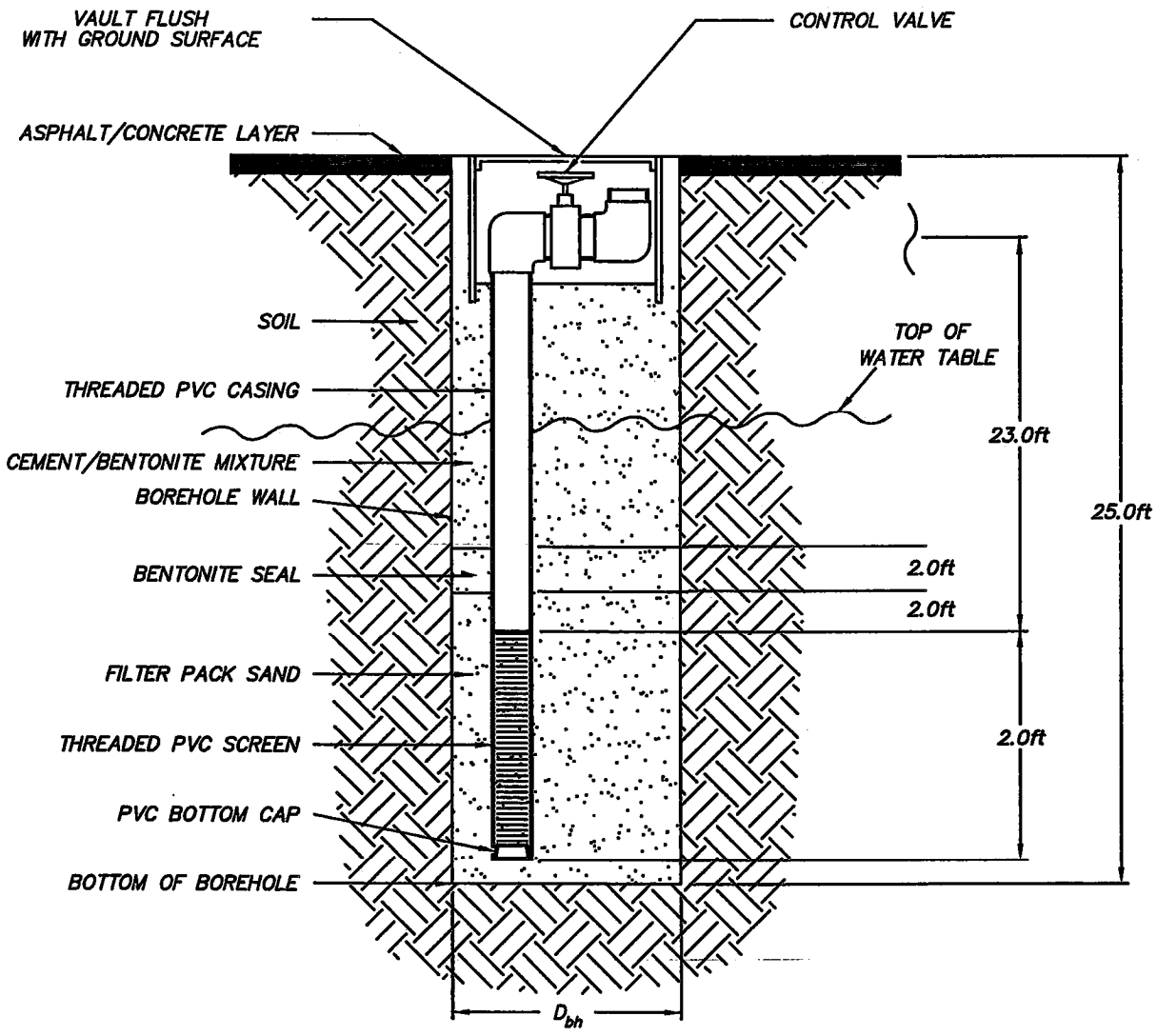

APPROXIMATE DIAMETER OF BOREHOLE Dbh = 8 in.

INSIDE DIAMETER OF PVC CASING = 2.00 in.

SCREEN SLOTS = 0.010 in.

NOTES: 1. LENGTH MEASUREMENTS ARE IN FEET
2. DIAGRAM IS NOT TO SCALE

CAD FILE: C-05-11-201AS.DWG

DRAWN: SRC	DATE: 12/01/05
SCDHEC FAC. ID#: 07584, 07777, 12352	
PROJECT: HANDY PANTRY #65 & CLOUDS CHEVRON	
PROJECT No.: C-05-11-201	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 16
AIR SPARGE WELL
CONSTRUCTION DIAGRAM
AS-42 THRU AS-47

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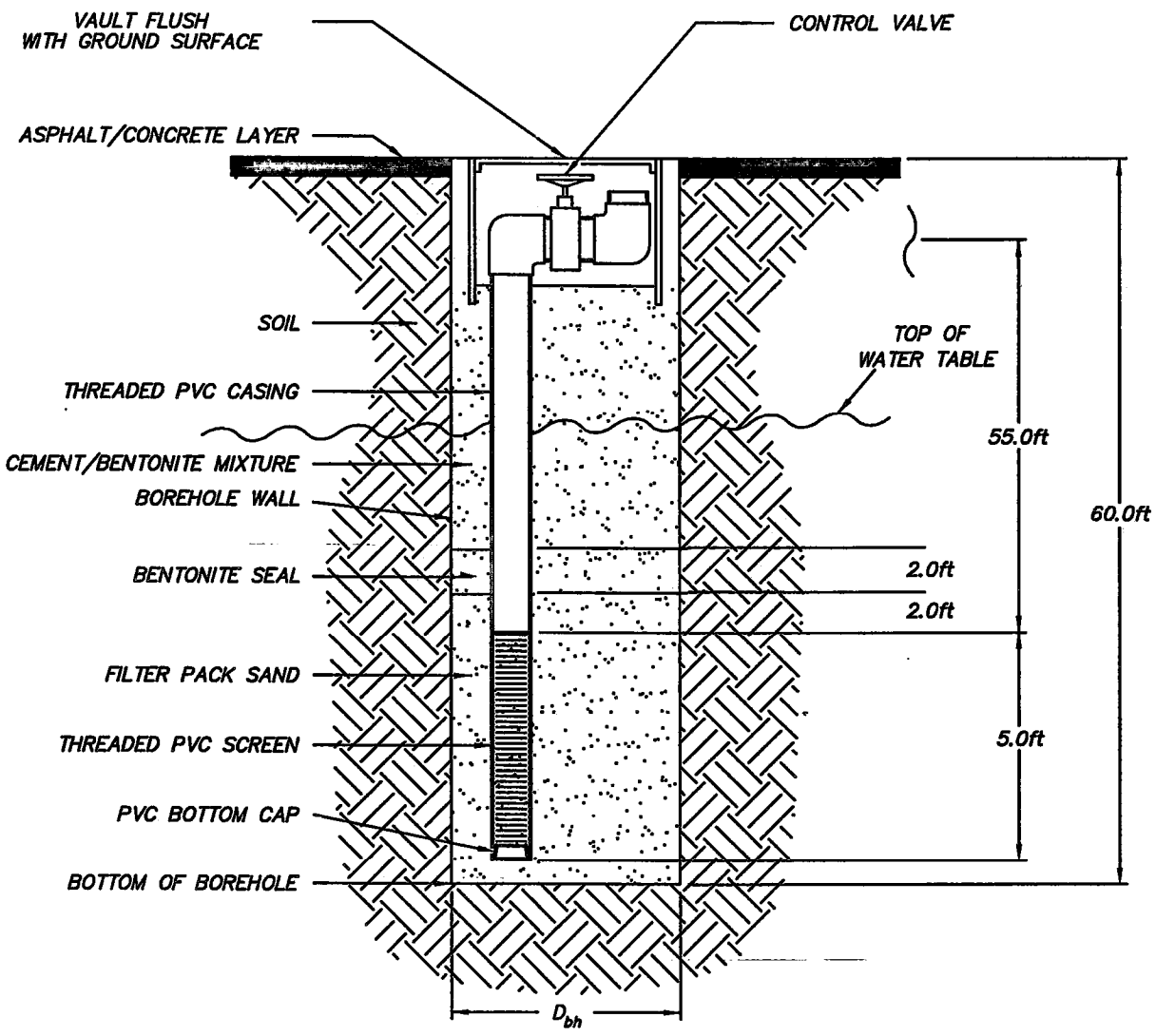

APPROXIMATE DIAMETER OF BOREHOLE Dbh = 8 in.

INSIDE DIAMETER OF PVC CASING = 2.00 in.

SCREEN SLOTS = 0.010 in.

NOTES: 1. LENGTH MEASUREMENTS ARE IN FEET
2. DIAGRAM IS NOT TO SCALE

CAD FILE: C-05-11-201DAS.DWG

DRAWN: SRC	DATE: 12/01/05
SCDHEC FAC. ID#: 07584, 07777, 12352	
PROJECT: HANDY PANTRY #65 & CLOUDS CHEVRON	
PROJECT No.: C-05-11-201	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 17
AIR SPARGE WELL
CONSTRUCTION DIAGRAM
DAS-44

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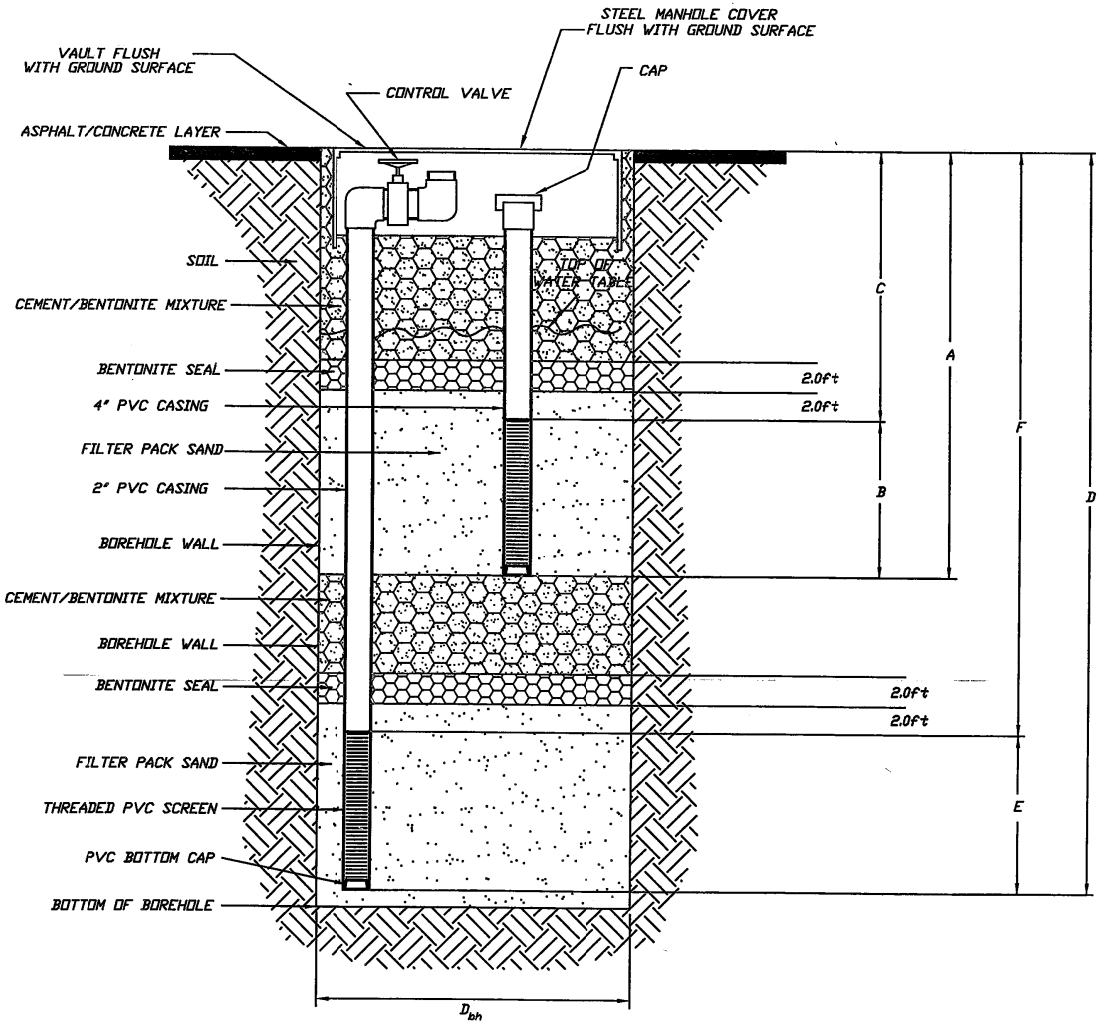


WELLS	A	B	C	D	E	F
TFAS-19	30	10	20	45	2	43
TFAS-23	30	10	20	42	2	40
TFAS-25	30	10	20	42	2	40
TFAS-30	30	10	20	42	2	40
TFAS-31	30	10	20	42	2	40
TFAS-34	30	10	20	40	2	38
TFAS-35	25	10	15	40	2	38
TFAS-38	25	10	15	40	2	38

(ALL MEASUREMENTS ARE IN FEET)

LEGEND

- SAND
- BENTONITE
- CEMENT/BENTONITE

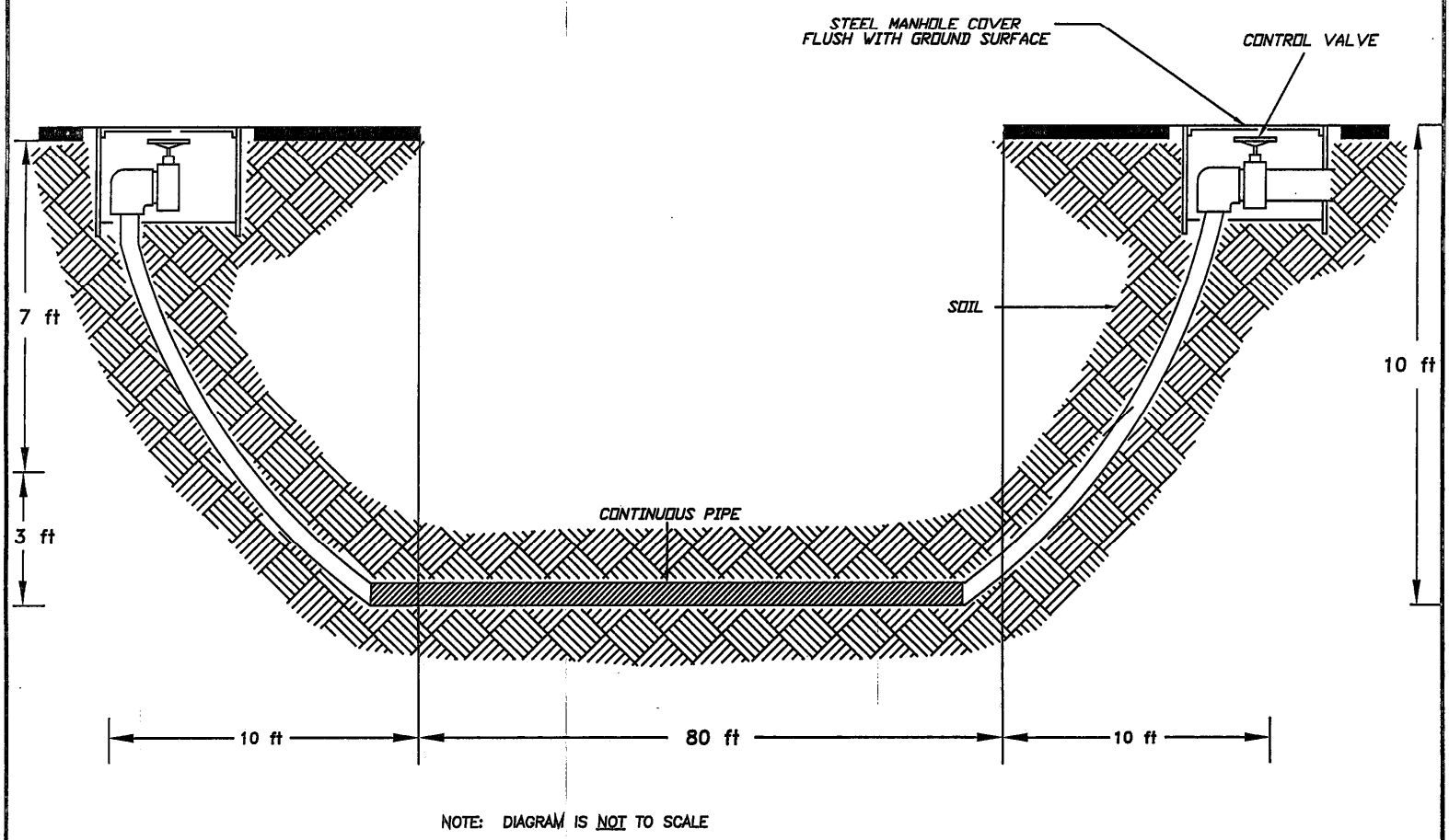
APPROXIMATE DIAMETER OF BOREHOLE Dbh = 12 in.
INSIDE DIAMETER OF TFR WELL PVC CASING = 4.00 in.
INSIDE DIAMETER OF AS WELLS PVC CASING = 2.00 in.
SCREEN SLOTS = 0.010 in.

NOTES: 1. LENGTH MEASUREMENTS ARE IN FEET
2. DIAGRAM IS NOT TO SCALE

CAD FILE = C-05-11-201.dwg.

CONSULTECH ENVIRONMENTAL, INC. Environmental Consulting and Engineering © 1999 Delivering innovative solutions to today's environmental concerns	DRAWN: SRC	DATE: 12/01/05
	SCDHEC FAC. ID#: 07584, 07777, 12352	
	PROJECT: HANDY PANTRY #65 & CLOUDS CHEVRON	
	PROJECT No.: C-05-11-201	
	LOCATION: COLUMBIA, SC	

FIGURE 18
TFAS CONSTRUCTION DIAGRAM



NOTE: DIAGRAM IS NOT TO SCALE

CAD FILE = C-05-11-201HZSVE.dwg.

DRAWN: SRC	DATE: 12/02/05
SCDHEC FAC ID#.: 07584, 07777, 12352	
PROJECT: HANDY PANTRY #65 & CLOUDS CHEVRON	
PROJECT No.: C-05-11-201	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 19
HORIZONTAL CONDUIT CONSTRUCTION DIAGRAM FOR TWO NOTCH ROAD CROSSING

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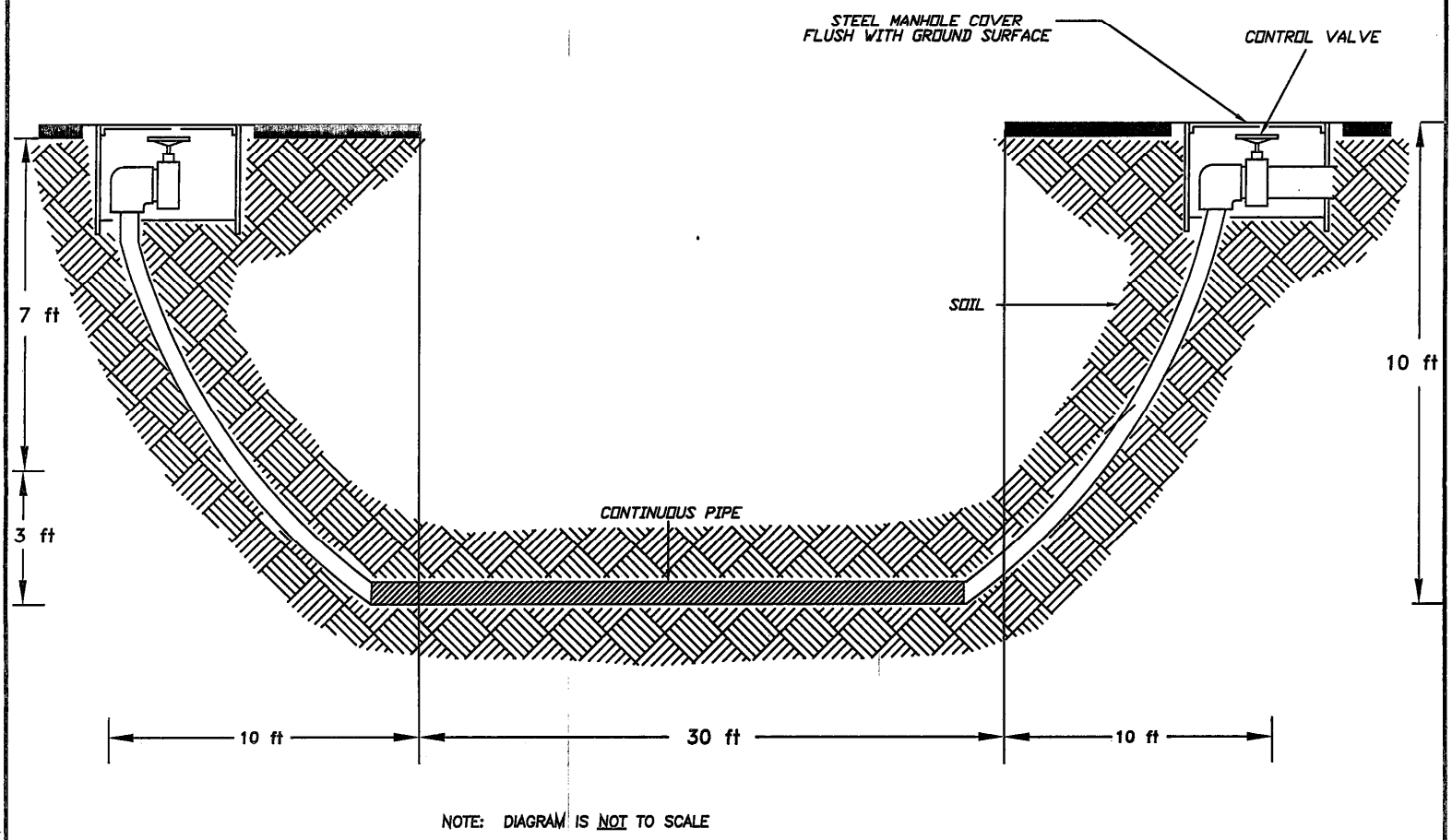

NOTE: DIAGRAM IS NOT TO SCALE

CAD FILE = C-05-11-201HZSVE.dwg.

DRAWN: SRC	DATE: 12/02/05
SCDHEC FAC ID#.: 07584, 07777, 12352	
PROJECT: HANDY PANTRY #65 & CLOUDS CHEVRON	
PROJECT No.: C-05-11-201	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 20
HORIZONTAL CONDUIT CONSTRUCTION DIAGRAM FOR ONTARIO STREET CROSSING

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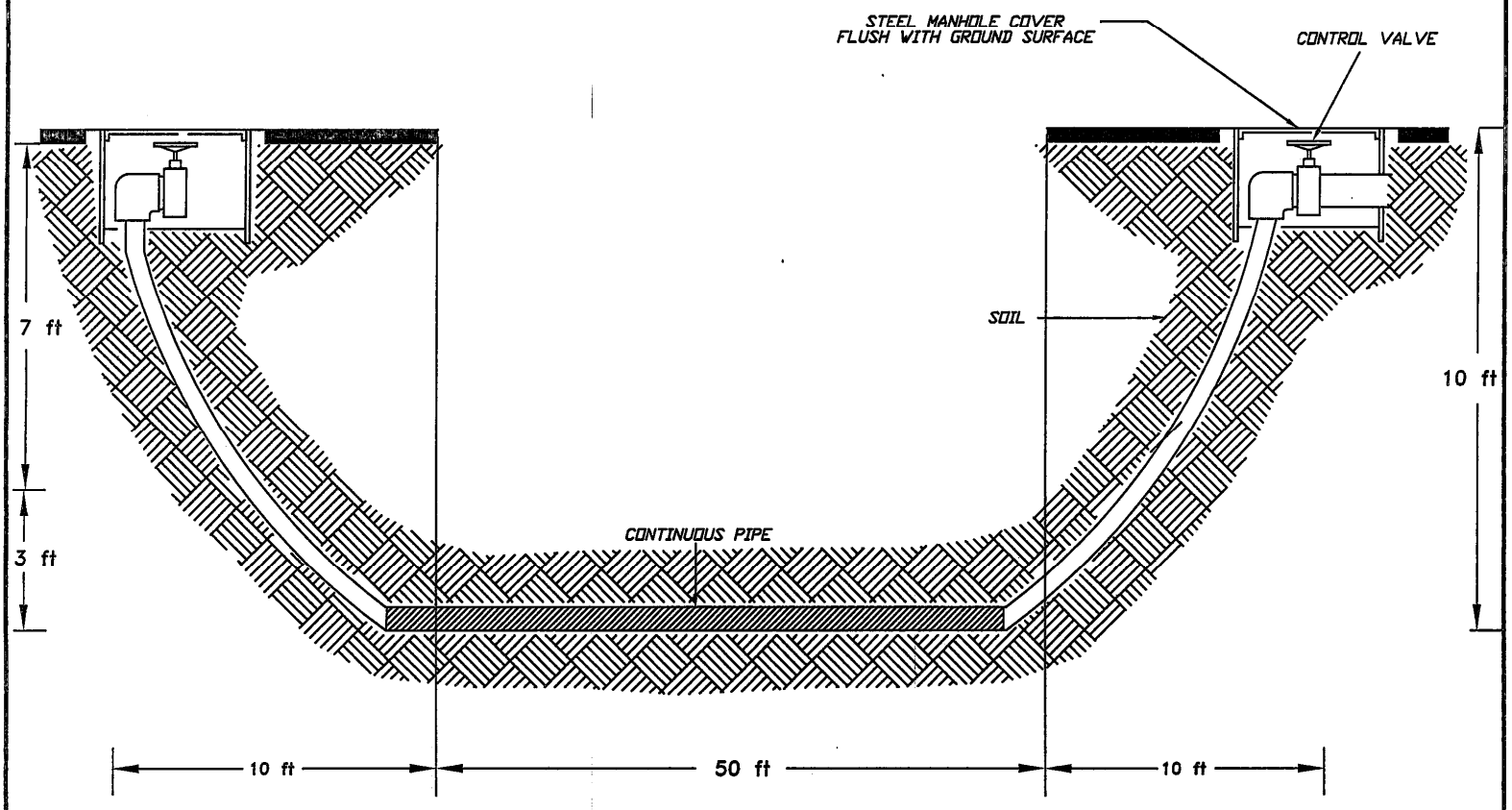

NOTE: DIAGRAM IS NOT TO SCALE

CAD FILE = C-05-11-201HZSVE.dwg.

DRAWN: SRC	DATE: 12/02/05
SCDHEC FAC ID#.: 07584, 07777, 12352	
PROJECT: HANDY PANTRY #65 & CLOUDS CHEVRON	
PROJECT No.: C-05-11-201	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 21
HORIZONTAL CONDUIT CONSTRUCTION DIAGRAM FOR MILLWOOD AVENUE CROSSING

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Appendix D

FIELD GAUGING & SAMPLING PROTOCOLS

CONSULTECH ENVIRONMENTAL, INC.

SITE HEALTH AND SAFETY PLAN

FOR

SOUTH CAROLINA DEPARTMENT OF

HEALTH AND ENVIRONMENTAL CONTROL

Handy Pantry #65, UST Permit # 07584
2367 Taylor Street
Columbia, SC

&

Cloud's Chevron, UST Permits # 07777 & # 12352
1600 Two Notch Road
Columbia, SC

December 2005

POST ON SITE

CLASS III PETROLEUM SITE HEALTH AND SAFETY PLAN

Prior to initiating field activities the Site Safety Officer (SSO) must review the Site Health and Safety Plan (SHSP) with all members of the field crew, including Consultech employees and subcontractors. All field team members shall have completed OSHA 40-hour HAZWOPER training (29 CFR 1910.120), CPR and First Aid training. When required by the local regulatory authority, copies of training certificates, CPR/first aid cards and respirator fit-test documentation shall be maintained on-site. Each team member must review the SHSP and sign and date the Acknowledgement Agreement on page 13 of the Plan. The signed plan is to be kept in the field for the duration of the project and returned to the project file upon completion of the field activities.

SHSP's may be revised, or rewritten for different phases of a project, if site activities are distinctly different, if areas of differing hazard are involved, or as information about contaminants and hazards changes. Changing conditions may justify either increasing or decreasing SHSP restrictions and action levels, depending upon the additional information generated.

CONSULTECH PROJECT NUMBER: C – 05-11-201

I. GENERAL INFORMATION

Client: SCDHEC

Site Owners Former Handy Pantry - Fast Point #24 Property
Owners – Victor or Mahesh Patel 864-587-1009 and
Former Cloud's Chevron – Stephen A. Purves, President & CEO
Sisters of Charity Providence Hospitals, (803) 256-5313

Site Name: Handy Pantry #65 & Cloud's Chevron

Client Claim/P.O. Number: UST # 07584, UST #07777, UST #12352

Site Address: 2367 Taylor Street, Columbia
1600 Two Notch Road , Columbia, SC

Project Manager: Kenneth L. Brooke

Plan Prepared by: Kenneth L. Brooke

Date: November 15, 2005

Approved by: Kenneth L. Brooke

Date: November 15, 2005

Revised by: _____

Date: _____

Revision Approved by: _____

Date: _____

Proposed Date of Investigation: November 15, 2005

Objectives: Investigate the extent of on-site soil and groundwater contaminants and take necessary cleanup action.

Phase I - Soil borings and monitoring wells, as needed. Samples collected for laboratory analysis will use EPA Method 8015 for Total Petroleum Hydrocarbons (TPH) and EPA Method 602 or 8020 for benzene, toluene, ethylene and xylene (BTEX). Check with local and state agencies for additional requirements.

Phase II – Soil excavation as needed.

Phase III – Site cleanup to include, as needed, recovery well, treatment system, construction and maintenance. (Site monitoring, construction of TFR, AS, and TFAS wells, operation of systems.)

II. EMERGENCY CONTINGENCY PLAN

A. LOCAL EMERGENCY TELEPHONE NUMBERS (provide area code):

Ambulance	911
Hospital Emergency Room	911
Poison Control Center	911
Fire Department	911
Police Department	911
Hazardous Materials Response Unit	911

Note: If you list 911, check to be sure it is activated in the site area and determine whether it is enhanced.

B. EMERGENCY ROUTES

(Give name, address, telephone number, directions, distance and time estimate.)

Hospital Name **Provident Hospital**
2435 Forest Drive
Columbia, SC 29204
Phone number: (803) 256-5300

Directions to nearest hospital:

See Attached Map with directions

To Providence Hospital

Estimated driving distance: ~ 0.25 mile

Estimated driving time: ~ 3 minutes

Does hospital accept chemically contaminated patients? YES [X] NO [ ]

***Hospital should be notified immediately if an injury occurs which requires medical attention.**

INSERT MAP OF HOSPITAL ROUTES AS LAST PAGE OF SHSP

C. SITE RESOURCES

Water supply available on site:	YES [x]	NO [ ]
Telephone available on site:	YES [x]	NO [ ]
Bathrooms available on site:	YES [x]	NO [ ]
Other resources available on site:	YES [x]	NO [ ]

If "yes", identify: Electricity, Food, and Minor First Aid

If "no", identify the closest available facility, and provide directions: _____

D. EMERGENCY CONTACTS:

	PHONE NUMBER (provide area code) Work	Home
1. Project Manager: Kenneth L. Brooke	(678) 377-0400	
2. District Manager: James R. Wilson	(678) 377-0400	
3. District Health & Safety Officer:		
4. Site Contact:		
5. Regulatory Consultant: Susan Block	(803) 896-6676	
6.		
7.		
8.		
9.		

E. SITE SAFETY WORK PLAN

PERSONNEL:

Team Members (list)	Responsibility
Kenneth L. Brooke	Project Manager
James R. Wilson	Site Safety Officer
	Public Information
	Field Team Leader

F. PERIMETER ESTABLISHMENT

Map/Sketch attached: Yes [X] No [ ] Site Secured: Yes [X] No [ ]

Perimeter identified: Yes [X] No [ ] Zone(s) of Contamination identified: Yes [X] No [ ]

Prevailing wind direction, if known: _____

In the event of an emergency incident, the site project team will meet at:
Subject Site
Evacuation routes & procedures, if applicable:

G. WORK ZONES

An exclusion zone, contamination reduction zone and clean zone will be identified for each site or site activity. Zones will be marked with yellow **CAUTION** tape or cones, as needed. No person will be allowed in the exclusion zone or contamination zone without approval from the Consultech Site Safety Officer.

H. SITE SECURITY

When work scheduling requires an excavation will be left open overnight, security fencing will be erected to restrict access to the site or work zones described in Section II. G.

I. SITE MAP: attach in front of Hospital Route Map at end of completed SHSP.

III. SITE CHARACTERIZATION

A. SUMMARY OF AVAILABLE SITE INFORMATION:
Project Manager – Corrective Action Plan

B. SOURCES OF BACKGROUND SITE INFORMATION:

C. GENERAL FACILITY DESCRIPTION:

Gasoline Service Station [X] Refinery [ ] Bulk Terminal [ ] Other

Description: Active [ ] Closed/Abandoned [X]

Site Activities (operations on-site, products, raw materials used, etc.):
Former Convenience Store; now used as an office

How many years has this site been operation: > 15 years

Was the site used by previous owners: Yes [X] No [ ]

Describe previous site activity: Retail gasoline distribution and store.

Surface cover on-site includes:

[X]	Soil/bare ground	[ ]	Clay caps	[ ]	Plastic cover
[X]	Grass	[X]	Paving/asphalt	[ ]	Water bodies
[X]	Woods	[ ]	Swamp	[X]	Brush/scrub
[X]	Building(s)	[ ]	Unpaved roads	[ ]	Other

Site surface area estimated at: ~650,000 sq. ft.

Percentage of surface area:

paved	85	%
vegetated	15	%
bare soil		%
under water		%

Potential for dust generation on-site: High [ ] Medium [ ] Low [X]

Any site access restrictions: Yes [ ] No [X]
Fenced/locked [ ] Posting (signs) [ ] Security guards [ ]

Is there evidence of public access to the site: Yes [X] No [ ]

If "yes", describe: Active Entrances

D. REGULATORY CONTACTS:

Are regulatory agencies involved with the site: Yes [x] No [ ]

If "yes", are they: Federal [ ] State [x] Local [ ]

Name	Agency	Phone
Susan Block	SCDHEC	803-896-6676

IV. WASTE CHARACTERIZATION

A. WASTE/CONTAMINANT TYPE(S):

Liquid [ ] Soil [ ] Solid [ ] Sludge [ ] Gasoline [X]

Characteristic(s): [ ] Corrosive [ ] Ignitable [ ] Radioactive [ ] Explosive
[ ] Volatile [ ] Toxic [ ] Reactive [ ] Flammable
[ ] Unknown [ ] Other (Name):

B. MAJOR SPILLS/RELEASES

Type	Date	Chemical	Quantity	Contaminated Media*
Gasoline	1998			Soil/Groundwater

* air, surface water, soil, or groundwater

Free Product: Yes [X] No [ ] Dissolved: Yes [ ] No [ ]

Have removal actions occurred: Yes [ ] No [ ]
If "yes", describe: _____

Is there evidence that contaminants present could cause vapor problems in structure on-site?
Yes [X] No [ ] If "yes", is building mechanically ventilated? Yes [ ] No [X]

Exhaust Ventilation ____ X ____ General Building Ventilation

C. REMEDIATON SYSTEM INFORMATION (Complete when applicable)

Has system been installed? Yes [ ] No [x]
Describe: Air Sparge System and Soil Vapor Extraction

Enclosed per codes	Yes [X]	No [ ]
Ventilated	Yes [X]	No [ ]
If "yes", Explosion-proof	Yes [X]	No [ ]
On a Timer	Yes [X]	No [ ]

D. CHEMICALS/WASTE STORED ON-SITE (including petroleum products):

	How many?	Size?	Chemical?
[ ] drums			
[ ] tanks			
[ ] vats			
[ ] surface impoundments			
[ ] pits/landfills			
[ ] other			

Identify all chemical products Consultech will use or store on site:
Well development water

Material Safety Data Sheets (MSDS) are required to be attached to the Site Health & Safety Plan.
Attached? Yes [ ] No [x]

E. HISTORY (worker or non-worker injury; complaints from public; previous agency action):

None

V. HAZARD EVALUATIONS

List all chemicals below that have been identified or are suspected on site and their maximum concentrations in soil/water. Information on hazardous properties is listed in **Appendix A.** For chemicals not shown in **Appendix A,** enter the hazardous property information in the spaces provided and attach a material safety data sheet.

Chemical Name	PEL/TLV	Maximum Concentration in Soil ug/kg (ppb)	Maximum Concentration in Water ug/l (ppb)	Health Hazards/ Comments
Gasoline	300 ppm			
Benzene	0.1 ppm*			Carcinogen
Total Lead	50 ug/m^3			
Tetraethyl Lead	75 ug/m^3			Absorbed thru skin
Tetramethyl Lead	75 ug/m^3			Absorbed thru skin
Kerosene	none est.			
Diesel Fuel	none est.			

(Refer to Appendix A for detailed Hazardous Property Information. Attach extended Appendix A-1a if other contaminants in addition to petroleum products are present.)

P = results pending
* = proposed '92 TLV

Potential Hazards (check boxes that apply to site):

[ ] corroded containers
[ ] confined spaces
[x] observed free product
[ ] open pits
[ ] air stack emissions
[ ] visible on-site releases
[ ] visible off-site releases
[ ] visible on-site erosion
[ ] visible leachate
[ ] odors
[ ] dust
[ ] visible soil contamination
[ ] on-site surface water contamination
[ ] off-site surface water contamination
[ ] interior building contamination
[ ] no obvious hazards
[x] underground tanks
[ ] surface tanks
[ ] observed tanks
[x] overhead electric line
[x] underground utilities
[ ] open lagoons

VI. PERSONAL PROTECTION & MONITORING EQUIPMENT GUIDELINES

A. PERSONAL PROTECTION

Level of Protection: B [x] C [ ] D [ ] (with modifications)

Modifications:

1. All personnel working in the exclusion zone must wear hard hat, safety shoes, safety glasses and/or face shield.

2. Nitrile gloves and tyvek/saranax suit should be worn if contact with contaminated water or soil is likely.

3. Hearing protection must be worn if noise levels prevent normal conversation at a distance of three feet. **No smoking, eating, or drinking is allowed in the exclusion or contamination reduction zones.**

4. No personnel are to enter or approach any excavation area where there is a danger of wall collapse or confined space entry.

5. Respiratory protection is dependent on conditions li sted in Section VI. B. 3.

B. SURVEILLANCE EQUIPMENTAND MATERIALS

1. CALIBRATION: The photoionization detector (PID) or flame ionization detector (FID) will be calibrated before and after field activities by a qualified individual.

2. FREQUENCY: The breathing zone of Consultech employees on-site will be monitored every hour (at a minimum) and recorded in the Consultech field book.

3. INSTRUMENTATION:

Instrument	Action Level	Action
Photoionization Detector (hNu)	5 units*	Level C, air purifying respirator (APR) with organic vapor canister.
Flame ionization Detector (OVA)	5 units*	Level C, air purifying respirator (APR) with organic vapor canister.
Benzene Colorimetric Detector Tubes	0.5 ppm	Level C, air purifying respirator (APR) with organic vapor canister.
Hydrogen Sulfide (H_2S) Colorimetric Detector Tubes	5.0 ppm	Level C, air purifying respirator (APR) with acid gas cartridge. LEAVE AREA.

Instrument	Action Level	Action
Oxygen Meter	<19.5% oxygen	Do not enter area or confined space
Explosimeter	>10% LEL	Eliminate all ignition sources and
	>20% LEL	reduce levels immediately or leave site

* Method of calculation:	Chemical known:	1/2 x TLV = Level C, air purifying respirator (APR) with appropriate canisters
		5 x TLV = Level B, supplied air respirator (SAR) or evacuate site
	Unknowns:	5 x background or 5 units = Level C, air vapor/dust purifying respirator with organic combination canisters
		10 x background or 10 units = Level B, supplied air respirator (SAR) or evacuate site

C. FIRST AID EQUIPMENT AND PROCEDURES

1. FIRST AID EQUIPMENT:

Standard first aid kit (sized for number of individuals on-site).

Portable eye wash (sized for number of individuals on-site).

2. FIRST AID PROCEDURES

Ingestion: **DO NOT** induce vomiting, summon medical help immediately.

Inhalation: Move victim to fresh air, seek medical attention if needed.

Dermal Exposure: **DO NOT RUB!** Remove contaminated clothing, flush with water.

A first aid kit will be provided on-site for use in case of minor injuries. A portable eye wash will also be provided and if a worker suffers a chemical splash in the eye, the field team will be instructed to flush the eye for 15 minutes and arrange for off-site medical treatment immediately. Workers will also be instructed to thoroughly wash with soap and water any unprotected skin which comes in direct contact with contaminated soil or water.

Report all CPR or First Aid assistance to the District Health & Safety Officer immediately.

3. SITE EMERGENCIES:

In the event of a fire or explosion, evacuate the site immediately and call the appropriate emergency phone numbers listed in Section II. A., page 2

In case of a spill, try to contain with clean dirt, if feasible, and call the local fire department or hazardous materials response (HAZMAT) unit. Phone numbers are listed in Section II. A., page 2.

Have procedures for remediation system shutdown or emergency procedures been provided to site owner or manager? Yes [ ] No [x] (Applies to sites with remediation systems in place.)
After system is installed.

VII. SAFETY STANDARD OERATING PROCEDURES

A. CHEMICAL HAZARDS:

A photoionization detector (PID) or flame ionization detector (FID) will be used to measure the relative concentration of hydrocarbon vapors. Monitoring for exposure to benzene vapors may be done using activated charcoal tubes and vacuum pumps, vapor badges, or benzene colorimetric tubes in the breathing zone when working with heavily contaminated soil or water. Action limits for use of respiratory protective equipment are outlined in Section VI. B. 3. All respiratory protection equipment shall be NIOSHA/MSHA-approved and use shall conform to OSHA 29 CFR 1910.134. A written Respiratory Protection detailing selection, use, cleaning, storage, medical monitoring, training and fit-testing of respiratory protective equipment shall be kept.

In addition to inhalation hazards, hydrocarbon compounds can also be absorbed through the skin. Skin contact with liquid hydrocarbons or fuel hydrocarbon-bearing soil should be prevented. In situations where sampling would result in direct skin contact with hydrocarbon liquids, saturated soil or contaminated equipment, nitrile gloves will be worn.

Drilling or digging may also liberate pockets of hydrogen sulfide (H_2S). While the characteristic "rotten egg" odor of H_2S is detectable at levels as low as 0.0005 ppm, prolonged detection is unreliable due to its olfactory fatigue properties. In open air on a typical petroleum remediation site, risk from exposure to H_2S is minimal. However, should H_2S be encountered, workers shall be instructed to stop drilling/digging and move to an upwind location until the vapors have dissipated, as measured by Drager H_2S detector tubes. The bore hole or excavation will be immediately backfilled.

A combination explosimeter/oxygen (O_2) meter will be available on-site to monitor the levels of flammable gases, such as petroleum vapors and methane. An explosimeter should also be used by the subcontractor to verify that the atmosphere inside the underground storage tank has been inerted prior to allowing the tank to be removed.

B. PHYSICAL HAZARDS:

1. Mechanical Hazards: cuts, abrasions, contusions; slips, trips, falls; being struck or entrapped by moving parts of heavy equipment or falling objects. Such hazards will be minimized by keeping the work area free of equipment and debris that could cause slips, trips or falls and maintaining a safe distance from heavy equipment and moving machinery parts.

2. Electrical Hazards: possible excavation of unanticipated electrical cables and potential contact by heavy equipment with overhead power lines during drilling and excavation. Maintain at least 20 feet clearance from overhead power lines. If unavoidably close to overhead or buried power lines, turn power off and lock out circuit breaker. All equipment will be properly locked/tagged out when required by the Consultech Electrical Safety Program. Avoid standing in water when operating electrical equipment.

3. Traffic Hazards: Petroleum site work frequently necessitates working in parking lots, streets or other areas with vehicular traffic. In such instances, the work team will be issued neon traffic safety vests and will use traffic cones and/or barricades as necessary to prevent collision between pedestrians and motor vehicles.

4. Open Excavations: When scheduling or work conditions necessitate leaving excavations open overnight, security fencing will be erected to restrict access to the site or work zones described in Section II. G. will be erected.

C. UTILITIES

List utilities ownership (Electrical, Gas, Sewer, Water, Telephone, Cable TV): Sewer and Water – City of Columbia; Electricity – SCE&G; Natural Gas-SCE&G; Telephone- BellSouth; Telecommications – Aldelphia Business Solutions ; Cable – Time Warner Cable

A minimum of 48 hours prior to starting excavation, Underground Service Alert or (the state equivalent (Palmetto Utility Protection and Individuals) will be contacted and informed of the scheduled field activities. Underground Service Alert identifies which underground utilities are present and notifies their respective owners. The utilities will be located by their respective owner. Prior to drilling, post holes or probing to a depth of 5 feet will be done to ensure no utilities, lines, tanks are in the way.

Consultech does not assume responsibility or liability for identification, location and notification of underground utilities.

D. WORK LIMITATIONS (time of day, weather, heat/cold stress):

In high ambient temperatures (especially in conjunction with high humidity), follow heat -stress precautions: Provide plenty of cool water and electrolytes (e.g. Gatorade). Provide frequent breaks in areas out of direct sunlight and remove protective clothing during breaks. Check resting pulse and increase number of breaks if pulse does not return to normal during work breaks. If possible, alter work schedules so work may be conducted during cooler parts of the early morning or evening. Work may only progress during daylight hours or under conditions of adequate lighting.

EMERGENCY ROUTES & MAP TO HOSPITAL

(Give name, address, telephone number, directions, distance and time estimate, and map)

HOSPITAL: See page 2 and attached map with directions from site.

DIRECTIONS:

OTHER:

MAP:

CLASS III PETROLEUM SITE HEALTH AND SAFETY PLAN
ACKNOWLEDGEMENT AGREEMENT

By signing below, I acknowledge I have read and agree to abide with all of Consultech's health and safety requirements as described in this Plan.

Signature	Date
Signature	Date
Signature	Date
Signature	Date
Signature	Date
Signature	Date
Signature	Date
Signature	Date
Signature	Date

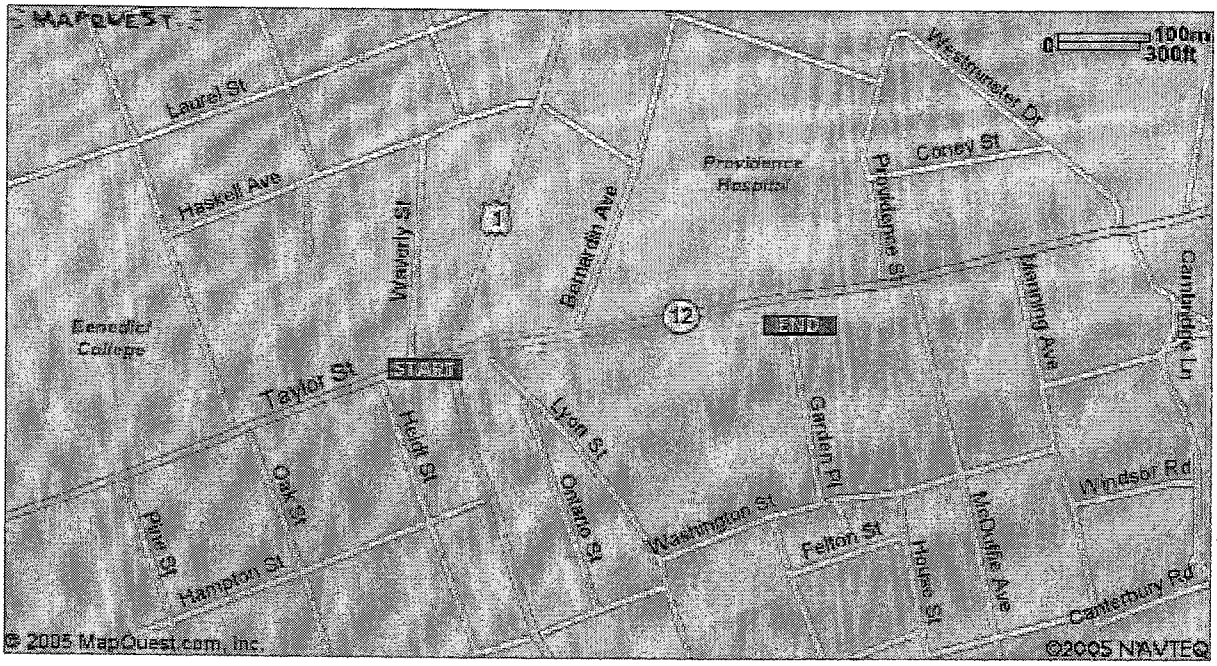
MAPQUEST.

Start: **2367 Taylor St**
Columbia, SC 29204-7803, US

End: **2435 Forest Dr**
Columbia, SC 29204-2026, US

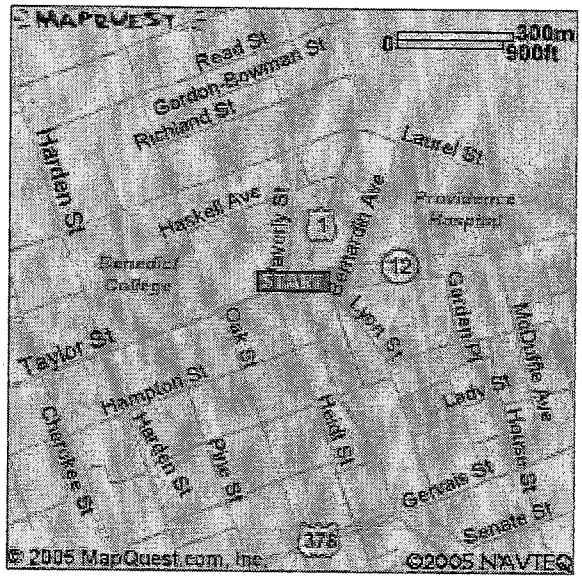
Notes:

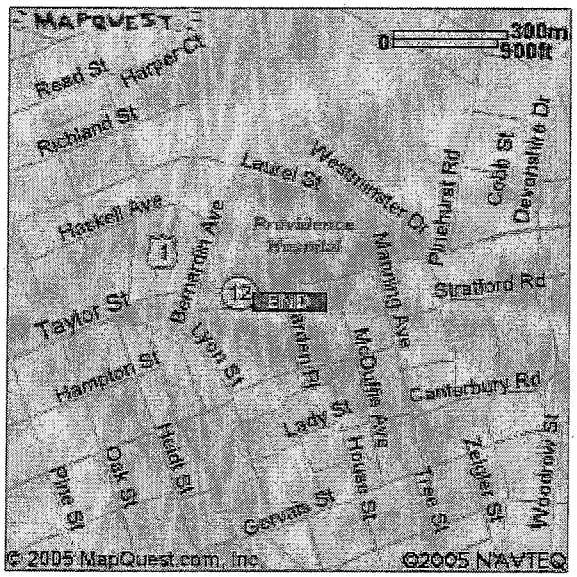
Directions	Distance
Total Est. Time: 1 minute **Total Est. Distance:** 0.25 miles	
START **1:** Start out going EAST on TAYLOR ST / SC-12 toward US-1 / N MILLWOOD AVE. Continue to follow SC-12.	0.2 miles
END **2:** End at **2435 Forest Dr** Columbia, SC 29204-2026, US	
Total Est. Time: 1 minute **Total Est. Distance:** 0.25 miles	



Start:
2367 Taylor St
Columbia, SC 29204-7803, US

End:
2435 Forest Dr
Columbia, SC 29204-2026, US





These directions are informational only. No representation is made or warranty given as to their content, road conditions or route usability or expeditiousness. User assumes all risk of use. MapQuest and its suppliers assume no responsibility for any loss or delay resulting from such use.

Appendix E

SCDHEC CORRECTIVE ACTION MONITORING PLAN

I. SCOPE OF WORK

A. DEFINITIONS:

For the purposes of this contract the following terms and definitions shall apply:

1. Catastrophic Occurrence: an event (e.g., hurricane) that results in a declared state of emergency and directly and substantially affects the Contractor's operations at a site .
2. Chemicals of Concern: Specific constituents that are identified for monitoring and corrective action.
3. Corrective Action Completion Time: the time in months, estimated by the Contractor, necessary to reduce concentrations of chemicals of concern to site-specific target levels, verify attainment of the goals, and remove or properly abandon assessment and corrective action items (wells, treatment lines, etc.).
4. Corrective Action Plan: A document outlining and detailing proposed corrective actions.
5. Corrective Action System Startup Date: the date on which the Contractor initiates full time treatment operations or initiates injection into or extraction from the subsurface.
6. Site Incentive Period: the period of time in months established by the SCDHEC during which the Contractor must achieve the 100% Concentration Reduction Goal in order to qualify for the Early Completion Incentive.

B. SOLICITATION STATEMENT

The Underground Storage Tank (UST) Program of the South Carolina Department of Health and Environmental Control (SCDHEC) is seeking services to perform active corrective action of petroleum releases at regulated underground storage tank sites in accordance with defined remediation goals. The *objective is to prevent significant further migration and reduce the levels of free phase product (FPP) and chemicals of concern (CoC) in the soil and groundwater to or below defined site-specific target levels (SSTLs)*. All offerors must be South Carolina Certified Class I Site Rehabilitation Contractors.

C. SCHEDULE OF DELIVERABLES

The following table summarizes the deadlines for deliverables associated with this contract.

DELIVERABLE DUE	DEADLINE
Questions	By 5:00 p.m. ET, 10/5/05
Sealed Bids	Before 2:30 p.m. ET, 10/18/05
Corrective Action Plan	30 days from date of award
Performance Bond or Letter of Credit	30 days from date of award
Initial Monitoring Report	45 days from date of award
CAP Implementation	30 days from Notice to Proceed
System Start Up	15 days from receipt of Permit to Operate and CAP Notice to Proceed
Notify Project Manager of Sampling	At least two (2) weeks prior to the event
Corrective Action Monitoring Report	Quarterly from date of start up
Abandon Monitoring Wells and Corrective Action System	Within 60 days from notice by SCDHEC

D. SITE SPECIFIC INFORMATION

The scope of work defined in this solicitation is to be implemented at:

UST Permit #	Facility Name	Site Address	Date Release Reported	Appendix
07584 & 07777/ 12352	Handy Pantry # 65 & Cloud's Chevron	2367 Taylor St., Columbia, SC 1600 Two Notch Rd., Columbia, SC	01/30/1991 & 05/13/1998; 12/31/1991; 12/30/1991	A

II. CONTRACTUAL REQUIREMENTS

A. GENERAL REQUIREMENTS

1. CONTRACT PERIOD: The contract will be effective from date of award until the corrective actions are complete as described in this contract.

2. EQUAL OPPORTUNITY EMPLOYMENT: Contractor must agree to make positive efforts to employ women, other minorities, and minority-owned businesses.

3. AMENDMENTS: All amendments to this solicitation shall be in writing from the SCDHEC Procurement Officer indicated on page one of this solicitation. SCDHEC shall not be legally bound by any amendment, interpretation or settlement that is not in writing.

4. RESTRICTION . . . THE ONLY OFFICIAL CONTACT PERSON AT SCDHEC DURING THE SOLICITATION AND AWARD OF THIS CONTRACT IS THE PROCUREMENT OFFICER INDICATED ON PAGE 1 OF THIS SOLICITATION. OFFERORS ARE NOT TO CONTACT ANY OTHER SCDHEC PERSONNEL LOCATED OUTSIDE THE BUREAU OF BUSINESS MANAGEMENT.

5. AWARD: Award will be made to a South Carolina Certified UST Site Rehabilitation Contractor based on the Grand Total cost, method(s), and Corrective Action Completion Times for all sites listed. For a bid to be considered responsive, the proposed implementation schedule(s) and the proposed remediation technology(ies) or method(s) for active corrective action to achieve the remediation goals must be protective of public health and the environment and be eligible for permitting by SCDHEC. The total cost, methods, and time to complete the contract must be advantageous to the State of South Carolina.

   a. The Corrective Action Completion Times shall be determined by the offeror and entered into the Corrective Action Solicitation Response in Contract Item IV.C.
      i. Time is of the essence in completing the site work to restore the aquifers and protect human health and the environment. Therefore, offerors are encouraged to strive for efficient remediation methods and to propose the shortest practical times for the completion of these sites.
      ii. Award of the contract, if made, will be made to the responsible and qualified offeror who submits the lowest Grand Total amount. The Grand Total amount will be the

sum of the Site Total Amounts provided for each site in the Corrective Action Solicitation Response. In the event that two or more bidders submit the lowest Grand Total amount, the award, if made, will be decided in accordance with the Tie Bids procedure in Section B.(6) of the Underground Storage Tank Environmental Remediation Procedures. Submittal of a "No Bid" for an individual site in this solicitation will be considered non-responsive and will result in rejection of the overall bid.

iii. The contractor shall enter the number of months in the space provided for each site in Section IV.B and in the Summary Table of the Corrective Action Solicitation Response.

6. REASONABLE COST: SCDHEC reserves the right to reject any and all bids that appear to be above the customary and reasonable cost for the same scope of work in a similar geologic setting, that propose technologies that cannot be permitted in South Carolina, or that propose time frames for cleanup that are not protective of human health or the environment.

7. SITE WORK VERIFICATION: The contractor will be required to treat the area where measurable FPP is present and petroleum chemicals of concern (CoC) are above site-specific target levels for each site in Appendix A of this solicitation. Verification that interim corrective action goals have been met will be based upon direct measurements and groundwater quality samples collected from the monitoring wells indicated for each site in the appendices. Verification that final corrective action goals have been met will be based upon direct measurements and groundwater quality samples for each site from all existing monitoring wells and additional verification wells to be installed at locations and depths designated by SCDHEC (See Contract Item III.B.10 for more details). It is understood that seasonal fluctuations in FPP thickness and CoC concentrations will occur over time. It is the intent of this corrective action to prevent further degradation of the aquifer(s) by continued migration of FPP or CoC into areas not previously impacted. If the corrective action allows FPP or CoC to migrate and impact areas beyond the assessed areas of concern established for any of the sites in this solicitation, the Contractor will be responsible for completing assessment activities necessary to re-define the area of concern and for providing amendments to their Corrective Action Plan addressing the additional impacted areas.

8. REPORTS: Deliver one copy of each plan or report to: SCDHEC, Bureau of Land and Waste Management, UST Program, 2600 Bull Street, Columbia, SC 29201. A minimum of one (1) copy of each plan and one (1) copy of each report for each site in the appendices must be delivered to the parties listed on the Distribution List included in the appendix for each site. Based on permitting and other requirements, additional copies of plans or reports may be required by the SCDHEC. The SCDHEC will notify the Contractor of the exact number of copies of each document to be submitted.

9. INVOICING: Invoices will be submitted to: SCDHEC, Bureau of Land and Waste Management, UST Program, ATTN: Financial Section, 2600 Bull Street, Columbia, SC 29201, using the SCDHEC's Corrective Action (CA) Invoice form. The initial invoice for each site must be received at the above address within four months of CAP approval or funds will be uncommitted as required by the Section 44-2-40(B) of the SUPERB Act. If funds are

uncommitted the submitted invoice will be held until funding is available. **Payment will only be made for achieving the corrective action goals as specified. No partial payments will be made once corrective action is initiated, except as outlined in Contract Item III.B.3.** Payment to the contractor will be a pay for performance system as follows:

A. Payment of forty percent (40%) of the total corrective action price for each site will be made within 90 days following receipt of an invoice and documentation that the contractor has completed the Corrective Action System Startup. All corrective action activities must be as described in the CAP and are subject to the limitations of Section 44-2-40 of the SUPERB Act. The implementation should be documented in the first corrective action system evaluation (CASE) report for each site. The first CASE report for each site must include the construction logs for all treatment/recovery wells installed in accordance with the CAP.

B. Payment of forty percent (40%) of the total corrective action price for each site will be made based on achieving interim CoC concentration reduction goals at the site as verified in the monitoring wells listed in the appendix for each site. Payments will be made upon receipt of invoices and documentation that the contractor has achieved interim goals of FPP removal followed by 60, 90 and 100 percent reduction of total CoC concentration above the SSTLs for each site by the implementation of active corrective action. The CoC concentrations and SSTLs for each site are listed in the respective appendices.

1. The first concentration reduction goal will be achieved upon verification that FPP thickness does not exceed 0.01 foot in the wells defined in the appendix for each site and at any point in the area of concern for that site. Verification that the reductions have been achieved will be based upon gauging of all existing monitoring wells. Payment of ten percent (10%) of the total bid price will be made upon verification (see Contract Item III.B.10 for the method of verification) that the total FPP thickness above 0.01 foot is removed.

2. The second concentration reduction goal will be achieved when sixty percent (60%) of the CoC concentration above the SSTLs is removed from the monitoring wells specified in the appendix for each site. The initial CoC concentration above the SSTLs will be established from the first sampling event following completion of FPP removal. The following formula will be used to calculate the percent total concentration reduction: total concentration above SSTLs from the first sampling event following completion of FPP removal less total concentration above SSTLs from subsequent sampling divided by total concentration above SSTLs from the first sampling event following completion of FPP removal. Payment of ten percent (10%) of the total bid price will be made upon verification (see Contract Item III.B.10 for the method of verification) that at least sixty percent (60%)of the total CoC concentration above SSTLs is removed.

The following is an example to demonstrate the CoC Concentration Reduction Calculation:

Well		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	Conc > SSTL
MW-1	Initial [A]	7,500	4,000	2,000	15,000	3,000	1,000	[A]
	SSTL [B]	10	2,000	1,400	10,000	80	50	[B]
	Initial > SSTL [C]	7,490	2,000	600	5,000	2,920	950	18,960 [C]
	Subsequent [D]	3,000	1,000	900	13,000	2,000	5	[D]
	SSTL [E]	10	2,000	1,400	10,000	80	50	[E]
	Subsequent > SSTL [F]	2,990	0	0	3,000	1,920	0	7,910 [F]
MW-4	Initial [G]	150	400	50	250	300	25	[G]
	SSTL [H]	5	400	50	250	40	25	[H]
	Initial > SSTL [I]	145	0	0	0	260	0	405 [I]
	Subsequent [J]	100	100	1	1	100	1	[J]
	SSTL [K]	5	400	50	250	40	25	[K]
	Subsequent > SSTL [L]	95	0	0	0	60	0	155 [L]
Totals	Initial > SSTL [M]	(sum of initial concentration above SSTL for all wells) (C+I)						19,365 [M]
	Subsequent > SSTL [N]	(sum of subsequent concentration above SSTL for all wells) (F+L)						8,065 [N]

Notes: If subsequent sampling indicates a CoC concentration at or below the SSTL and/or a CoC concentration at BDL but the reporting limit is at/or below the SSTL value for any constituent, the value for the concentration reduction will be 0 (no negative numbers).
If subsequent sampling indicates a CoC concentration at BDL but the reporting limit is above the SSTL, the value for any constituent will be the analytical reporting limit.

Concentration Reduction Calculation

$$\text{CoC Concentration Reduction} = \frac{(M-N)}{(M)} = \frac{(19{,}365-8{,}065)}{19{,}365} = 0.5835 * 100 = 58.35\% \text{ CoC Reduction}$$

3. The third concentration reduction goal will be achieved when ninety percent (90%) of the CoC concentration above the SSTLs from the monitoring wells specified in the appendix for each site is removed. The formula outlined in Contract Item II.A.9.B.1 will be used. Payment of ten percent (10%) of the total corrective action price will be made upon verification (see Contract Item III.B.10 for the method of verification) that at least ninety percent (90%) of the total CoC concentration above SSTLs has been removed.

4. The fourth concentration reduction goal will be achieved when one hundred percent (100%) of the CoC concentration above the SSTLs from the monitoring wells specified in the appendix for each site is removed. The formula outlined in Contract Item II.A.9.B.1 will be used. Payment of ten percent (10%) of the total corrective action price will be made upon verification (see Contract Item III.B.10 for the method of verification) that one hundred percent (100%) of the total CoC concentration above SSTLs has been removed. **Achievement of this goal must be verified by split sampling with the SCDHEC.**

C. The final twenty percent (20%) of the total corrective action price will be paid upon receipt of an invoice and verification that FPP thickness does not exceed 0.01 foot and CoC concentrations do not exceed the SSTLs defined in the appendix for each site and SSTLs calculated for any point in the area of concern for that site. Verification that the SSTLs have been achieved will be based upon groundwater quality samples collected from all existing monitoring wells and additional verification wells to be installed at locations and depths designated by SCDHEC (see Contract Item III.B.10 for more details); and 2) all remediation and assessment items (e.g., wells [including pre-existing wells], trenches, etc.) are removed from the site or properly abandoned. The SSTLs for each site are given in the appendices.

10. NOTIFICATION FOR FAILURE TO PERFORM: If the contractor fails during the course of this contract to make reasonable progress toward the cleanup goals or to meet any condition or specification of corrective action as outlined in this document without prior notification to the project manager of circumstances legitimately beyond the control of the contractor, SCDHEC will, on the first occurrence, notify the contractor by certified letter and meet with them to establish a remedy for the deficiency(ies). If the contractor corrects the deficiency(ies) within an agreed to period of time, the corrective action award will continue. If the contractor does not correct the deficiency(ies) within the agreed to period of time, the contractor will be in breach of contract and the corrective action award may be voided by SCDHEC. On the second occurrence, SCDHEC will notify the contractor and their bonding agent or creditor by certified letter and meet with them to establish a remedy for the deficiency(ies). If the contractor corrects the deficiency(ies) within an agreed to period of time, the corrective action award will continue. If the contractor does not correct the deficiency(ies) within the agreed to period of time, the contractor will be in breach of contract and the corrective action award may be voided by SCDHEC. **If the contractor fails on a third occasion during the course of this contract to meet any condition or specification established in this document, the contractor will be in breach of contract and the corrective action award will be voided by SCDHEC.** SCDHEC will notify the contractor and their bonding agent or creditor by certified letter that the corrective action award has been voided and will initiate appropriate actions with the bonding agent. **In the event that the corrective action award is voided due to a breach of contract as outlined above, no further payment of any invoices will be made.** If the corrective action award is voided under the conditions listed above, the contractor will incur a six-month suspension from bidding on any UST-related solicitations in South Carolina and may be subject to suspension or decertification in accordance with the SUPERB Site Rehabilitation and Fund Access Regulations, R.61-98. Any voiding of a corrective action award due to breach of contract will apply only to the site where the deficiency(ies) occurred and will not directly affect other sites awarded in conjunction with this solicitation.

11. CANCELLATION: The accepted corrective action cost will be final and will not be increased or cancelled for any reason (e.g., unanticipated iron fouling of a system, wells clogging because of biological activity or sediments, damage by lightning, increased subcontractor costs, loss of utilities, modification to the system to meet the remediation goals, etc.) with the exception of unforeseen subsurface conditions as determined solely at the discretion of the SCDHEC or identification of additional CoC from a release occurring after the award of this

contract that adversely impacts the corrective action. Contractor-owned items used on-site for the contract that are damaged or destroyed by common acts of nature, improper maintenance or handling, theft or vandalism will not be replaced or reimbursed by the SUPERB Account. **Payment will only be made for achieving the corrective action goals as specified in this contract. No interim or partial payments will be made once corrective action is initiated, except as outlined in Contract Item III.B.3. Once site rehabilitation has been initiated under this contract, in the event of a cancellation due to the circumstances prescribed in this condition, final payment will be a percentage of the contract amount equal to the actual percent reduction of the CoC concentration as calculated based on the last sampling results from all wells listed in the Appendix for each site less the amount previously paid.** Any action taken by the SCDHEC under this condition that might result in the cancellation of a corrective action award due to circumstances described in this condition will apply only to the affected site and will not directly affect other sites awarded in conjunction with this solicitation.

12. PERFORMANCE BOND: A performance bond or irrevocable standby letter of credit, equal to fifty percent (50%) of the award price, will be required by SCDHEC for each site and should be submitted with the CAP. The issuing institution for irrevocable standby letters of credit must be an entity that has the authority to issue letters of credit in South Carolina and whose letter-of-credit operations are regulated and examined by a federal or state agency. **Bonds must be obtained from a surety that is on the Secretary of the Treasury's list of acceptable sureties for Federal bonds.** The original performance bonds or irrevocable standby letters of credit will be submitted to the Bureau of Land and Waste Management, UST Program, Attn: Financial Section, within 30 days of award. The performance bonds or irrevocable standby letters of credit will specify that the SUPERB Account will be the recipient of any forfeiture. **The performance bonds or irrevocable standby letters of credit must bear the SCDHEC Permit ID Number and the Bid Number.** Since SCDHEC is responsible for disbursement of funds from the SUPERB Account, the financial responsibility mechanisms (i.e., bonds or letters of credit) will be held by the Bureau of Land and Waste Management, UST Program until the work is successfully completed at each of the awarded sites. **The performance bond or letter of credit for each site must be kept current for the duration of the corrective action. Failure to maintain the performance bonds or letters of credit may result in the corrective action award being voided by SCDHEC in accordance with Contract Item II.A.10.**

B. SPECIFIC REQUIREMENTS

1. CONTRACT SCOPE: This contract is for active corrective action at 2 facilities in South Carolina.

2. INQUIRIES: Questions or requests for information must be submitted in writing and received by 5:00 P.M. on the date specified in Section I.C of this solicitation. After this date, no further questions will be addressed. A written response will be provided to all requestors of the solicitation. The questions may be faxed to E. Madison Winslow in the SCDHEC Bureau of Business Management at (803) 898-3505.

3. PROVISION FOR EARLY COMPLETION INCENTIVE: The SCDHEC will pay the Contractor an incentive of ten percent (10%) of the Cleanup Cost for early completion, subject to the conditions set forth in this provision. Payment will be made if the remediation goals on a

given site have been met in accordance with the terms and conditions of this contract prior to the end of the Site Incentive Period, as established by the SCDHEC, and verified in accordance with Contract Item III.B.10.

The Site Incentive Period will commence on the Corrective Action System Startup Date. A month starts at 12:00 Midnight on the same day of the month as the Corrective Action System Startup Date and ends at Midnight preceding the same day of the following month. Months will be consecutively counted from the corrective action system startup date. Following system startup at a site, the SCDHEC will provide the Contractor notice in writing of the closing date of the Site Incentive Period for that site.

The Site Incentive Period will not be adjusted for any reason, cause or circumstance whatsoever, regardless of fault, save and except in the instance of a catastrophic occurrence directly and substantially affecting the Contractor's operations and resulting in unavoidable delay of the cleanup. In the event of a catastrophic occurrence on a specific site, the SCDHEC shall determine the number of months reasonably necessary and due solely to such catastrophic occurrence to extend the Site Incentive Period. Any amendments to the Site Incentive Period will be provided to the Contractor in writing.

The parties anticipate that routine delays may be caused by or arise from any number of events during the course of site rehabilitation, including, but not limited to, work performed, work deleted, supplemental agreements, delays, disruptions, differing site conditions, utility conflicts, design changes or defects, extra work, right of way issues, permitting issues, actions of suppliers, subcontractors or other contractors, actions by third parties, expansion of the scopes of the projects by the Contractor to make them functional, weather, weekends, holidays, suspensions of the Contractor's operations, or other such events, forces or factors experienced in environmental work. Such delays or events and their potential impacts on performance by the Contractor are specifically contemplated and acknowledged by the Contractor in entering into this Contract, and shall not affect the Site Incentive Periods or incentives set forth above. Further, any and all costs or impacts whatsoever incurred by the Contractor in accelerating the Contractor's work to overcome or absorb such delays or events in an effort to complete the sites within the Site Incentive Periods, regardless of whether the Contractor successfully does so or not, shall be the sole responsibility of the Contractor in every instance.

The Contractor shall have no rights under the Contract to make any claim arising out of this incentive provision except as is expressly set forth in this provision.

The Site Incentive Periods for this project is as follows:

Permit #	Site Name	Appendix	Site Incentive Period
07584 & 07777/12352	Handy Pantry # 65 & Cloud's Chevron	A	36 months

4. SITE SPECIFIC DETAILS: Brief technical summaries of the releases, including location map and specifics of existing wells for each site are attached in Appendix A. The complete technical file for each site will be available for review through the Freedom of Information (FOI) Office located at the Stern Building, 8911 Farrow Road, Columbia, SC. **Offerors are strongly**

encouraged to review the files to ensure a complete understanding of the project requirements. The successful offeror will be responsible for all information in the technical files. Appointments to view the technical files may be scheduled on weekdays between the hours of 8:30 A.M. to 5:00 P.M. by calling the SCDHEC Freedom of Information Office at (803) 898-3882. **NOTE: Free-phase product is present at these sites. The application of corrective action technologies or natural fluctuations in the water table can result in the mobilization or possible appearance of additional free-phase product or elevated CoC concentrations in the monitoring wells.**

III. SPECIFICATIONS for CORRECTIVE ACTION

A. GENERAL SPECIFICATIONS

1. SUBMITTALS: All offerors must meet the following specifications for the site as required by the proposed treatment method(s) or corrective action technology(ies). Submit the Corrective Action Solicitation Response. The response will outline in general terms an approach to achieve the remediation goals (e.g., reduction of each CoC to SSTL). The proposal must outline the following:
   a) A description of the proposed treatment method(s) or technology(ies) for corrective action.
   b) The amount of time in months to complete site rehabilitation to meet the remediation goals, install verification wells, and remove or abandon all assessment and remediation items.
   c) The total cost (in U.S. dollars) to complete site rehabilitation to meet the remediation goals and to remove or abandon all assessment and remediation items.

2. MINIMUM REQUIREMENTS: Corrective action will be considered complete at the site once the FPP thickness does not exceed 0.01 foot and levels of CoC are verified to be at or below the SSTLs listed in the Appendix for that site and SSTLs calculated for any point in the area of concern, and all remediation and assessment items installed by the contractor (e.g., wells [including pre-existing wells], trenches, etc.) are removed or abandoned. See Contract Item III.B.10 for the method of verification. All rehabilitation activities associated with a UST release must be performed by a SCDHEC certified Class I Site Rehabilitation Contractor as required by R.61-98. All corrective action plans and reports must be sealed by a Professional Engineer or Professional Geologist registered in the State of South Carolina. All engineering reports, drawings and plans must be sealed by a Professional Engineer registered in the State of South Carolina. All laboratory analysis for CoC must be performed by a SC certified laboratory. All monitoring, verification, injection, or recovery wells must be installed and abandoned by a SC certified well driller. The corrective action methods or technologies will be designed to prevent vapors from entering onsite or adjacent structures. All applicable certification, training, permits, applications, and fees associated with well installation; injection, discharge, treatment, or transportation of groundwater, air, or soil; construction or operation of a remediation system; and any other action requiring a permit are the responsibility of the contractor. Any required business or occupation license and occupational safety and health training (e.g., OSHA) as defined by the laws and regulations of the United States of America, the State of South Carolina, the county or city is also the responsibility of the contractor. The terms and conditions of all applicable permits will be met. Any FPP, contaminated groundwater, soil, or construction material must be properly transported and disposed of, or treated at an approved facility with prior approval from SCDHEC. Any costs for utilities construction and service (electric, telephone, sewer, etc.) required by the corrective action are the responsibility of the contractor.

B. PERFORMANCE REQUIREMENTS

1. CORRECTIVE ACTION PLAN: The successful contractor must complete and submit a detailed Corrective Action Plan for each site in the Appendices within 30 days from the date the Purchase Order is issued by the Bureau of Business Management. Copies of the CAP must be distributed in accordance with Section II.A.8. **NOTE: Use of monitoring well(s) for injection, extraction, or free-phase product recovery purposes is not allowed.** A condition of the CAP may include installation of additional recovery, sparge, compliance, or injection wells. The CAP must define all active (pump and treat, sparge, vapor extraction, excavation of impacted soils, bioremediation, etc.) and passive (intrinsic remediation, monitoring, etc.) corrective action method(s) proposed to reduce CoC to SSTLs. It must be shown, by use of scientific models, computations, or discussion, how each CoC will be reduced to the SSTL for each remediation method proposed for the release. Any assumptions used in a model will be listed or shown, as well as appropriate references. All corrective action will require monitoring to verify remediation. General construction details will be included (e.g., install four additional recovery wells, construct a compliance point, install four air injection wells, excavate 3,000 cubic yards of impacted soils, etc.) as well as details of well abandonment and equipment removal. **The corrective action method(s) or technology(ies) will be designed to prevent vapors from entering onsite or adjacent structures.** A remediation timetable including abandonment of wells and removal of equipment will be included with each CAP. The Bureau of Land and Waste Management, UST Program will review each CAP and initiate a public notice period for a maximum of 30 days. The names and addresses of the owners of all impacted properties and all properties located adjacent to the impacted properties are provided in the appendix for each site. The contractor may be required to attend and provide input at one or more public meetings upon request by SCDHEC. Any CAP amendments and modifications arising from public notice must be submitted within 15 days of notification by SCDHEC. The CAPs and any amendments or modifications must be sealed by a qualified Professional Geologist or Engineer registered in the State of South Carolina. The owner/operator of each site and any other affected property owners will be consulted and will approve the location of the corrective action systems. Permanent systems must be enclosed in fenced areas or small buildings.

2. PERMIT APPLICATIONS: Complete and submit all applications for permits (injection, NPDES, BAQC modeling form, thermal treatment, construction, etc.) with the CAP for each site. All submitted applications must comply with the requirements of the respective permitting program. Any required permit changes or corrections will be submitted within 15 days of notification by SCDHEC.

3. INITIAL MONITORING REPORT: An initial monitoring report for each site documenting FPP thicknesses or CoC concentrations in all wells and potentiometric conditions prior to start up must be submitted to the Bureau of Land and Waste Management, UST Program **within 45 days** after award. Copies of the initial monitoring report must be distributed in accordance with Section II.A.8.

   Based on naturally occurring conditions, the FPP thickness or dissolved concentration of petroleum chemicals of concern (CoC) will increase or decrease. For the purposes of this

contract, the total FPP thickness and CoC concentration for the wells included in the bid package may reasonably increase up to 150 percent or decrease as much as 50 percent. If the total FPP thickness or CoC concentration in all wells for any included site increases more than 150 percent based on this initial sampling or if measurable free-phase product that has not been previously documented in any report is detected during the initial sampling event, the contractor may request in writing that the award for that site be canceled. **If either of these conditions occurs, the contractor will contact the UST project manager within two days of problem identification and will submit written documentation within five days of notification.** The contractor will be reimbursed based on the following rate schedule:

Subcontract Costs*	Invoice + 15%
Personnel Mobilization	$ 125.00
Equipment Mobilization	$ 250.00
Groundwater Sample Collection	$ 35.00 each
Gauging Free-phase Product	$ 30.00 per well
Wastewater Disposal	$ 90.00 per drum
CAP Preparation and Assoc. Costs	$6,000.00

* Includes laboratory, drilling, electrical, etc.

The rate schedule above does not apply in the event that the corrective action award is voided due to a breach of contract in accordance with Contract Item II.A.10. The contract will be amended to remove the site in question and the performance bond or irrevocable letter of credit for that site will be returned to the contractor. If the total FPP thickness or CoC concentration in all wells for any included site decreases more than 50 percent based on this initial sampling the SCDHEC may amend the award to remove the site in question. If the contract is amended by SCDHEC to remove a site, the contractor will be notified by certified letter and an invoice for the above outlined items for that site shall be submitted within 20 days from the date of the certified letter. If the corrective action system is started or treatment is performed, the contractor will be required to complete the contract unless circumstances as outlined in Contract Item II.A.11 are encountered. **Once CAP implementation has been initiated under this contract, in the event of a cancellation due to the prescribed circumstances and before any concentration reduction has been achieved, final payment will not exceed 40 percent of the award price under any circumstances as no reduction of CoC concentration has been accomplished.**

4. CORRECTIVE ACTION PLAN IMPLEMENTATION: After completing review of the CAP and all permit applications submitted for each site, the Bureau of Land and Waste Management, UST Program will issue a notice to proceed with CAP implementation. The contractor will implement the CAP within 30 days of receipt of the notice to proceed and any required permit to construct. Disruption to the normal business at the sites will be kept to a minimum. The contractor will repair each site to the condition that existed prior to installation of the corrective action system (e.g., asphalt paved areas will be repaved with asphalt, concrete areas replaced with concrete, grass area will have soil replaced to the original grade and reseeded or sodded with grass, etc.). Upon completion of any required construction, SCDHEC will inspect the system and issue a permit to operate. The contractor will, at all times, keep the sites free from waste materials and rubbish related to the corrective action. Until completion of the corrective action, the contractor will keep the premises in a clean, neat and workmanlike condition satisfactory to SCDHEC. All

soil and wastewater generated on site will be removed from the each site promptly. Manifests documenting the proper disposal of the soil and wastewater must be included in the appropriate report.

Implementation of the CAPs is not authorized until the contractor receives correspondence from the UST Program indicating that the required public notice period has been successfully completed and all permits have been issued. If premature implementation occurs, the UST Program will not reimburse those costs from the SUPERB Account, and the bid award will be reduced by that amount. If the SCDHEC agrees with early implementation to better protect human health in an emergency and provides approval in writing, early implementation without any reduction to the corrective action amount will be authorized.

5. PROPERTY ACCESS: Gain access to the adjacent properties to sample monitoring wells and to install any corrective action equipment, as required. The contractor will repair the adjacent properties to the conditions that existed prior to installation of the corrective action system (e.g., asphalt paved areas will be repaved with asphalt, concrete areas will be replaced with concrete, grass areas will have soil replaced to the original grade and reseeded or sodded with grass, etc.). The Contractor will be responsible for any equipment/wells installed on adjacent properties. Costs to repair/replace components of the remediation system damaged due to the actions of adjacent property owners cannot be paid by the SUPERB Account.

6. SYSTEM START-UP: The Contractor will initiate system startup within 15 days of receipt of the Permit to Operate, if required. Remediation as defined in the CAP for each site will begin upon system startup. **If any problem with CAP implementation occurs, the contractor will contact the UST project manager for the site within 24 hours of problem identification and will submit written documentation within five days of notification.** ***NOTE: Free-phase product is present at these sites. The application of corrective action technologies or natural fluctuations in the water table can result in the mobilization or possible appearance of additional free-phase product or elevated CoC concentrations in the monitoring wells***

7. REPORTING: Complete and submit a corrective action system evaluation (CASE) report on a quarterly basis. Deliver one copy of each report to: SCDHEC, Bureau of Land and Waste Management, UST Program, 2600 Bull Street, Columbia, SC 29201. A copy of each report for each site in the appendices must be delivered to the parties listed on the Distribution List included in the appendix for each site. The first quarter CASE report for each site is due within 90 days of the permit to operate. The CASE reports must include:

   A. A narrative portion that documents current site conditions, verification of system operation or CAP implementation, and system effectiveness in achieving the remediation goals (e.g., removal of FPP, reducing CoC to the SSTLs) as outlined in the CAP. Any system down time and the associated reason(s) will be included in the report.
   B. Conclusions and recommendations based on the reported data.
   C. Groundwater laboratory analytical data for all monitoring wells in the following format (additional parameters such as dissolved oxygen may be required):

Analytical Data (µg/l)

Monitoring Well	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene
MW-1	7/15/97 10/15/97	145 140	200 190	146 140	1,000 900	170 50	47 165
MW-2	7/15/97 10/15/97	580 480	800 90	300 257	1,000 912	60 50	20 19

D. Groundwater potentiometric data for all monitoring wells in the following format:

Groundwater Data (feet)

Monitoring Well	Date	TOC Elevation	TOC to GW	TOC to FP	FP Thickness	GW Elevation
MW-1	7/15/97 10/15/97	98.0 98.0	17.54 17.90			80.46 80.10
MW-2	7/15/97 10/15/97	100.0 100.0	20.50 21.50	20.47 21.48	0.03 0.02	79.50 78.50

E. A groundwater elevation contour map of the site based on current groundwater potentiometric data.

F. A CoC map based upon current groundwater laboratory analytical data. The groundwater data should be adjacent to the relevant monitoring well using the following format (additional parameters such as dissolved oxygen may be required):

MW - Number
Benzene (µg/l)
Toluene (µg/l)
Ethylbenzene (µg/l)
Xylenes (µg/l)
MTBE (µg/l)
Naphthalene (µg/l)

G. Calculation of CoC concentration reduction as outlined in Contract Item II.A.9.

H. A copy of the SCDHEC approval letter and manifests for any contaminated soil and groundwater removed from the site for treatment and/or disposal.

I. Additional data required by permits (e.g., air analyses, wastewater effluent analyses and amounts, etc.). The data should be reported on a form or in a format specified in the permits, and attached to the monitoring report as an addendum.

All rehabilitation activities associated with the UST releases must be performed by a SCDHEC Certified Class I Site Rehabilitation Contractor. All air, soil, and groundwater analyses must be

performed by a South Carolina certified laboratory. The corrective action monitoring reports must be sealed by a Professional Engineer or Geologist registered in the State of South Carolina. All monitoring wells, water supply wells, and surface water locations associated with each release will be sampled on a quarterly basis for the first year following implementation/system start-up. CASE reports must be submitted in accordance with the established monitoring schedule regardless of the operational status of the corrective action system. Thereafter, the number of monitoring wells sampled may be reduced or the interval between CASE reports may be lengthened upon clear demonstration of CoC reduction, unless restricted by permit requirements. Approval of any reduction in the number of wells to be sampled or change in the interval between submittal of CASE reports is at the sole discretion of SCDHEC. Any approval to reduce the number of wells sampled or the frequency of sampling must be in writing from the UST Program. SCDHEC may require data to be reported on a form or in a specific format. The contractor will be provided with the proper report forms and format prior to system startup. The contractor will be notified of any revisions to the report forms or format 90 days prior to the due date for the next CASE report.

8. GROUNDWATER & ADDITIONAL SAMPLING: Collect one (1) water sample per monitoring event for all monitoring wells, water supply wells, and surface water locations associated with the release for each site (see Appendix A). If free-phase product appears that was not documented in the baseline data, the thickness of product and depth to groundwater must be recorded to the nearest 0.01 foot. If required, the well shall be purged prior to sampling and pH, temperature, dissolved oxygen, and specific conductance recorded. For those monitoring wells where the water level is within the screened interval, groundwater samples should be collected without purging. For those monitoring wells where the water level is not within the screened interval, purging must be conducted. All water supply wells must be purged prior to sampling. Purging is considered complete once three well volumes have been removed or the pH, temperature, dissolved oxygen, and specific conductance have equilibrated, yielding two consecutive readings with all parameters within ± 10 percent, whichever comes first. Sampling logs should note all field measurements, as well as the location and type of each sample submitted for laboratory analysis. Each groundwater sample will be collected in accordance with established QA/QC protocol and submitted to a certified laboratory for analysis. The samples must be analyzed for the parameters listed in the appendix for each site.

   Additional samples (air, groundwater, effluent, soil) required by permits must be collected in accordance with established QA/QC protocol and submitted to a certified laboratory for analysis. The samples will be analyzed for parameters stipulated in the permits. Sampling and analytical data for each sample (e.g., field sampling logs, chain of custody forms, certificates of analysis, and the lab certification number) will be included in the CASE report.

9. DISPOSAL: Properly dispose of all contaminated soil and groundwater generated during the implementation of the CAP and installation of verification wells for each site. The disposal facility selected for treatment and disposal of any contaminated soil and groundwater must be a SCDHEC-approved facility. The owner/operator of the UST facility is considered the generator for any contaminated soil and groundwater. The contractor must document disposal of contaminated soil and groundwater in the CASE reports.

10. QUALITY ASSURANCE: If the remediation technology is in-situ (e.g., pump and treat, air sparging, vapor extraction): suspend operation of the system once the remediation goals for FPP and all CoC have been maintained for a period of 30 days. Samples are to be taken one (1) quarter after the date established by the SCDHEC as the start of the post-remediation verification period and again after a second quarter. Along with the parameters listed in the appendix for each site, the groundwater samples should also be analyzed for the following parameters:

Analyte	Analytical Method*	Reporting Limit (µg/l)
Dissolved Oxygen	SM4500-O G	500
Ferrous Iron	SM3500-Fe D	30
Methane	Kerr	1000
Nitrate	9056/9210	100
Sulfate	9038/9056	1000

*or EPA equivalent method that can achieve the same reporting level

If sample results indicate that the remediation goals are not sustained, the contractor must submit a corrective action status report (3 copies) that outlines the deficiency(ies) and offers recommendations for achieving the remediation goals with a revised timetable. Modifying and restarting of the system may be necessary. All remediation goals must be again maintained for a minimum of 30 days. Corrective action will then be suspended again and samples taken to verify that remediation goals are sustained. This cycle of activity, including status reports, will be repeated until all CoC levels remain below SSTLs for all wells listed in the appendix for each site for two (2) consecutive quarters. Verification wells may be installed at locations and depths designated by SCDHEC (See Appendices for number of verification wells for each site). Costs for verification well installation are considered part of the Cleanup Cost. Each well will be sampled in accordance with Contract Item III.B.8 and the analyses compared to the calculated SSTLs for the CoC at that well location. If the laboratory analyses are at or below the SSTLs, corrective action will be considered complete. If any analyte is above the SSTL, the corrective action will not be considered complete, and the activity cycle described above must be repeated until all CoC levels remain below SSTLs for those wells listed in the appendix for that site. Split or duplicate samples may be collected by SCDHEC (or its subcontractors) to verify achievement of remediation goals. In addition to the groundwater collected from the monitoring wells, the UST Program may provide up to three standards or prepared blanks for the contractor's laboratory to analyze. The laboratory analysis from the contractor's and the UST Program's laboratory will be compared. In the event of substantial variance (more than 15%), a second sampling event with field and trip blanks will be sent to a SC certified laboratory by the UST Program for analysis. The contractor will be notified when the wells will be resampled, can observe this second sampling event, and will be provided analytical results for comment. SCDHEC Laboratory Certification will be provided copies of all sample data sets with all relevant quality assurance/quality control data to assist the UST program in determining the cause

of a laboratory variation. The Director of the Assessment and Corrective Action Division will make the final decision on which analytical values will be the basis for payment or closure with input from the site rehabilitation contractor, SCDHEC Laboratory Certification, the UST Section Manager, and the UST Project Manager. The site rehabilitation contractor will be provided a written record of any decision. **At least two weeks notice will be provided to the UST Project Manager prior to mobilizing to the site for sampling to verify attainment of remediation goals.** Costs for transportation and analysis of split or duplicate samples will be paid by SCDHEC.

11. DEMOBILIZATION: Disassemble and remove the remediation system and all associated remediation items including utilities from each site within 60 days of notification by SCDHEC that the remediation goal for the release associated with the UST(s) at each site has been achieved. Disruption to the site's normal busine ss will be kept to a minimum.

12. SITE RESTORATION: Properly abandon all monitoring, recovery, and/or injection wells (including pre-existing wells), borings, trenches, and piping/utility runs installed by the contractor as part of corrective action within 60 days of notification by SCDHEC that the remediation goal for the release associated with the UST(s) at the site has been achieved. The abandonment will be in accordance with South Carolina Well Standards and Regulations R. 61-71 and accepted industry standards for abandonment of trenches and piping/utility runs. Disruption to the property owner's normal business will be kept to a minimum. The contractor must notify SCDHEC of the method of well abandonment and final disposal of any contaminated soil or groundwater. The contractor will return the site to the condition prior to corrective action (e.g., asphalt paved areas will be repaved with asphalt, concrete areas will be replaced with concrete, grass areas will have soil replaced to the original grade and reseeded or sodded with grass, etc.).

13. COMPLETION NOTICE: The Contractor shall provide the SCDHEC with written notice at least two weeks prior to Completion. This will allow the Project Manager and Contractor time to jointly inspect the project and, if necessary, make a Completion Punch List of work to be finished. Items on the Punch List may include, but are not limited to well abandonment, pavement repair, debris removal, etc. The date of Completion will be determined by the Project Manager when all Punch List work is completed.

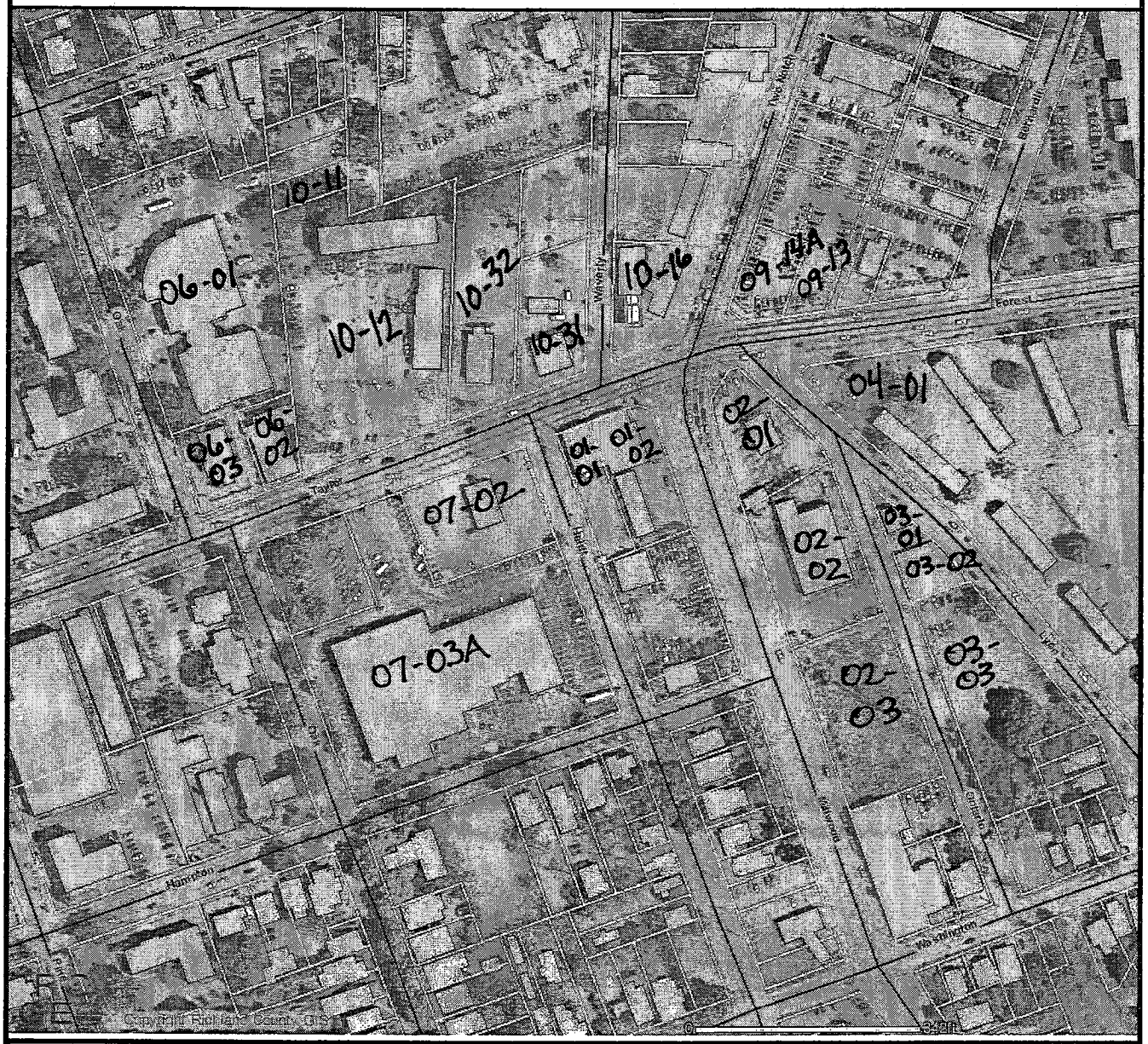
Appendix F

PUBLIC NOTICE

Adjacent Property Owners

R11412-09-13 SITE	Sisters of Charity Providence Hospital, 2409 Forest Dr. Mail- 2753 Laurel St. Columbia 29204
R11412-09-14A	Same as Above
R11411-04-01	Columbia Housing Auth. Gonzales Gardens Attn. Gilbert Walker, 1505 Garden Plaza Mail PO Box 4307 Columbia 29204
R11412-10-16	Fast Point Food Stores, 2367 Taylor St. Mail 2811 Reidville Rd., Ste. 11, Spartanburg 29301
R11408-10-31	Benedict College, 2361 Taylor St. Mail 1600 Harden St. Columbia 29204
R11408-10-32	Sylvan Food Systems, Inc., 2349 Taylor St. Mail 1245 Boston Ave. West Columbia, SC 29170
R11408-10-12	Allen University, 2315 Taylor St. Mail 1530 Harden St. Columbia 29024
R11408-10-11	Benedict College, 1600 Heidt St. Mail 1600 Harden St. Columbia 29204
R11407-06-01	Benedict College, 1600 Oak St. Mail 1600 Harden St. Columbia 29204
R11407-06-03	Benedict College, 1604 Oak St. Mail 1600 Harden St. Columbia 29204
R11407-06-02	Benedict College, 2305 Taylor St. Mail 1600 Harden St. Columbia 29204
R11411-02-01	Betty Gordon Bateman, 2436 Taylor St. Mail PO Box 1026 Columbia 29202
R11411-03-01	Linda L. Warren, 1527 Lyon St. Mail 1527 Lyon St. Columbia, SC 29204
R11411-03-02	Same as Above
R11411-03-03	Columbia Grocery, Inc., NX1513 Lyon St Mail 1510 Ontario St. Columbia, SC 29204
R11411-02-02	WL Boyd III Trustee, 1527 Ontario St Mail 455 Alexander Cir. Columbia, SC 29206
R11411-02-03	James B. Morrison Jr., Ontario St. Mail 1014 Laurens St. Columbia, SC 29201
R11411-01-02	James A. & Marilyn L. Bundrick, 2368 Taylor St. Mail 217 Palmer Dr. Lexington, SC 29072
R11411-01-01	Chang Moon Sueng, 2358 Taylor St. Mail 2358 Taylor St. Columbia 29201
R11407-07-02	Reavelle B Stephenson, 2324 Taylor St. Mail P O Box 465182 Lawrenceville, GA 30042
*R11407-07-03A	Allen University, 2322 Taylor St. Mail 1530 Harden St. Columbia 29024

C-05-11-201



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Richland County GIS
2020 Hampton St.
Columbia, SC 29204

RC GEO

DISCLAIMER : This is a product of the Richland County GIS Department. The data depicted here have been developed with extensive cooperation from other county departments, as well as other federal, state and local governments agencies.Richland County expressly disclaims responsibility for damages or liability that may arise from the use of this map.

PROPRIETARY INFORMATION: Any resale of this information is prohibited, except in accordance with a licensing agreement.

Legend

- County Boundary
- Private Schools
- Public Schools
- Police Stations
- Fire Stations
- County Assets
- Daycares
- Streets
- Buildings
- 2 Ft. Contours
- Streams
- Lakes
- Council Districts
- Zip Codes

Form 1 UIC	D H E C PROMOTE PROTECT PROSPER **Underground Injection Control Permit Application** **Ground-Water Protection Division** (Collected under the Authority of Title 48 Chapter 1 of the 1976 South Carolina Code of Laws)	**I. EPA ID NUMBER** RECEIVED T/A C U DEC 06 2005 UNDERGROUND STORAGE TANK PROGRAM

Read attached instructions before starting.

For Offical Use Only

Application Approved month day year	Date Received month day year	Permit/Well Number

Comments

II. Facility Name and Address	**III. Owner/Operator and Address**
Facility Name Former Handy Pantry #65 Clouds Chevron	Owner/Operator Name
Street Address 2367 Taylor St. 16000 Two Notch Rd.	Street Address 2600 Bull St.
City State Zip Code Columbia SC 29204	City State Zip Code Columbia SC 29201-1708

IV. Ownership Status (Mark "x")

☐ A. Federal ☒ B. State ☐ C. Private ☐ D. Public ☐ E. Other (Explain)

V. SIC Codes

VI. Well Status (Mark "x")

☐ A. Operating | Date Started month day year | ☐ B. Modification/Conversion ☒ C. Proposed

VII. Type of Permit Requested - Class and Type of Well (see reverse)

A. Class(es) enter code(s)	B. Type(s) enter code(s)	C. If class is "other" or type is code "x", explain	D. Number of Wells per type
V.A.	I		47

VIII. Location of Wells or Approximate Center of field or Project

C	A. Latitude				B. Longitude			
I		Deg	Min	Sec		Deg	Min	Sec
		34	0	44		-81	0	34

IX. Attachments A,B,C,D,E,F

Complete the following questions on a separate sheet(s) and number accordingly; see instructions for Classes II, III, and V, complete and submit on a separate sheet(s) attachments A-U as appropriate. Attach maps where required. List attachments by letter which are applicable and include with your application.

X. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

A. Name and Title (Type or Print)	B. Phone No.
Kenneth L. Brooke, PE Project Man.	(678) 377-0400
C. Signature Kenneth L Brooke	D. Date Signed 12/5/05

DHEC2502 (08/1997)

UST PROGRAM DOCKETING # 21660

ATTACHMENT A

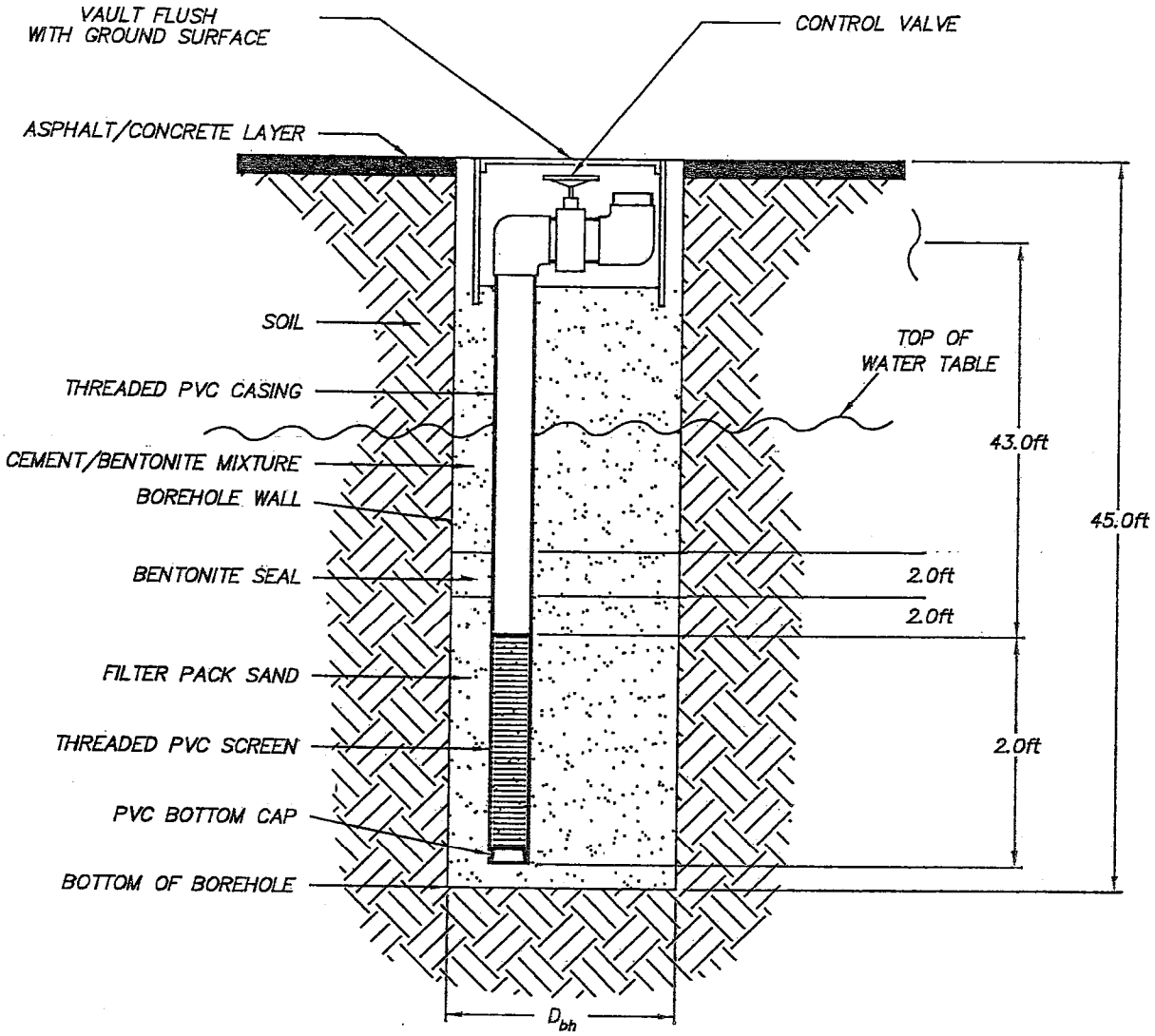
Activity for Review

Air Sparging (AS) utilizing air injection and total fluids recovery (TFR) wells are the proposed remediation technologies for this site. The installation of eight (8) total fluid recovery (TFR) wells and 47 air injection wells (AS wells). The proposed AS wells will each be equipped, at the surface end, with an air-tight manifold valve assemblies through which compressed air will be injected and discharged air will be evacuated. Ambient air will be the injected fluid as is defined by the Underground Injection Control Regulations (R.61-87). The TFR or TFR section of TFAS (total fluid /Air Sparge) wells will be used to withdrawal or extract fluids and vapors. TFR wells will not be used for injection.

ATTACHMENT B

Well Construction Details

Schematics for the proposed the air injection wells (AS-1 through AS-47, AS/TFAS-19, AS/TFAS-23, AS/TFAS-25, AS/TFAS-30, AS/TFAS-31, AS/TFAS-34, AS/TFAS-35, and AS/TFAS-38) are attached as Figures 11 through 18. The total fluid recovery/air-sparge well (TFAS) schematic drawing is depicted in Figure 18. The road crossings for the project are presented in Figures19 through 21.



APPROXIMATE DIAMETER OF BOREHOLE Dbh = 8 in.

INSIDE DIAMETER OF PVC CASING = 2.00 in.

SCREEN SLOTS = 0.010 in.

NOTES: 1. LENGTH MEASUREMENTS ARE IN FEET
2. DIAGRAM IS NOT TO SCALE

CAD FILE: C-05-11-201AS.DWG

DRAWN: SRC	DATE: 12/01/05
SCDHEC FAC. ID#: 07584, 07777, 12352	
PROJECT: HANDY PANTRY #65 & CLOUDS CHEVRON	
PROJECT No.: C-05-11-201	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 11
AIR SPARGE WELL
CONSTRUCTION DIAGRAM
AS-1 THRU AS-18 AND AS-20

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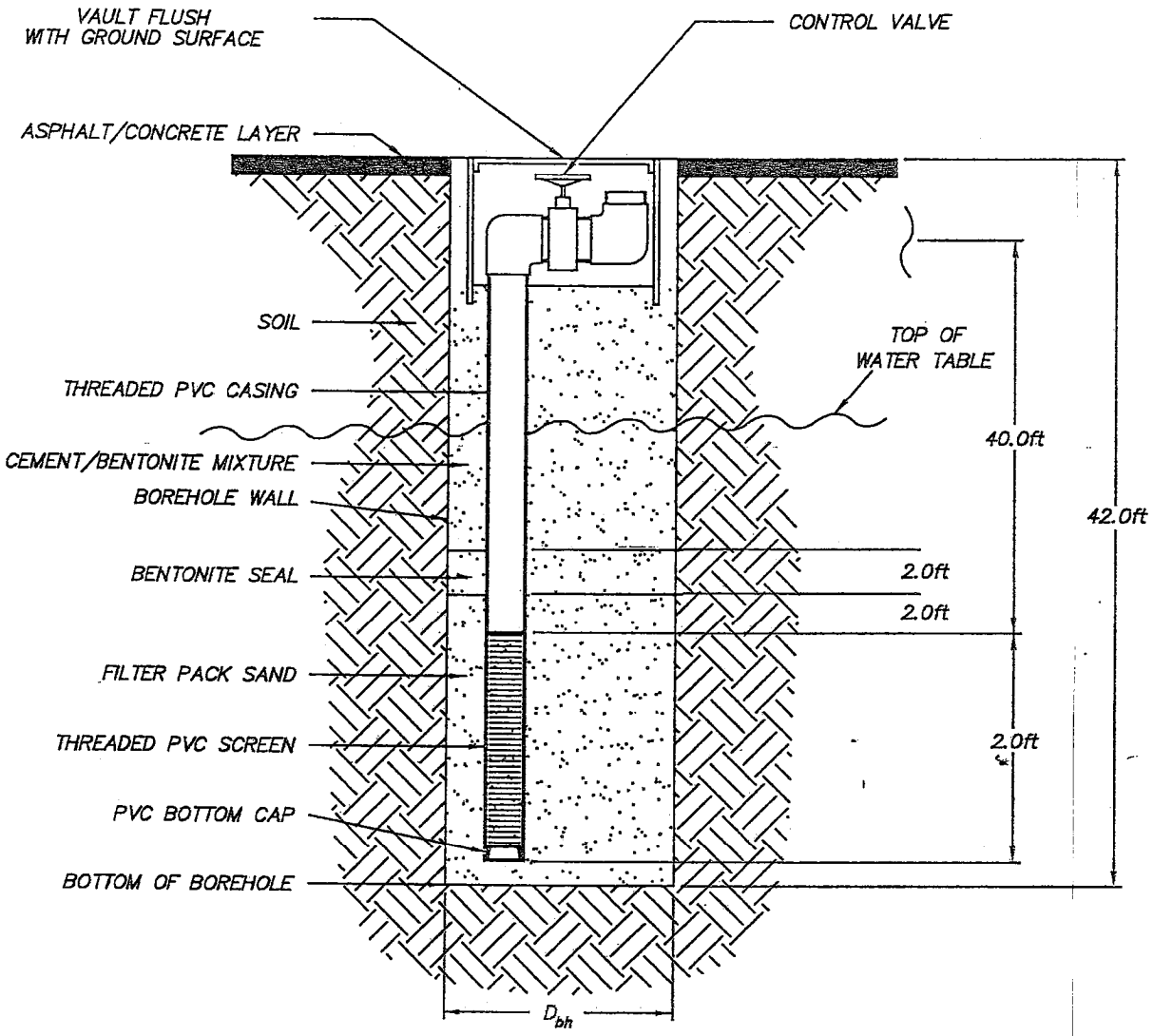

APPROXIMATE DIAMETER OF BOREHOLE Dbh = 8 in.

INSIDE DIAMETER OF PVC CASING = 2.00 in.

SCREEN SLOTS = 0.010 in.

NOTES: 1. LENGTH MEASUREMENTS ARE IN FEET
2. DIAGRAM IS NOT TO SCALE

CAD FILE: C-05-11-201AS.DWG

DRAWN: SRC	DATE: 12/01/05
SCDHEC FAC. ID#: 07584, 07777, 12352	
PROJECT: HANDY PANTRY #65 & CLOUDS CHEVRON	
PROJECT No.: C-05-11-201	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 12
AIR SPARGE WELL
CONSTRUCTION DIAGRAM
AS-21,AS-22,AS-24,AS-27 THRU AS-29
ANS AS-32, AS-33

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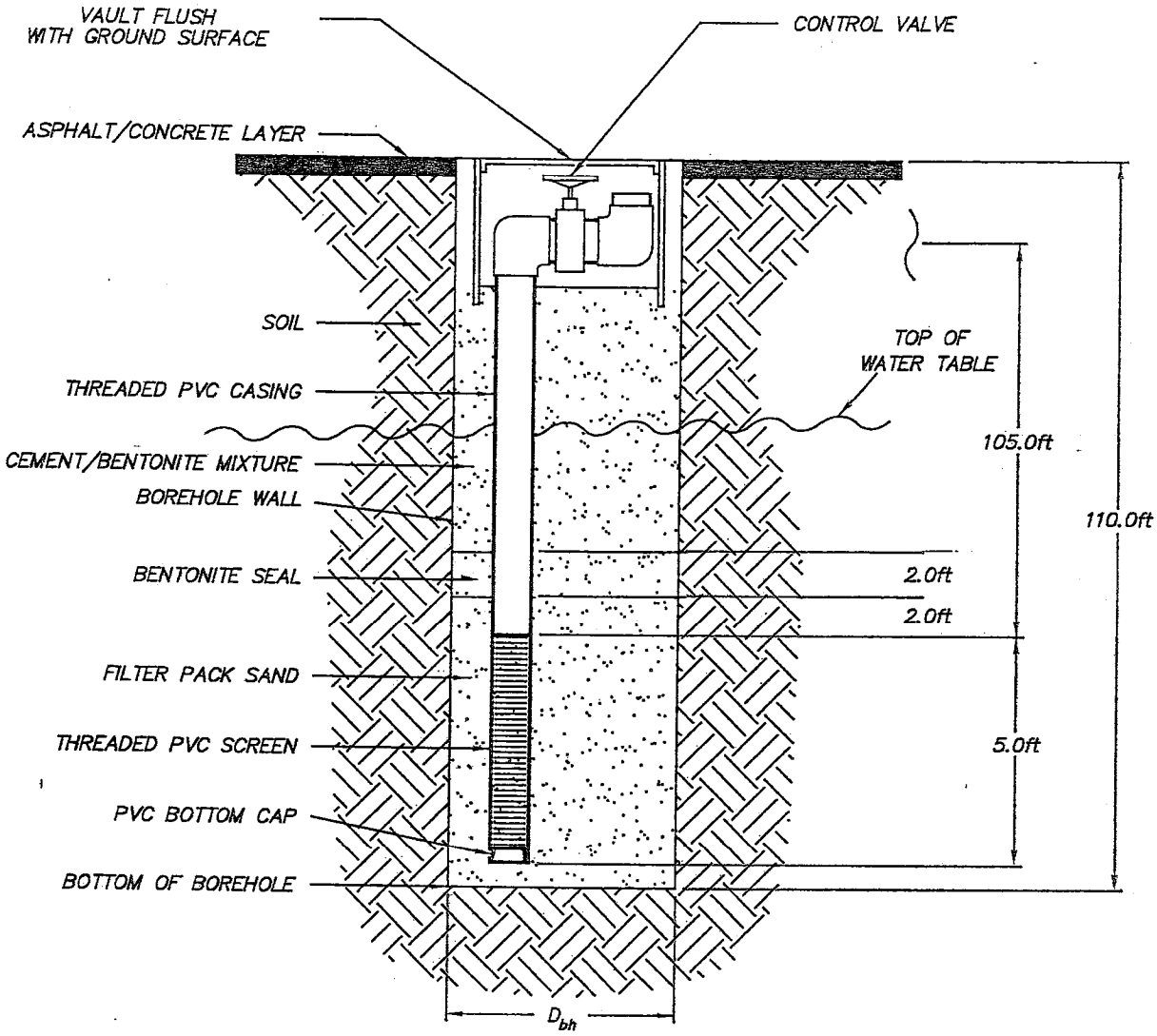

APPROXIMATE DIAMETER OF BOREHOLE Dbh = 8 in.

INSIDE DIAMETER OF PVC CASING = 2.00 in.

SCREEN SLOTS = 0.010 in.

NOTES: 1. *LENGTH MEASUREMENTS ARE IN FEET*
2. *DIAGRAM IS NOT TO SCALE*

CAD FILE: C-1380DAS26.DWG

DRAWN: SRC	DATE: 12/01/05
SCDHEC FAC. ID#: 07584, 07777, 12352	
PROJECT: HANDY PANTRY #65 & CLOUDS CHEVRON	
PROJECT No.: C-1380	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 13
AIR SPARGE WELL
CONSTRUCTION DIAGRAM
DAS-26

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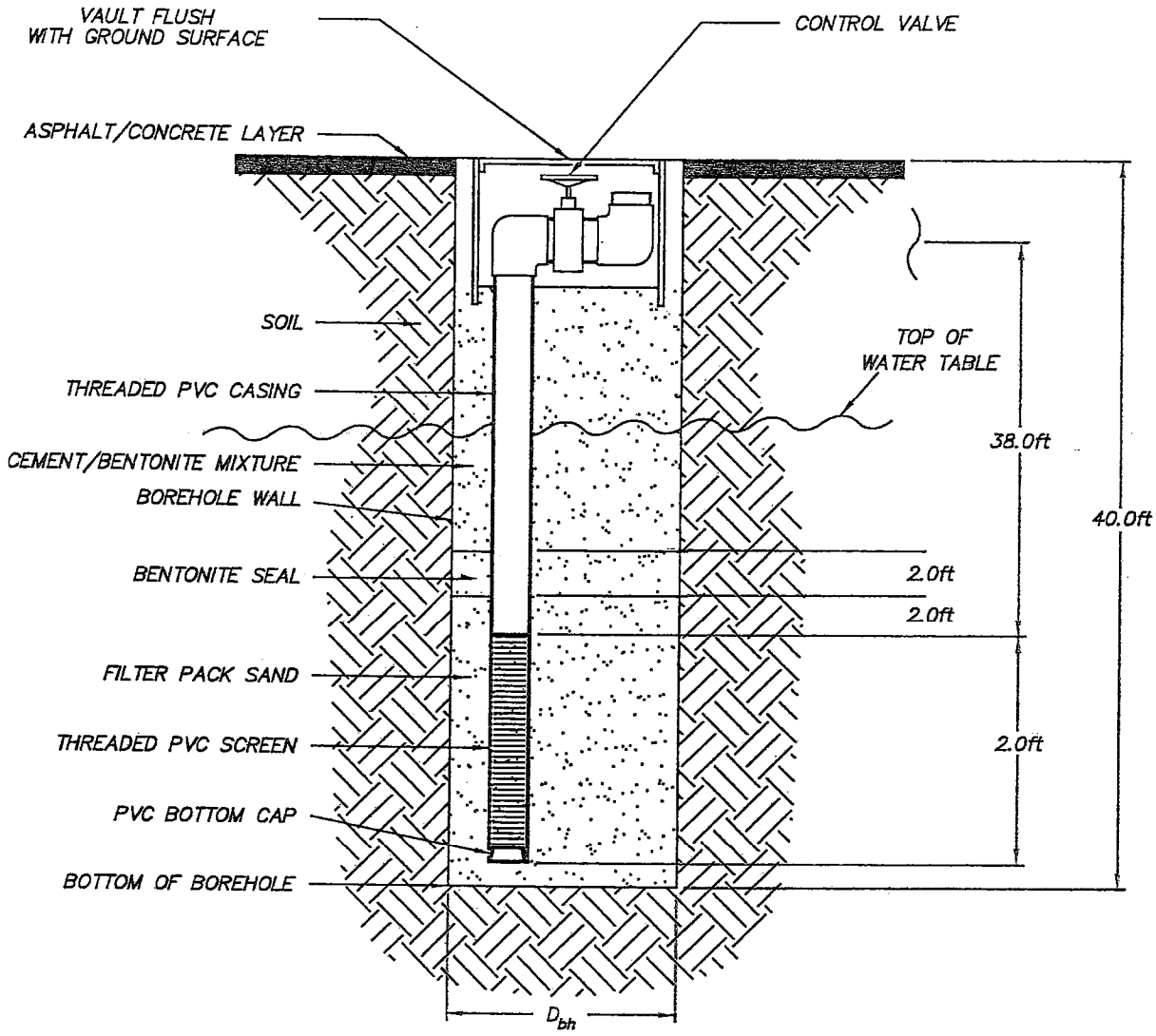

APPROXIMATE DIAMETER OF BOREHOLE Dbh = 8 in.

INSIDE DIAMETER OF PVC CASING = 2.00 in.

SCREEN SLOTS = 0.010 in.

NOTES: 1. LENGTH MEASUREMENTS ARE IN FEET
2. DIAGRAM IS NOT TO SCALE

CAD FILE: C-05-11-201AS.DWG

DRAWN: SRC	DATE: 12/01/05
SCDHEC FAC. ID#: 07584, 07777, 12352	
PROJECT: HANDY PANTRY #65 & CLOUDS CHEVRON	
PROJECT No.: C-05-11-201	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 14
AIR SPARGE WELL
CONSTRUCTION DIAGRAM
AS-36, AS-37, AND AS-39

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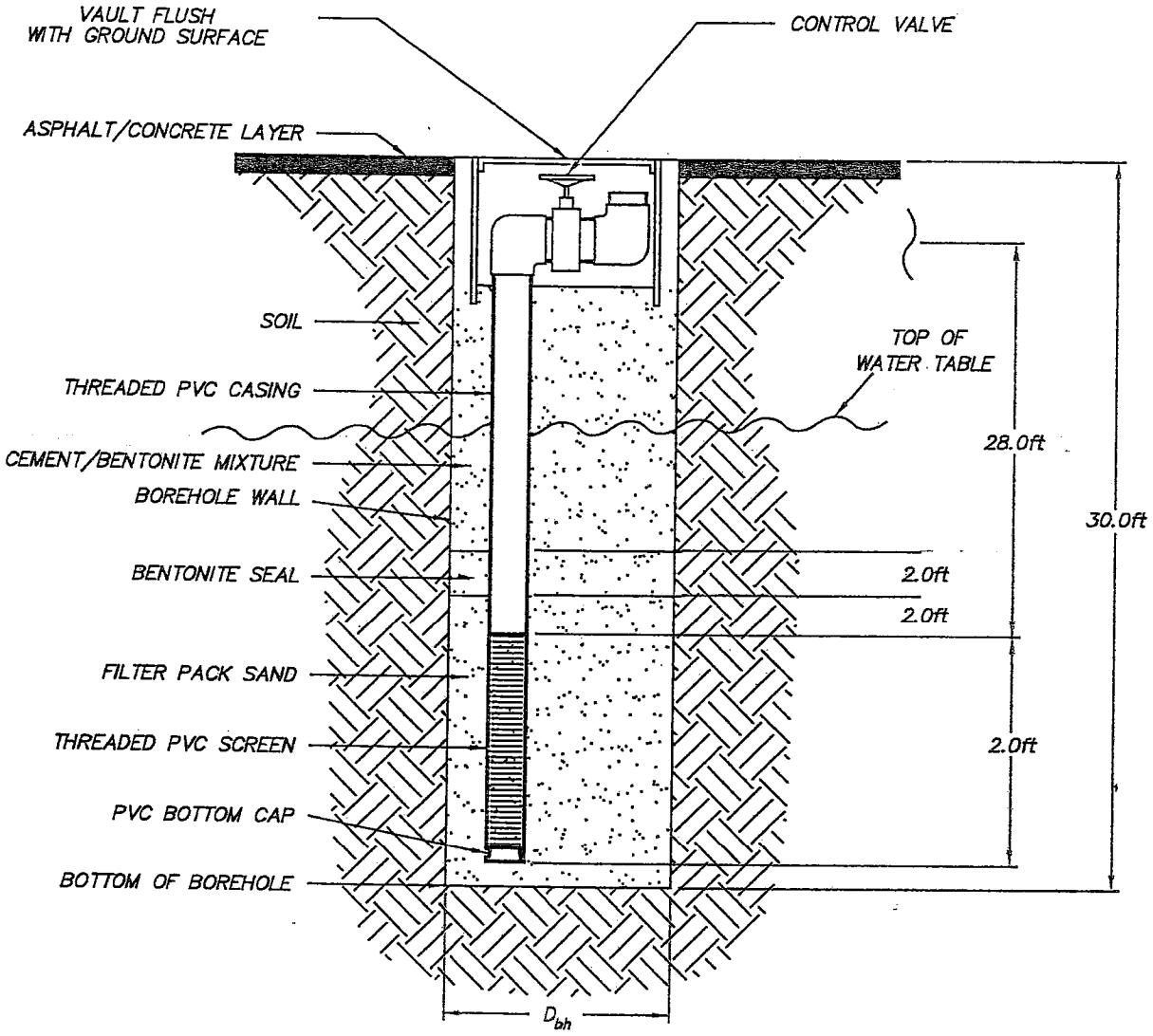

APPROXIMATE DIAMETER OF BOREHOLE Dbh = 8 in.

INSIDE DIAMETER OF PVC CASING = 2.00 in.

SCREEN SLOTS = 0.010 in.

NOTES: 1. LENGTH MEASUREMENTS ARE IN FEET
2. DIAGRAM IS NOT TO SCALE

CAD FILE: C-1380AS40-41.DWG

DRAWN: SRC	DATE: 12/01/05
SCDHEC FAC. ID#: 07584, 07777, 12352	
PROJECT: HANDY PANTRY #65 & CLOUDS CHEVRON	
PROJECT No.: C-1380	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 15
AIR SPARGE WELL
CONSTRUCTION DIAGRAM
AS-40 AND AS-41

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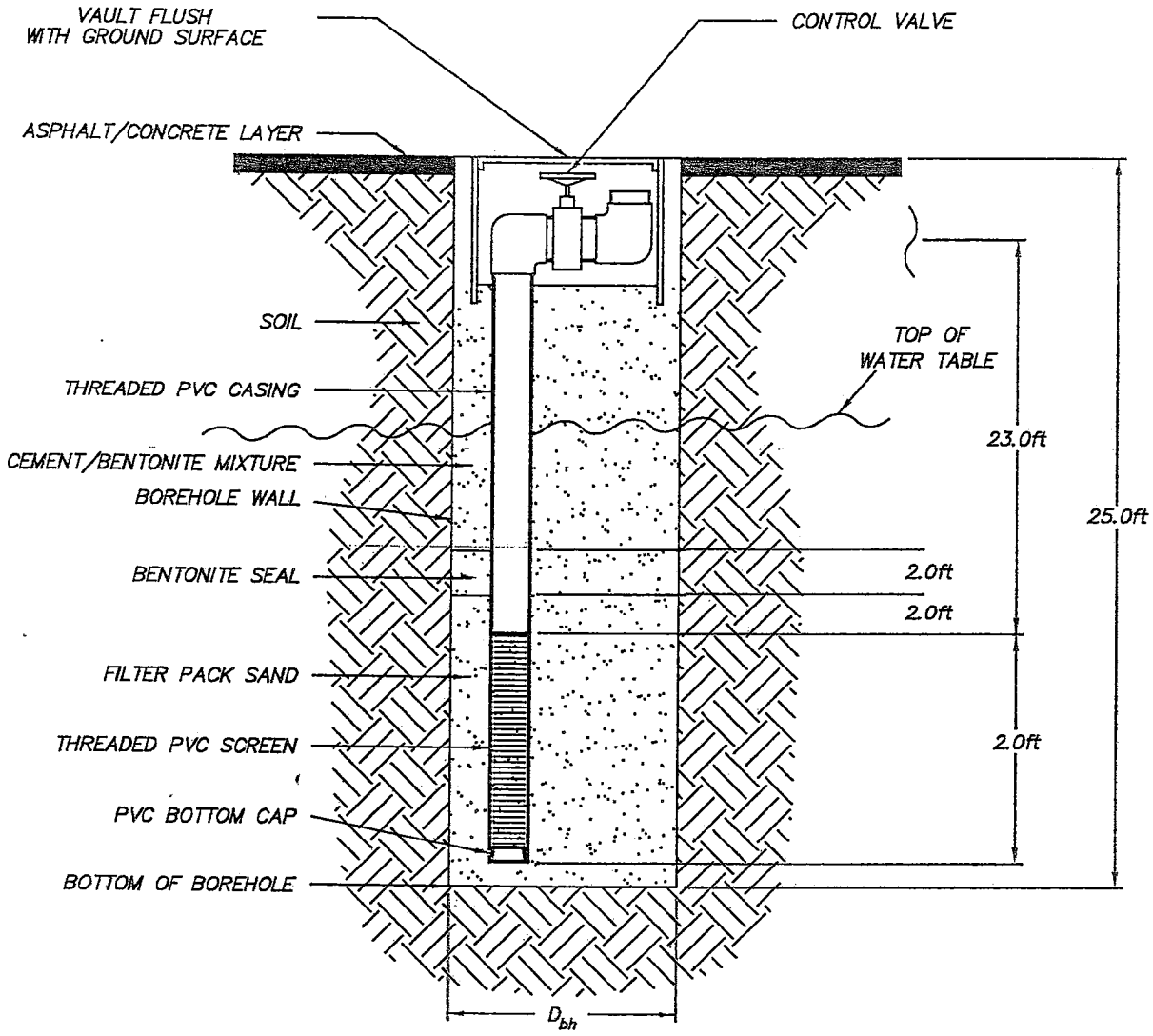

APPROXIMATE DIAMETER OF BOREHOLE Dbh = 8 in.

INSIDE DIAMETER OF PVC CASING = 2.00 in.

SCREEN SLOTS = 0.010 in.

NOTES: 1. LENGTH MEASUREMENTS ARE IN FEET
2. DIAGRAM IS NOT TO SCALE

CAD FILE: C-05-11-201AS.DWG

DRAWN: SRC	DATE: 12/01/05
SCDHEC FAC. ID#: 07584, 07777, 12352	
PROJECT: HANDY PANTRY #65 & CLOUDS CHEVRON	
PROJECT No.: C-05-11-201	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 16
AIR SPARGE WELL
CONSTRUCTION DIAGRAM
AS-42 THRU AS-47

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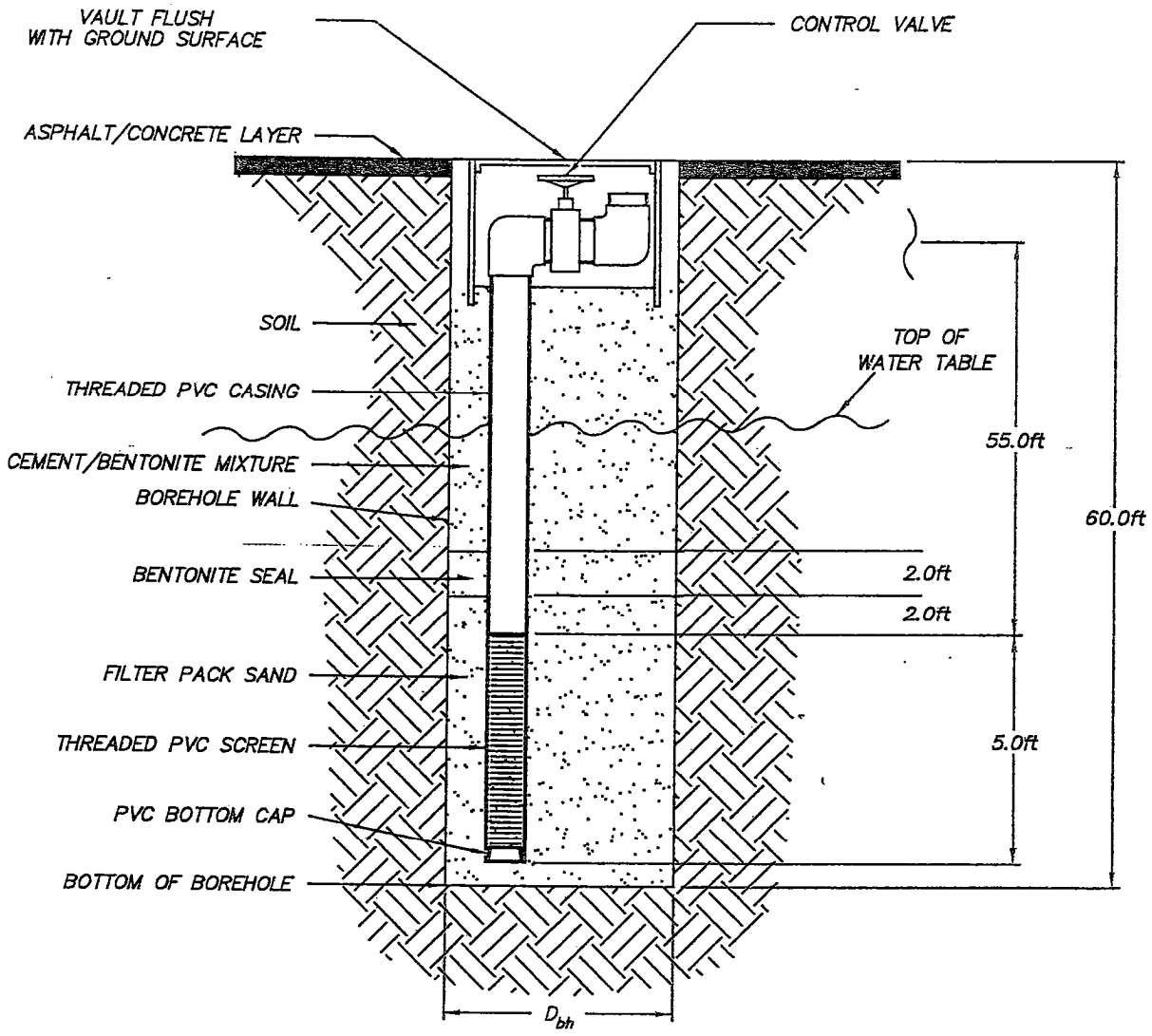

APPROXIMATE DIAMETER OF BOREHOLE Dbh = 8 in.

INSIDE DIAMETER OF PVC CASING = 2.00 in.

SCREEN SLOTS = 0.010 in.

NOTES: 1. LENGTH MEASUREMENTS ARE IN FEET
2. DIAGRAM IS NOT TO SCALE

CAD FILE: C-05-11-201DAS.DWG

DRAWN: SRC	DATE: 12/01/05
SCDHEC FAC. ID#: 07584, 07777, 12352	
PROJECT: HANDY PANTRY #65 & CLOUDS CHEVRON	
PROJECT No.: C-05-11-201	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 17
AIR SPARGE WELL
CONSTRUCTION DIAGRAM
DAS-44

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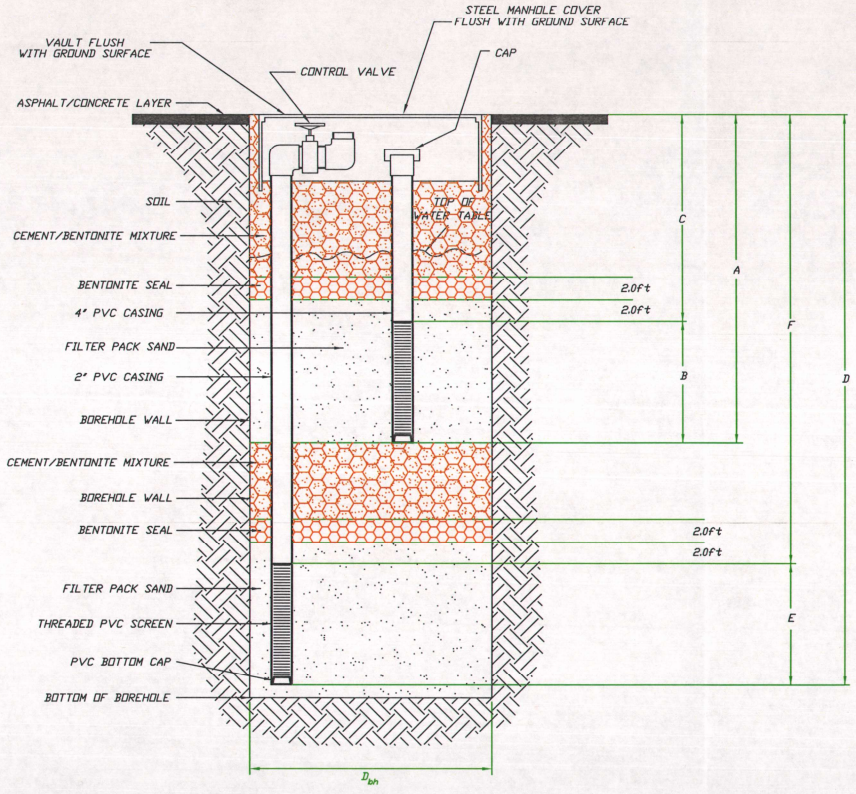

WELLS	A	B	C	D	E	F
TFAS-19	30	10	20	45	2	43
TFAS-23	30	10	20	42	2	40
TFAS-25	30	10	20	42	2	40
TFAS-30	30	10	20	42	2	40
TFAS-31	30	10	20	42	2	40
TFAS-34	30	10	20	40	2	38
TFAS-35	25	10	15	40	2	38
TFAS-38	25	10	15	40	2	38

(ALL MEASUREMENTS ARE IN FEET)

LEGEND

- SAND
- BENTONITE
- CEMENT/BENTONITE

APPROXIMATE DIAMETER OF BOREHOLE Dbh = 12 In.
INSIDE DIAMETER OF TFR WELL PVC CASING = 4.00 In.
INSIDE DIAMETER OF AS WELLS PVC CASING = 2.00 In.
SCREEN SLOTS = 0.010 In.

NOTES: 1. LENGTH MEASUREMENTS ARE IN FEET
2. DIAGRAM IS NOT TO SCALE

CAD FILE = C-05-11-201.dwg.

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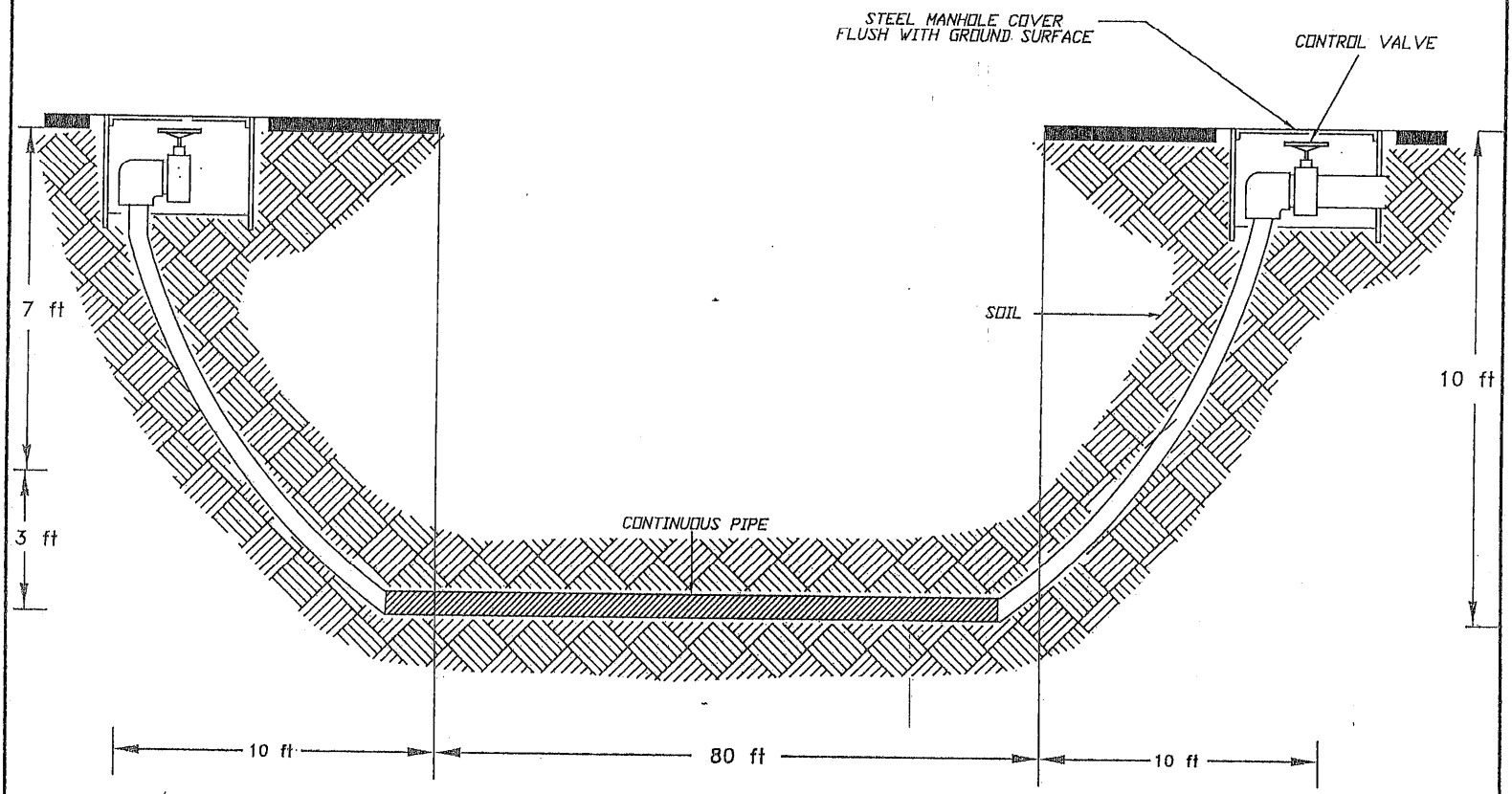
SCDHEC FAC. ID#: 07584, 07777, 12352
PROJECT: HANDY PANTRY #65 & CLOUDS CHEVRON
PROJECT No.: C-05-11-201
LOCATION: COLUMBIA, SC

FIGURE 18
TFAS CONSTRUCTION DIAGRAM



NOTE: DIAGRAM IS NOT TO SCALE

CAD FILE = C-05-11-201HZSVE.dwg.

DRAWN: SRC	DATE: 12/02/05
SCDHEC FAC ID#.: 07584, 07777, 12352	
PROJECT: HANDY PANTRY #65 & CLOUDS CHEVRON	
PROJECT No.: C-05-11-201	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 19
HORIZONTAL CONDUIT
CONSTRUCTION DIAGRAM
FOR TWO NOTCH ROAD CROSSING

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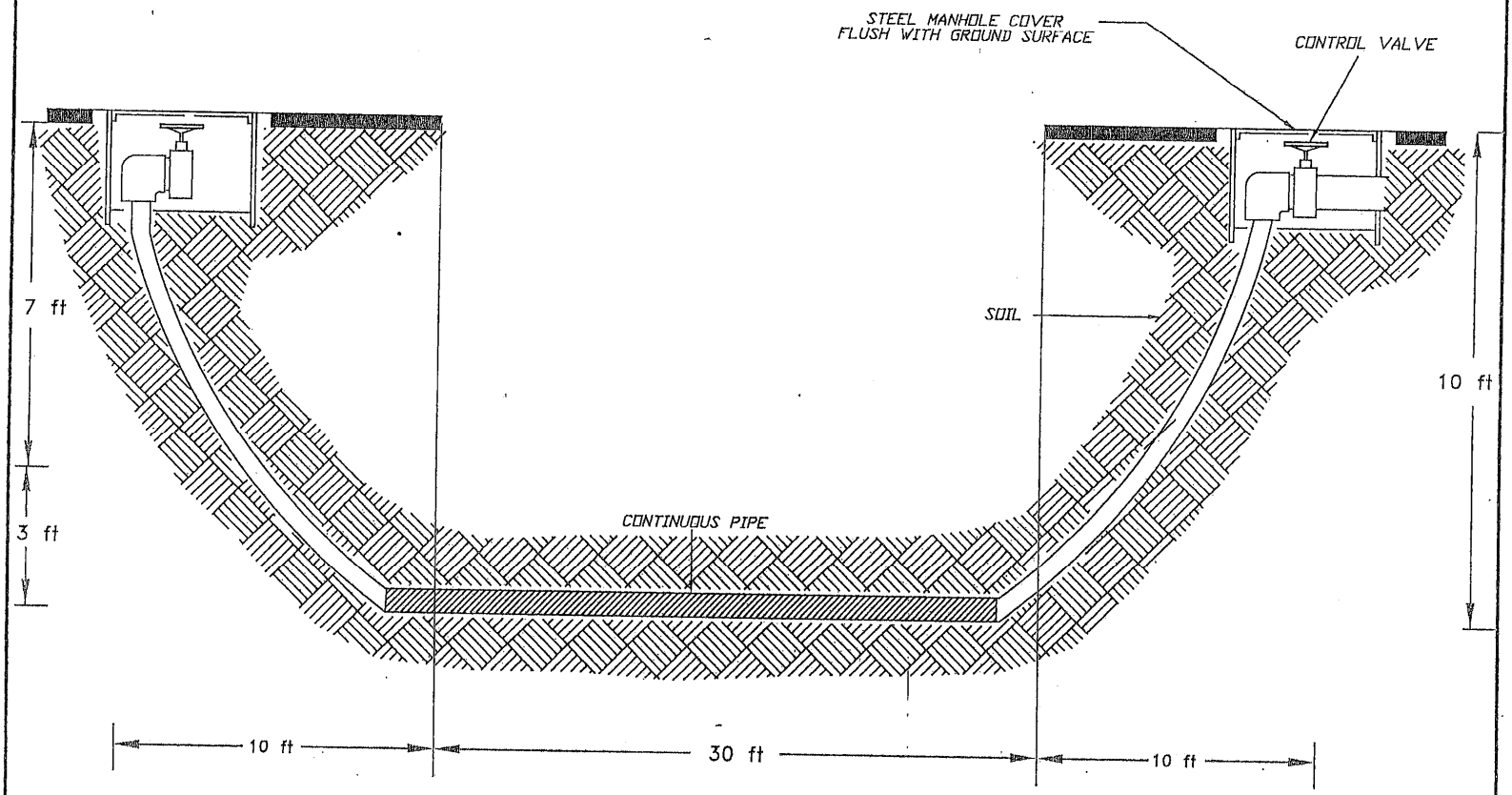

NOTE: DIAGRAM IS NOT TO SCALE

CAD FILE = C-05-11-201HZSVE.dwg.

DRAWN: SRC	DATE: 12/02/05
SCDHEC FAC ID#.: 07584, 07777, 12352	
PROJECT: HANDY PANTRY #65 & CLOUDS CHEVRON	
PROJECT No.: C-05-11-201	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 20
HORIZONTAL CONDUIT
CONSTRUCTION DIAGRAM
FOR ONTARIO STREET CROSSING

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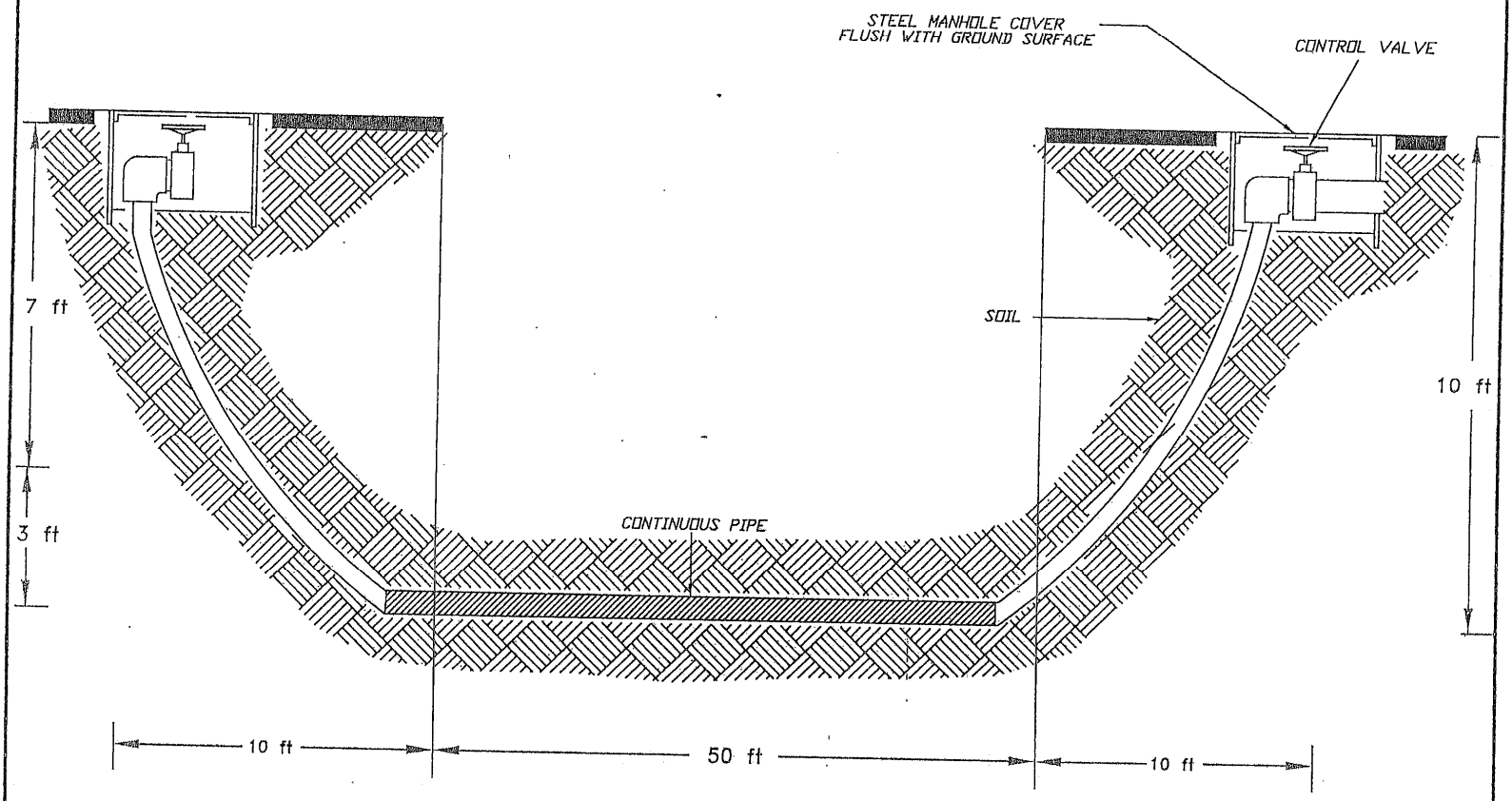

NOTE: DIAGRAM IS NOT TO SCALE

DRAWN: SRC	DATE: 12/02/05
SCDHEC FAC ID#.: 07584, 07777, 12352	
PROJECT: HANDY PANTRY #65 & CLOUDS CHEVRON	
PROJECT No.: C-05-11-201	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 21
HORIZONTAL CONDUIT
CONSTRUCTION DIAGRAM
FOR MILLWOOD AVENUE CROSSING

CAD FILE = C-05-11-201HZSVE.dwg

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ATTACHMENT C

Operating Data

The amount of air being injected into each well can be independently controlled through a ball-valve at the well-head manifold. Regulating the ball-valve will control the volume of air injected into each well. The volume of air injected into each well will be roughly 2-20 cfm per well, operated continuously. At least four, 3-phase rotary screw compressors will be located on-site in three separate equipment compounds. The injected pressure can be controlled at the compressor through a pressure regulator valve. The injection pressure will be regulated to achieve the radius of air sparge influence desired about each injection well. The duration of the injection may be less than continuous as the project proceeds. The TFR or TFR section of TFAS (total fluid /Air Sparge) wells will be used to withdrawal or extract fluids and vapors.

No data on the existence of any contaminate concentration in ambient air at the site is available. It is assumed the injected fluid, ambient air, will be free of any contaminants.

ATTACHMENT D

Monitoring Program

Influent ambient air will be sampled with a portable, organic vapor analyzer immediately prior to system start-up, and subsequently, on quarterly intervals. Each air injection well manifold will include a port fitted with a pressure gauge and a port to allow access for a thermal anemometer. Pressure and flow readings will be recorded at each well upon system start-up, and subsequently, on quarterly intervals.

ATTACHMENT E

Existing or Pending State/Federal Permits

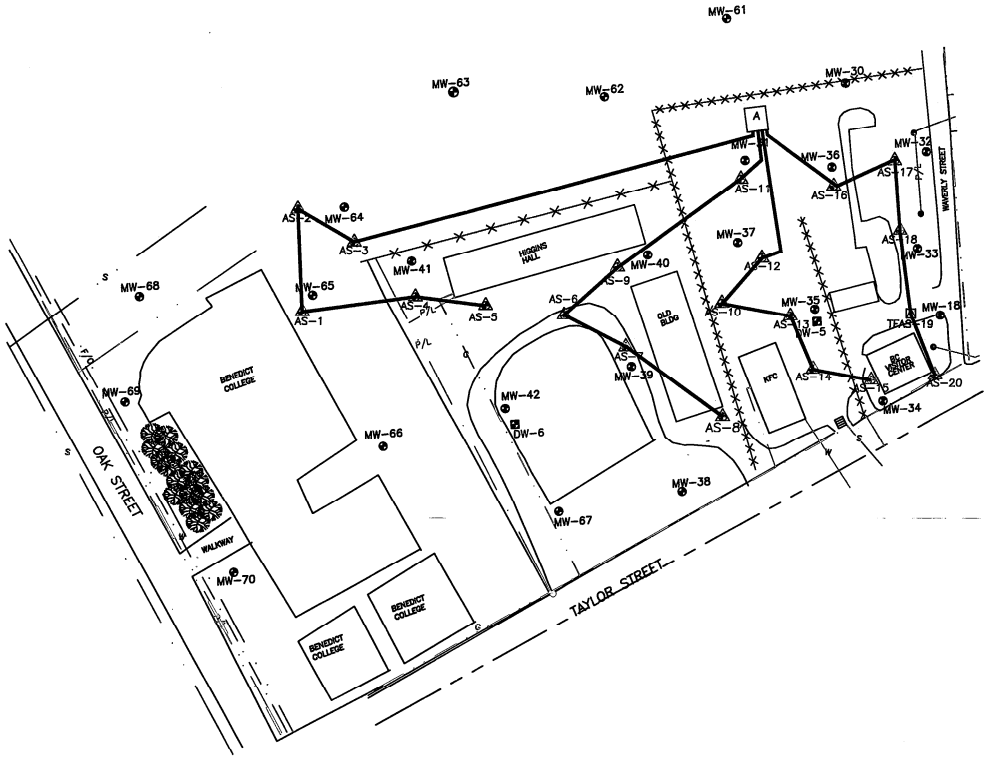
There is no existing Underground Injection Control permit previously issued for this site.

ATTACHMENT F

Description of Business

The Former Handy Pantry # 65 (currently Fast Point # 24 Station) and Cloud's Chevron (currently Providence Hospital Parking) are former retail gasoline service stations. These sites are located in a section of Columbia, SC that is classified as mixed commercial and residential. The dissolved hydrocarbon contamination and free phase liquid hydrocarbons (LPH), originating from the storage tanks, have remained predominantly on each listed site. Some migration of free product from the original UST tank pit area at each site in each storage location has occurred.

Figures 10A, 10B, 10C, and 10D show the proposed locations for the TFAS (TFR well/AS well) and AS wells. Figure 10D has no TFAS or AS wells but is provide to show the entire remediation site.



LEGEND

- MONITORING WELL
- PROPOSED MONITORING WELL
- DEEP WELL
- AIR SPARGE WELL
- TFR AIR SPARGE COMBO
- SYSTEM COMPOUND
- SOIL BORING
- SURFACE WATER SAMPLE
- FORMER UST PIT
- STORM DRAIN DROP INLET
- TELEPHONE POLE
- BORDER
- CHAIN--LINK FENCE
- OVERHEAD POWER LINE
- FIBER OPTIC
- GAS LINE
- SANITARY SEWER LINE
- WATER LINE
- STORM SEWER LINE
- TREES

0 80 160

APPROXIMATE SCALE IN FEET

CAD FILE = C05-11-201A

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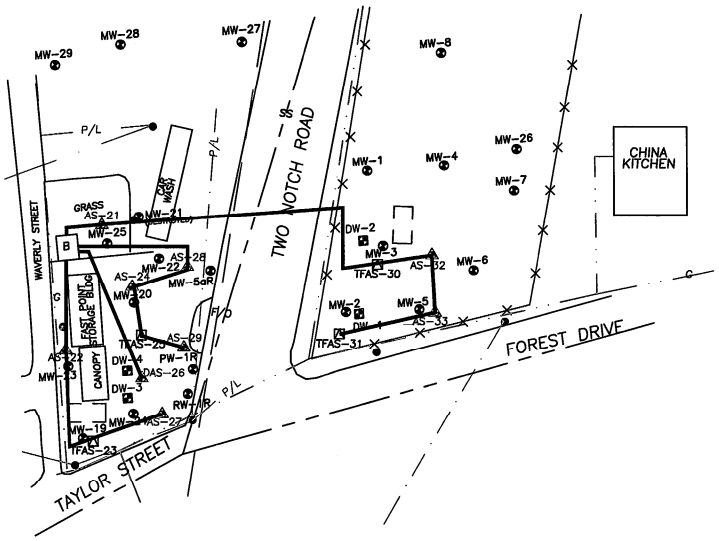
PROJECT: CLOUDS CHEVRON UST#07777	
PROJECT No.: 05-11-201A	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 10A
PROPOSED TFR, AS, AND TFAS
WELL LOCATION MAP



LEGEND

- MONITORING WELL
- PROPOSED MONITORING WELL
- DEEP WELL
- AIR SPARGE WELL
- TFR AIR SPARGE COMBO
- SYSTEM COMPOUND
- SOIL BORING
- SURFACE WATER SAMPLE
- FORMER UST PIT
- STORM DRAIN DROP INLET
- TELEPHONE POLE
- BORDER
- CHAIN-LINK FENCE
- P/L OVERHEAD POWER LINE
- F/O FIBER OPTIC
- G GAS LINE
- SS SANITARY SEWER LINE
- W WATER LINE
- S STORM SEWER LINE
- TREES

0 80 160

APPROXIMATE SCALE IN FEET

CAD FILE = C05-11-201B

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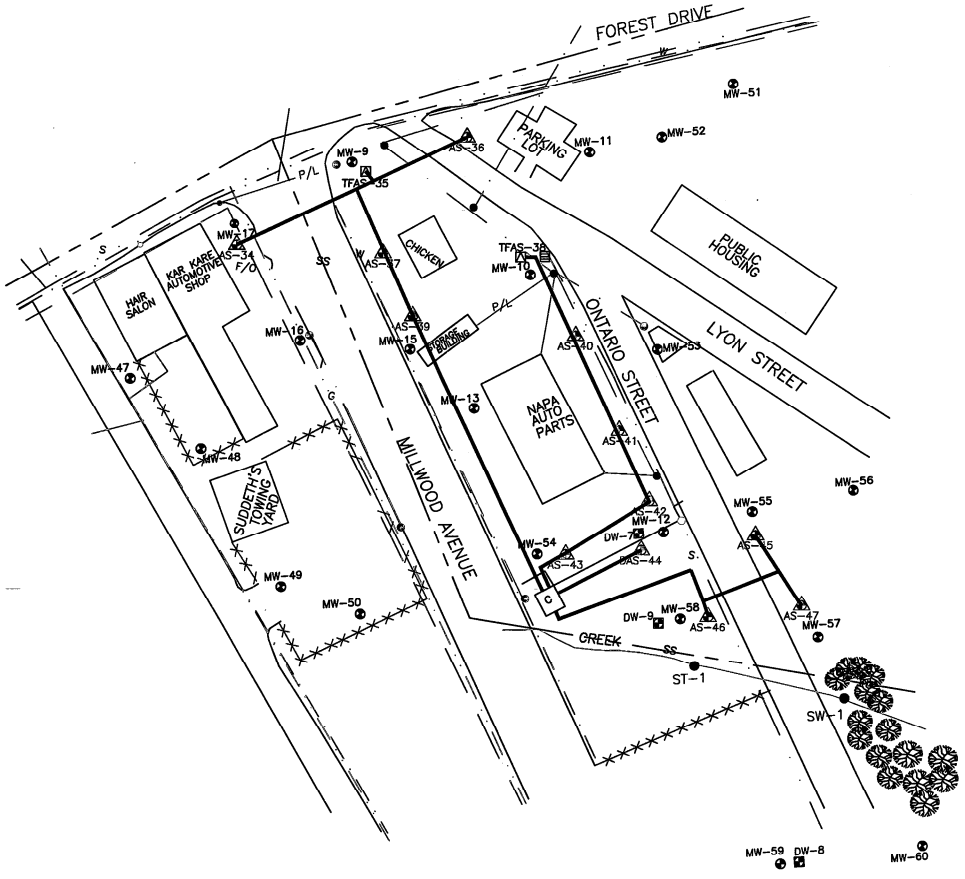
Delivering innovative solutions to today's environmental concerns	PROJECT: CLOUDS CHEVRON UST#07777	
	PROJECT No.: 05-11-201B	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 10B
PROPOSED TFR, AS, AND TFAS
WELL LOCATION MAP



LEGEND

- MONITORING WELL
- PROPOSED MONITORING WELL
- DEEP WELL
- AIR SPARGE WELL
- TFR AIR SPARGE COMBO
- SYSTEM COMPOUND
- SOIL BORING
- SURFACE WATER SAMPLE
- FORMER UST PIT
- STORM DRAIN DROP INLET
- TELEPHONE POLE
- BORDER
- CHAIN-LINK FENCE
- P/L OVERHEAD POWER LINE
- F/O FIBER OPTIC
- G GAS LINE
- SS SANITARY SEWER LINE
- W WATER LINE
- S STORM SEWER LINE
- TREES

0 80 160

APPROXIMATE SCALE IN FEET

CAD FILE = C05-11-201C

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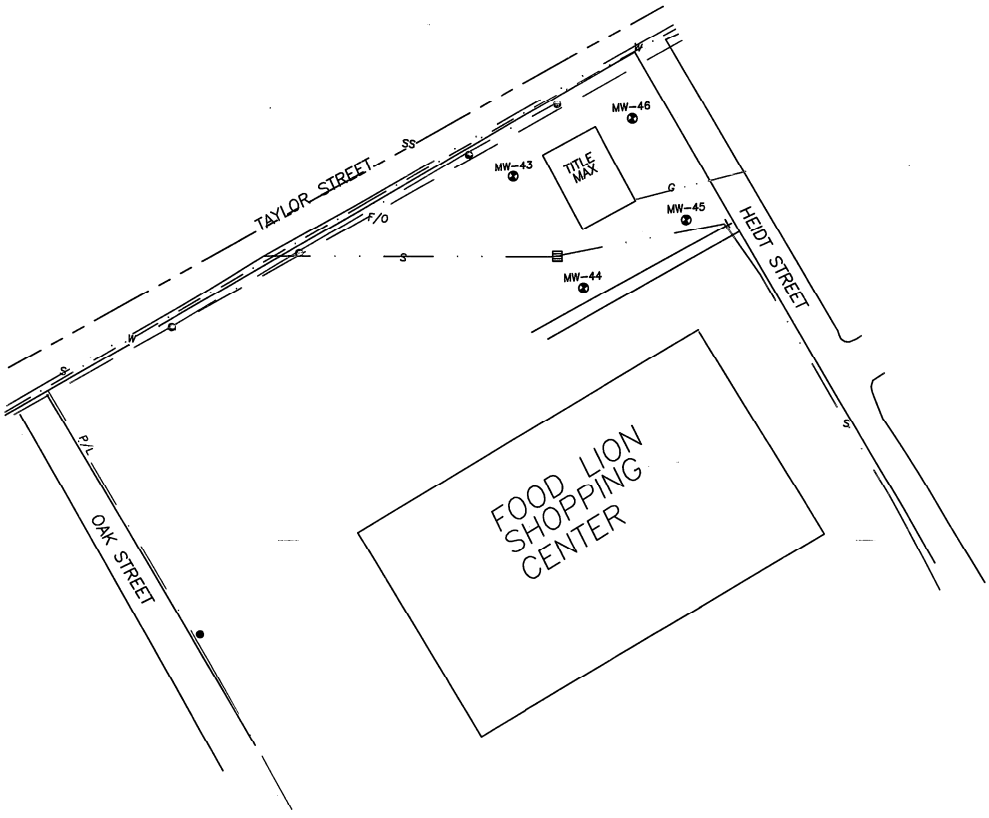
	PROJECT: HANDY PANTRY#65,UST# 07584	
	PROJECT: CLOUDS CHEVRON UST#07777	
	PROJECT No.: 05-11-201C	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 10C
PROPOSED TFR, AS, AND TFAS
WELL LOCATION MAP



LEGEND

- MONITORING WELL
- PROPOSED MONITORING WELL
- DEEP WELL
- SOIL BORING
- SURFACE WATER SAMPLE
- FORMER UST PIT
- STORM DRAIN DROP INLET
- TELEPHONE POLE
- BORDER
- CHAIN-LINK FENCE
- OVERHEAD POWER LINE
- FIBER OPTIC
- GAS LINE
- SANITARY SEWER LINE
- WATER LINE
- STORM SEWER LINE
- TREES

0 80 160

APPROXIMATE SCALE IN FEET

CAD FILE = C05-11-201D

CONSULTECH ENVIRONMENTAL, INC.	DRAWN: SRC DATE: 11/30/05
Environmental Consulting and Engineering © 1999	PROJECT:HANDY PANTRY#65,UST# 07584
Delivering innovative solutions to today's environmental concerns	PROJECT: CLOUDS CHEVRON UST#077777
	PROJECT No.: 05-11-201D
	LOCATION: COLUMBIA, SOUTH CAROLINA

FIGURE 10D
PROPOSED TFR, AS, AND TFAS
WELL LOCATION MAP

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July 26, 2005

RECEIVED
AUG 0 1 2005
UNDERGROUND STORAGE
TANK PROGRAM

Ms. Debra Thoma
SCDHEC
UST Program
2600 Bull Street
Columbia, SC 29201

RE: Lab Project Number: 9298838
Client Project ID: University Mart 07584 CA25043

Dear Ms. Thoma:

Enclosed are the analytical results for sample(s) received by the laboratory on July 15, 2005. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals Analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Charlotte laboratory unless otherwise footnoted.

If you have any questions concerning this report please feel free to contact me.

Sincerely,

Sherri Stabel
Sherri.Stabel@pacelabs.com
Project Manager

Enclosures

UST PROGRAM
DOCKETING# 21 Tech

REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs
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SC 99006
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Lab Project Number: 9298838
Client Project ID: University Mart 07584 CA25043

Lab Sample No: 925868754 Project Sample Number: 9298838-001 Date Collected: 07/14/05 09:15
Client Sample ID: MW-67 Matrix: Water Date Received: 07/15/05 12:10

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
GC/MS VOCs by 8260	Method: EPA 8260								
TAME tert-Amylmethyl ether	ND	ug/l	10.	1.0	07/21/05 08:05	DLK	994-05-8		
TAA tert-Amyl Alcohol	ND	ug/l	10.	1.0	07/21/05 08:05	DLK	75-85-4		
ETBA 3,3-Dimethyl-1-Butanol	ND	ug/l	10.	1.0	07/21/05 08:05	DLK	625-95-3		
TBF tert-Butyl Formate	ND	ug/l	20.	1.0	07/21/05 08:05	DLK	762-75-4		
DIPE Diisopropyl ether	ND	ug/l	5.0	1.0	07/21/05 08:05	DLK	108-20-3		
Ethanol	ND	ug/l	20.	1.0	07/21/05 08:05	DLK	64-17-5		
ETBE Ethyl-tert-butyl ether	ND	ug/l	10.	1.0	07/21/05 08:05	DLK	637-92-3		
TBA 2-Methyl-2-propanol	ND	ug/l	10.	1.0	07/21/05 08:05	DLK	75-65-0		
Toluene-d8 (S)	95	%		1.0	07/21/05 08:05	DLK	2037-26-5		
4-Bromofluorobenzene (S)	95	%		1.0	07/21/05 08:05	DLK	460-00-4		
Dibromofluoromethane (S)	107	%		1.0	07/21/05 08:05	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	107	%		1.0	07/21/05 08:05	DLK	17060-07-0		

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Lab Project Number: 9298838
Client Project ID: University Mart 07584 CA25043

Lab Sample No: 925868788 Project Sample Number: 9298838-002 Date Collected: 07/14/05 09:30
Client Sample ID: MW-70 Matrix: Water Date Received: 07/15/05 12:10

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
GC/MS VOCs by 8260	Method: EPA 8260								
tert-Amylmethyl ether	ND	ug/l	10.	1.0	07/21/05 08:31	DLK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	1.0	07/21/05 08:31	DLK	75-85-4		
3,3-Dimethyl-1-Butanol	ND	ug/l	10.	1.0	07/21/05 08:31	DLK	625-95-3		
tert-Butyl Formate	ND	ug/l	20.	1.0	07/21/05 08:31	DLK	762-75-4		
Diisopropyl ether	ND	ug/l	5.0	1.0	07/21/05 08:31	DLK	108-20-3		
Ethanol	ND	ug/l	20.	1.0	07/21/05 08:31	DLK	64-17-5		
Ethyl-tert-butyl ether	ND	ug/l	10.	1.0	07/21/05 08:31	DLK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	1.0	07/21/05 08:31	DLK	75-65-0		
Toluene-d8 (S)	100	%		1.0	07/21/05 08:31	DLK	2037-26-5		
4-Bromofluorobenzene (S)	94	%		1.0	07/21/05 08:31	DLK	460-00-4		
Dibromofluoromethane (S)	105	%		1.0	07/21/05 08:31	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	107	%		1.0	07/21/05 08:31	DLK	17060-07-0		

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Lab Project Number: 9298838
Client Project ID: University Mart 07584 CA25043

Lab Sample No: 925868796 Project Sample Number: 9298838-003 Date Collected: 07/14/05 09:40
Client Sample ID: MW-69 Matrix: Water Date Received: 07/15/05 12:10

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
GC/MS VOCs by 8260	Method: EPA 8260								
tert-Amylmethyl ether	ND	ug/l	10.	1.0	07/21/05 08:57	DLK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	1.0	07/21/05 08:57	DLK	75-85-4		
3,3-Dimethyl-1-Butanol	ND	ug/l	10.	1.0	07/21/05 08:57	DLK	625-95-3		
tert-Butyl Formate	ND	ug/l	20.	1.0	07/21/05 08:57	DLK	762-75-4		
Diisopropyl ether	ND	ug/l	5.0	1.0	07/21/05 08:57	DLK	108-20-3		
Ethanol	ND	ug/l	20.	1.0	07/21/05 08:57	DLK	64-17-5		
Ethyl-tert-butyl ether	ND	ug/l	10.	1.0	07/21/05 08:57	DLK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	1.0	07/21/05 08:57	DLK	75-65-0		
Toluene-d8 (S)	96	%		1.0	07/21/05 08:57	DLK	2037-26-5		
4-Bromofluorobenzene (S)	95	%		1.0	07/21/05 08:57	DLK	460-00-4		
Dibromofluoromethane (S)	111	%		1.0	07/21/05 08:57	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	107	%		1.0	07/21/05 08:57	DLK	17060-07-0		

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Lab Project Number: 9298838
Client Project ID: University Mart 07584 CA25043

Lab Sample No: 925868804 Project Sample Number: 9298838-004 Date Collected: 07/14/05 09:50
Client Sample ID: MW-68 Matrix: Water Date Received: 07/15/05 12:10

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
GC/MS VOCs by 8260	Method: EPA 8260								
tert-Amylmethyl ether	ND	ug/l	10.	1.0	07/21/05 09:22	DLK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	1.0	07/21/05 09:22	DLK	75-85-4		
3,3-Dimethyl-1-Butanol	ND	ug/l	10.	1.0	07/21/05 09:22	DLK	625-95-3		
tert-Butyl Formate	ND	ug/l	20.	1.0	07/21/05 09:22	DLK	762-75-4		
Diisopropyl ether	ND	ug/l	5.0	1.0	07/21/05 09:22	DLK	108-20-3		
Ethanol	ND	ug/l	20.	1.0	07/21/05 09:22	DLK	64-17-5		
Ethyl-tert-butyl ether	ND	ug/l	10.	1.0	07/21/05 09:22	DLK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	1.0	07/21/05 09:22	DLK	75-65-0		
Toluene-d8 (S)	91	%		1.0	07/21/05 09:22	DLK	2037-26-5		
4-Bromofluorobenzene (S)	95	%		1.0	07/21/05 09:22	DLK	460-00-4		
Dibromofluoromethane (S)	119	%		1.0	07/21/05 09:22	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	120	%		1.0	07/21/05 09:22	DLK	17060-07-0		

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Lab Project Number: 9298838
Client Project ID: University Mart 07584 CA25043

Lab Sample No: 925868846 Project Sample Number: 9298838-005 Date Collected: 07/14/05 10:15
Client Sample ID: MW-66 Matrix: Water Date Received: 07/15/05 12:10

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
GC/MS VOCs by 8260	Method: EPA 8260								
tert-Amylmethyl ether	ND	ug/l	10.	1.0	07/21/05 09:48	DLK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	1.0	07/21/05 09:48	DLK	75-85-4		
3,3-Dimethyl-1-Butanol	ND	ug/l	10.	1.0	07/21/05 09:48	DLK	625-95-3		
tert-Butyl Formate	ND	ug/l	20.	1.0	07/21/05 09:48	DLK	762-75-4		
Diisopropyl ether	ND	ug/l	5.0	1.0	07/21/05 09:48	DLK	108-20-3		
Ethanol	ND	ug/l	20.	1.0	07/21/05 09:48	DLK	64-17-5		
Ethyl-tert-butyl ether	ND	ug/l	10.	1.0	07/21/05 09:48	DLK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	1.0	07/21/05 09:48	DLK	75-65-0		
Toluene-d8 (S)	94	%		1.0	07/21/05 09:48	DLK	2037-26-5		
4-Bromofluorobenzene (S)	94	%		1.0	07/21/05 09:48	DLK	460-00-4		
Dibromofluoromethane (S)	105	%		1.0	07/21/05 09:48	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	107	%		1.0	07/21/05 09:48	DLK	17060-07-0		

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Lab Project Number: 9298838
Client Project ID: University Mart 07584 CA25043

Lab Sample No: 925868853 Project Sample Number: 9298838-006 Date Collected: 07/14/05 10:25
Client Sample ID: MW-65 Matrix: Water Date Received: 07/15/05 12:10

Parameters	Results		Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles										
GC/MS VOCs by 8260	Method: EPA 8260									
tert-Amylmethyl ether	ND		ug/l	100	10.0	07/21/05 11:31	DLK	994-05-8		
tert-Amyl Alcohol	1100		ug/l	100	10.0	07/21/05 11:31	DLK	75-85-4		
3,3-Dimethyl-1-Butanol	ND		ug/l	100	10.0	07/21/05 11:31	DLK	625-95-3		
tert-Butyl Formate	ND		ug/l	200	10.0	07/21/05 11:31	DLK	762-75-4		
Diisopropyl ether	45.	J	ug/l	50.	10.0	07/21/05 11:31	DLK	108-20-3		
Ethanol	ND		ug/l	200	10.0	07/21/05 11:31	DLK	64-17-5		
Ethyl-tert-butyl ether	ND		ug/l	100	10.0	07/21/05 11:31	DLK	637-92-3		
2-Methyl-2-propanol	ND		ug/l	100	10.0	07/21/05 11:31	DLK	75-65-0		
Toluene-d8 (S)	96		%		1.0	07/21/05 11:31	DLK	2037-26-5		
4-Bromofluorobenzene (S)	96		%		1.0	07/21/05 11:31	DLK	460-00-4		
Dibromofluoromethane (S)	100		%		1.0	07/21/05 11:31	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	101		%		1.0	07/21/05 11:31	DLK	17060-07-0		

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Lab Project Number: 9298838
Client Project ID: University Mart 07584 CA25043

Lab Sample No: 925868861 Project Sample Number: 9298838-007 Date Collected: 07/14/05 10:40
Client Sample ID: MW-63 Matrix: Water Date Received: 07/15/05 12:10

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
GC/MS VOCs by 8260	Method: EPA 8260								
tert-Amylmethyl ether	ND	ug/l	10.	1.0	07/21/05 10:14	DLK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	1.0	07/21/05 10:14	DLK	75-85-4		
3,3-Dimethyl-1-Butanol	ND	ug/l	10.	1.0	07/21/05 10:14	DLK	625-95-3		
tert-Butyl Formate	ND	ug/l	20.	1.0	07/21/05 10:14	DLK	762-75-4		
Diisopropyl ether	ND	ug/l	5.0	1.0	07/21/05 10:14	DLK	108-20-3		
Ethanol	ND	ug/l	20.	1.0	07/21/05 10:14	DLK	64-17-5		
Ethyl-tert-butyl ether	ND	ug/l	10.	1.0	07/21/05 10:14	DLK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	1.0	07/21/05 10:14	DLK	75-65-0		
Toluene-d8 (S)	89	%		1.0	07/21/05 10:14	DLK	2037-26-5		
4-Bromofluorobenzene (S)	92	%		1.0	07/21/05 10:14	DLK	460-00-4		
Dibromofluoromethane (S)	111	%		1.0	07/21/05 10:14	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	112	%		1.0	07/21/05 10:14	DLK	17060-07-0		

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Lab Project Number: 9298838
Client Project ID: University Mart 07584 CA25043

Lab Sample No: 925868895 Project Sample Number: 9298838-008 Date Collected: 07/14/05 11:10
Client Sample ID: MW-61 Matrix: Water Date Received: 07/15/05 12:10

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles									
EDB and DBCP in Water	Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	1.0	07/19/05 20:20	RPJ	106-93-4		
1-Chloro-2-bromopropane (S)	110	%		1.0	07/19/05 20:20	RPJ	301-79-56		
GC/MS Volatiles									
GC/MS VOCs by 8260	Method: EPA 8260								
tert-Amylmethyl ether	ND	ug/l	10.	1.0	07/21/05 10:40	DLK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	1.0	07/21/05 10:40	DLK	75-85-4		
3,3-Dimethyl-1-Butanol	ND	ug/l	10.	1.0	07/21/05 10:40	DLK	625-95-3		
tert-Butyl Formate	ND	ug/l	20.	1.0	07/21/05 10:40	DLK	762-75-4		
Diisopropyl ether	ND	ug/l	5.0	1.0	07/21/05 10:40	DLK	108-20-3		
Ethanol	ND	ug/l	20.	1.0	07/21/05 10:40	DLK	64-17-5		
Ethyl-tert-butyl ether	ND	ug/l	10.	1.0	07/21/05 10:40	DLK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	1.0	07/21/05 10:40	DLK	75-65-0		
Toluene-d8 (S)	94	%		1.0	07/21/05 10:40	DLK	2037-26-5		
4-Bromofluorobenzene (S)	94	%		1.0	07/21/05 10:40	DLK	460-00-4		
Dibromofluoromethane (S)	113	%		1.0	07/21/05 10:40	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	112	%		1.0	07/21/05 10:40	DLK	17060-07-0		

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Lab Project Number: 9298838
Client Project ID: University Mart 07584 CA25043

Lab Sample No: 925868903 Project Sample Number: 9298838-009 Date Collected: 07/14/05 11:15
Client Sample ID: MW-62 Matrix: Water Date Received: 07/15/05 12:10

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
GC/MS VOCs by 8260	Method: EPA 8260								
tert-Amylmethyl ether	ND	ug/l	10.	1.0	07/22/05 16:53	DLK	994-05-8		
tert-Amyl Alcohol	ND	ug/l	10.	1.0	07/22/05 16:53	DLK	75-85-4		
3,3-Dimethyl-1-Butanol	ND	ug/l	10.	1.0	07/22/05 16:53	DLK	625-95-3		
tert-Butyl Formate	ND	ug/l	20.	1.0	07/22/05 16:53	DLK	762-75-4		
Diisopropyl ether	ND	ug/l	5.0	1.0	07/22/05 16:53	DLK	108-20-3		
Ethanol	ND	ug/l	20.	1.0	07/22/05 16:53	DLK	64-17-5		
Ethyl-tert-butyl ether	ND	ug/l	10.	1.0	07/22/05 16:53	DLK	637-92-3		
2-Methyl-2-propanol	ND	ug/l	10.	1.0	07/22/05 16:53	DLK	75-65-0		
Toluene-d8 (S)	96	%		1.0	07/22/05 16:53	DLK	2037-26-5		
4-Bromofluorobenzene (S)	97	%		1.0	07/22/05 16:53	DLK	460-00-4		
Dibromofluoromethane (S)	93	%		1.0	07/22/05 16:53	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	90	%		1.0	07/22/05 16:53	DLK	17060-07-0		

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Lab Project Number: 9298838
Client Project ID: University Mart 07584 CA25043

Lab Sample No: 925868911 Project Sample Number: 9298838-010 Date Collected: 07/14/05 11:25
Client Sample ID: MW-64 Matrix: Water Date Received: 07/15/05 12:10

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
GC/MS VOCs by 8260	Method: EPA 8260								
tert-Amylmethyl ether	23.	ug/l	10.	1.0	07/22/05 21:39	DLK	994-05-8		
tert-Amyl Alcohol	1300	ug/l	10.	1.0	07/22/05 21:39	DLK	75-85-4		
3,3-Dimethyl-1-Butanol	ND	ug/l	10.	1.0	07/22/05 21:39	DLK	625-95-3		
tert-Butyl Formate	ND	ug/l	20.	1.0	07/22/05 21:39	DLK	762-75-4		
Diisopropyl ether	100	ug/l	5.0	1.0	07/22/05 21:39	DLK	108-20-3		
Ethanol	ND	ug/l	20.	1.0	07/22/05 21:39	DLK	64-17-5		
Ethyl-tert-butyl ether	ND	ug/l	10.	1.0	07/22/05 21:39	DLK	637-92-3		
2-Methyl-2-propanol	100	ug/l	10.	1.0	07/22/05 21:39	DLK	75-65-0		
Toluene-d8 (S)	102	%		1.0	07/22/05 21:39	DLK	2037-26-5		
4-Bromofluorobenzene (S)	100	%		1.0	07/22/05 21:39	DLK	460-00-4		
Dibromofluoromethane (S)	88	%		1.0	07/22/05 21:39	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	85	%		1.0	07/22/05 21:39	DLK	17060-07-0		

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Lab Project Number: 9298838
Client Project ID: University Mart 07584 CA25043

PARAMETER FOOTNOTES

Dilution factor shown represents the factor applied to the reported result and reporting limit due to changes in sample preparation, dilution of the extract, or moisture content

Method 9071B modified to use ASE.

All pH, Free Chlorine, Total Chlorine and Ferrous Iron analyses conducted outside of EPA recommended immediate hold time.

Depending on the moisture content the PRLs can be elevated for all soil samples reported on a dry weight basis.

2-Chloroethyl vinyl ether has been shown to degrade in the presence of acid.

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
(S)	Surrogate

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QUALITY CONTROL DATA

Lab Project Number: 9298838
Client Project ID: University Mart 07584 CA25043

QC Batch: 132994 Analysis Method: EPA 8011
QC Batch Method: EPA 504.1 Analysis Description: EDB and DBCP in Water
Associated Lab Samples: 925868895

METHOD BLANK: 925875841
Associated Lab Samples: 925868895

Parameter	Units	Blank Result	Reporting Limit	Footnotes
1,2-Dibromoethane (EDB)	ug/l	ND	0.020	
1-Chloro-2-bromopropane (S)	%	104		

LABORATORY CONTROL SAMPLE & LCSD: 925875858 925875866

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	RPD	Footnotes
1,2-Dibromoethane (EDB)	ug/l	0.2500	0.2566	0.2600	103	104	1	
1-Chloro-2-bromopropane (S)					110	109		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 925875874 925875882

Parameter	Units	925858532 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
1,2-Dibromoethane (EDB)	ug/l	0	0.2500	0.2655	0.2651	106	106	0	
1-Chloro-2-bromopropane (S)						107	107		

SAMPLE DUPLICATE: 925875890

Parameter	Units	925858557 Result	DUP Result	RPD	Footnotes
1,2-Dibromoethane (EDB)	ug/l	ND	ND	NC	
1-Chloro-2-bromopropane (S)	%	109	109		

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QUALITY CONTROL DATA

Lab Project Number: 9298838
Client Project ID: University Mart 07584 CA25043

QC Batch: 133103 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: GC/MS VOCs by 8260
Associated Lab Samples: 925868754 925868788 925868796 925868804 925868846 925868853 925868861 925868895

METHOD BLANK: 925883001
Associated Lab Samples: 925868754 925868788 925868796 925868804 925868846 925868853 925868861 925868895

Parameter	Units	Blank Result	Reporting Limit	Footnotes
tert-Amylmethyl ether	ug/l	ND	10.	
tert-Amyl Alcohol	ug/l	ND	10.	
3,3-Dimethyl-1-Butanol	ug/l	ND	10.	
tert-Butyl Formate	ug/l	ND	20.	
Diisopropyl ether	ug/l	ND	5.0	
Ethanol	ug/l	ND	20.	
Ethyl-tert-butyl ether	ug/l	ND	10.	
2-Methyl-2-propanol	ug/l	ND	10.	
Toluene-d8 (S)	%	94		
4-Bromofluorobenzene (S)	%	98		
Dibromofluoromethane (S)	%	100		
1,2-Dichloroethane-d4 (S)	%	98		

LABORATORY CONTROL SAMPLE: 925883019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Diisopropyl ether	ug/l	50.00	45.60	91	
Toluene-d8 (S)				101	
4-Bromofluorobenzene (S)				107	
Dibromofluoromethane (S)				89	
1,2-Dichloroethane-d4 (S)				84	

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QUALITY CONTROL DATA

Lab Project Number: 9298838
Client Project ID: University Mart 07584 CA25043

QC Batch: 133342 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: GC/MS VOCs by 8260
Associated Lab Samples: 925868903 925868911

METHOD BLANK: 925894685
Associated Lab Samples: 925868903 925868911

Parameter	Units	Blank Result	Reporting Limit	Footnotes
tert-Amylmethyl ether	ug/l	ND	10.	
tert-Amyl Alcohol	ug/l	ND	10.	
3,3-Dimethyl-1-Butanol	ug/l	ND	10.	
tert-Butyl Formate	ug/l	ND	20.	
Diisopropyl ether	ug/l	ND	5.0	
Ethanol	ug/l	ND	20.	
Ethyl-tert-butyl ether	ug/l	ND	10.	
2-Methyl-2-propanol	ug/l	ND	10.	
Toluene-d8 (S)	%	97		
4-Bromofluorobenzene (S)	%	99		
Dibromofluoromethane (S)	%	95		
1,2-Dichloroethane-d4 (S)	%	91		

LABORATORY CONTROL SAMPLE: 925894693

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Diisopropyl ether	ug/l	50.00	43.88	88	
Toluene-d8 (S)				102	
4-Bromofluorobenzene (S)				108	
Dibromofluoromethane (S)				85	1
1,2-Dichloroethane-d4 (S)				81	

MATRIX SPIKE: 925894701

Parameter	Units	925868960 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Toluene-d8 (S)					102	
4-Bromofluorobenzene (S)					108	

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QUALITY CONTROL DATA

Lab Project Number: 9298838
Client Project ID: University Mart 07584 CA25043

MATRIX SPIKE: 925894701

Parameter	Units	925868960 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Dibromofluoromethane (S)					86	
1,2-Dichloroethane-d4 (S)					82	

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Lab Project Number: 9298838
Client Project ID: University Mart 07584 CA25043

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

LCS(D)	Laboratory Control Sample (Duplicate)
MS(D)	Matrix Spike (Duplicate)
DUP	Sample Duplicate
ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
RPD	Relative Percent Difference
(S)	Surrogate
[1]	The surrogate and/or spike recovery was outside acceptance limits.

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Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FL NELAP E87648

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields in... completed accurately.

Page ___ of 937444

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: SCDHEC	Report To: Debra Thoma	Attention: Finance
Address: 2600 Bull St	Copy To:	Company Name: SCDHEC
Columbia SC 29201		Address:
Email To:	Purchase Order No.: 587465	Pace Quote Reference:
Phone: 803-896-6240 Fax: 803-896-6245	Project Name: University Mart 07584	Pace Project Manager:
Requested Due Date/TAT: Standard	Project Number: CA 25043	Pace Profile #: 1700 8

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☑ UST ☐ RCRA ☐ Other ____

SITE LOCATION: ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☑SC ☐WI ☐OTHER ____

Filtered (Y/N): N

Requested Analysis: Oxygenates, EDB, Soil

Section D Required Client Information

SAMPLE ID — One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes: MATRIX CODE; DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Oxygenates	EDB	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	MW-67	WT	G	7/14/5	915A	7/14/5	915A		3				X					X			9125868754
2	MW-70	WT	G	7/14/5	930A	7/14/5	930A		3				X					X			9125868788
3	MW-69	WT	G	7/14/5	940A	7/14/5	940A		3				X					X			9125868796
4	MW-68	WT	G	7/14/5	950A	7/14/5	950A		3				X					X			9125868804
5	MW-66	WT	G	7/14/5	1015A	7/14/5	1015A		3				X					X			9125868846
6	MW-65	WT	G	7/14/5	1025A	7/14/5	1025A		3				X					X			9125868853
7	MW-63	WT	G	7/14/5	1040A	7/14/5	1040A		3				X					X			9125868861
8	MW-61	WT	G	7/14/5	1110A	7/14/5	1110A		6				X		X			X	X		9125868895
9	MW-62	WT	G	7/14/5	1115A	7/14/5	1115A		3				X					X			9125868903
10	MW-64	WT	G	7/14/5	1125A	7/14/5	1125A		3				X					X			9125868911
11																					
12																					

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature]	7/15/5	8:40	RA Snyder / Pace	7/15/5	8:40
RA Snyder / Pace	7/15/5	12:10	[signature]	7/15	1210

SAMPLE CONDITION

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
3.6	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Susan Block

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM / DD / YY): 07/14/05

SEE REVERSE SIDE FOR INSTRUCTIONS

ALLQ020rev.3,31Mar05

Instructions for completing Chain of Custody (COC)

1. **Section A and B:** Complete all Client information at top of sheet: company name, address, phone, fax, contact (the person to contact if there are questions, and who will receive the final report.), e-mail address (if available), PO#, Project Name and/or Project Number as you would like to see it appear on the report.

2. **Section C:** Invoice Information: Billing information is included in this section. This information should include the name and address of the person receiving the invoice.

3. Quote Reference should be completed if a quotation was provided by Pace Analytical. The Project Manager, and Profile No. will be completed by Pace Analytical Services.

4. **Site Location:** A separate COC must be filled out for each day of sample collection. Record the two letter postal code for the US state in which the samples were collected.

5. **Regulatory Agency:** List the program that is guiding the work to ensure proper regulations are followed.

6. **Section D:** Complete a Sample Description in the "SAMPLE ID' section as you would like it to appear on the laboratory report. The following information should also be included: the sample matrix, sample type (G (grab) or C (composite). When collecting a composite, the start time and end time should be documented in the respective boxes. The collection time for a grab (G) sample should be entered in the boxes marked 'Composite End/Grab'), Sample temp at collection (if required by state), the total number of containers, and preservative used.

7. Mark if the sample was filtered in the field by marking Y or N in 'Filtered' row by the Analysis requested.

8. Requested Analysis: List the required analysis and methods on the lines provided and place a check in the column for the samples requiring the analysis. Additional comments should be referenced in the bottom left hand corner or include attachments for extended lists of parameters.

9. The sampler should print their name in the space provided and sign their name followed by the date of the sampling event at the bottom of the COC in the spaces designated for 'SAMPLER NAME AND SIGNATURE'.

10. When relinquishing custody of the samples to a representative of the laboratory or other organization, indicate the Item Numbers of those samples being transferred; sign relinquished by, date and time, and include your affiliation.

***Important Note:**

Standard Turnaround Time is 2 Weeks/10 business days. Results will be delivered by end of business on the date due unless other arrangements have been made with your project manager.

Special Project Requirements such as Low Level Detection Limits or level of QC reported must be included on the chain of custody in the Additional Comments section.

07584 western oxygenates

Domenico Model (Oxygenates)

UST # 07584 west
Site Name: University Mart
Modeler: Block
Date: 8/1/2005

Transport Parameters

x_{max}	950	ft
y_{max}	350	ft
z	0	ft
Source Width	300	ft
Source Thickness	15	ft
Plume Length	900	ft
α_x	23.41045	ft
α_y	2.341045	ft
α_z	1.00E-99	ft

Simulation Time

t_{sim} 20 yrs

Groundwater Flow Parameters

K	500	ft/yr
dh/dx	0.01	
θ	0.25	dec. %
v_x	52	ft/yr

Aquifer Characteristics

ρ_d	1.5	kg/L
f_{oc}	0.0002	

Source Area CoC Data

CoC	C_{source} (mg/L)	K_{oc} (L/kg)
tBA	3.92	1
tAA	14.6	1
DIPE	2.2	1.5
tAME	0.759	1.5
EtBE		1.5
Ethanol		0.5

Retarded Velocity (ft/yr)

CoC	R	v_R
tBA	1.001	51.94
tAA	1.001	51.94
DIPE	1.002	51.91
tAME	1.002	51.91
EtBE	1.002	51.91
Ethanol	1.001	51.97

Simulation Points for Breakthrough Curves

x		ft
y	0	ft
z	0	ft

x		ft
y	0	ft
z	0	ft

$$C(x,y,z,t)=\left(\frac{C_0}{8}\right)\exp\left[\left(\frac{x}{2\alpha_x}\right)\left(1-\sqrt{1+\frac{4\lambda\alpha_x}{v}}\right)\right]erfc\left[\frac{x-vt\sqrt{1+\frac{4\lambda\alpha_x}{v}}}{2\sqrt{\alpha_x vt}}\right]\left\{erf\left[\frac{y+\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]-erf\left[\frac{y-\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]\right\}\left\{erf\left[\frac{z+Z}{2\sqrt{\alpha_z x}}\right]-erf\left[\frac{z-Z}{2\sqrt{\alpha_z x}}\right]\right\}$$

UST PROGRAM DOCKETING # 218 rec

tBA Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	3.92	3.92
95		2.060
190	1.17	1.082
285	0.536	0.569
380		0.299
475		0.157
570		0.082
665		0.043
760		0.022
855		0.012
950		0.006

Temporal Calibration Data

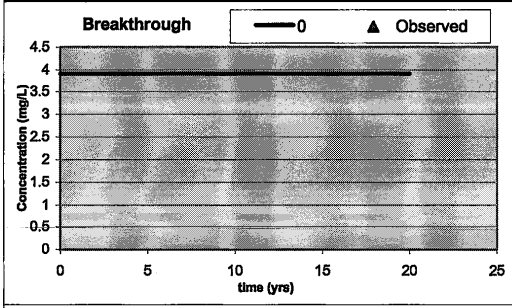
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		3.92		3.92
2		3.920		3.920
4		3.920		3.920
6		3.920		3.920
8		3.920		3.920
10		3.920		3.920
12		3.920		3.920
14		3.920		3.920
16		3.920		3.920
18		3.920		3.920
20		3.920		3.920

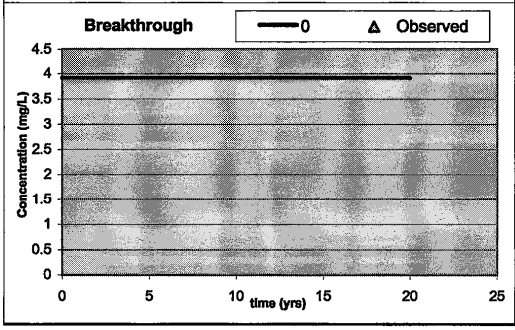
Site ID 07584

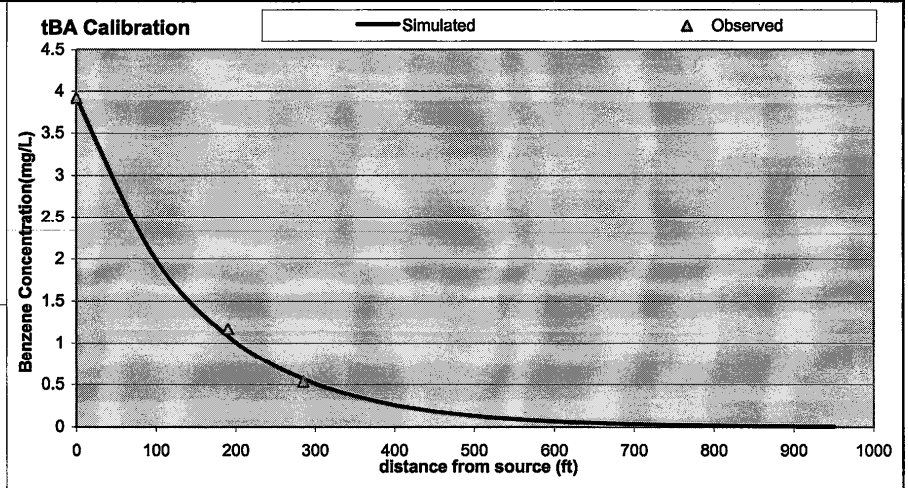
Site Name University Mart

Model Calibration Parameters

$t_{1/2}$	1.7	yrs	λ	0.40765	yr^{-1}
v_x	52	ft/yr			
R	1.001				
v_R	51.938	ft/yr	C_{source}	3.92	mg/L
L_p	900	ft			
α_x	23.410453	ft	t_{sim}	20	yrs
α_y	2.3410453	ft			
α_z	1E-99	ft			







Source	95	190	285	380	475	570	665	760	855	950
350	0	1.0858E-11	1.2435E-08	3.1683E-07	1.7467E-06	4.461E-06	7.32E-06	9.08E-06	9.31E-06	8.27E-06
175	0.24289817	0.2174715	0.14036366	0.08265913	0.04677578	0.0259097	0.014162	0.007663	0.004102	0.00216
0	2.05962299	1.08215424	0.56855621	0.29862602	0.15672735	0.0821536	0.042989	0.02243	0.011632	0.005953
175	0.24289817	0.2174715	0.14036366	0.08265913	0.04677578	0.0259097	0.014162	0.007663	0.004102	0.00216
350	0	1.0858E-11	1.2435E-08	3.1683E-07	1.7467E-06	4.461E-06	7.32E-06	9.08E-06	9.31E-06	8.27E-06

tAA Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	14.6	14.6
95		11.492
190	13.1	9.045
285	11.4	7.119
380		5.601
475	2.18	4.400
570		3.446
665		2.680
760	1.1	2.052
855		1.526
950		1.080

Temporal Calibration Data

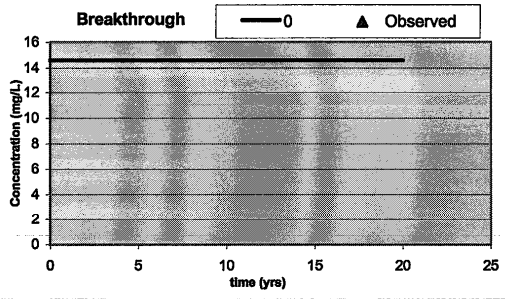
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		14.6		14.6
2		14.600		14.600
4		14.600		14.600
6		14.600		14.600
8		14.600		14.600
10		14.600		14.600
12		14.600		14.600
14		14.600		14.600
16		14.600		14.600
18		14.600		14.600
20		14.600		14.600

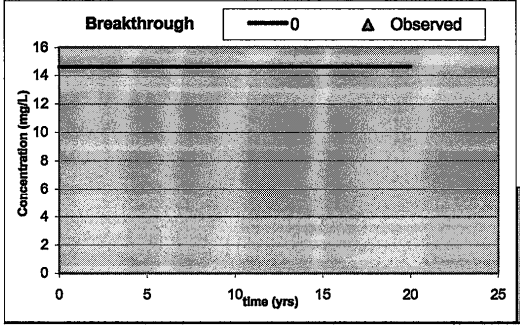
Site ID 07584

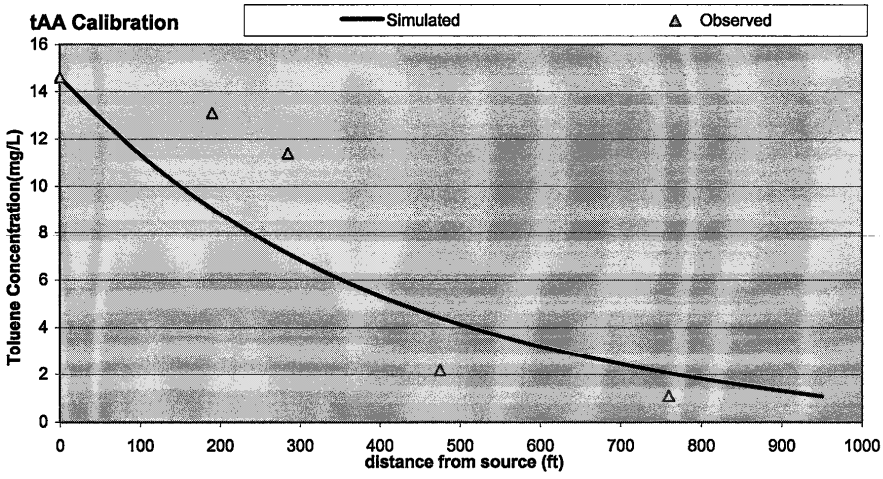
Site Name University Mart

Model Calibration Parameters

$t_{1/2}$	5	yrs	λ	0.1386	yr^{-1}
v_x	52	ft/yr			
R	1.001				
v_R	51.938	ft/yr	C_{source}	14.6	mg/L
L_p	900	ft			
α_x	23.410453	ft	t_{sim}	20	yrs
α_y	2.3410453	ft			
α_z	1E-99	ft			







Source	95	190	285	380	475	570	665	760	855	950
350	0	9.0756E-11	1.557E-07	5.942E-06	4.9041E-05	0.0001871	0.000456	0.000831	0.001221	0.001501
175	1.35525814	1.81773024	1.75751949	1.55023815	1.31326302	1.0868902	0.882841	0.701102	0.538068	0.39188
0	11.4917328	9.04515974	7.11899805	5.60060852	4.40023085	3.4462741	2.679893	2.052138	1.525854	1.080227
175	1.35525814	1.81773024	1.75751949	1.55023815	1.31326302	1.0868902	0.882841	0.701102	0.538068	0.39188
350	0	9.0756E-11	1.557E-07	5.942E-06	4.9041E-05	0.0001871	0.000456	0.000831	0.001221	0.001501

DIPE Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	2.2	2.2
95		1.156
190	0.392	0.607
285		0.319
380	0.183	0.167
475		0.088
570		0.046
665		0.024
760	0.045	0.013
855		0.007
950		0.003

Temporal Calibration Data

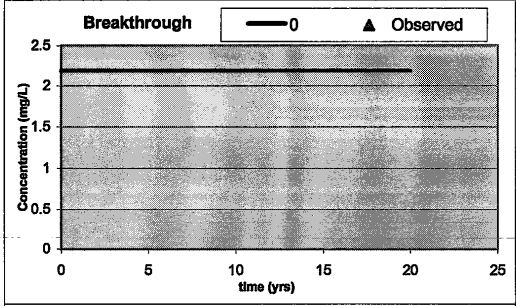
t (yrs)	0 C_{obs} (mg/L)	0 C_{sim} (mg/L)	0 C_{obs} (mg/L)	0 C_{sim} (mg/L)
0		2.2		2.2
2		2.200		2.200
4		2.200		2.200
6		2.200		2.200
8		2.200		2.200
10		2.200		2.200
12		2.200		2.200
14		2.200		2.200
16		2.200		2.200
18		2.200		2.200
20		2.200		2.200

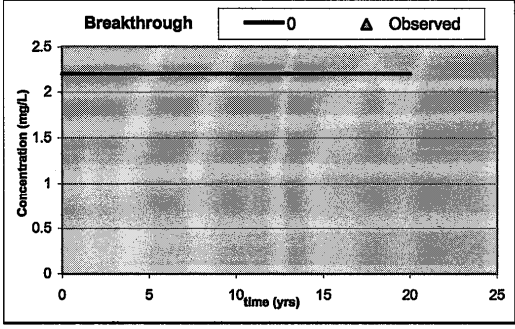
Site ID 07584

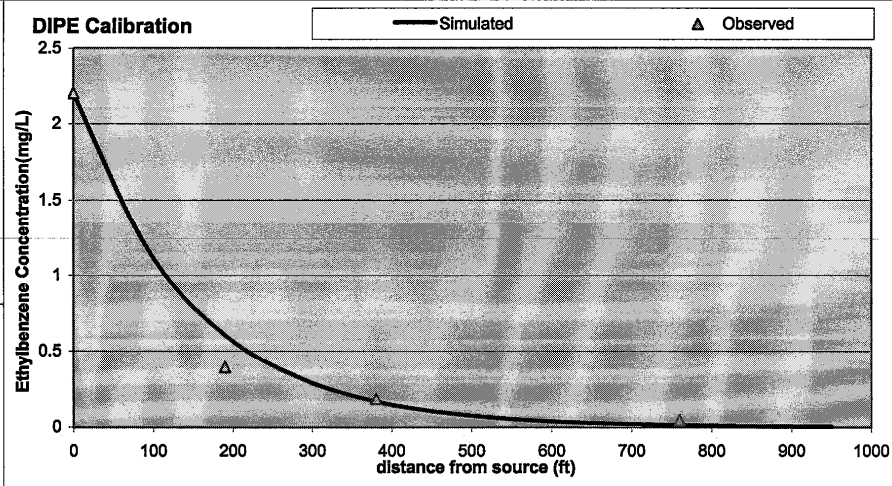
Site Name University Mart

Model Calibration Parameters

$t_{1/2}$	1.7	yrs	λ	0.40765	yr^{-1}
v_x	52	ft/yr			
R	1.002				
v_R	51.907	ft/yr	C_{source}	2.2	mg/L
L_p	900	ft			
α_x	23.410453	ft	t_{sim}	20	yrs
α_y	2.3410453	ft			
α_z	1E-99	ft			







Source	95	190	285	380	475	570	665	760	855	950
350	0	6.0896E-12	6.9717E-09	1.7757E-07	9.7865E-07	2.498E-06	4.1E-06	5.08E-06	5.21E-06	4.63E-06
175	0.13627417	0.12196756	0.0786954	0.04632743	0.02620722	0.0145116	0.007929	0.004289	0.002295	0.001208
0	1.15551882	0.60691956	0.31876311	0.16736898	0.08781015	0.0460128	0.024069	0.012554	0.006508	0.003329
175	0.13627417	0.12196756	0.0786954	0.04632743	0.02620722	0.0145116	0.007929	0.004289	0.002295	0.001208
350	0	6.0896E-12	6.9717E-09	1.7757E-07	9.7865E-07	2.498E-06	4.1E-06	5.08E-06	5.21E-06	4.63E-06

tAME Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	0.759	0.759
95		0.399
190		0.209
285	0.286	0.110
380	0.0177	0.058
475		0.030
570		0.016
665		0.008
760		0.004
855		0.002
950		0.001

Temporal Calibration Data

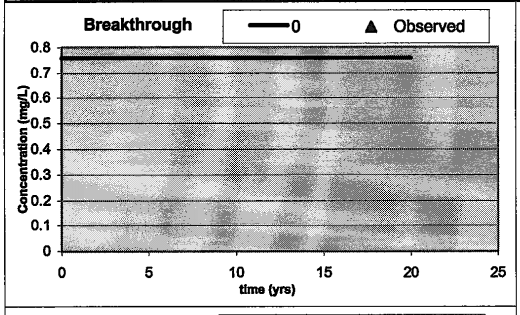
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		0.759		0.759
2		0.759		0.759
4		0.759		0.759
6		0.759		0.759
8		0.759		0.759
10		0.759		0.759
12		0.759		0.759
14		0.759		0.759
16		0.759		0.759
18		0.759		0.759
20		0.759		0.759

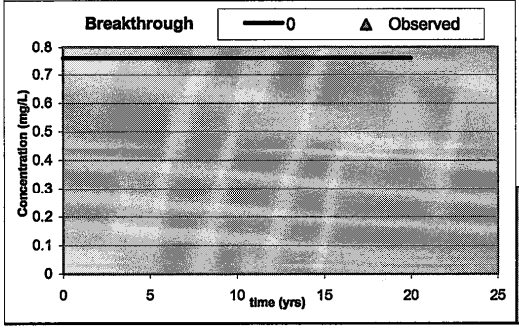
Site ID 07584

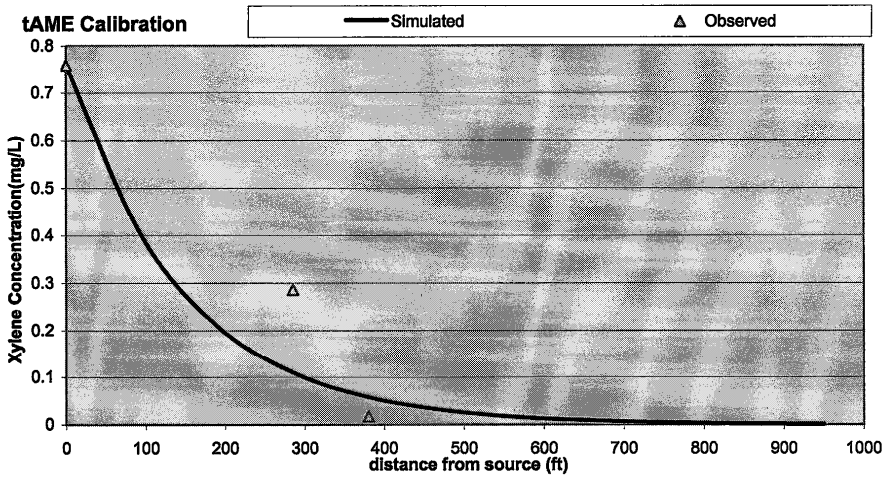
Site Name University Mart

Model Calibration Parameters

$t_{1/2}$	1.7	yrs	λ	0.40765	yr^{-1}
v_x	52	ft/yr			
R	1.002				
v_R	51.907	ft/yr	C_{source}	0.759	mg/L
L_p	900	ft			
α_x	23.410453	ft	t_{sim}	20	yrs
α_y	2.3410453	ft			
α_z	1E-99	ft			







Source	95	190	285	380	475	570	665	760	855	950
350	0	2.1009E-12	2.4052E-09	6.1262E-08	3.3764E-07	8.619E-07	1.41E-06	1.75E-06	1.8E-06	1.6E-06
175	0.04701459	0.04207881	0.02714991	0.01598296	0.00904149	0.0050065	0.002736	0.00148	0.000792	0.000417
0	0.39865399	0.20938725	0.10997327	0.0577423	0.0302945	0.0158744	0.008304	0.004331	0.002245	0.001149
175	0.04701459	0.04207881	0.02714991	0.01598296	0.00904149	0.0050065	0.002736	0.00148	0.000792	0.000417
350	0	2.1009E-12	2.4052E-09	6.1262E-08	3.3764E-07	8.619E-07	1.41E-06	1.75E-06	1.8E-06	1.6E-06

SSTLs t 1000 yrs

UST Permit # 07584
Site Name: University Mai

SSTLs in mg/L			RBSLs (mg/L):	1.400	0.240	0.150	0.128		
MW #	x (ft)	y (ft)	z (ft)	tBA SSTL	tAA SSTL	DIPE SSTL	tAME SSTL		
mw-65	1080	0	0	2182.805	3.781	234.776	200.342		
mw-64	1095	0	0	2419.457	3.932	260.243	222.074		
none mw-41	1020	0	0	1446.339	3.234	155.530	132.719		
none mw-42	855	0	0	467.080	2.107	50.197	42.835		
mw-39	750	0	0	227.855	1.607	24.478	20.888		
mw-40	810	0	0	343.338	1.876	36.893	31.482		
mw-37	750	0	0	227.855	1.607	24.478	20.888		
mw-31	802	0	0	325.064	1.837	34.928	29.805		
mw-36	735	0	0	205.671	1.546	22.094	18.854		
mw-32	690	0	0	151.284	1.377	16.249	13.866		
mw-35	630	0	0	100.495	1.181	10.792	9.209		
mw-33	615	0	0	90.734	1.136	9.743	8.314		
mw-18	540	0	0	54.462	0.938	5.847	4.989		
none mw-34	510	0	0	44.414	0.870	4.767	4.068		
			λ (yr^{-1}):	0.408	0.139	0.408	0.408		
			R:	1.001	1.001	1.002	1.002		

Domenico Model (Oxygenates)

UST # 7584 eastern
Site Name: University Mart
Modeler: Block
Date: 8/1/2005

Groundwater Flow Parameters

K	500	ft/yr
dh/dx	0.01	
θ	0.25	dec. %
v_x	52	ft/yr

Transport Parameters

x_{max}	700	ft
y_{max}	300	ft
z	0	ft
Source Width	240	ft
Source Thickness	15	ft
Plume Length	660	ft
α_x	20.4096	ft
α_y	2.04096	ft
α_z	1.00E-99	ft

Simulation Time

t_{sim} 20 yrs

Aquifer Characteristics

ρ_d	1.5	kg/L
f_{oc}	0.0002	

Source Area CoC Data

CoC	C_{source} (mg/L)	K_{oc} (L/kg)
tBA	3.92	1
tAA	14.6	1
DIPE	2.2	1.5
tAME	0.641	1.5
EtBE		1.5
Ethanol		0.5

Retarded Velocity (ft/yr)

CoC	R	v_R
tBA	1.001	51.94
tAA	1.001	51.94
DIPE	1.002	51.91
tAME	1.002	51.91
EtBE	1.002	51.91
Ethanol	1.001	51.97

Simulation Points for Breakthrough Curves

x		ft
y	0	ft
z	0	ft

x		ft
y	0	ft
z	0	ft

$$C(x,y,z,t) = \left(\frac{C_0}{8}\right)\exp\left[\left(\frac{x}{2\alpha_x}\right)\left(1-\sqrt{1+\frac{4\lambda\alpha_x}{v}}\right)\right] erfc\left[\frac{x-vt\sqrt{1+\frac{4\lambda\alpha_x}{v}}}{2\sqrt{\alpha_x vt}}\right]\left\{erf\left[\frac{y+\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]-erf\left[\frac{y-\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]\right\}\left\{erf\left[\frac{z+Z}{2\sqrt{\alpha_z x}}\right]-erf\left[\frac{z-Z}{2\sqrt{\alpha_z x}}\right]\right\}$$

07584 east oxygenates

tBA Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	3.92	3.92
70		2.585
140	1.74	1.704
210		1.124
280		0.741
350	0.0363	0.488
420		0.321
490		0.211
560		0.138
630		0.091
700		0.059

Temporal Calibration Data

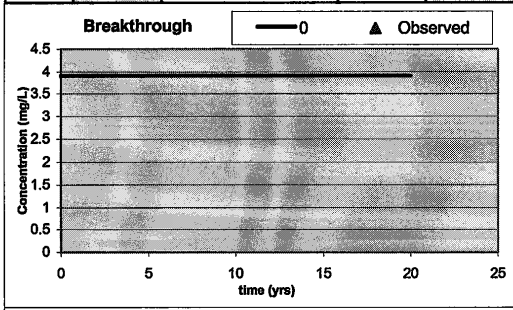
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		3.92		3.92
2		3.920		3.920
4		3.920		3.920
6		3.920		3.920
8		3.920		3.920
10		3.920		3.920
12		3.920		3.920
14		3.920		3.920
16		3.920		3.920
18		3.920		3.920
20		3.920		3.920

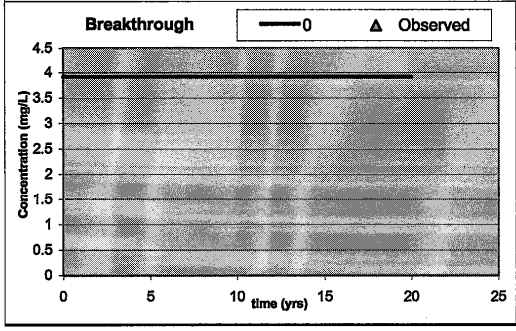
Site ID 7584 eastern

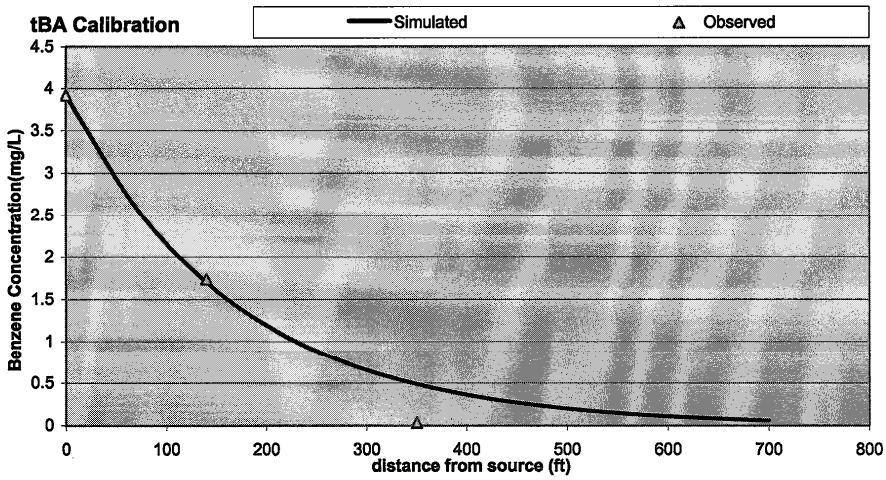
Site Name University Mart

Model Calibration Parameters

$t_{1/2}$	2	yrs	λ	0.3465	yr^{-1}
v_x	52	ft/yr			
R	1.001				
v_R	51.938	ft/yr	C_{source}	3.92	mg/L
L_p	660	ft			
α_x	20.4096	ft	t_{sim}	20	yrs
α_y	2.04096	ft			
α_z	1E-99	ft			







Source	70	140	210	280	350	420	490	560	630	700
300	0	4.3333E-14	4.4106E-10	3.7554E-08	4.6791E-07	2.221E-06	6.06E-06	1.17E-05	1.78E-05	2.31E-05
150	0.09814187	0.17853495	0.17168454	0.1389036	0.10441817	0.0755152	0.053363	0.037143	0.025578	0.017466
0	2.58481315	1.70440191	1.12382127	0.74078227	0.48792015	0.321001	0.210905	0.138379	0.090659	0.059283
150	0.09814187	0.17853495	0.17168454	0.1389036	0.10441817	0.0755152	0.053363	0.037143	0.025578	0.017466
300	0	4.3333E-14	4.4106E-10	3.7554E-08	4.6791E-07	2.221E-06	6.06E-06	1.17E-05	1.78E-05	2.31E-05

tAA Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	14.6	14.6
70		11.840
140	9.73	9.601
210		7.785
280		6.311
350		5.112
420		4.136
490		3.341
560		2.693
630		2.164
700		1.730

Temporal Calibration Data

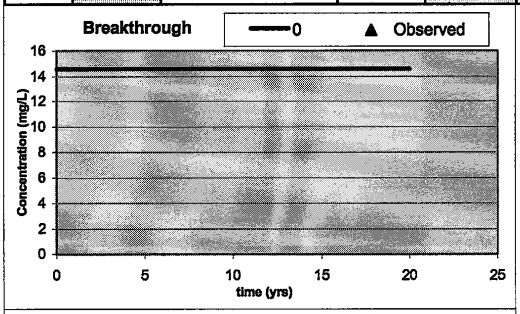
t (yrs)	0 C_{obs} (mg/L)	0 C_{sim} (mg/L)	0 C_{obs} (mg/L)	0 C_{sim} (mg/L)
0		14.6		14.6
2		14.600		14.600
4		14.600		14.600
6		14.600		14.600
8		14.600		14.600
10		14.600		14.600
12		14.600		14.600
14		14.600		14.600
16		14.600		14.600
18		14.600		14.600
20		14.600		14.600

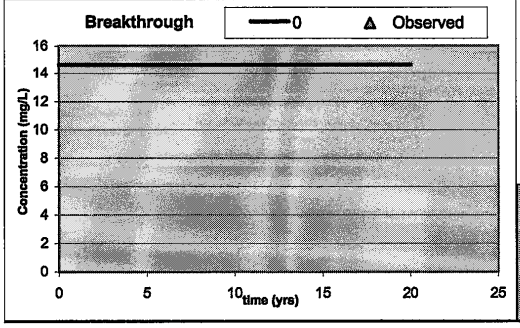
Site ID 7584 eastern

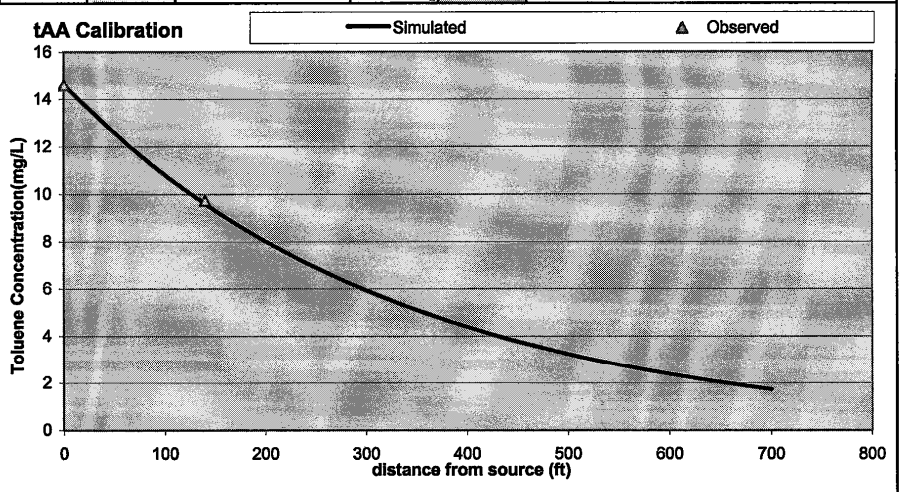
Site Name University Mart

Model Calibration Parameters

$t_{1/2}$	4.2	yrs	λ	0.165	yr^{-1}
v_x	52	ft/yr			
R	1.001				
v_R	51.938	ft/yr	C_{source}	14.6	mg/L
L_p	660	ft			
α_x	20.4096	ft	t_{sim}	20	yrs
α_y	2.04096	ft			
α_z	1E-99	ft			







Source	70	140	210	280	350	420	490	560	630	700
300	0	2.441E-13	3.0555E-09	3.1995E-07	4.9024E-06	2.861E-05	9.6E-05	0.000227	0.000425	0.000673
150	0.44953176	1.00570018	1.18936508	1.18340675	1.09401761	0.9729229	0.845243	0.722827	0.610596	0.509755
0	11.839551	9.60101816	7.78540572	6.31118808	5.11207212	4.1357136	3.340617	2.692932	2.164222	1.730216
150	0.44953176	1.00570018	1.18936508	1.18340675	1.09401761	0.9729229	0.845243	0.722827	0.610596	0.509755
300	0	2.441E-13	3.0555E-09	3.1995E-07	4.9024E-06	2.861E-05	9.6E-05	0.000227	0.000425	0.000673

DIPE Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	2.2	2.2
70		0.954
140	0.449	0.414
210	0.0551	0.180
280		0.078
350		0.034
420		0.015
490		0.006
560		0.003
630		0.001
700		0.001

Temporal Calibration Data

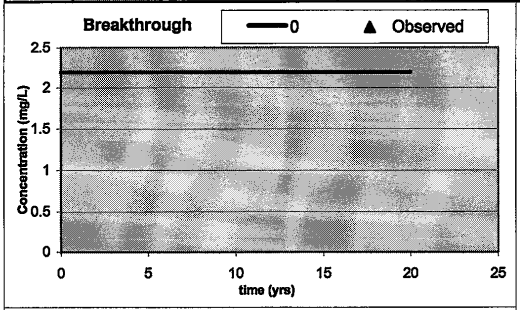
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		2.2		2.2
2		2.200		2.200
4		2.200		2.200
6		2.200		2.200
8		2.200		2.200
10		2.200		2.200
12		2.200		2.200
14		2.200		2.200
16		2.200		2.200
18		2.200		2.200
20		2.200		2.200

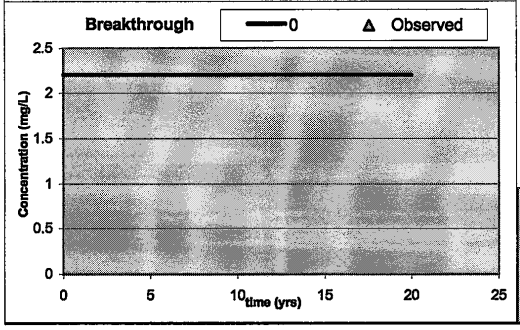
Site ID 7584 eastern

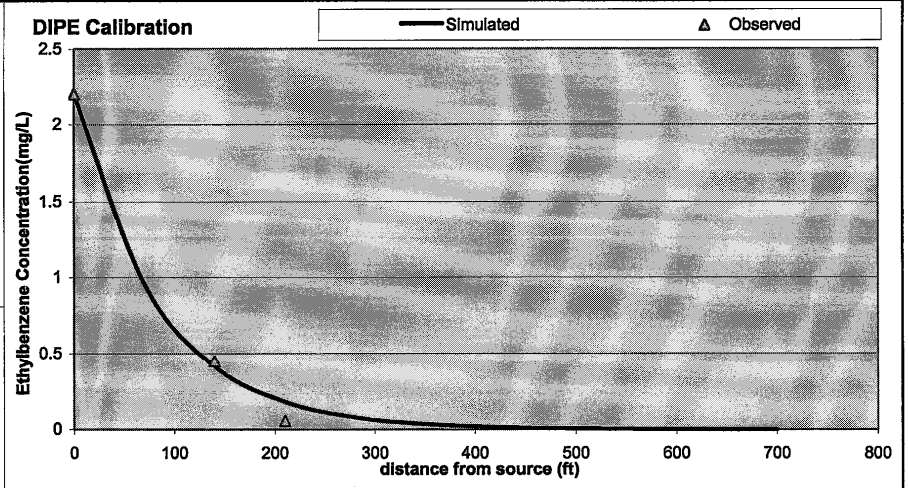
Site Name University Mart

Model Calibration Parameters

$t_{1/2}$	0.9	yrs	λ	0.77	yr^{-1}
v_x	52	ft/yr			
R	1.002				
v_R	51.907	ft/yr	C_{source}	2.2	mg/L
L_p	660	ft			
α_x	20.4096	ft	t_{sim}	20	yrs
α_y	2.04096	ft			
α_z	1E-99	ft			







Source	70	140	210	280	350	420	490	560	630	700
300	0	1.0528E-14	7.05E-11	3.9495E-09	3.2376E-08	1.011E-07	1.81E-07	2.3E-07	2.31E-07	1.97E-07
150	0.03623912	0.04337439	0.02744278	0.01460822	0.00722516	0.0034379	0.001598	0.000732	0.000332	0.000149
0	0.95444855	0.41407798	0.17963632	0.07790663	0.03376138	0.014614	0.006318	0.002728	0.001176	0.000507
150	0.03623912	0.04337439	0.02744278	0.01460822	0.00722516	0.0034379	0.001598	0.000732	0.000332	0.000149
300	0	1.0528E-14	7.05E-11	3.9495E-09	3.2376E-08	1.011E-07	1.81E-07	2.3E-07	2.31E-07	1.97E-07

tAME Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	0.641	0.641
70		0.564
140	0.607	0.496
210		0.436
280		0.383
350		0.336
420		0.295
490		0.258
560		0.225
630		0.196
700		0.169

Temporal Calibration Data

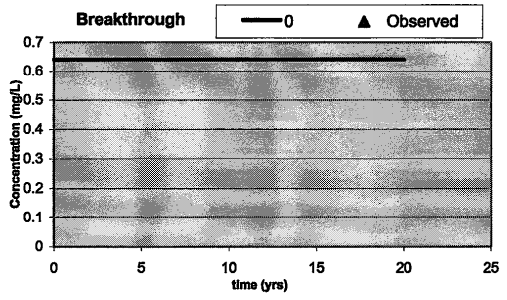
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		0.641		0.641
2		0.641		0.641
4		0.641		0.641
6		0.641		0.641
8		0.641		0.641
10		0.641		0.641
12		0.641		0.641
14		0.641		0.641
16		0.641		0.641
18		0.641		0.641
20		0.641		0.641

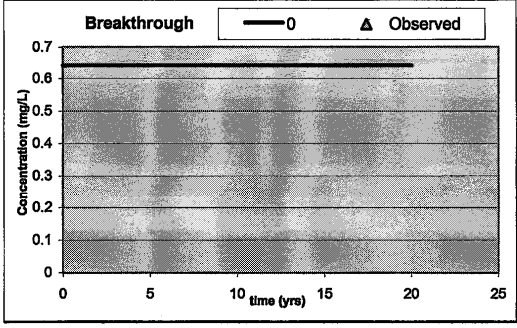
Site ID 7584 eastern

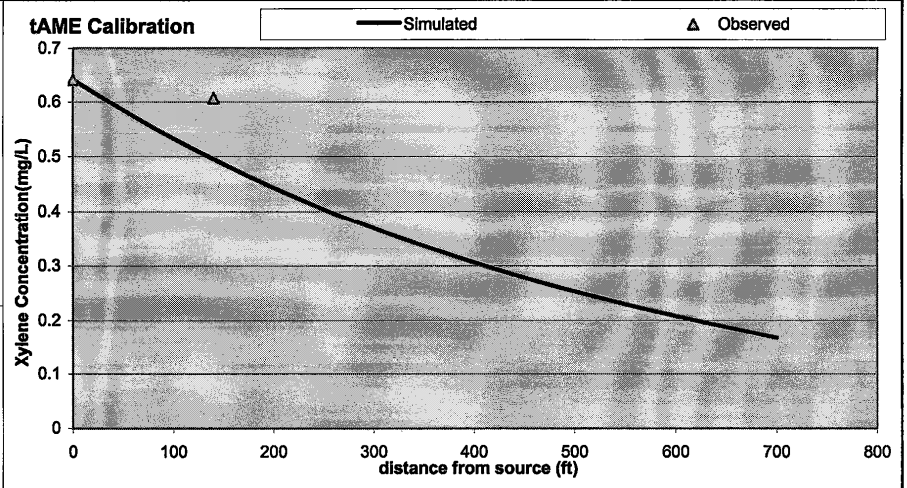
Site Name University Mart

Model Calibration Parameters

$t_{1/2}$	7	yrs	λ	0.099 yr^{-1}
v_x	52	ft/yr		
R	1.002			
v_R	51.907	ft/yr	C_{source}	0.641 mg/L
L_p	660	ft		
α_x	20.4096	ft	t_{sim}	20 yrs
α_y	2.04096	ft		
α_z	1E-99	ft		







Source	70	140	210	280	350	420	490	560	630	700
300	0	1.2599E-14	1.7099E-10	1.9414E-08	3.2251E-07	2.041E-06	7.42E-06	1.9E-05	3.85E-05	6.57E-05
150	0.0213992	0.05190839	0.06656027	0.07180599	0.07197192	0.0693878	0.065332	0.060507	0.05527	0.049759
0	0.56360189	0.49554869	0.43569355	0.38294621	0.33630689	0.2949545	0.258207	0.225421	0.195903	0.168891
150	0.0213992	0.05190839	0.06656027	0.07180599	0.07197192	0.0693878	0.065332	0.060507	0.05527	0.049759
300	0	1.2599E-14	1.7099E-10	1.9414E-08	3.2251E-07	2.041E-06	7.42E-06	1.9E-05	3.85E-05	6.57E-05

SSTLs t 1000 yrs

UST Permit # 7584 eastern
Site Name: University Mai

SSTLs in mg/L			RBSLs (mg/L):	1.400	0.240	0.150	0.128		
MW #	x (ft)	y (ft)	z (ft)	tBA SSTL	tAA SSTL	DIPE SSTL	tAME SSTL		
mw-25	630	0	0	60.494	1.612	280.540	0.415		
mw-20	585	0	0	46.103	1.403	163.353	0.381		
mw-22	600	0	0	50.470	1.469	195.612	0.392		
mw-5ar	585	0	0	46.103	1.403	163.353	0.381		
rw-1	495	0	0	26.814	1.065	55.462	0.320		
mw-19	495	0	0	26.814	1.065	55.462	0.320		
mw-17	390	0	0	14.286	0.773	15.770	0.263		
mw-15	240	0	0	5.838	0.492	2.628	0.199		
mw-54	60	0	0	2.001	0.287	0.307	0.143		
mw-9	405	0	0	15.628	0.809	18.870	0.270		
mw-23	555	0	0	38.475	1.279	113.935	0.359		
mw-24	495	0	0	26.814	1.065	55.462	0.320		
mw-47	375	0	0	13.060	0.739	13.180	0.256		
pw-1	510	0	0	29.344	1.114	66.394	0.330		
			λ (yr^{-1}):	0.347	0.165	0.770	0.099		
			R:	1.001	1.001	1.002	1.002		

Domenico Model (Oxygenates)

UST # 07777
Site Name: Cloud's Chevron
Modeler: Block
Date: 8/1/2005

Groundwater Flow Parameters

K	500	ft/yr
dh/dx	0.01	
θ	0.25	dec. %
v_x	52	ft/yr

Transport Parameters

x_{max}	700	ft
y_{max}	300	ft
z	0	ft
Source Width	240	ft
Source Thickness	15	ft
Plume Length	660	ft
α_x	20.4096	ft
α_y	2.04096	ft
α_z	1.00E-99	ft

Simulation Time

t_{sim} 20 yrs

Aquifer Characteristics

ρ_d	1.5	kg/L
f_{oc}	0.0002	

Source Area CoC Data

CoC	C_{source} (mg/L)	K_{oc} (L/kg)
tBA	0.834	1
tAA	22.4	1
DIPE	2.28	1.5
tAME	0.3	1.5
EtBE		1.5
Ethanol		0.5

Retarded Velocity (ft/yr)

CoC	R	v_R
tBA	1.001	51.94
tAA	1.001	51.94
DIPE	1.002	51.91
tAME	1.002	51.91
EtBE	1.002	51.91
Ethanol	1.001	51.97

Simulation Points for Breakthrough Curves

x		ft
y	0	ft
z	0	ft

x		ft
y	0	ft
z	0	ft

$$C(x,y,z,t) = \left(\frac{C_0}{8}\right)\exp\left[\left(\frac{x}{2\alpha_x}\right)\left(1-\sqrt{1+\frac{4\lambda\alpha_x}{v}}\right)\right] erfc\left[\frac{x-vt\sqrt{1+\frac{4\lambda\alpha_x}{v}}}{2\sqrt{\alpha_x vt}}\right]\left\{erf\left[\frac{y+\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]-erf\left[\frac{y-\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]\right\}\left\{erf\left[\frac{z+Z}{2\sqrt{\alpha_z x}}\right]-erf\left[\frac{z-Z}{2\sqrt{\alpha_z x}}\right]\right\}$$

07777 oxygenates

tBA Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	0.834	0.834
70		0.515
140		0.318
210	0.191	0.197
280		0.121
350		0.075
420		0.046
490		0.028
560		0.017
630		0.011
700		0.007

Temporal Calibration Data

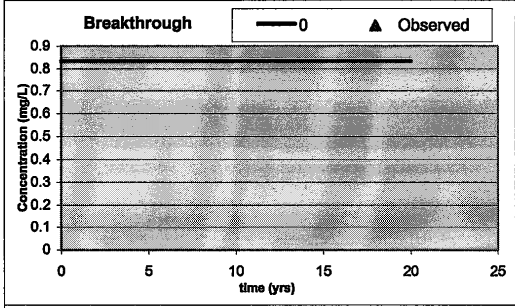
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		0.834		0.834
2		0.834		0.834
4		0.834		0.834
6		0.834		0.834
8		0.834		0.834
10		0.834		0.834
12		0.834		0.834
14		0.834		0.834
16		0.834		0.834
18		0.834		0.834
20		0.834		0.834

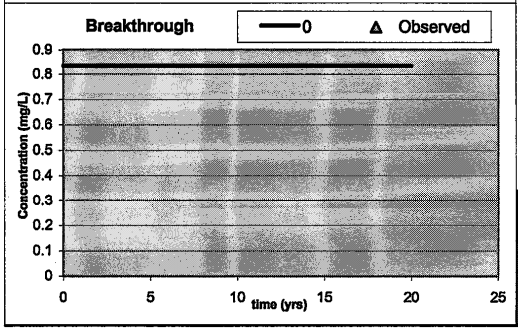
Site ID 07777

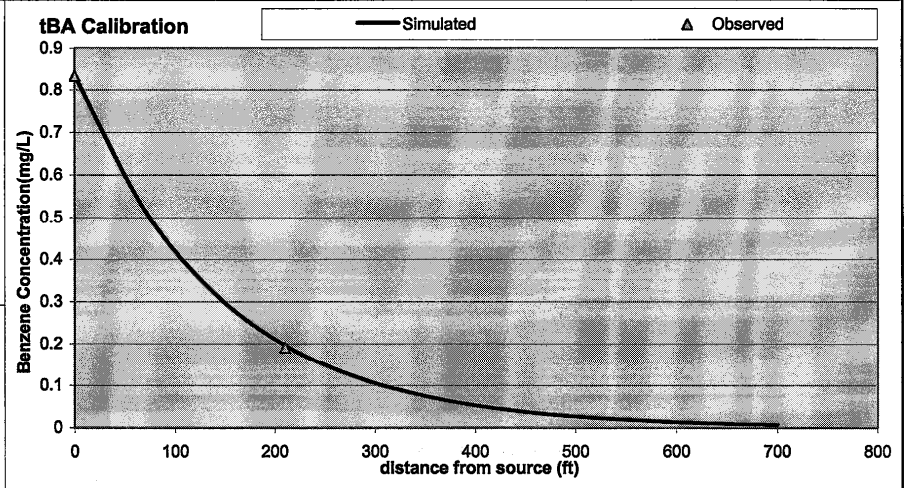
Site Name Cloud's Chevron

Model Calibration Parameters

$t_{1/2}$	1.7	yrs	λ	0.40765	yr^{-1}
v_x	52	ft/yr			
R	1.001				
v_R	51.938	ft/yr	C_{source}	0.834	mg/L
L_p	660	ft			
α_x	20.4096	ft	t_{sim}	20	yrs
α_y	2.04096	ft			
α_z	1E-99	ft			







Source	70	140	210	280	350	420	490	560	630	700
300	0	8.0904E-15	7.7141E-11	6.153E-09	7.1816E-08	3.193E-07	8.16E-07	1.47E-06	2.11E-06	2.56E-06
150	0.01956009	0.03333317	0.03002764	0.02275832	0.01602655	0.0108577	0.007188	0.004687	0.003024	0.001936
0	0.51516435	0.31821843	0.19655643	0.12137168	0.07488808	0.046154	0.028408	0.017462	0.010719	0.00657
150	0.01956009	0.03333317	0.03002764	0.02275832	0.01602655	0.0108577	0.007188	0.004687	0.003024	0.001936
300	0	8.0904E-15	7.7141E-11	6.153E-09	7.1816E-08	3.193E-07	8.16E-07	1.47E-06	2.11E-06	2.56E-06

tAA Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	22.4	22.4
70		16.952
140		12.830
210	9.84	9.709
280		7.345
350		5.553
420		4.193
490		3.161
560		2.379
630		1.787
700		1.337

Temporal Calibration Data

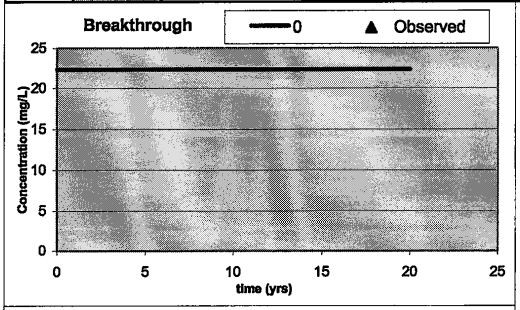
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		22.4		22.4
2		22.400		22.400
4		22.400		22.400
6		22.400		22.400
8		22.400		22.400
10		22.400		22.400
12		22.400		22.400
14		22.400		22.400
16		22.400		22.400
18		22.400		22.400
20		22.400		22.400

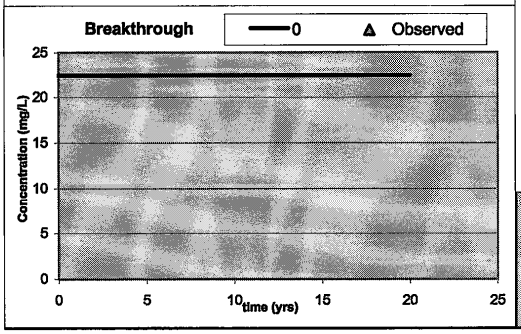
Site ID 07777

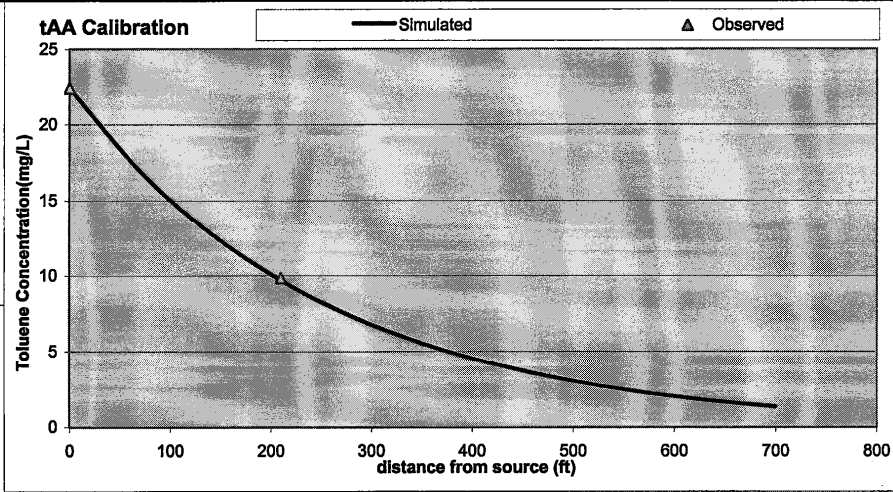
Site Name Cloud's Chevron

Model Calibration Parameters

$t_{1/2}$	3.1	yrs	λ	0.22355	yr^{-1}
v_x	52	ft/yr			
R	1.001				
v_R	51.938	ft/yr	C_{source}	22.4	mg/L
L_p	660	ft			
α_x	20.4096	ft	t_{sim}	20	yrs
α_y	2.04096	ft			
α_z	1E-99	ft			







Source	70	140	210	280	350	420	490	560	630	700
300	0	3.2618E-13	3.8104E-09	3.7237E-07	5.3249E-06	2.901E-05	9.08E-05	0.000201	0.000351	0.00052
150	0.64365918	1.34389269	1.48324209	1.37731435	1.18831319	0.986305	0.799829	0.638677	0.504171	0.393963
0	16.9523854	12.8296071	9.70908064	7.34531041	5.5526919	4.1925982	3.161127	2.379427	1.787004	1.337194
150	0.64365918	1.34389269	1.48324209	1.37731435	1.18831319	0.986305	0.799829	0.638677	0.504171	0.393963
300	0	3.2618E-13	3.8104E-09	3.7237E-07	5.3249E-06	2.901E-05	9.08E-05	0.000201	0.000351	0.00052

DIPE Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	2.28	2.28
70		0.816
140		0.292
210	0.0816	0.105
280		0.037
350		0.013
420		0.005
490		0.002
560		0.001
630		0.000
700		0.000

Temporal Calibration Data

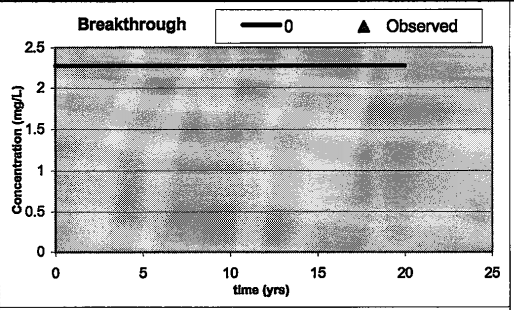
t (yrs)	0 C_{obs} (mg/L)	0 C_{sim} (mg/L)	0 C_{obs} (mg/L)	0 C_{sim} (mg/L)
0		2.28		2.28
2		2.280		2.280
4		2.280		2.280
6		2.280		2.280
8		2.280		2.280
10		2.280		2.280
12		2.280		2.280
14		2.280		2.280
16		2.280		2.280
18		2.280		2.280
20		2.280		2.280

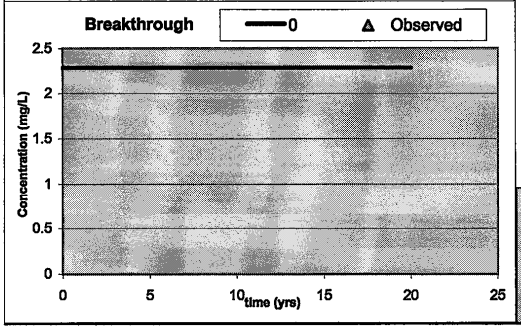
Site ID 07777

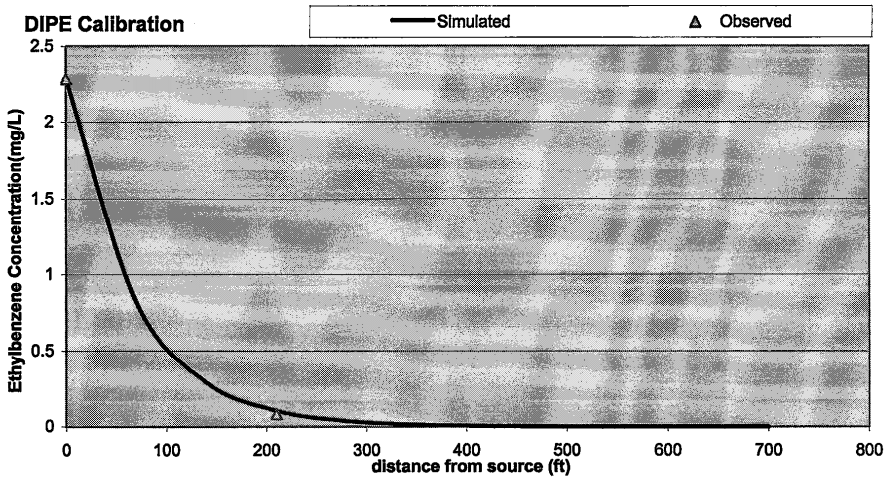
Site Name Cloud's Chevron

Model Calibration Parameters

$t_{1/2}$	0.7	yrs	λ	0.99	yr^{-1}
v_x	52	ft/yr			
R	1.002				
v_R	51.907	ft/yr	C_{source}	2.28	mg/L
L_p	660	ft			
α_x	20.4096	ft	t_{sim}	20	yrs
α_y	2.04096	ft			
α_z	1E-99	ft			







Source	70	140	210	280	350	420	490	560	630	700
300	0	7.4273E-15	4.1038E-11	1.8969E-09	1.283E-08	3.306E-08	4.9E-08	5.12E-08	4.24E-08	2.99E-08
150	0.0309874	0.03060105	0.01597447	0.00701602	0.0028631	0.001124	0.000431	0.000163	6.09E-05	2.26E-05
0	0.81613133	0.29213597	0.10456646	0.03741692	0.01337855	0.0047781	0.001704	0.000607	0.000216	7.68E-05
150	0.0309874	0.03060105	0.01597447	0.00701602	0.0028631	0.001124	0.000431	0.000163	6.09E-05	2.26E-05
300	0	7.4273E-15	4.1038E-11	1.8969E-09	1.283E-08	3.306E-08	4.9E-08	5.12E-08	4.24E-08	2.99E-08

tAME Calibration

Spatial Calibration Data

(centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	0.3	0.3
70		0.201
140		0.135
210	0.0913	0.091
280		0.061
350		0.041
420		0.027
490		0.018
560		0.012
630		0.008
700		0.005

Temporal Calibration Data

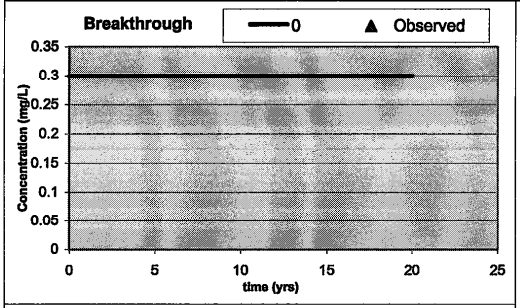
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		0.3		0.3
2		0.300		0.300
4		0.300		0.300
6		0.300		0.300
8		0.300		0.300
10		0.300		0.300
12		0.300		0.300
14		0.300		0.300
16		0.300		0.300
18		0.300		0.300
20		0.300		0.300

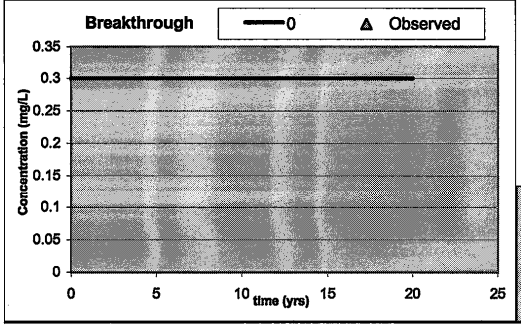
Site ID 07777

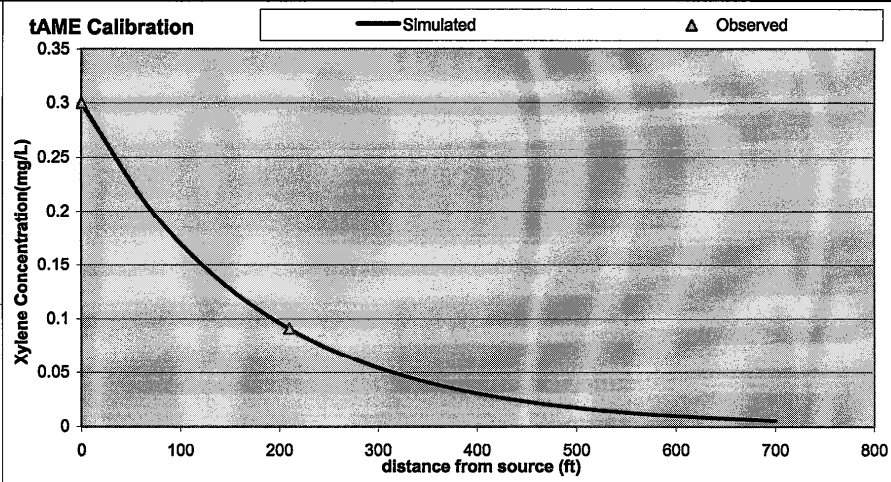
Site Name Cloud's Chevron

Model Calibration Parameters

$t_{1/2}$	2.1	yrs	λ	0.33	yr^{-1}
v_x	52	ft/yr			
R	1.002				
v_R	51.907	ft/yr	C_{source}	0.3	mg/L
L_p	660	ft			
α_x	20.4096	ft	t_{sim}	20	yrs
α_y	2.04096	ft			
α_z	1E-99	ft			





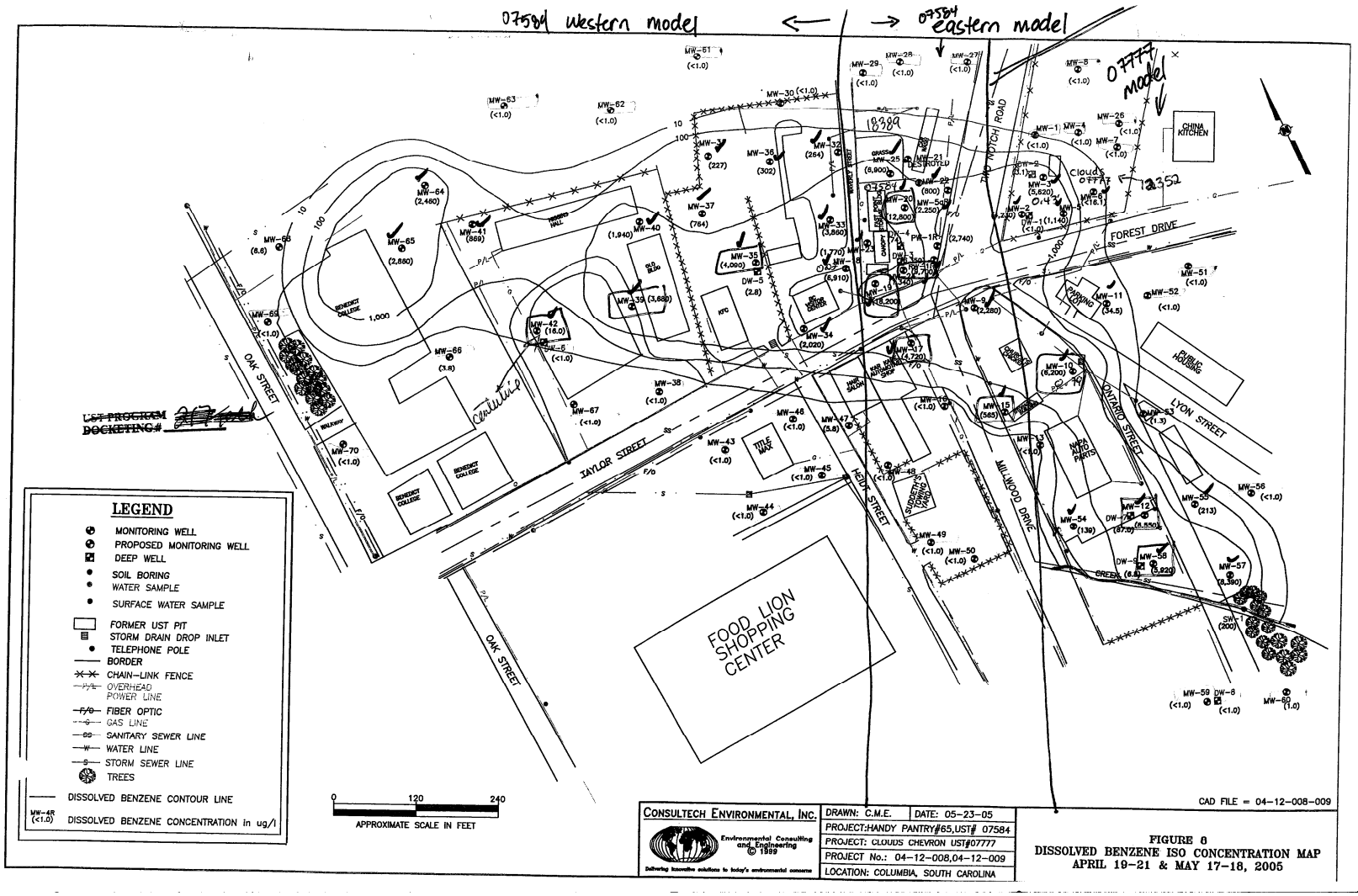


Source	70	140	210	280	350	420	490	560	630	700
300	0	3.4362E-15	3.5601E-11	3.0855E-09	3.9133E-08	1.891E-07	5.25E-07	1.03E-06	1.6E-06	2.11E-06
150	0.00764538	0.01415722	0.01385785	0.01141269	0.00873293	0.0064288	0.004624	0.003276	0.002296	0.001596
0	0.20136045	0.13515336	0.09071141	0.06086464	0.04080682	0.0273275	0.018276	0.012206	0.008139	0.005416
150	0.00764538	0.01415722	0.01385785	0.01141269	0.00873293	0.0064288	0.004624	0.003276	0.002296	0.001596
300	0	3.4362E-15	3.5601E-11	3.0855E-09	3.9133E-08	1.891E-07	5.25E-07	1.03E-06	1.6E-06	2.11E-06

SSTLs t 1000 yrs

UST Permit # 07777
Site Name: Cloud's Chevr

SSTLs in mg/L			RBSLs (mg/L):	1.400	0.240	0.150	0.128		
MW #	x (ft)	y (ft)	z (ft)	tBA SSTL	tAA SSTL	DIPE SSTL	tAME SSTL		
mw-3	585	0	0	79.572	2.499	814.682	3.634		
mw-2	517.5	0	0	49.751	1.900	300.980	2.462		
mw-5	540	0	0	58.175	2.082	419.406	2.802		
mw-6	577.5	0	0	75.523	2.424	729.315	3.480		
mw-11	412.5	0	0	24.018	1.244	64.097	1.346		
mw-10	300	0	0	11.042	0.793	12.261	0.707		
mw-12	112.5	0	0	3.037	0.376	0.782	0.243		
mw-58	37.5	0	0	1.812	0.279	0.260	0.158		
mw-55	142.5	0	0	3.733	0.423	1.214	0.288		
mw-57	45	0	0	1.908	0.287	0.290	0.165		
mw-53	240	0	0	7.303	0.624	5.080	0.502		
			λ (yr^{-1}):	0.408	0.224	0.990	0.330		
			R:	1.001	1.001	1.002	1.002		



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Delivering innovative solutions to today's environmental concerns

DRAWN: C.M.E.	DATE: 05-23-05
PROJECT: HANDY PANTRY #65, UST # 07584	
PROJECT: CLOUDS CHEVRON UST #07777	
PROJECT No.: 04-12-008, 04-12-009	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 6
DISSOLVED BENZENE ISO CONCENTRATION MAP
APRIL 19-21 & MAY 17-18, 2005

07584 western plume
BTEX+N+M

Domenico Model

UST # 7584 western
Site Name: University Mart
Modeler: Block
Date: 6/15/2005

Transport Parameters

x_{max}	950	ft
y_{max}	350	ft
z	0	ft
Source Width	300	ft
Source Thickness	15	ft
Plume Length	900	ft
α_x	23.41045	ft
α_y	2.341045	ft
α_z	1.00E-99	ft

Simulation Time

t_{sim} 20 yrs

Groundwater Flow Parameters

K	70	ft/yr
dh/dx	0.1	
θ	0.25	dec. %
v_x	52	ft/yr

Aquifer Characteristics

ρ_d	1.5	kg/L
f_{oc}	0.0002	

Source Area CoC Data

CoC	C_{source} (mg/L)	K_{oc} (L/kg)
Benzene	12.8	81
Toluene	23.4	133
Ethylbenzene	1.63	176
Xylenes	12.4	639
Naphthalene	1.43	1543
MtBE	18	11
EDB		28
1,2-DCA		17.5

Retarded Velocity (ft/yr)

CoC	R	v_R
Benzene	1.097	47.39
Toluene	1.160	44.84
Ethylbenzene	1.211	42.93
Xylenes	1.767	29.43
Naphthalene	2.852	18.24
MtBE	1.013	51.32
EDB	1.034	50.31
1,2-DCA	1.021	50.93

Simulation Points for Breakthrough Curves

x		ft
y	0	ft
z	0	ft

x		ft
y	0	ft
z	0	ft

$$C(x,y,z,t)=\left(\frac{C_0}{8}\right)\exp\left[\left(\frac{x}{2\alpha_x}\right)\left(1-\sqrt{1+\frac{4\lambda\alpha_x}{v}}\right)\right]erfc\left[\frac{x-vt\sqrt{1+\frac{4\lambda\alpha_x}{v}}}{2\sqrt{\alpha_x vt}}\right]\left\{erf\left[\frac{y+\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]-erf\left[\frac{y-\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]\right\}\left\{erf\left[\frac{z+Z}{2\sqrt{\alpha_z x}}\right]-erf\left[\frac{z-Z}{2\sqrt{\alpha_z x}}\right]\right\}$$

UST PROGRAM
DOCKETING # 2019 Tech

Benzene Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	12.8	12.8
95		8.893
190		6.178
285	4.09	4.292
380		2.980
475	3.68	2.066
570	0.016	1.427
665		0.977
760		0.656
855		0.424
950		0.258

Temporal Calibration Data

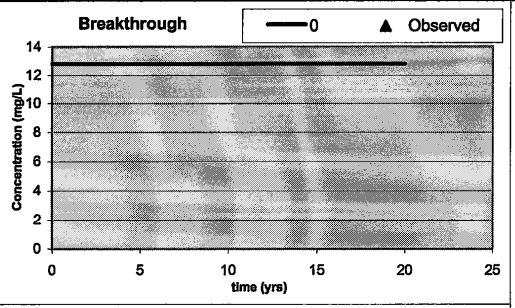
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		12.8		12.8
2		12.800		12.800
4		12.800		12.800
6		12.800		12.800
8		12.800		12.800
10		12.800		12.800
12		12.800		12.800
14		12.800		12.800
16		12.800		12.800
18		12.800		12.800
20		12.800		12.800

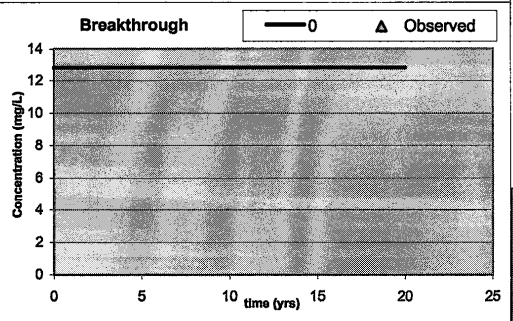
Site ID 7584 western

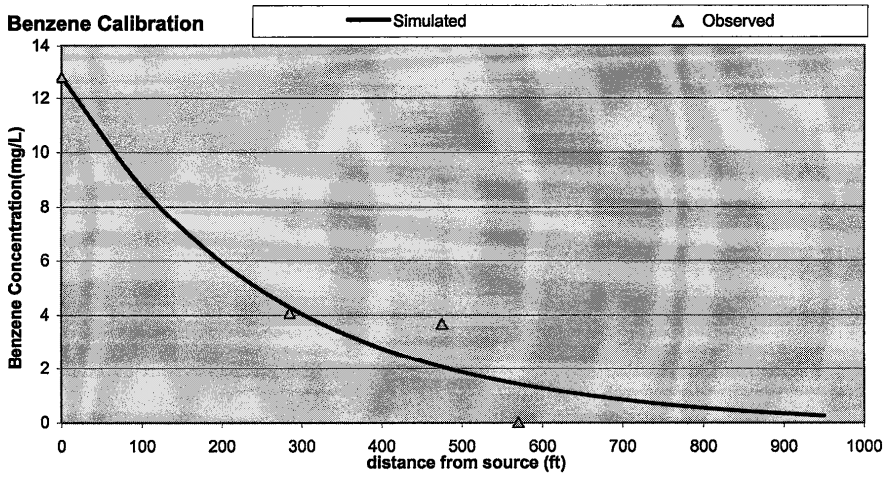
Site Name University Mart

Model Calibration Parameters

$t_{1/2}$	3.5	yrs	λ	0.198 yr^{-1}
v_x	52	ft/yr		
R	1.097			
v_R	47.393	ft/yr	C_{source}	12.8 mg/L
L_p	900	ft		
α_x	23.410453	ft	t_{sim}	20 yrs
α_y	2.3410453	ft		
α_z	1E-99	ft		







Source	95	190	285	380	475	570	665	760	855	950
350	0	6.199E-11	9.387E-08	3.162E-06	2.303E-05	7.751E-05	0.000166	0.000266	0.000339	0.000358
175	1.04875597	1.24158686	1.05959961	0.82494081	0.61673046	0.4501826	0.321915	0.224068	0.149479	0.093446
0	8.89278798	6.17822779	4.29200792	2.98029726	2.06642261	1.4274237	0.977183	0.65585	0.423893	0.257588
175	1.04875597	1.24158686	1.05959961	0.82494081	0.61673046	0.4501826	0.321915	0.224068	0.149479	0.093446
350	0	6.199E-11	9.387E-08	3.162E-06	2.303E-05	7.751E-05	0.000166	0.000266	0.000339	0.000358

Toluene Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	23.4	23.4
95		13.905
190		8.263
285	4.06	4.910
380		2.916
475		1.730
570	2.46	1.023
665		0.600
760		0.346
855		0.193
950		0.101

Temporal Calibration Data

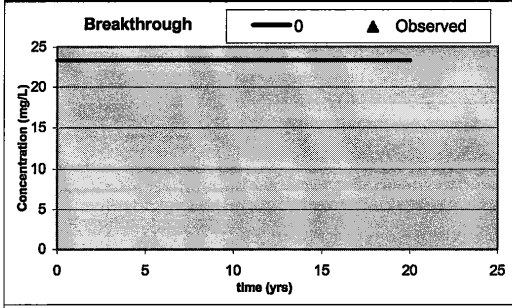
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		23.4		23.4
2		23.400		23.400
4		23.400		23.400
6		23.400		23.400
8		23.400		23.400
10		23.400		23.400
12		23.400		23.400
14		23.400		23.400
16		23.400		23.400
18		23.400		23.400
20		23.400		23.400

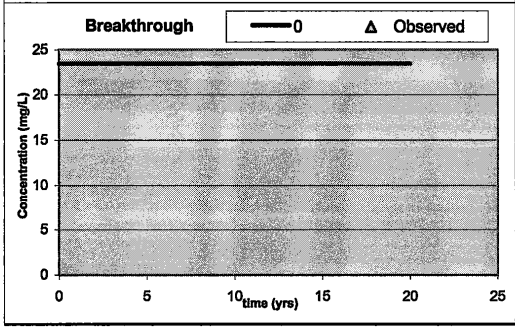
Site ID 7584 western

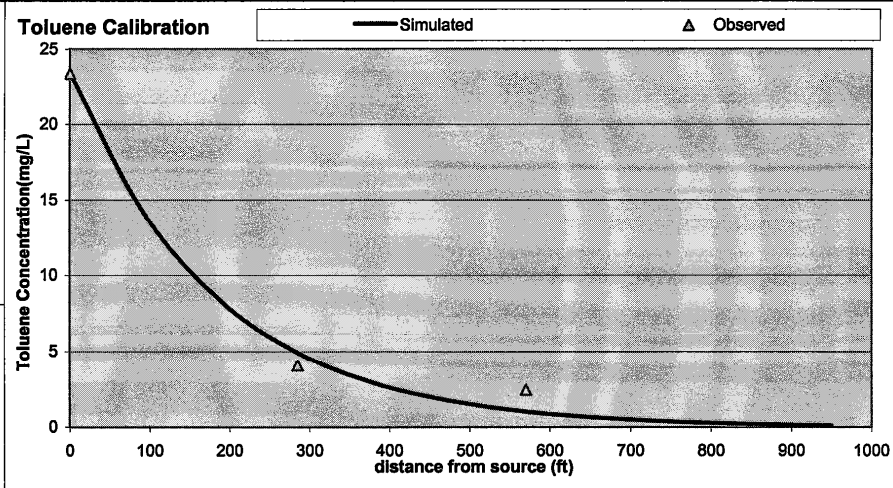
Site Name University Mart

Model Calibration Parameters

$t_{1/2}$	2.5	yrs	λ	0.2772	yr^{-1}
v_x	52	ft/yr			
R	1.160				
v_R	44.843	ft/yr	C_{source}	23.4	mg/L
L_p	900	ft			
α_x	23.410453	ft	t_{sim}	20	yrs
α_y	2.3410453	ft			
α_z	1E-99	ft			







Source	95	190	285	380	475	570	665	760	855	950
350	0	8.2905E-11	1.0738E-07	3.0939E-06	1.928E-05	5.555E-05	0.000102	0.00014	0.000154	0.00014
175	1.63985959	1.66049126	1.21208824	0.80718881	0.51630607	0.3226588	0.19781	0.118301	0.08797	0.036642
0	13.9049732	8.26272697	4.90967745	2.9161639	1.72993976	1.0230755	0.600457	0.34627	0.192748	0.101005
175	1.63985959	1.66049126	1.21208824	0.80718881	0.51630607	0.3226588	0.19781	0.118301	0.08797	0.036642
350	0	8.2905E-11	1.0738E-07	3.0939E-06	1.928E-05	5.555E-05	0.000102	0.00014	0.000154	0.00014

Ethylbenzene Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	1.63	1.63
95		0.910
190		0.508
285	0.296	0.284
380		0.158
475		0.088
570		0.049
665		0.027
760		0.015
855		0.008
950		0.004

Temporal Calibration Data

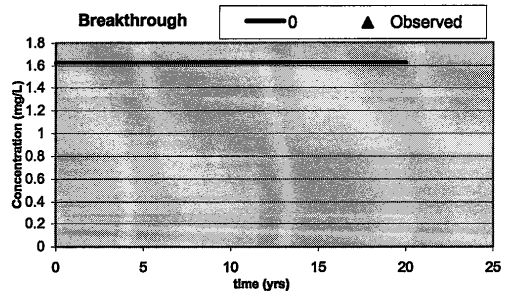
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
	0		0	
0		1.63		1.63
2		1.630		1.630
4		1.630		1.630
6		1.630		1.630
8		1.630		1.630
10		1.630		1.630
12		1.630		1.630
14		1.630		1.630
16		1.630		1.630
18		1.630		1.630
20		1.630		1.630

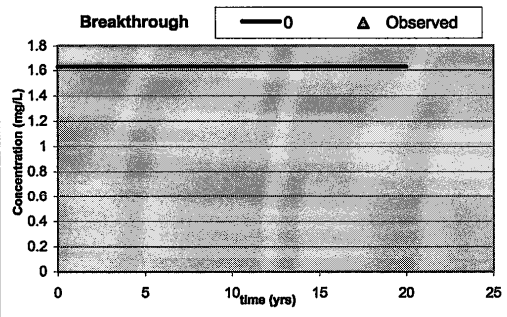
Site ID 7584 western

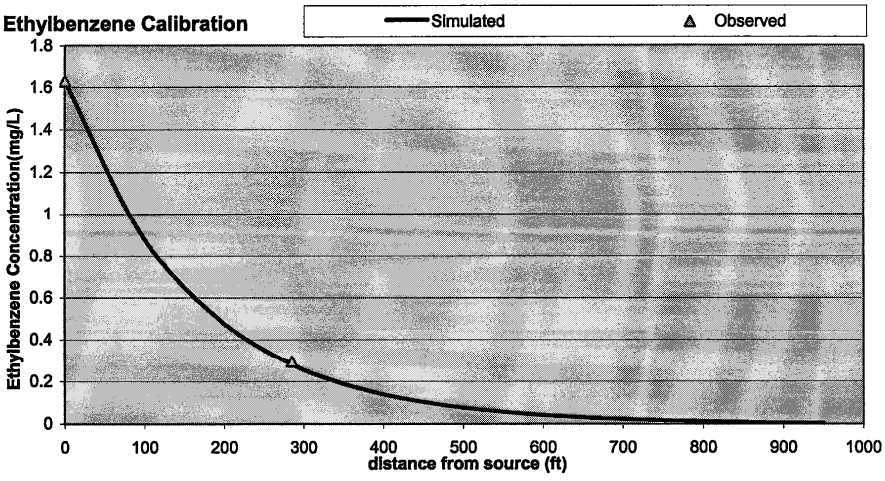
Site Name University Mart

Model Calibration Parameters

$t_{1/2}$	2.3	yrs	λ	0.3013	yr^{-1}
v_x	52	ft/yr			
R	1.211				
v_R	42.933	ft/yr	C_{source}	1.63	mg/L
L_p	900	ft			
α_x	23.410453	ft	t_{sim}	20	yrs
α_y	2.3410453	ft			
α_z	1E-99	ft			







Source	95	190	285	380	475	570	665	760	855	950
350	0	5.0967E-12	6.2014E-09	1.6786E-07	9.8259E-07	2.658E-06	4.59E-06	5.89E-06	6.03E-06	5.07E-06
175	0.10731093	0.10207971	0.07000064	0.04379279	0.02631255	0.0154414	0.00888	0.004969	0.002658	0.001324
0	0.9099289	0.50795615	0.28354416	0.15821199	0.08816306	0.0489612	0.026956	0.014544	0.007537	0.003649
175	0.10731093	0.10207971	0.07000064	0.04379279	0.02631255	0.0154414	0.00888	0.004969	0.002658	0.001324
350	0	5.0967E-12	6.2014E-09	1.6786E-07	9.8259E-07	2.658E-06	4.59E-06	5.89E-06	6.03E-06	5.07E-06

Xylenes Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	12.4	12.4
95		6.259
190		3.159
285	1.59	1.593
380		0.799
475		0.393
570		0.185
665		0.079
760		0.029
855		0.009
950		0.002

Temporal Calibration Data

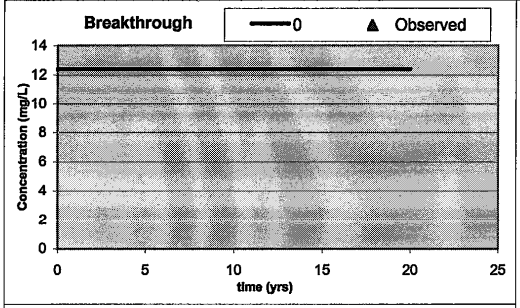
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		12.4		12.4
2		12.400		12.400
4		12.400		12.400
6		12.400		12.400
8		12.400		12.400
10		12.400		12.400
12		12.400		12.400
14		12.400		12.400
16		12.400		12.400
18		12.400		12.400
20		12.400		12.400

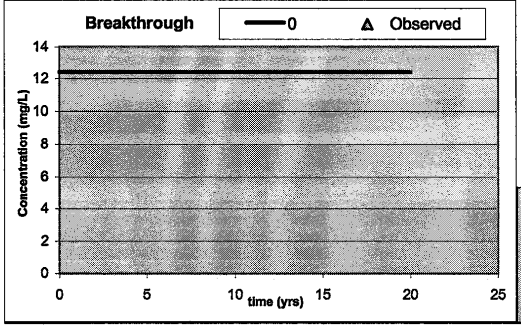
Site ID 7584 western

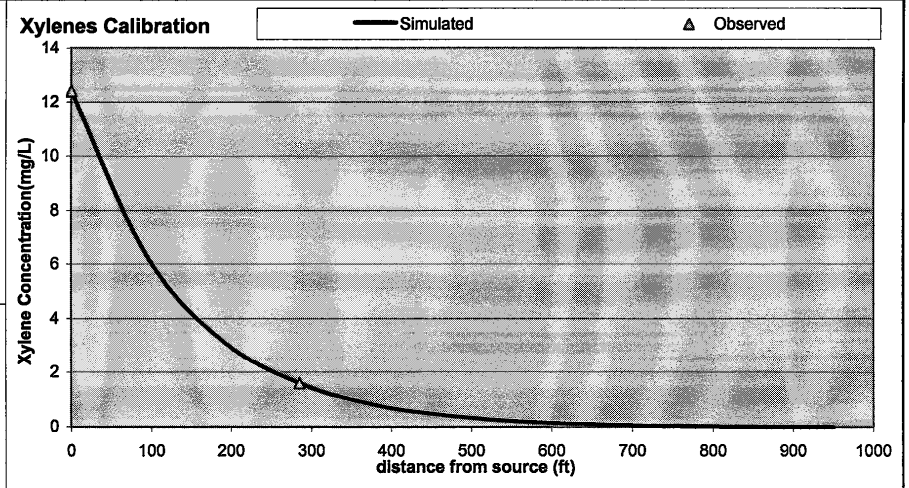
Site Name University Mart

Model Calibration Parameters

$t_{1/2}$	2.8	yrs	λ	0.2475	yr^{-1}
v_x	52	ft/yr			
R	1.767				
v_R	29.432	ft/yr	C_{source}	12.4	mg/L
L_p	900	ft			
α_x	23.410453	ft	t_{sim}	20	yrs
α_y	2.3410453	ft			
α_z	1E-99	ft			







Source	95	190	285	380	475	570	665	760	855	950
350	0	3.1693E-11	3.483E-08	8.4754E-07	4.385E-06	1.003E-05	1.34E-05	1.18E-05	7.07E-06	2.94E-06
175	0.73812018	0.63476882	0.39316031	0.22111763	0.11742537	0.0582725	0.026024	0.009956	0.003115	0.000768
0	6.25879277	3.15865648	1.59253281	0.79884068	0.39344649	0.1847686	0.078997	0.029142	0.008833	0.002117
175	0.73812018	0.63476882	0.39316031	0.22111763	0.11742537	0.0582725	0.026024	0.009956	0.003115	0.000768
350	0	3.1693E-11	3.483E-08	8.4754E-07	4.385E-06	1.003E-05	1.34E-05	1.18E-05	7.07E-06	2.94E-06

MtBE Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	18	18
95		7.922
190		3.486
285	1.73	1.534
380		0.675
475	0.066	0.297
570		0.130
665		0.057
760		0.025
855		0.011
950		0.005

Temporal Calibration Data

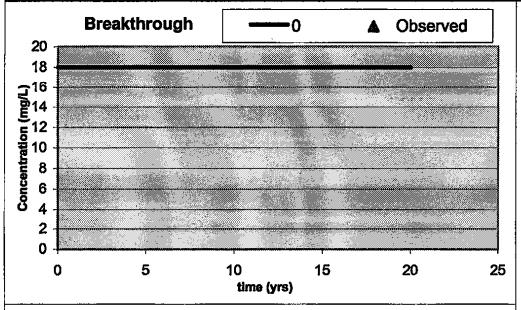
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		18		18
2		18.000		18.000
4		18.000		18.000
6		18.000		18.000
8		18.000		18.000
10		18.000		18.000
12		18.000		18.000
14		18.000		18.000
16		18.000		18.000
18		18.000		18.000
20		18.000		18.000

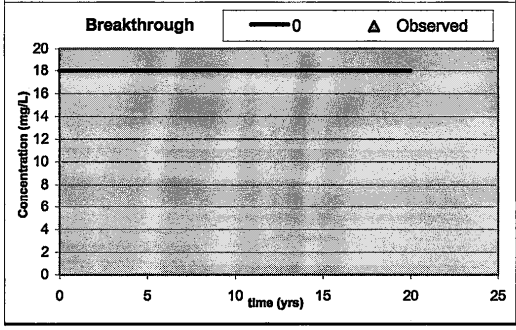
Site ID 7584 western

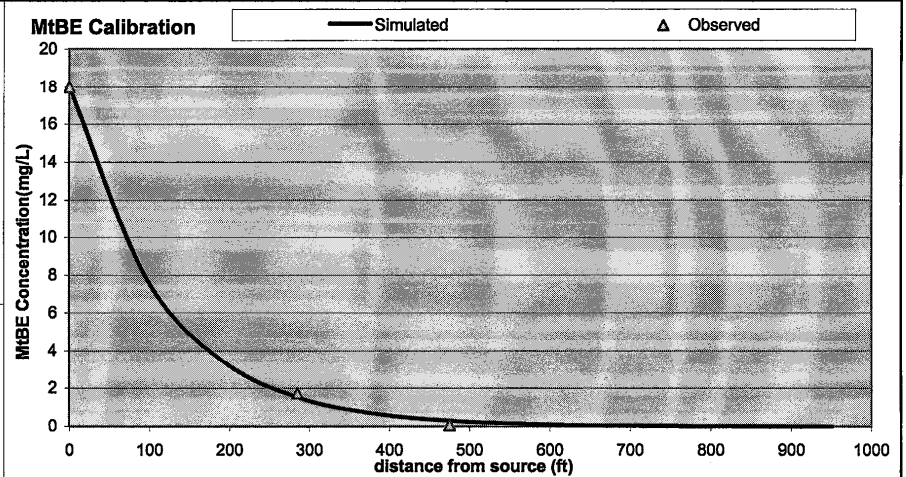
Site Name University Mart

Model Calibration Parameters

$t_{1/2}$	1.3	yrs	λ	0.53308	yr^{-1}
v_x	52	ft/yr			
R	1.013				
v_R	51.323	ft/yr	C_{source}	18	mg/L
L_p	900	ft			
α_x	23.410453	ft	t_{sim}	20	yrs
α_y	2.3410453	ft			
α_z	1E-99	ft			







Source	95	190	285	380	475	570	665	760	855	950
350	0	3.4982E-11	3.3557E-08	7.1618E-07	3.3074E-06	7.075E-06	9.73E-06	1.01E-05	8.73E-06	6.57E-06
175	0.93424994	0.70063787	0.37878998	0.1868479	0.0885683	0.0410972	0.018823	0.008544	0.003848	0.001715
0	7.92184916	3.48642572	1.53432445	0.67503301	0.29675775	0.1303096	0.057139	0.025009	0.010911	0.004727
175	0.93424994	0.70063787	0.37878998	0.1868479	0.0885683	0.0410972	0.018823	0.008544	0.003848	0.001715
350	0	3.4982E-11	3.3557E-08	7.1618E-07	3.3074E-06	7.075E-06	9.73E-06	1.01E-05	8.73E-06	6.57E-06

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
2600 Bull Street • Columbia, SC 29201 • Phone: (803) 898-3432 • www.scdhec.net

Naphthalene Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	1.43	1.43
95		0.897
190		0.553
285	0.238	0.319
380		0.157
475		0.059
570	0.124	0.016
665		0.003
760		0.000
855		0.000
950		0.000

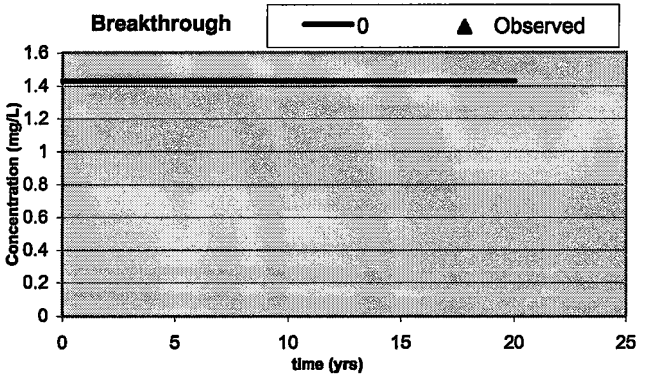
Temporal Calibration Data

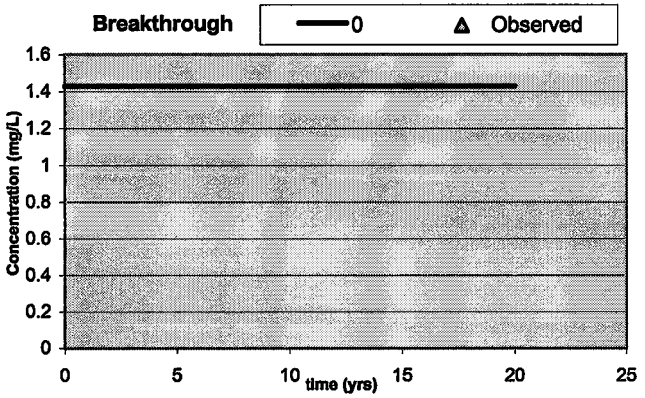
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		1.43		1.43
2		1.430		1.430
4		1.430		1.430
6		1.430		1.430
8		1.430		1.430
10		1.430		1.430
12		1.430		1.430
14		1.430		1.430
16		1.430		1.430
18		1.430		1.430
20		1.430		1.430

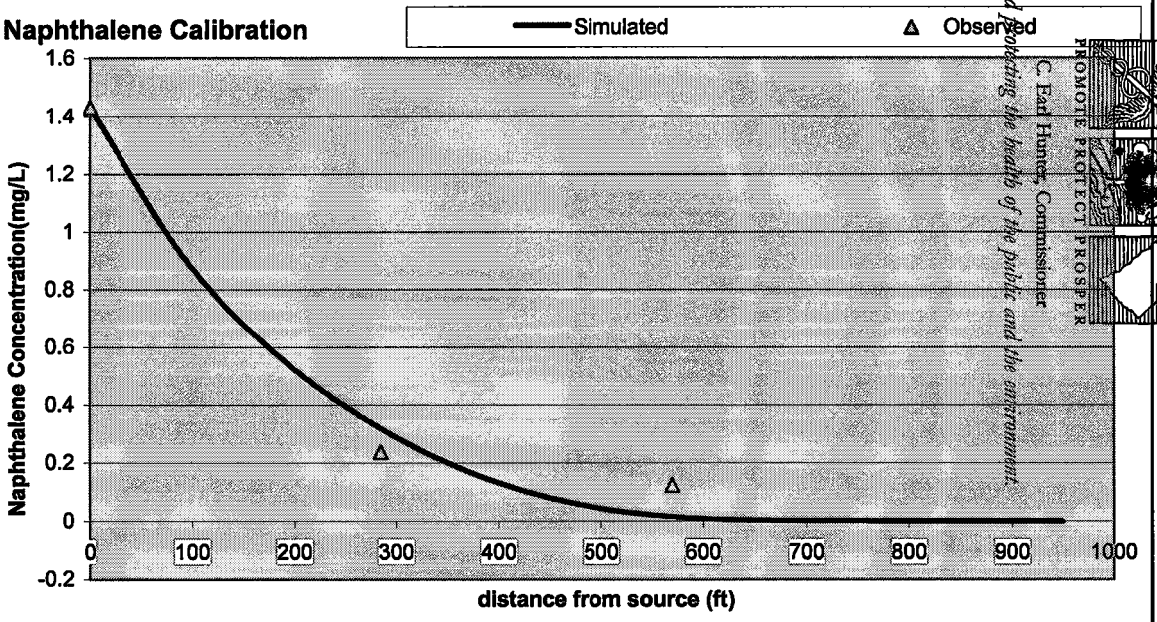
Site ID 7584 western
Site Name University Mart

Model Calibration Parameters

$t_{1/2}$	7	yrs	λ	0.099	yr^{-1}
v_x	52	ft/yr			
R	2.852				
v_R	18.235	ft/yr	C_{source}	1.43	mg/L
L_p	900	ft			
α_x	23.410453	ft	t_{sim}	20	yrs
α_y	2.3410453	ft			
α_z	1E-99	ft			







Source	95	190	285	380	475	570	665	760	855	950
350	0	5.5468E-12	6.9702E-09	1.6625E-07	6.5705E-07	8.423E-07	4.57E-07	1.19E-07	1.6E-08	1.15E-09
175	0.10578258	0.11109657	0.07867899	0.04337276	0.01759518	0.0048923	0.000885	0.000101	7.06E-06	3.01E-07
0	0.89696944	0.55282475	0.31869664	0.15669455	0.05895456	0.0155124	0.002686	0.000295	2E-05	8.3E-07
175	0.10578258	0.11109657	0.07867899	0.04337276	0.01759518	0.0048923	0.000885	0.000101	7.06E-06	3.01E-07
350	0	5.5468E-12	6.9702E-09	1.6625E-07	6.5705E-07	8.423E-07	4.57E-07	1.19E-07	1.6E-08	1.15E-09

Promoting and protecting the health of the public and the environment.
C. Earl Hunter, Commissioner
PROMOTE PROTECT PROSPER
DHEC

EDB Calibration

Spatial Calibration Data

(centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	0.0263	0.02630
95	0.0112	0.01076
190		0.00440
285		0.00180
380		0.00074
475		0.00030
570		0.00012
665		0.00005
760		0.00002
855		0.00001
950		0.00000

Temporal Calibration Data

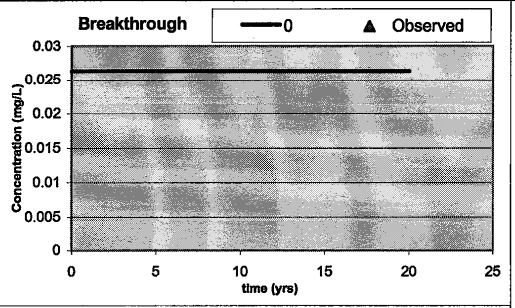
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		0.02630		0.02630
2		0.02630		0.02630
4		0.02630		0.02630
6		0.02630		0.02630
8		0.02630		0.02630
10		0.02630		0.02630
12		0.02630		0.02630
14		0.02630		0.02630
16		0.02630		0.02630
18		0.02630		0.02630
20		0.02630		0.02630

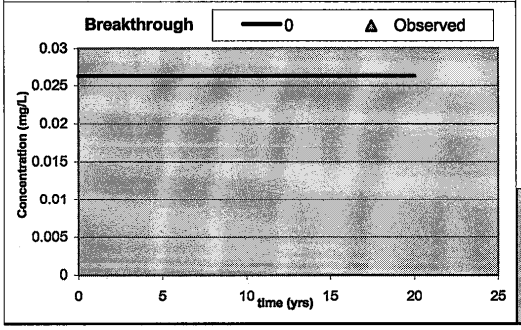
Site ID 7584 western

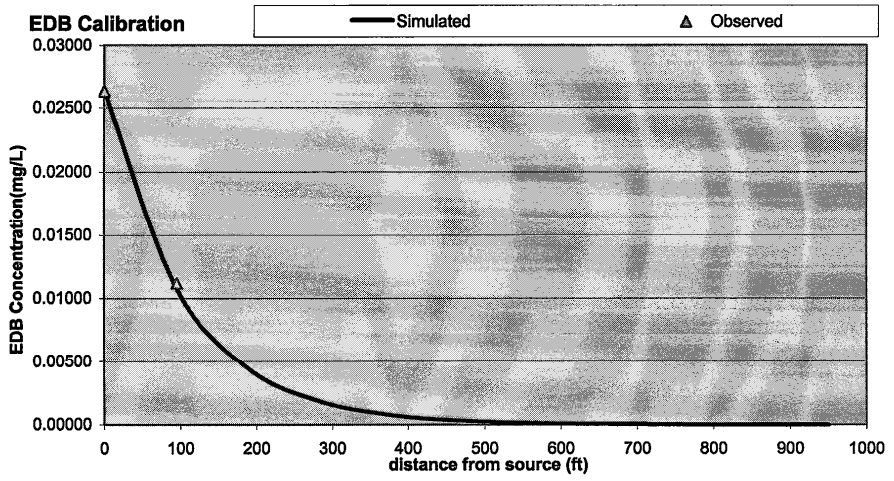
Site Name University Mart

Model Calibration Parameters

$t_{1/2}$	1.2	yrs	λ	0.5775 yr^{-1}
v_x	52	ft/yr		
R	1.034			
v_R	50.310	ft/yr	C_{source}	0.0263 mg/L
L_p	900	ft		
α_x	23.410453	ft	t_{sim}	20 yrs
α_y	2.3410453	ft		
α_z	1E-99	ft		







Source	95	190	285	380	475	570	665	760	855	950
350	0	4.4174E-14	3.9395E-11	7.8163E-10	3.3557E-09	6.674E-09	8.53E-09	8.26E-09	6.62E-09	4.64E-09
175	0.00126902	0.00088476	0.00044469	0.00020392	8.9863E-05	3.877E-05	1.65E-05	6.97E-06	2.92E-06	1.21E-06
0	0.01076053	0.00440262	0.00180124	0.00073672	0.0003011	0.0001229	5.01E-05	2.04E-05	8.27E-06	3.34E-06
175	0.00126902	0.00088476	0.00044469	0.00020392	8.9863E-05	3.877E-05	1.65E-05	6.97E-06	2.92E-06	1.21E-06
350	0	4.4174E-14	3.9395E-11	7.8163E-10	3.3557E-09	6.674E-09	8.53E-09	8.26E-09	6.62E-09	4.64E-09

SSTLs t 1000 yrs

UST Permit # 7584 western
Site Name: University Mart

SSTLs in mg/L			RBSLs (mg/L):	0.005	1.000	0.700	10.000	0.040	0.025	0.00005	
MW #	x (ft)	y (ft)	z (ft)	Benzene SSTL	Toluene SSTL	Ethylbenzene SSTL	Xylenes SSTL	MtBE SSTL	Naphthalene SSTL	EDB SSTL	
mw-65	1080	0	0	0.326	384.781	548.009	24603.350	467.433	5.001	1.33887	
mw-64	1095	0	0	0.345	418.289	601.638	27444.085	532.810	5.387	1.54381	
mw-41	1020	0	0	0.257	275.568	377.281	15894.371	276.934	3.714	0.75751	
mw-42	855	0	0	0.135	110.202	135.362	4787.388	65.743	1.641	0.15843	
mw-39	750	0	0	0.090	61.593	70.608	2234.108	26.368	0.978	0.05862	
mw-40	810	0	0	0.113	85.870	102.399	3452.824	44.436	1.314	0.10345	
mw-37	750	0	0	0.090	61.593	70.608	2234.108	26.368	0.978	0.05862	
mw-31	802	0	0	0.110	82.146	97.444	3258.023	41.448	1.263	0.09590	
mw-36	735	0	0	0.085	56.688	64.346	2003.860	23.144	0.908	0.05087	
mw-32	690	0	0	0.071	44.201	48.709	1446.222	15.653	0.728	0.03323	
mw-35	630	0	0	0.056	31.735	33.619	936.658	9.297	0.542	0.01885	
mw-33	615	0	0	0.053	29.215	30.645	840.335	8.163	0.503	0.01636	
mw-18	540	0	0	0.040	19.326	19.296	488.677	4.260	0.348	0.00806	
mw-34	510	0	0	0.035	16.385	16.040	393.502	3.285	0.301	0.00607	
			λ (yr^{-1}):	0.198	0.277	0.301	0.248	0.533	0.099	0.578	
			R:	1.097	1.160	1.211	1.767	1.013	2.852	1.034	
			Pure Substance Solubility:	1750	526	169	175	5110	31	4321	
			Effective Solubility:	44.39	26.54	3.7	21.68	173	6.7	1.9	

Domenico Model

UST # 7584 eastern
Site Name: University Mart
Modeler: Block
Date: 6/15/2005

Groundwater Flow Parameters

K	70	ft/yr
dh/dx	0.1	
θ	0.25	dec. %
v_x	52	ft/yr

Transport Parameters

x_{max}	700	ft
y_{max}	300	ft
z	0	ft
Source Width	240	ft
Source Thickness	15	ft
Plume Length	660	ft
α_x	20.4096	ft
α_y	2.04096	ft
α_z	1.00E-99	ft

Simulation Time

t_{sim} 20 yrs

Aquifer Characteristics

ρ_d	1.5	kg/L
f_{oc}	0.002	

Source Area CoC Data

CoC	C_{source} (mg/L)	K_{oc} (L/kg)
Benzene	12.8	81
Toluene	23.4	133
Ethylbenzene	4.44	176
Xylenes	12.4	639
Naphthalene	1.43	1543
MtBE	18	11
EDB		28
1,2-DCA		17.5

Retarded Velocity (ft/yr)

CoC	R	v_R
Benzene	1.972	26.37
Toluene	2.596	20.03
Ethylbenzene	3.112	16.71
Xylenes	8.668	6.00
Naphthalene	19.516	2.66
MtBE	1.132	45.94
EDB	1.336	38.92
1,2-DCA	1.210	42.98

Simulation Points for Breakthrough Curves

x		ft	x		ft
y	0	ft	y	0	ft
z	0	ft	z	0	ft

$$C(x,y,z,t) = \left(\frac{C_0}{8}\right)\exp\left[\left(\frac{x}{2\alpha_x}\right)\left(1-\sqrt{1+\frac{4\lambda\alpha_x}{v}}\right)\right] erfc\left[\frac{x-vt\sqrt{1+\frac{4\lambda\alpha_x}{v}}}{2\sqrt{\alpha_x vt}}\right]\left\{erf\left[\frac{y+\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]-erf\left[\frac{y-\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]\right\}\left\{erf\left[\frac{z+Z}{2\sqrt{\alpha_z x}}\right]-erf\left[\frac{z-Z}{2\sqrt{\alpha_z x}}\right]\right\}$$

07584 eastern plume

Benzene Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	12.8	12.8
70	9.7	9.154
140		6.545
210	4.72	4.673
280		3.320
350	0.565	2.325
420		1.578
490		1.011
560		0.593
630		0.309
700		0.139

Temporal Calibration Data

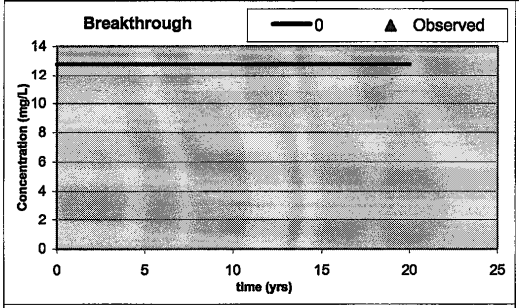
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		12.8		12.8
2		12.800		12.800
4		12.800		12.800
6		12.800		12.800
8		12.800		12.800
10		12.800		12.800
12		12.800		12.800
14		12.800		12.800
16		12.800		12.800
18		12.800		12.800
20		12.800		12.800

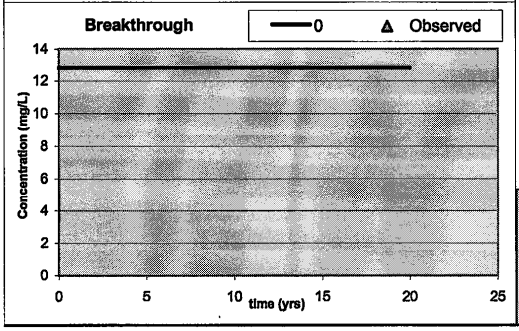
Site ID 7584 eastern

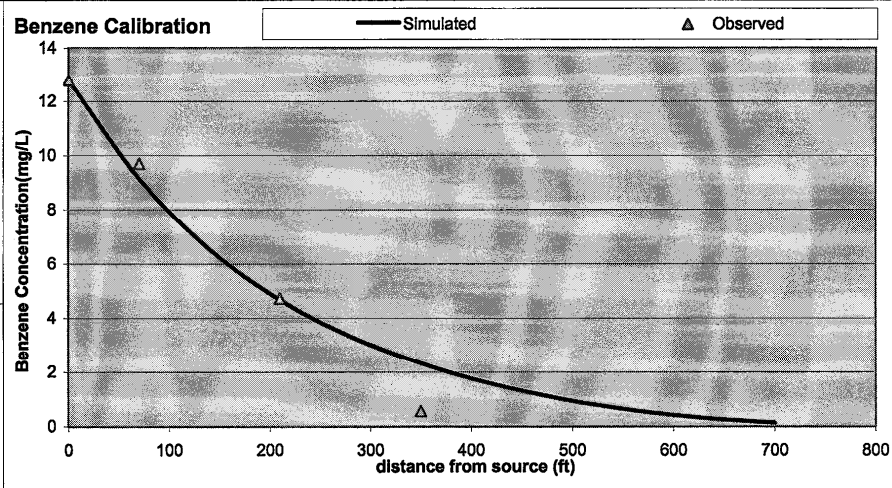
Site Name University Mart

Model Calibration Parameters

$t_{1/2}$	5	yrs	λ	0.1386 yr^{-1}
v_x	52	ft/yr		
R	1.972			
v_R	26.369	ft/yr	C_{source}	12.8 mg/L
L_p	660	ft		
α_x	20.4096	ft	t_{sim}	20 yrs
α_y	2.04096	ft		
α_z	1E-99	ft		







Source	70	140	210	280	350	420	490	560	630	700
300	0	1.664E-13	1.834E-09	1.6829E-07	2.2296E-06	1.091E-05	2.9E-05	5E-05	6.06E-05	5.41E-05
150	0.34756949	0.6855701	0.71388445	0.62247109	0.49755731	0.3711235	0.2557	0.159067	0.087049	0.04093
0	9.1541177	6.54486414	4.67298076	3.31968036	2.32496151	1.5775765	1.010592	0.592613	0.308542	0.138925
150	0.34756949	0.6855701	0.71388445	0.62247109	0.49755731	0.3711235	0.2557	0.159067	0.087049	0.04093
300	0	1.664E-13	1.834E-09	1.6829E-07	2.2296E-06	1.091E-05	2.9E-05	5E-05	6.06E-05	5.41E-05

Toluene Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	23.4	23.4
70	17	16.660
140		11.830
210		8.314
280		5.670
350		3.624
420		2.073
490		1.013
560		0.407
630		0.131
700		0.033

Temporal Calibration Data

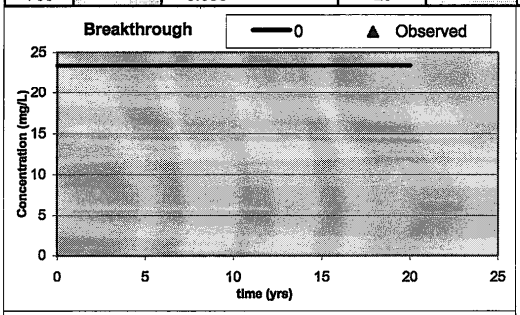
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		23.4		23.4
2		23.400		23.400
4		23.400		23.400
6		23.400		23.400
8		23.400		23.400
10		23.400		23.400
12		23.400		23.400
14		23.400		23.400
16		23.400		23.400
18		23.400		23.400
20		23.400		23.400

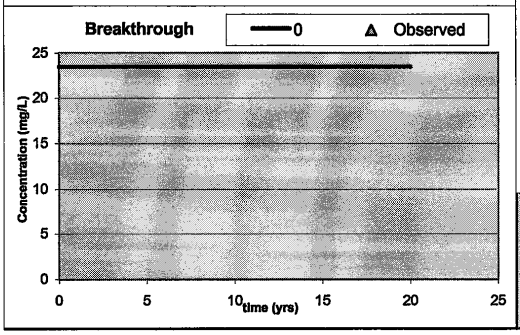
Site ID 7584 eastern

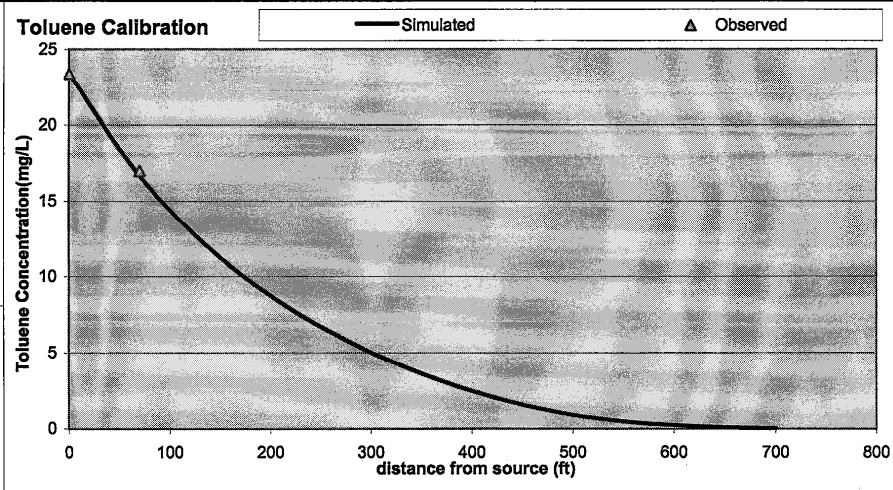
Site Name University Mart

Model Calibration Parameters

$t_{1/2}$	6.5	yrs	λ	0.10662	yr^{-1}
v_x	52	ft/yr			
R	2.596				
v_R	20.031	ft/yr	C_{source}	23.4	mg/L
L_p	660	ft			
α_x	20.4096	ft	t_{sim}	20	yrs
α_y	2.04096	ft			
α_z	1E-99	ft			







Source	70	140	210	280	350	420	490	560	630	700
300	0	3.0078E-13	3.2629E-09	2.8745E-07	3.4751E-06	1.434E-05	2.91E-05	3.43E-05	2.56E-05	1.27E-05
150	0.63255053	1.23922222	1.27010398	1.06321018	0.77550985	0.487681	0.256414	0.109279	0.036827	0.009639
0	16.6598111	11.8303599	8.31391048	5.67017166	3.62376458	2.0730407	1.013414	0.407124	0.130529	0.032717
150	0.63255053	1.23922222	1.27010398	1.06321018	0.77550985	0.487681	0.256414	0.109279	0.036827	0.009639
300	0	3.0078E-13	3.2629E-09	2.8745E-07	3.4751E-06	1.434E-05	2.91E-05	3.43E-05	2.56E-05	1.27E-05

Ethylbenzene Calibration

Spatial Calibration Data

(centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	4.44	4.44
70		2.262
140		1.150
210	0.617	0.579
280		0.283
350		0.128
420		0.051
490		0.016
560		0.004
630		0.001
700		0.000

Temporal Calibration Data

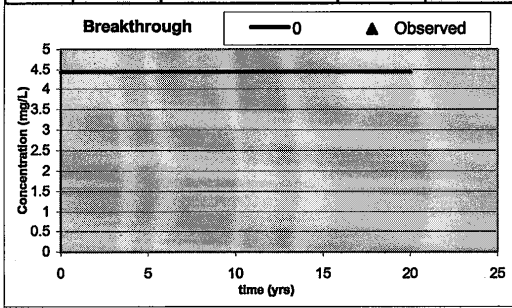
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		4.44		4.44
2		4.440		4.440
4		4.440		4.440
6		4.440		4.440
8		4.440		4.440
10		4.440		4.440
12		4.440		4.440
14		4.440		4.440
16		4.440		4.440
18		4.440		4.440
20		4.440		4.440

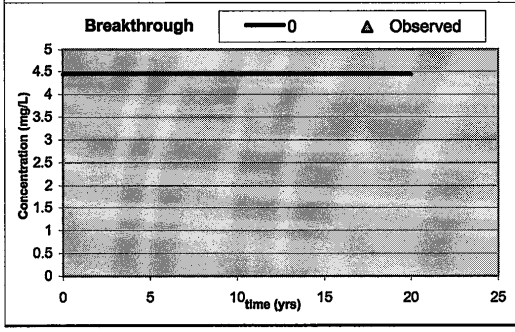
Site ID 7584 eastern

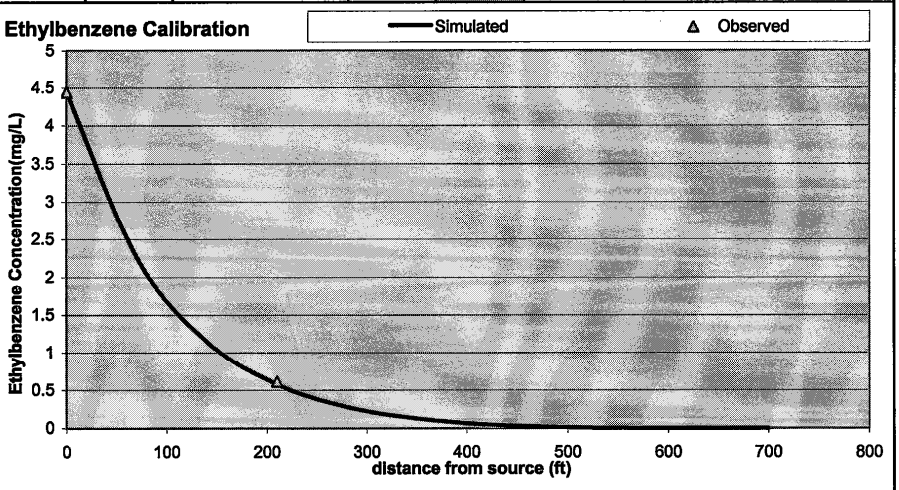
Site Name University Mart

Model Calibration Parameters

$t_{1/2}$	3.6	yrs	λ	0.1925	yr^{-1}
v_x	52	ft/yr			
R	3.112				
v_R	16.710	ft/yr	C_{source}	4.44	mg/L
L_p	660	ft			
α_x	20.4096	ft	t_{sim}	20	yrs
α_y	2.04096	ft			
α_z	1E-99	ft			







Source	70	140	210	280	350	420	490	560	630	700
300	0	2.9245E-14	2.2739E-10	1.4331E-08	1.2264E-07	3.496E-07	4.72E-07	3.53E-07	1.58E-07	4.45E-08
150	0.08589097	0.12049366	0.08851266	0.05300833	0.02736772	0.0118869	0.004155	0.001122	0.000227	3.37E-05
0	2.26215501	1.15030484	0.57939059	0.28269701	0.12788256	0.0505292	0.016422	0.004181	0.000805	0.000114
150	0.08589097	0.12049366	0.08851266	0.05300833	0.02736772	0.0118869	0.004155	0.001122	0.000227	3.37E-05
300	0	2.9245E-14	2.2739E-10	1.4331E-08	1.2264E-07	3.496E-07	4.72E-07	3.53E-07	1.58E-07	4.45E-08

Xylenes Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	12.4	12.4
70	7.15	6.815
140		2.762
210		0.623
280		0.065
350		0.003
420		0.000
490		0.000
560		0.000
630		0.000
700		0.000

Temporal Calibration Data

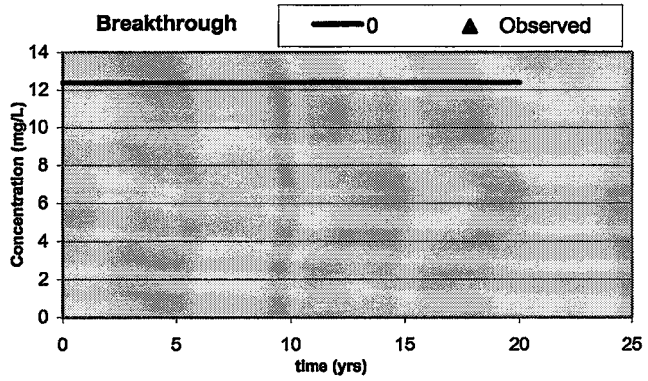
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		12.4		12.4
2		12.400		12.400
4		12.400		12.400
6		12.400		12.400
8		12.400		12.400
10		12.400		12.400
12		12.400		12.400
14		12.400		12.400
16		12.400		12.400
18		12.400		12.400
20		12.400		12.400

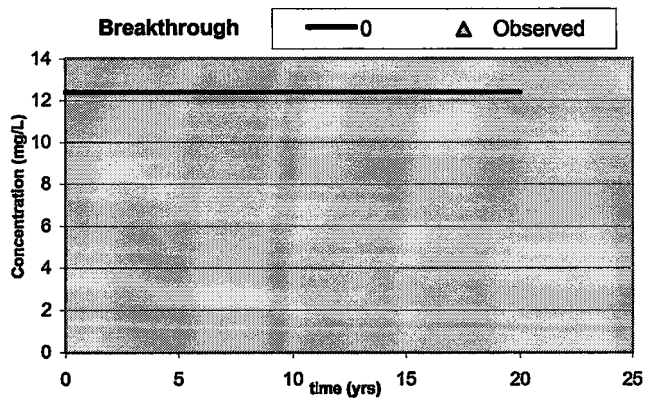
Site ID 7584 eastern

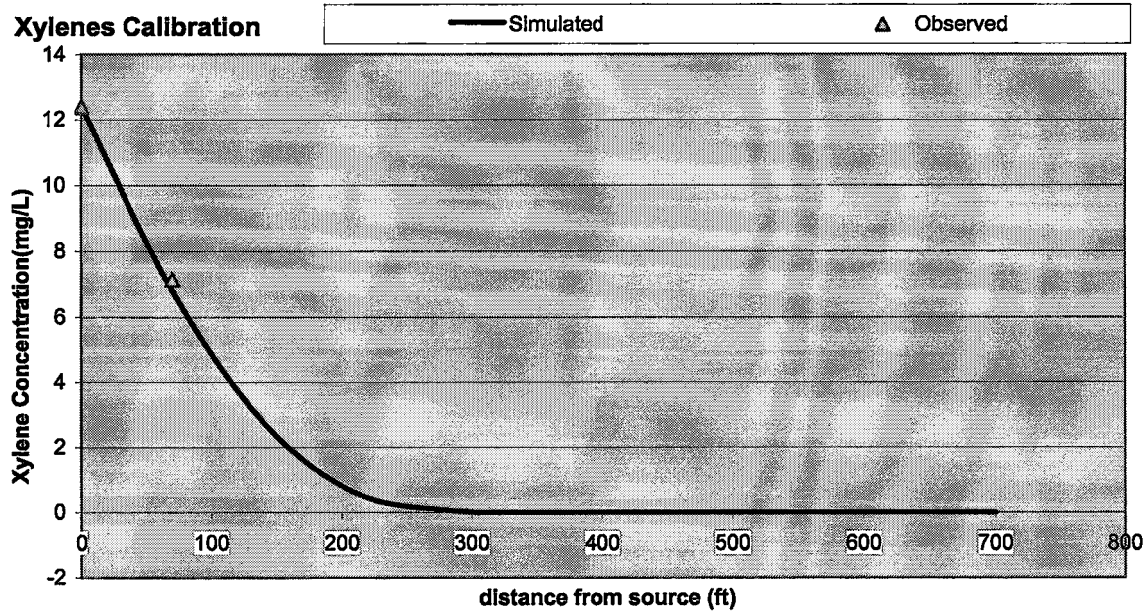
Site Name University Mart

Model Calibration Parameters

$t_{1/2}$	15	yrs	λ	0.0462	yr^{-1}
v_x	52	ft/yr			
R	8.668				
v_R	5.999	ft/yr	C_{source}	12.4	mg/L
L_p	660	ft			
α_x	20.4096	ft	t_{sim}	20	yrs
α_y	2.04096	ft			
α_z	1E-99	ft			







Source	70	140	210	280	350	420	490	560	630	700
300	0	7.0216E-14	2.4463E-10	3.2991E-09	2.7263E-09	3.414E-10	9.51E-12	7.13E-14	1.6E-16	1.14E-19
150	0.25874215	0.28929368	0.09522359	0.01220269	0.0006084	1.161E-05	8.38E-08	2.27E-10	2.29E-13	8.67E-17
0	6.81462616	2.76177126	0.62331934	0.06507777	0.00284292	4.935E-05	3.31E-07	8.45E-10	8.12E-13	2.94E-16
150	0.25874215	0.28929368	0.09522359	0.01220269	0.0006084	1.161E-05	8.38E-08	2.27E-10	2.29E-13	8.67E-17
300	0	7.0216E-14	2.4463E-10	3.2991E-09	2.7263E-09	3.414E-10	9.51E-12	7.13E-14	1.6E-16	1.14E-19

MtBE Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	18	18
70	3.1	7.717
140		3.309
210		1.419
280		0.608
350		0.260
420		0.111
490		0.048
560		0.020
630		0.009
700		0.004

Temporal Calibration Data

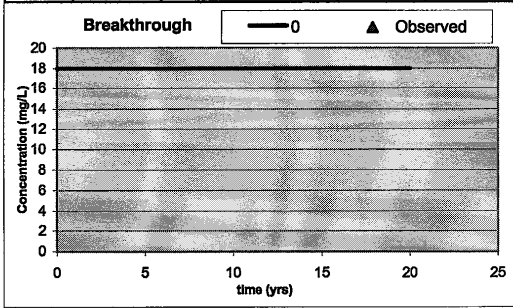
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		18		18
2		18.000		18.000
4		18.000		18.000
6		18.000		18.000
8		18.000		18.000
10		18.000		18.000
12		18.000		18.000
14		18.000		18.000
16		18.000		18.000
18		18.000		18.000
20		18.000		18.000

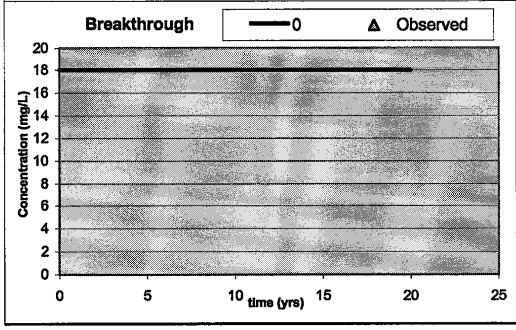
Site ID 7584 eastern

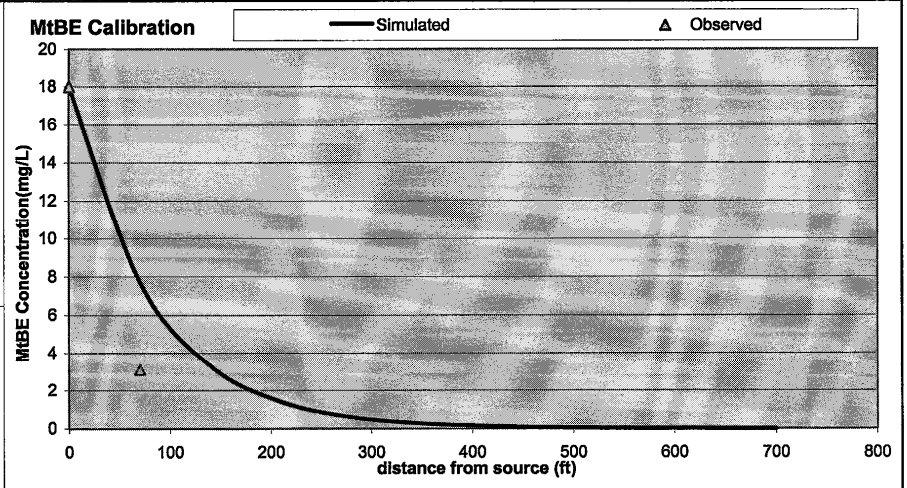
Site Name University Mart

Model Calibration Parameters

$t_{1/2}$	1	yrs	λ	0.693	yr^{-1}
v_x	52	ft/yr			
R	1.132				
v_R	45.936	ft/yr	C_{source}	18	mg/L
L_p	660	ft			
α_x	20.4096	ft	t_{sim}	20	yrs
α_y	2.04096	ft			
α_z	1E-99	ft			







Source	70	140	210	280	350	420	490	560	630	700
300	0	8.4122E-14	5.5672E-10	3.0821E-08	2.4969E-07	7.708E-07	1.37E-06	1.71E-06	1.7E-06	1.43E-06
150	0.293017	0.34658825	0.21670746	0.11400094	0.05572164	0.0262022	0.01204	0.00545	0.002441	0.001085
0	7.71734054	3.30873968	1.4185346	0.60797469	0.26037338	0.1113807	0.047584	0.020303	0.008652	0.003683
150	0.293017	0.34658825	0.21670746	0.11400094	0.05572164	0.0262022	0.01204	0.00545	0.002441	0.001085
300	0	8.4122E-14	5.5672E-10	3.0821E-08	2.4969E-07	7.708E-07	1.37E-06	1.71E-06	1.7E-06	1.43E-06

Naphthalene Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	1.43	1.43
70	0.932	0.486
140		0.041
210	0.62	0.001
280		0.000
350		0.000
420		0.000
490		0.000
560		0.000
630		0.000
700		0.000

Temporal Calibration Data

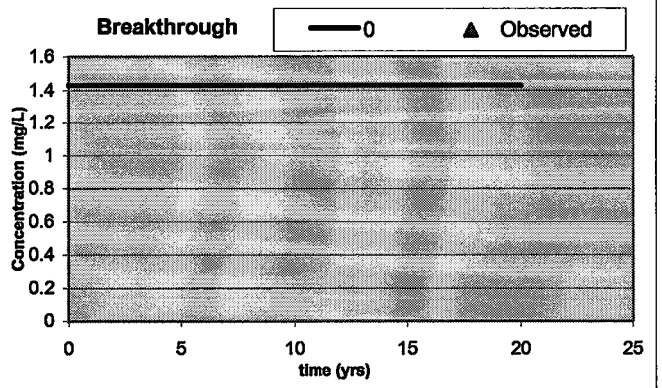
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		1.43		1.43
2		1.430		1.430
4		1.430		1.430
6		1.430		1.430
8		1.430		1.430
10		1.430		1.430
12		1.430		1.430
14		1.430		1.430
16		1.430		1.430
18		1.430		1.430
20		1.430		1.430

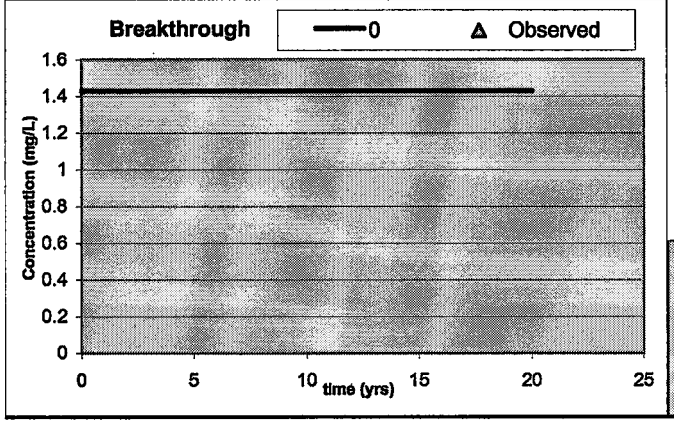
Site ID 7584 eastern

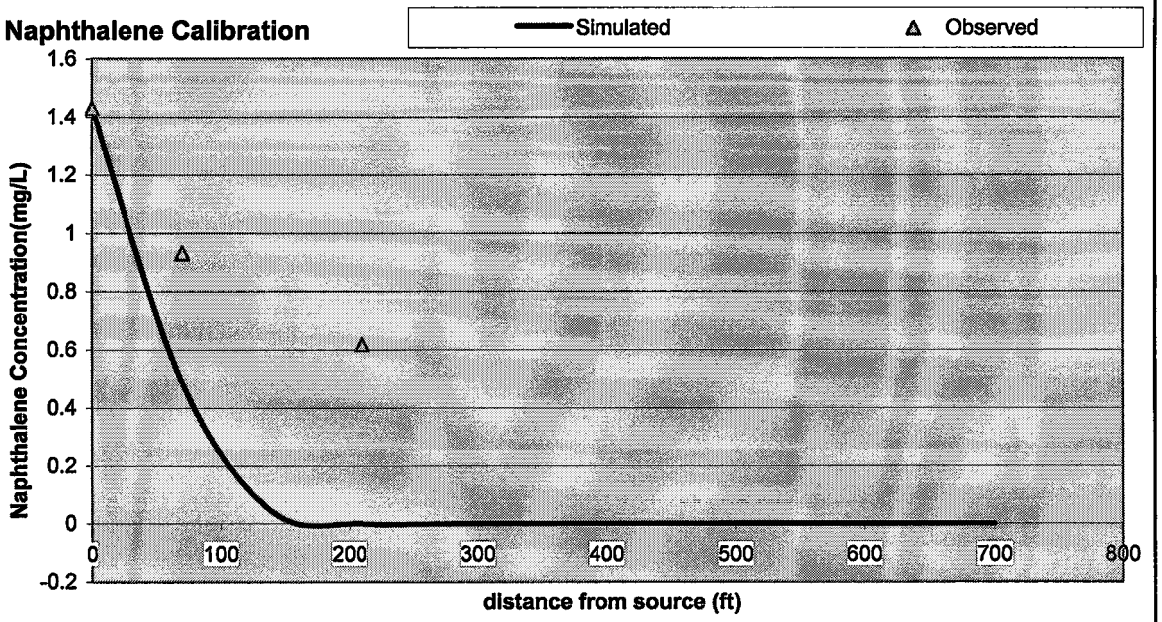
Site Name University Mart

Model Calibration Parameters

$t_{1/2}$	100	yrs	λ	0.00693	yr^{-1}
v_x	52	ft/yr			
R	19.516				
v_R	2.664	ft/yr	C_{source}	1.43	mg/L
L_p	660	ft			
α_x	20.4096	ft	t_{sim}	20	yrs
α_y	2.04096	ft			
α_z	1E-99	ft			





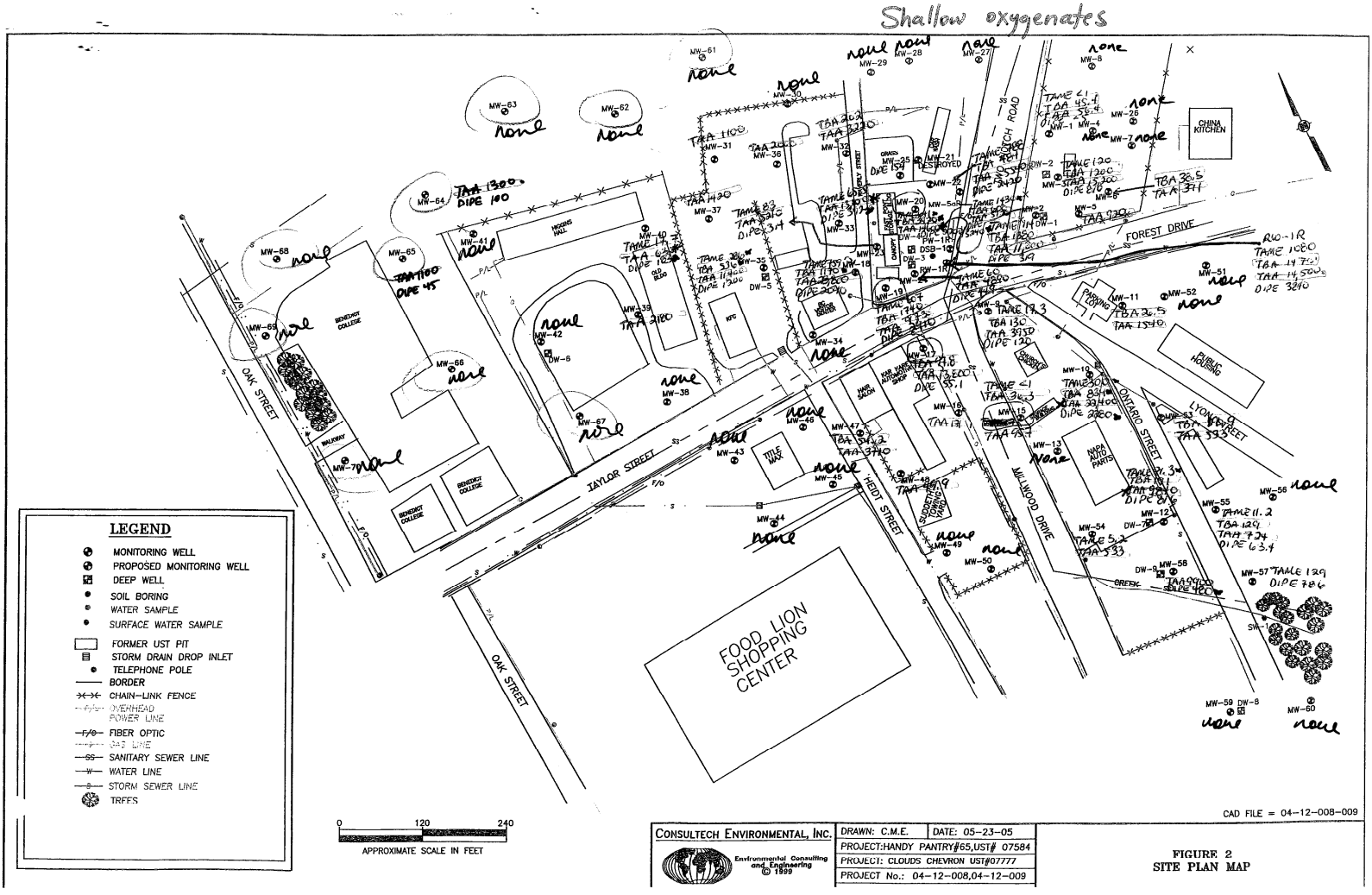


Source	70	140	210	280	350	420	490	560	630	700
300	0	1.0439E-15	1.9625E-13	3.7689E-14	1.2096E-16	1.644E-20	0	0	0	0
150	0.01844825	0.00430079	7.639E-05	1.394E-07	2.6993E-11	5.59E-16	0	0	0	0
0	0.48588125	0.04105797	0.00050004	7.4343E-07	1.2613E-10	2.376E-15	0	0	0	0
150	0.01844825	0.00430079	7.639E-05	1.394E-07	2.6993E-11	5.59E-16	0	0	0	0
300	0	1.0439E-15	1.9625E-13	3.7689E-14	1.2096E-16	1.644E-20	0	0	0	0

SSTLs t 1000 yrs

UST Permit # 7584 eastern
Site Name: University Mart

SSTLs in mg/L			RBSLs (mg/L):	0.005	1.000	0.700	10.000	0.040	0.025		
MW #	x (ft)	y (ft)	z (ft)	Benzene SSTL	Toluene SSTL	Ethylbenzene SSTL	Xylenes SSTL	MtBE SSTL	Naphthalene SSTL		
mw-25	630	0	0	0.104	21.535	307.137	723.222	83.210	0.121		
mw-20	585	0	0	0.083	17.249	198.354	531.259	48.085	0.108		
mw-22	600	0	0	0.090	18.572	229.466	588.764	57.727	0.112		
mw-5ar	585	0	0	0.083	17.249	198.354	531.259	48.085	0.108		
rw-1r	495	0	0	0.054	11.081	82.845	287.066	16.080	0.086		
mw-19	495	0	0	0.054	11.081	82.845	287.066	16.080	0.086		
mw-17	390	0	0	0.032	6.631	29.994	140.362	4.492	0.066		
mw-15	240	0	0	0.016	3.198	7.059	50.740	0.730	0.045		
mw-54	60	0	0	0.007	1.337	1.247	15.008	0.083	0.029		
mw-9	405	0	0	0.035	7.134	34.673	155.439	5.388	0.068		
mw-23	555	0	0	0.072	14.880	148.236	432.617	33.368	0.100		
mw-24	495	0	0	0.054	11.081	82.845	287.066	16.080	0.086		
			λ (yr^{-1}):	0.139	0.107	0.193	0.046	0.693	0.007		
			R:	1.972	2.596	3.112	8.668	1.132	19.516		
			Pure Substance Solubility:	1750	526	169	175	5110	31		
			Effective Solubility:	44.39	26.54	3.7	21.68	173	6.7		



CONSULTECH ENVIRONMENTAL, INC.
Environmental Consulting and Engineering © 1999

DRAWN: C.M.E.	DATE: 05-23-05
PROJECT:HANDY PANTRY#65,UST# 07584	
PROJECT: CLOUDS CHEVRON UST#07777	
PROJECT No.: 04-12-008,04-12-009	

FIGURE 2
SITE PLAN MAP

RECEIVED
JUN 30 2000
Bureau of Underground
Storage Tank Management

TIER I ASSESSMENT REPORT

FASTPOINT #24
2367 TAYLOR STREET
COLUMBIA, SOUTH CAROLINA 29204

SITE ID # 07584

PREPARED FOR:

ACME PETROLEUM, INC.
P.O. BOX 2359
GASTONIA, NORTH CAROLINA 28053

PREPARED BY:

KIMBRELL & ASSOCIATES, INC.
14405 RAYNHAM DRIVE
CHARLOTTE, NORTH CAROLINA 28262

UST PROGRAM
DOCKETING # 220

JUNE 29, 2000

Tier I Assessment

REPORT OF FINDINGS
DIVISION OF UNDERGROUND STORAGE TANK MANAGEMENT

I. INTRODUCTION

A. Owner/ Operator Information
Fast Point Food Stores, Inc.
2811 Reidville Rd Suite 11
Spartanburg, SC 29301
Facility ID# 07584

Responsible Party
Acme Petroleum
543 Cox Road
Gastonia, NC 28053

B. Property Owner Information
Fast Point Food Stores, Inc.
2811 Reidville Rd Suite 11
Spartanburg, SC 29301

C. Contractor Information
Kimbrell & Associates, Inc. (K&A)
14405 Raynham Drive
Charlotte, NC 28262

D. Site Information
2369 Taylor St.
Columbia, SC 29204

Latitude: 34° 0' 45.5" North
Longitude 81° 0' 59.2" West

Description of Adjacent Land Use: The current land use of properties adjacent to the subject site consist primarily of commercial/ retail establishments with residential housing intermixed.

Predicted Future Land Use: It is unlikely that the use of the subject site and surrounding land will change in the future due to the established district of business activities and favorable locations for such operations.

E. Site History
Date Release Reported to SCDHEC: The release in question was reported to the South Carolina Department of Health and Environmental Control (SCDHEC) via documentation provided in a completed Underground Storage Tank Assessment report in July 1998.
Estimated quantity of product: 81,429 gallons based on a rectangular volume of 31,104 ft^3 and porosity of 0.35 given that there are 7.48 U.S. gallons per cubic foot.

Cause of release: A hole in one of the 10,000-gallon underground storage tanks (USTs) discovered during a closure on June 16, 1998 at the subject site has been deemed as the source of the release.

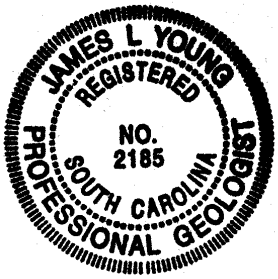
UST #	Product	Date Installed	Currently In Use	If not in use, Date Removed
1	Gasoline	Unknown	No	6-16-98
2	Gasoline	Unknown	No	6-16-98
3	Gasoline	Unknown	No	6-16-98
4	Gasoline	Unknown	Yes	-----
5	Gasoline	Unknown	Yes	-----
6	Gasoline	Unknown	Yes	-----

Other releases at this site? Yes
If yes, Date Release Reported to SCDHEC: Unknown
Status of Release: Unknown
No Further Action Date: Unknown

Professional Certification

I hereby certify that this Tier I Assessment (Fast Point Food Store, Columbia, SC, Facility ID# 07584), its data collection, findings and conclusions, was performed pursuant to all rules and regulations established by the state of South Carolina.

James L. Young, PG, REM
South Carolina Licensed Geologist #2185



Fast Point #24
2367 Taylor Street
Columbia, SC
ID# 07584

II. SITE CHARACTERISTICS

A. Site Geography

Describe the topography of the site and surrounding area.
The subject site surrounding the area consists primarily of asphalt and concrete parking and roadways. A gentle slope occurs across the landscape dipping to the south. The vegetation was general present for ornamental purposes. No surface water bodies are present in the immediately surrounding area of the site.

Mean Elevation of Site: 296 feet above sea level

B Exposure Analysis

Describe all potential receptors and preferential pathways within a 1,000-foot radius of the site.

Description of Receptor	Distance/ Direction from Site
10" Water Main	18' from property line along Two Notch Road and Taylor Street
2" Water Service Line	30' from property line along Elmore Lane
15" Sanitary Sewer Line	24' from property line along Two Notch Road and Taylor Street

- No water supply wells were located within 1,000 feet of the source area of discharge.
- The area is serviced by the City of Columbia for water and sewer.

C. Utilities Survey

List the utilities on site, and adjacent to the site within a 250-foot radius, that could serve as exposure points or as preferential pathways.

Utility	Direction from site	Depth to Utility (ft)
Sewer line	Sewer line parallels eastern and western boundaries of site running north/south; parallels northern and southern boundaries running east/west	Estimated 3'-7'
Water line	Water line parallels eastern and western boundaries running north/south; parallels northern and southern boundaries running east/west	Estimated 3'-7'

III. Tier I Evaluation

A. Current Land Use

Identify any potential receptors or human exposure pathways (e.g. basements, contaminated soils from UST closures, etc.) within a 1,000-foot radius for current land use. Complete the table below.

Media	Exposed Route, Medium, & Exposure Point	Pathway Selected for Evaluation	Reason for Selection or Non-Selection
Air	Inhalation	No	Soil is capped by asphalt
	Explosion hazard	Yes	General nature of volatile organics
Groundwater	Ingestion	No	Area serviced by City of Columbia for water
	Dermal contact	No	Area serviced by City of Columbia for water
	Volatile inhalation	No	Area is capped by asphalt
Surface Water	Ingestion	No	None within 1,000'
	Dermal contact	No	None within 1,000'
	Volatile inhalation	No	None within 1,000'
Surficial Soil	Ingestion	No	Area is capped by asphalt
	Dermal contact	No	Area is capped by asphalt
	Volatile inhalation	No	Area is capped by asphalt
Subsurface Soil	Ingestion	No	Area capped by asphalt
	Dermal contact	No	Area is capped by asphalt
	Volatile inhalation	No	Area is capped by asphalt
	Leaching to groundwater	Yes	Groundwater analytical results

Summarize the monitoring well and groundwater data in the table below.

MW #	TOC Elevation (feet above sea level)	Screened Interval (feet below surface grade)	Depth to Water (feet below surface grade)	Water Table Elevation (feet above sea level)
MW-1a	288.34	18-28	18.34	270.00
MW-2a	288.78	15-25	18.55	270.23
MW-3a	297.11	20-30	Free Product	-----
MW-4a	294.72	15-25	22.08	272.64
MW-5a	295.07	18-28	Well covered with concrete	-----
MW-6a	290.45	15-25	19.98	270.47
MW-2	295.42	Unknown	25.37	270.05
MW-3	296.23	Unknown	Free Product	-----
MW-4	296.95	Unknown	Free Product	-----
MW-5	296.37	Unknown	Free Product	-----
MW-6	296.23	Unknown	Free Product	-----
MW-8	294.50	Unknown	Free Product	-----

Enter field data measurements taken during well purging on the table form provided.
(Note: measurements listed are final purge measurements.)

Monitoring Well #	MW-1a	MW-2a	MW-4a	MW-6a
Dissolved Oxygen (%)	5.0%	19.0%	14.5%	11.2%
Temperature (°C)	27.7	26.7	28.1	26.1
pH	4.32	4.10	4.07	4.43
Conductivity	170	180	178	158

Enter the groundwater analytical data for each monitoring well for all CoC in the table below. If free product is present, indicate the measured thickness to the nearest 0.01 feet. Detection Limit < 5ug/L & < 10 ug/L for Naphth. For all constituents except Naphth.

CoC	RBSL (ug/L)	MW-1a	MW-2a	MW-3a	MW-4a	MW-5a	MW-6a
FP Thickness (ft.)	None	None	None	1.0	None	NA	None
Benzene	5.	9,500.	BDL	----	1,400.	NA	66.
Toluene	1,000.	15,000.	BDL	----	1,100.	NA	420.
Ethylbenzene	700.	790.	BDL	----	52.	NA	39.
Xylenes	10,000.	2,900.	BDL	----	3,600.	NA	3,500.
Total BTEX	NA	28,190.	BDL	----	6,152.	NA	4,025.
MTBE	40.	630.	BDL	----	BDL	NA	BDL
Naphthalene	25.	56.	BDL	----	150.	NA	26.
Benzo(a)anthracene	10.	ND	BDL	----	BDL	NA	BDL
Benzo(b)flouranthene	10.	ND	BDL	----	BDL	NA	BDL
Benzo(k)flouranthene	10.	ND	BDL	----	BDL	NA	BDL
Chrysene	10.	ND	BDL	----	BDL	NA	BDL
Dibenz(a,h)anthracene	10.	ND	BDL	----	BDL	NA	BDL
Ferrous Iron	NA	210.	BDL	----	26,000.	NA	BDL

Fastpoint #24
2367 Taylor Street
Columbia, SC
ID # 07584

B. Site Geology

Provide a brief description of the regional geology and hydrogeology:

The subject property is located in the Coastal Plain Physiographic Province. The coastal plain is underlain by Cretaceous Coastal Plain sediments. Groundwater at the site was encountered from approximately 18 to 25 feet below land surface (BLS)

Provide a brief description of the site specific geology and stratigraphy:

The subject site is underlain by soil and sediment associated with coastal plain deposits. The soil generally consists of silty, clayey sand. Descriptions of site soils encountered during drilling were recorded in the soil boring logs included in the Appendix. Competent rock auger refusal was not encountered within the explored depth of approximately 28 feet BLS.

E. Soil Boring Data

Drilling Dates: The soil borings were installed from March 30, 1999 to April 5, 1999. The following table provides a brief explanation for the location of each boring:

Provide a brief justification for the location of the soil borings:

Boring ID:	Justification for Location
SB-1	Estimated upgradient location
MW-1a	Lateral downgradient location
MW-2a	Lateral downgradient location
MW-3a	Estimated upgradient location
Mw-4a	Direct upgradient location
Mw-5a	Lateral source area location
MW-6a	Direct downgradient location

Standard Operation Procedure for Field Screening:

All soil samples collected from the soil borings were screened for the presence of volatile organic compounds using a calibrated photo-ionization detector (PID). To prepare the soil samples for field screening, a separate portion of each sample was placed in air-tight plastic bags and allowed to volatilize for approximately 15 minutes. All samples were allowed to volatilize for an equal period before screening. A measurement was then read with the PID. The following tables summarize soil boring activities along with PID results.

Boring ID: SB-1 Date: 04-02-99 Total Depth: 20 feet

Split Spoon Interval	PID Result (mg/kg)	Lithology	Soil Conditions
5	1.0	Red clay (kaolinite)	No odor, dry
10	1.5	Red clay	No odor, dry
15	30.0	Sandy clay, yellowish-red	Slight odor, dry
20	100.0	Sandy clay, yellowish-red	Slight odor, moist

Boring ID: MW-1a Date: 03-30-99 Total Depth: 20 feet

Split Spoon Interval	PID Result (mg/kg)	Lithology	Soil Conditions
5	<1.0	Red clay (kaolinite)	No odor, dry
10	<1.0	Brownish-red sand with white mottling	No odor, dry
15	6.0	Brownish-red sand with white mottling	Slight odor, dry
18	1.0	Brownish-red sand with white mottling	Slight odor, moist

Boring ID: MW-2a Date: 03-31-99 Total Depth: 20 feet

Split Spoon Interval	PID Result (mg/kg)	Lithology	Soil Conditions
5	<1.0	Red clay (kaolonite)	No odor, dry
10	1.0	Light tan sand with white mottling	No odor, dry
15	1.0	Light tan sand with white mottling	No odor, dry
20	1.0	Light tan sand with white mottling	No odor, moist

Boring ID: MW-3a Date: 03-31-99 Total Depth: 20 feet

Split Spoon Interval	PID Result (mg/kg)	Lithology	Soil Conditions
5	<1.0	Red clay (kaolinite)	No odor, dry
10	5.0	Brownish-red clayey sand with white mottling	No odor, dry
15	80.0	Brownish-red sand with white mottling	No odor, dry
20	190.0	Brownish-red sand with white mottling	Slight odor, moist

Boring ID: MW-4a Date: 04-02-99 Total Depth: 20 feet

Split Spoon Interval	PID Result (mg/kg)	Lithology	Soil Conditions
5	<1.0	Red clayey sand	No odor, dry
10	<1.0	Red clayey sand	No odor, dry
15	10.0	Red sand and clay	Slight odor, dry
20	80.0	Red sand and clay	Strong odor, moist

Fastpoint #24
2367 Taylor Street
Columbia, SC
ID # 07584

Boring ID: MW-5a Date: 04-05-99 Total Depth: 20 feet

Split Spoon Interval	PID Result (mg/kg)	Lithology	Soil Conditions
5	<1.0	Red clayey (gravel particles)	No odor, dry
10	<1.0	Reddish-tan sandy clay	Slight odor, dry
15	1.0	Reddish-tan sandy clay	Slight odor, dry
20	2.0	Tan sand and clay	Slight odor, moist
25	2.0	Red sand and clay	Strong odor, moist

Boring ID: MW-5a Date: 04-05-99 Total Depth: 20 feet

Split Spoon Interval	PID Result (mg/kg)	Lithology	Soil Conditions
5	<1.0	Red clayey sand	No odor, dry
10	<1.0	Red clayey sand	No odor, dry
15	<1.0		No odor, dry
20	<1.0	Light red mottled with white sand and clay	No odor, moist

Enter the soil analytical data for each soil boring for all COC in the table below and on the following page. Enter the appropriate RBSL for the soil type from Tables B-3, G-4, and B-6 in SCDHEC Risk-Based Corrective Action (RBCA) for Petroleum Releases Guidance Document.

CoC	RBSL (15-20 ft)	SB-1	SB-7	MW-1a	MW-2a	MW-3a	MW-4a	MW-5a	MW-6a
Benzene	0.179	BDL	NA	BDL	BDL	BDL	5.38	BDL	BDL
Toluene	12.5	BDL	NA	BDL	BDL	0.0057	71.4	0.0028	BDL
Ethylbenzene	1,211.	BDL	NA	BDL	BDL	BDL	28.0	0.0022	BDL
Xylenes	325.	BDL	NA	BDL	BDL	0.0081	146.0	0.0032	BDL
Total BTEX	NA	BDL	BDL	BDL	BDL	0.0138	250.78	0.0082	BDL
Naphthalene	0.74	.0023	NA	BDL	BDL	0.01	12.6	0.01	BDL
Benzo(a)anthracene	NE	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(b)flouranthene	NE	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(k)flouranthene	NE	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL
Chrysene	1,069.	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL
Dibenz(a,h)anthracene	NE	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL
TPH (EPA 3550)	NA	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL
TOC (background boring)	NA	NA	0.09	NA	NA	NA	NA	NA	NA

All data reported in parts per million (mg/kg)
Shaded areas indicate results greater than applicable RBSL.
BDL Below Detection Limits
NA Not Applicable
NE Not Established by RBSL

Fastpoint #24
2367 Taylor Street
Columbia, SC
ID # 07584

CoC	RBSL	MW-1a	MW-2a	MW-3a	MW-4a	MW-5a	MW-6a
Lead	Site Specific	130.	27,000.	----	66.	NA	45.
Nitrates	NA	8,200.	14,000.	----	8,400.	NA	4,400.
Sulfates	NA	96,000.	250,000.	----	140,000.	NA	62,000.

Additional Comments: All analytical data for groundwater results are reported in parts per billion (ug/L). Monitoring well MW-5a was not accessible because of a layer of concrete covering the well manhole which stemmed from concrete resurfacing at the subject site.

G. Aquifer Characteristics

Hydraulic Conductivity: The hydraulic conductivity at the subject site ranges from 5.06×10^{-7} cm/sec. to 1.91×10^{-6} cm/sec.

Hydraulic Gradient: The hydraulic gradient at the subject site was determined to be 2.1 ft per 300 ft. or 0.007 ft/ft.

Porosity: The effective porosity at the site has been estimated to be 35% based on the results of a sieve analysis of soil collected from boring MW-5a.

Estimated Seepage Velocity: The estimated seepage velocity at the site ranges from 0.12 ft./yr. to 0.40 ft./yr.

The slug test data and the corresponding graphs are presented in Appendix D.

B. Future Land Use

Identify any potential receptors or human exposure pathways (e.g. basements, contaminated soils from UST closures, etc.) within a 1,000-foot radius for projected future land use. Complete the table below.

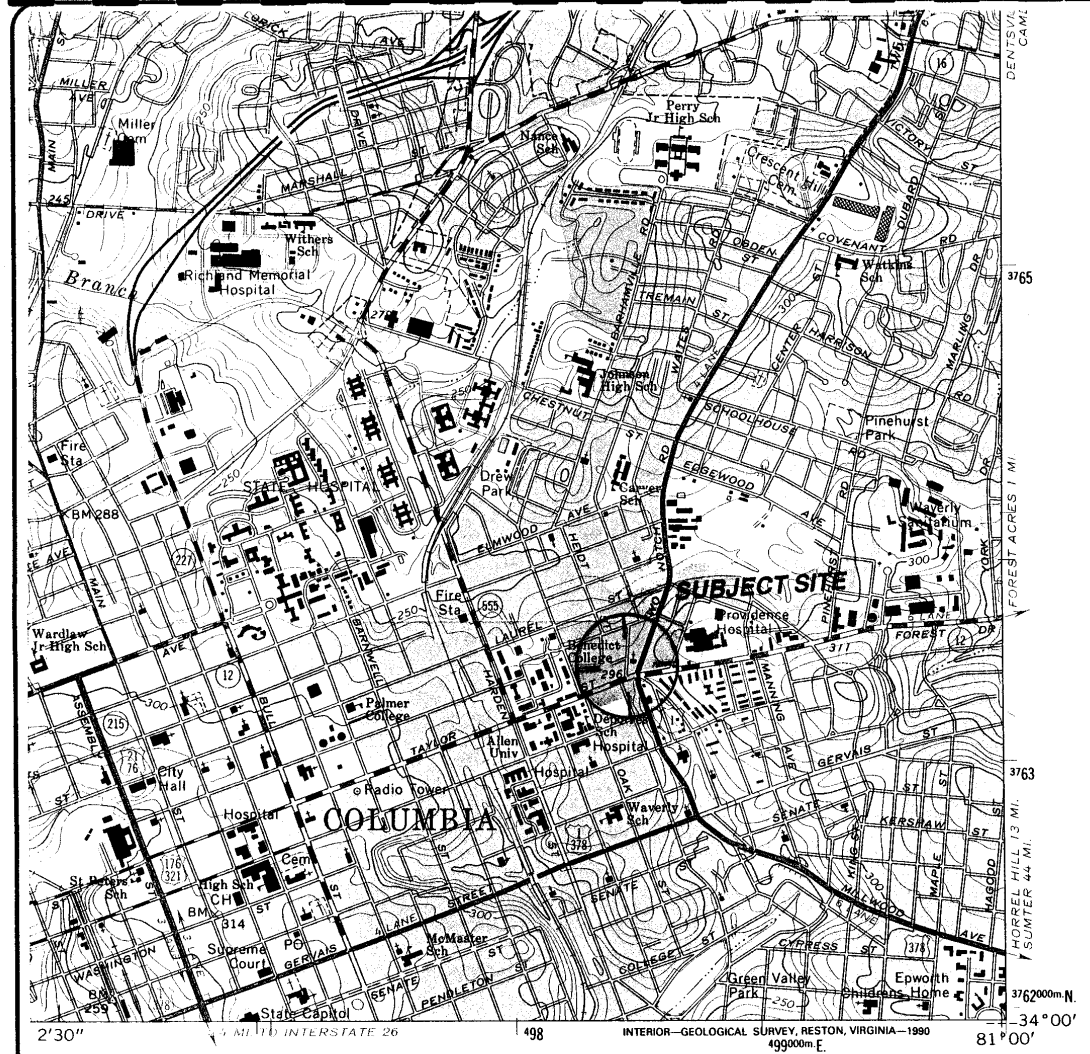
Media	Exposed Route, Medium, & Exposure Point	Pathway Selected for Evaluation	Reason for Selection or Non-Selection
Air	Inhalation	No	Soil is capped by asphalt
	Explosion hazard	Yes	General nature of volatile organics unless compounds are removed
Groundwater	Ingestion	No	Area serviced by City of Columbia for water
	Dermal contact	No	Area serviced by city of Columbia for water
	Volatile inhalation	No	Area is capped by asphalt
Surface Water	Ingestion	No	None within 1,000'
	Dermal contact	No	None within 1,000'
	Volatile inhalation	No	None within 1,000'
Surficial Soil	Ingestion	No	Area is capped by asphalt
	Dermal contact	No	Area is capped by asphalt
	Volatile inhalation	No	Area is capped by asphalt
Subsurface Soil	Ingestion	No	Area capped by asphalt
	Dermal contact	No	Area is capped by asphalt
	Volatile inhalation	No	Area is capped by asphalt
	Leaching to groundwater	Yes	Groundwater analytical results

Recommendations for further action:

Based on findings of this Tier I Assessment, active corrective action should be implemented in order to reduce the free phase and dissolved phase petroleum hydrocarbons in the soil and groundwater to below the established RBSL levels.

Figures

- Figure 1 Topographic Map
- Figure 2 Site Map
- Figure 3 Soil Boring Locations and Analytical Data Map
- Figure 4 Monitoring Well Locations and Analytical Data Map
- Figure 5 Potentiometric Data Map
- Figure 6 Estimated Extents and Isoconcentrations of Free Product Plume



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W E

S

NOTES

LEGEND

0 2,000 4,000

1INCH = 2,000 FEET
CONTOUR INTERVAL: 10 FEET

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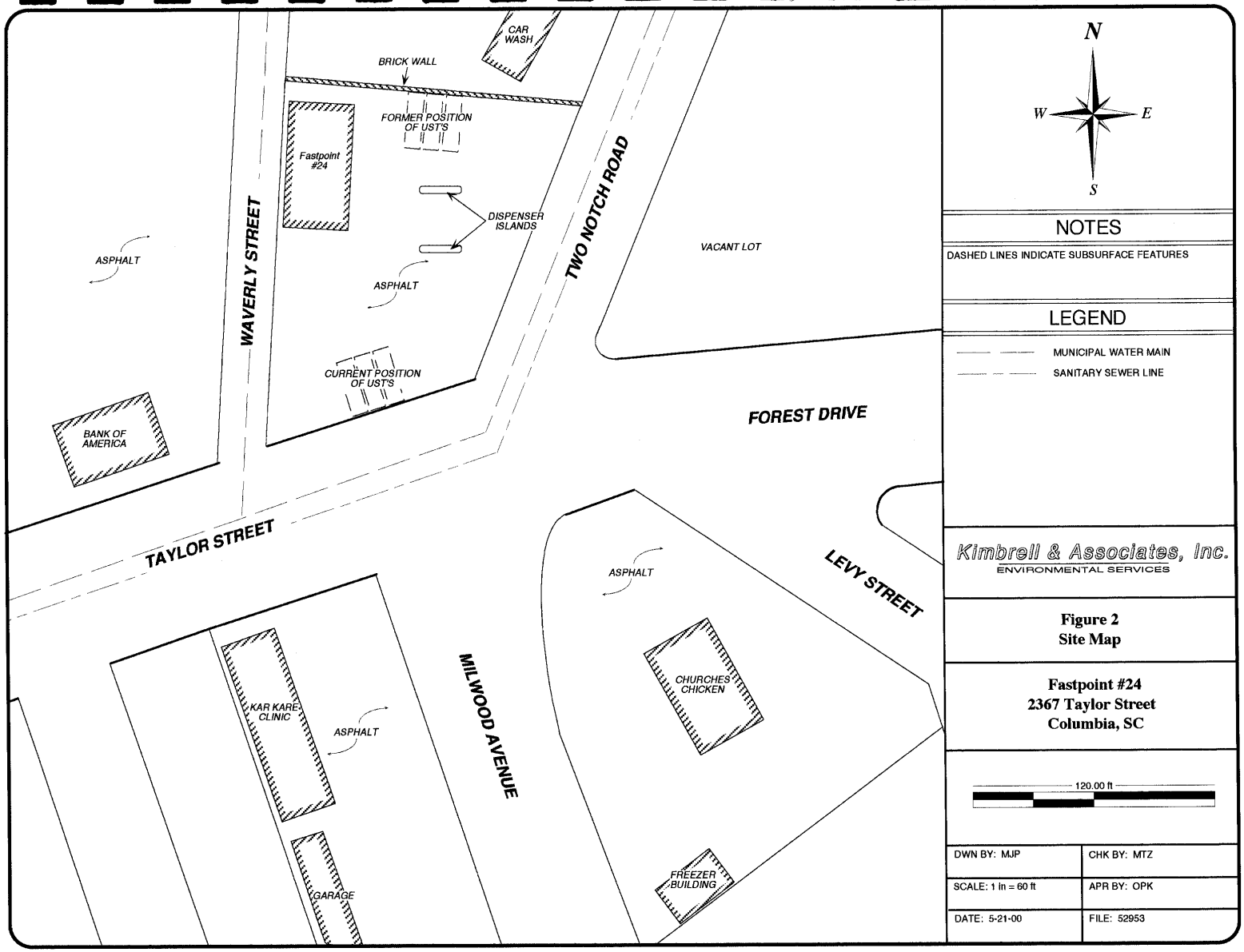
ENVIRONMENTAL SERVICES

Figure 1
Topographic Map

Fastpoint #24
2367 Taylor Street
Columbia, SC

USGS 7.5 Minute Topographic
Quadrangle Maps
Columbia North, SC - 1972
Photorevised in 1990

DWN BY: MJP	CHK BY: MTZ
SCALE: 1:24000	APR BY: OPK
DATE: 05-21-00	FILE: 52953


CAR WASH
BRICK WALL
FORMER POSITION OF UST'S
Fastpoint #24
DISPENSER ISLANDS
ASPHALT
ASPHALT
WAVERLY STREET
TWO NOTCH ROAD
VACANT LOT
CURRENT POSITION OF UST'S
BANK OF AMERICA
FOREST DRIVE
TAYLOR STREET
ASPHALT
LEVY STREET
KAR KARE CLINIC
ASPHALT
MILWOOD AVENUE
CHURCHES CHICKEN
GARAGE
FREEZER BUILDING
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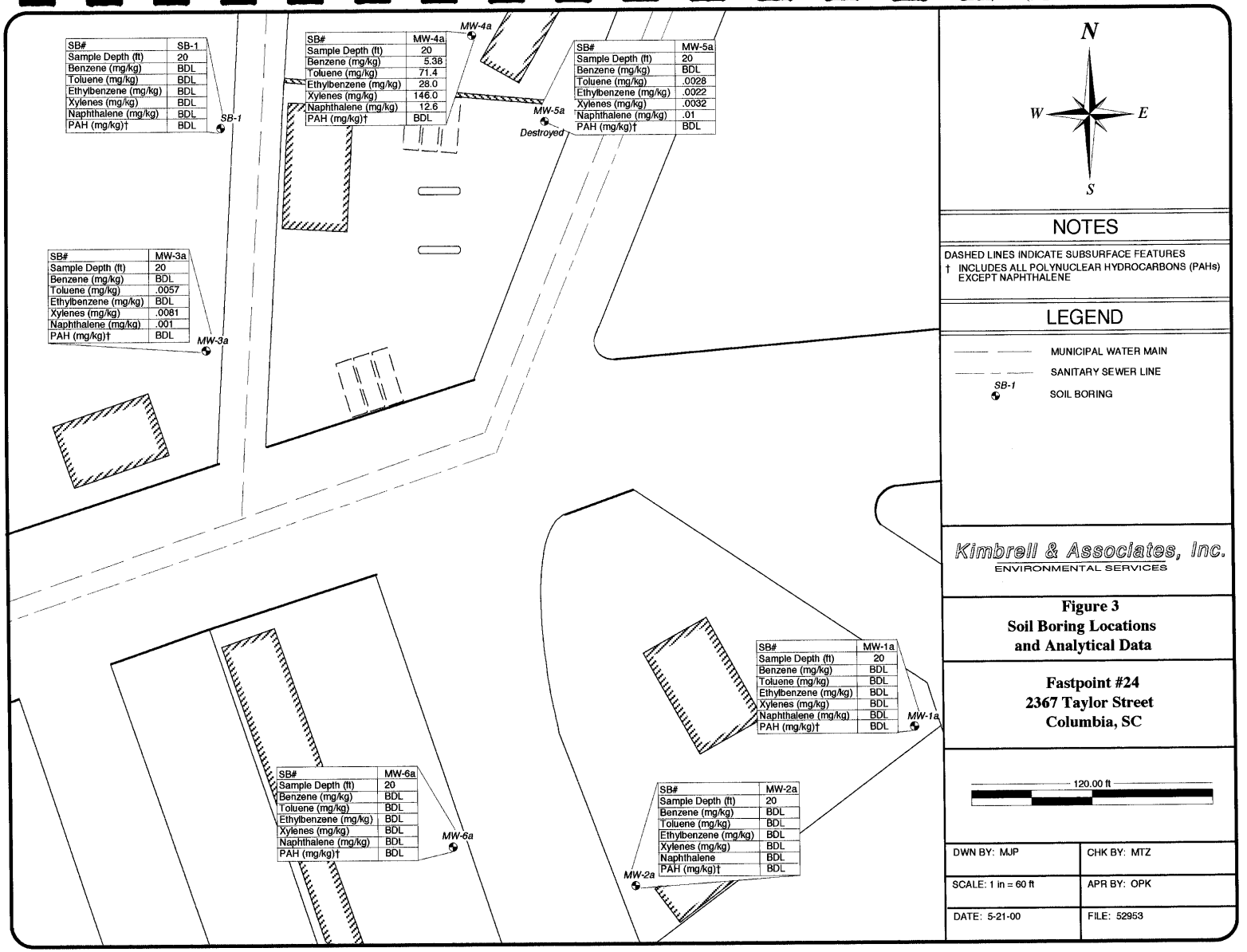
NOTES
DASHED LINES INDICATE SUBSURFACE FEATURES
LEGEND
MUNICIPAL WATER MAIN
SANITARY SEWER LINE
Kimbrell & Associates, Inc.
ENVIRONMENTAL SERVICES
Figure 2
Site Map
Fastpoint #24
2367 Taylor Street
Columbia, SC
120.00 ft
DWN BY: MJP
CHK BY: MTZ
SCALE: 1 In = 60 ft
APR BY: OPK
DATE: 5-21-00
FILE: 52953



NOTES

DASHED LINES INDICATE SUBSURFACE FEATURES

† INCLUDES ALL POLYNUCLEAR HYDROCARBONS (PAHs) EXCEPT NAPHTHALENE

LEGEND

MUNICIPAL WATER MAIN

SANITARY SEWER LINE

SB-1 SOIL BORING

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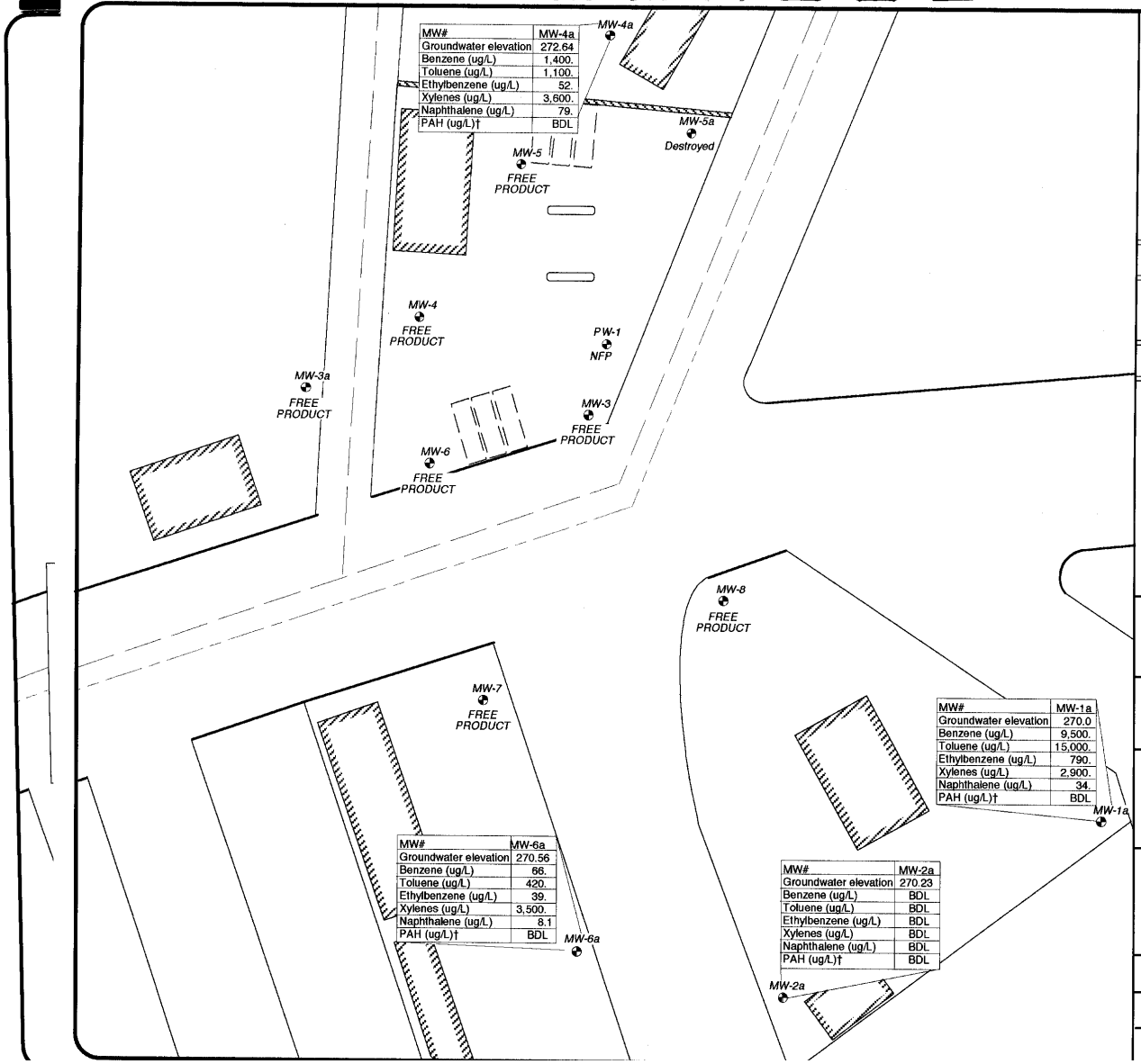
Figure 3
Soil Boring Locations and Analytical Data

Fastpoint #24
2367 Taylor Street
Columbia, SC

120.00 ft

DWN BY: MJP	CHK BY: MTZ
SCALE: 1 in = 60 ft	APR BY: OPK
DATE: 5-21-00	FILE: 52953



N

W E

S

NOTES

DASHED LINES INDICATE SUBSURFACE FEATURES

FREE PRODUCT MEASUREMENTS RECORDED ON 05-11-00

† INCLUDES ALL POLYNUCLEAR HYDROCARBONS (PAHs) EXCEPT NAPHTHALENE

LEGEND

MUNICIPAL WATER MAIN

SANITARY SEWER LINE

MW-1a MONITORING WELL

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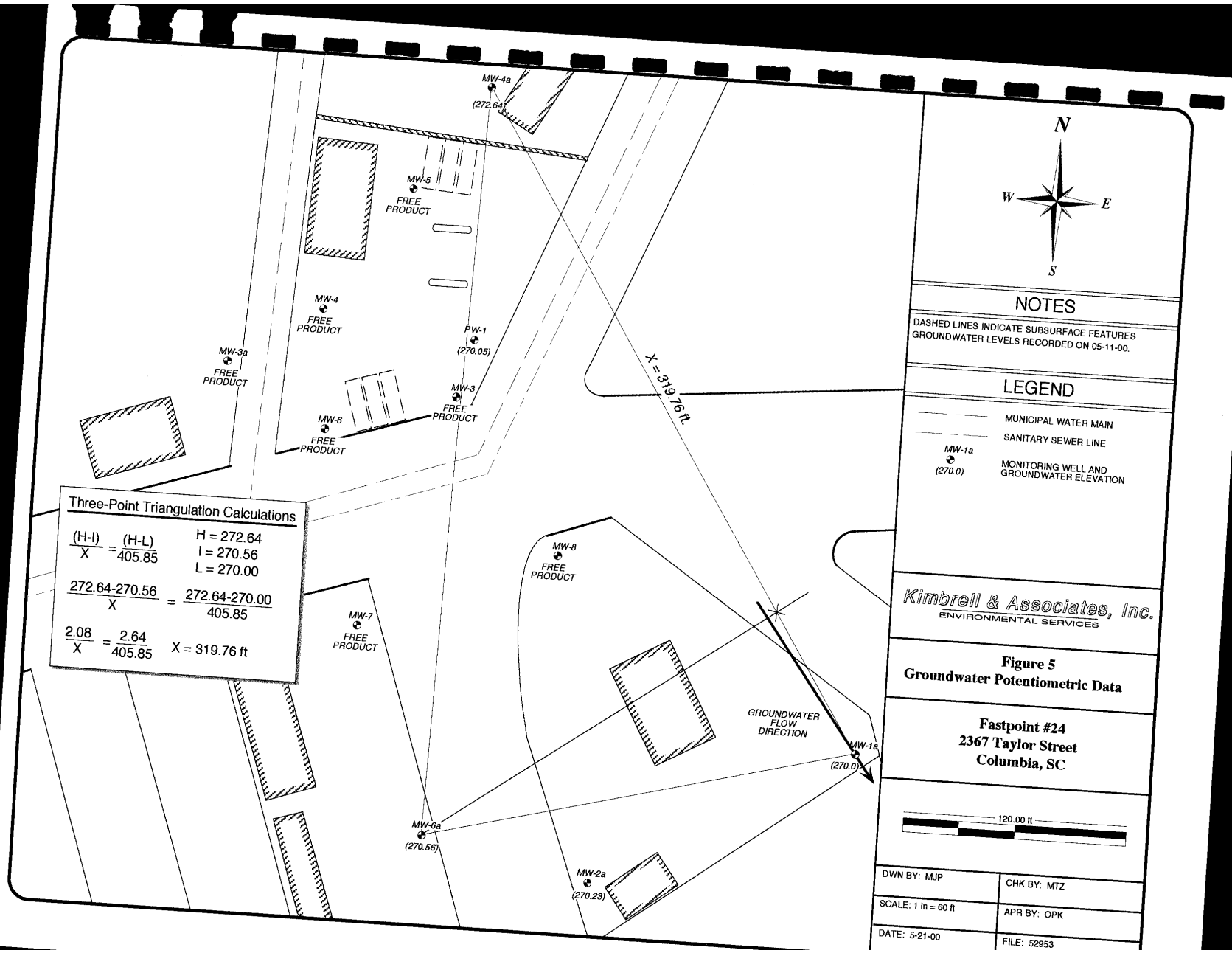
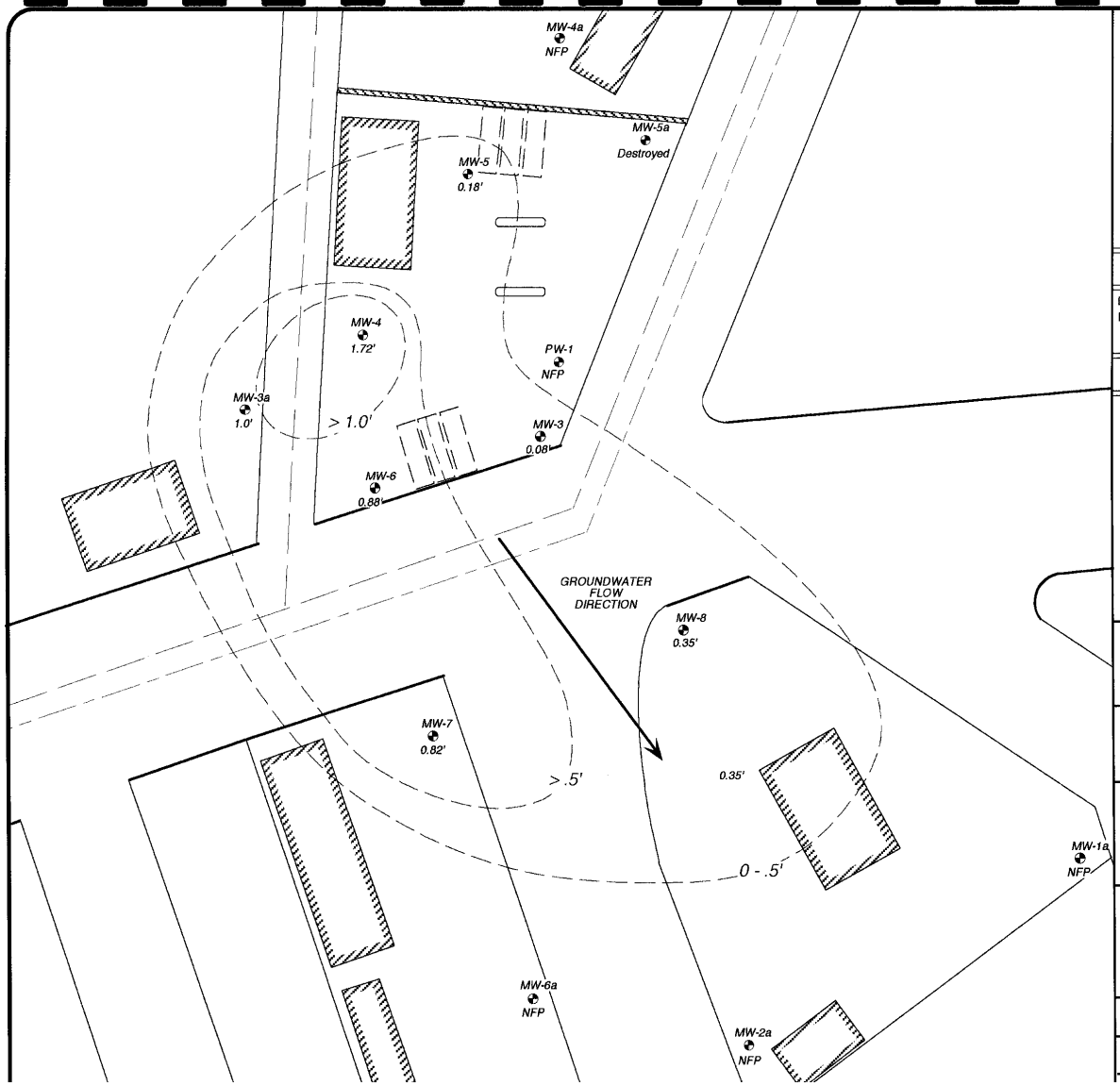
Figure 4
Monitoring Well Locations and Analytical Data

Fastpoint #24
2367 Taylor Street
Columbia, SC

120.00 ft

DWN BY: MJP	CHK BY: MTZ
SCALE: 1 in = 60 ft	APR BY: OPK
DATE: 5-21-00	FILE: 52953


MW-4a
(272.64)
MW-5
FREE PRODUCT
MW-4
FREE PRODUCT
MW-3a
FREE PRODUCT
PW-1
(270.05)
MW-3
FREE PRODUCT
MW-6
FREE PRODUCT
X = 319.76 ft.
MW-8
FREE PRODUCT
MW-7
FREE PRODUCT
GROUNDWATER FLOW DIRECTION
MW-1a
(270.0)
MW-6a
(270.56)
MW-2a
(270.23)
Three-Point Triangulation Calculations
(H-I)/X = (H-L)/405.85
H = 272.64
I = 270.56
L = 270.00
272.64-270.56/X = 272.64-270.00/405.85
2.08/X = 2.64/405.85
X = 319.76 ft
N
W
E
S
NOTES
DASHED LINES INDICATE SUBSURFACE FEATURES
GROUNDWATER LEVELS RECORDED ON 05-11-00.
LEGEND
MUNICIPAL WATER MAIN
SANITARY SEWER LINE
MW-1a
(270.0)
MONITORING WELL AND GROUNDWATER ELEVATION
Kimbrell & Associates, Inc.
ENVIRONMENTAL SERVICES
Figure 5
Groundwater Potentiometric Data
Fastpoint #24
2367 Taylor Street
Columbia, SC
120.00 ft
DWN BY: MJP
CHK BY: MTZ
SCALE: 1 in = 60 ft
APR BY: OPK
DATE: 5-21-00
FILE: 52953



N

W E

S

NOTES

DASHED LINES INDICATE SUBSURFACE FEATURES
FREE PRODUCT MEASUREMENTS RECORDED ON 05-11-00

LEGEND

MUNICIPAL WATER MAIN

SANITARY SEWER LINE

MW-3a
1.0'
MONITORING WELL AND FREE PRODUCT THICKNESS

Kimbrell & Associates, Inc.
ENVIRONMENTAL SERVICES

Figure 6
Estimated Extents and Isoconcentrations of Free Product Plume

Fastpoint #24
2367 Taylor Street
Columbia, SC

120.00 ft

DWN BY: MJP	CHK BY: MTZ
SCALE: 1 in = 60 ft	APR BY: OPK

Appendix A

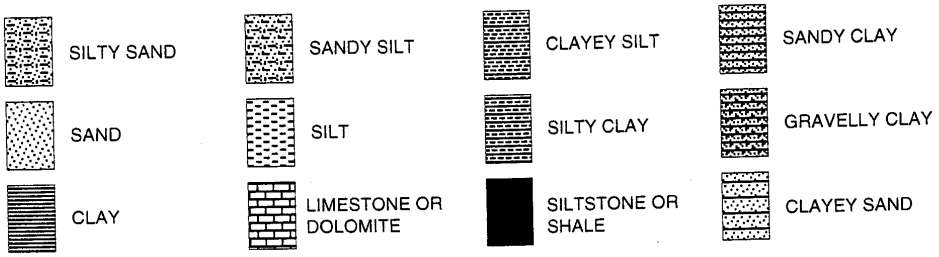
- Soil Boring Logs

Fastpoint #24
2367 Taylor Street
Columbia, SC
ID # 07584

TERRAINE, inc.
ENVIRONMENTAL SERVICES

KEY TO BORING LOG SYMBOLS AND ABBREVIATIONS

SOIL AND ROCK MATERIAL SYMBOLS



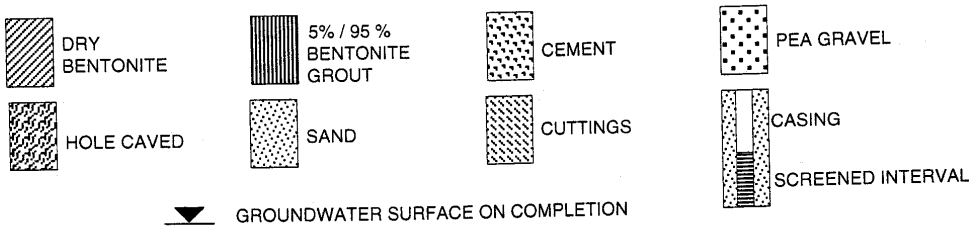
— — — — — INFERRED SOIL OR ROCK BOUNDARY

——————— OBSERVED SOIL OR ROCK BOUNDARY

UNIFIED SOIL CLASSIFICATION SYSTEM

GM	Silty gravels, gravel-sand-clay mixtures
GC	Clayey gravels, gravel-sand clay mixtures
SW	Well graded sands, gravelly sands, little or no fines
SP	Poorly graded sands, little or no fines
SC	Silts and very fine sands, sandy to clayey silts of low plasticity
ML	Fine sands to clayey silts of high plasticity
MH	Clays, gravelly clays, sandy clays, silty clays, low plasticity
CL	Highly plastic clays
CH	Clayey sands, sand-silt-clay mixtures

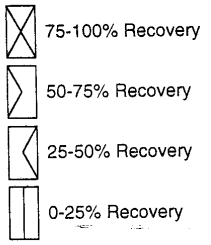
WELL CONSTRUCTION MATERIAL SYMBOLS



GROUNDWATER SURFACE ON COMPLETION

GROUNDWATER SURFACE, FIRST ENCOUNTERED

SAMPLE SYMBOLS & ABBREVIATIONS



SS	Split Spoon Sample
ST	Shelby Tube Sample
HA	Hand Auger Sample
CS	Continuous Sample
RC	Rock Core
BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
GRO	Gasoline Range Organics
DRO	Diesel Range Organics
OVD	Organic Vapor Detector (Analyzer)
ppm	parts per million
RCRA	8 RCRA Metals
TCLP	Toxicity Characteristic Leaching Procedure

FACILITY NAME: Fastpoint #24, 2367 Taylor Street, Columbia, SC

NC FAC. ID#:

BORING# / WELL# MW-1a

PG 1 OF 1

LOCATION MAP:

START DATE & TIME 03-30-99

COMP. DATE & TIME 03-30-99

LOGGED BY: Edward Chapman

DRILLER: Froehling & Robertson, Inc.

DRILLING METHOD: Mobile Drill Rig

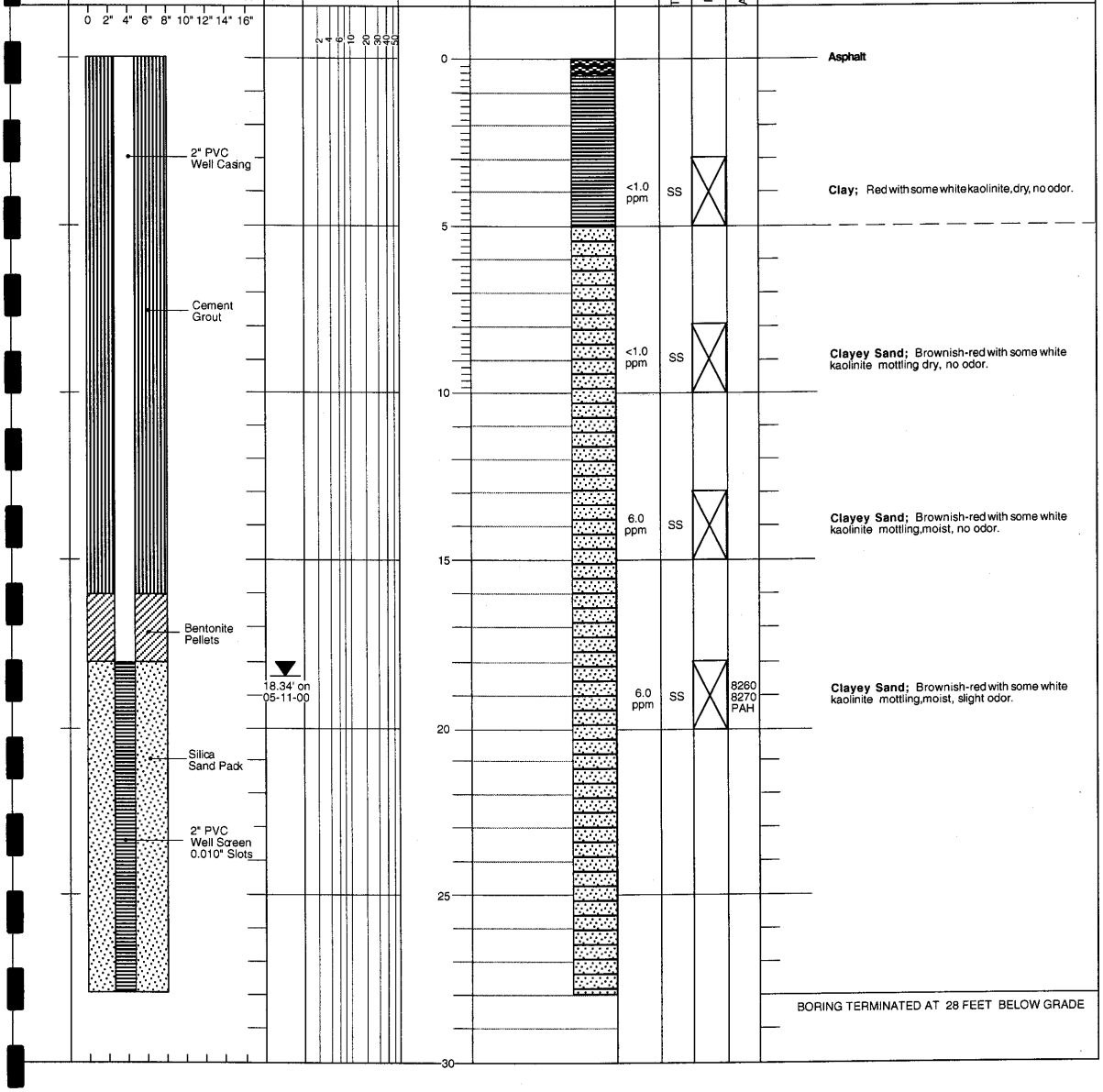
ELEV (MSL):

T.D. (MSL): 28 feet

Kimbrell & Associates, Inc.
ENVIRONMENTAL SERVICES

Standard Boring Log
Kimbrell & Associates, Inc.
Charlotte, NC

COMMENTS: Soil boring advanced and converted to a monitoring well once groundwater was encountered.



FACILITY NAME: Fastpoint #24, 2367 Taylor Street, Columbia, SC

NC FAC. ID#:

BORING# / WELL# MW-2a

PG 1 OF 1

LOCATION MAP:

START DATE & TIME 03-31-99

COMP. DATE & TIME 03-31-99

LOGGED BY: Edward Chapman

DRILLER: Froehling & Robertson, Inc.

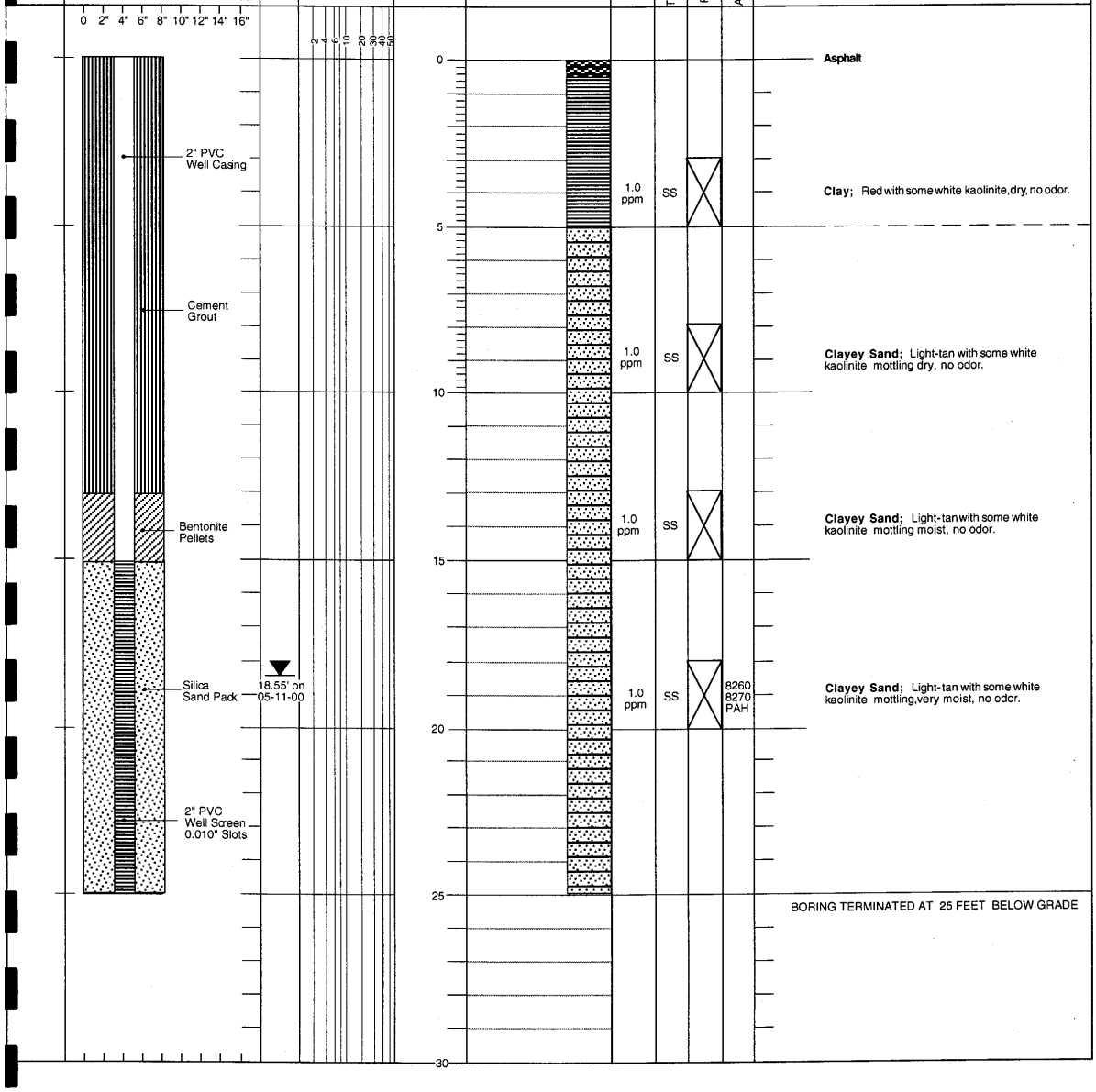
DRILLING METHOD: Mobile Drill Rig

ELEV (MSL): T.D. (MSL): 25 feet

Kimbrell & Associates, Inc.
ENVIRONMENTAL SERVICES

Standard Boring Log
Kimbrell & Associates, Inc.
Charlotte, NC

COMMENTS: Soil boring advanced and converted to a monitoring well once groundwater was encountered.



FACILITY NAME: Fastpoint #24, 2367 Taylor Street, Columbia, SC

NC FAC. ID#:

BORING# / WELL# MW-3a

PG 1 OF 1

LOCATION MAP:

START DATE & TIME 03-31-99

COMP. DATE & TIME 03-31-99

LOGGED BY: Edward Chapman

DRILLER: Froehling & Robertson, Inc.

DRILLING METHOD: Mobile Drill Rig

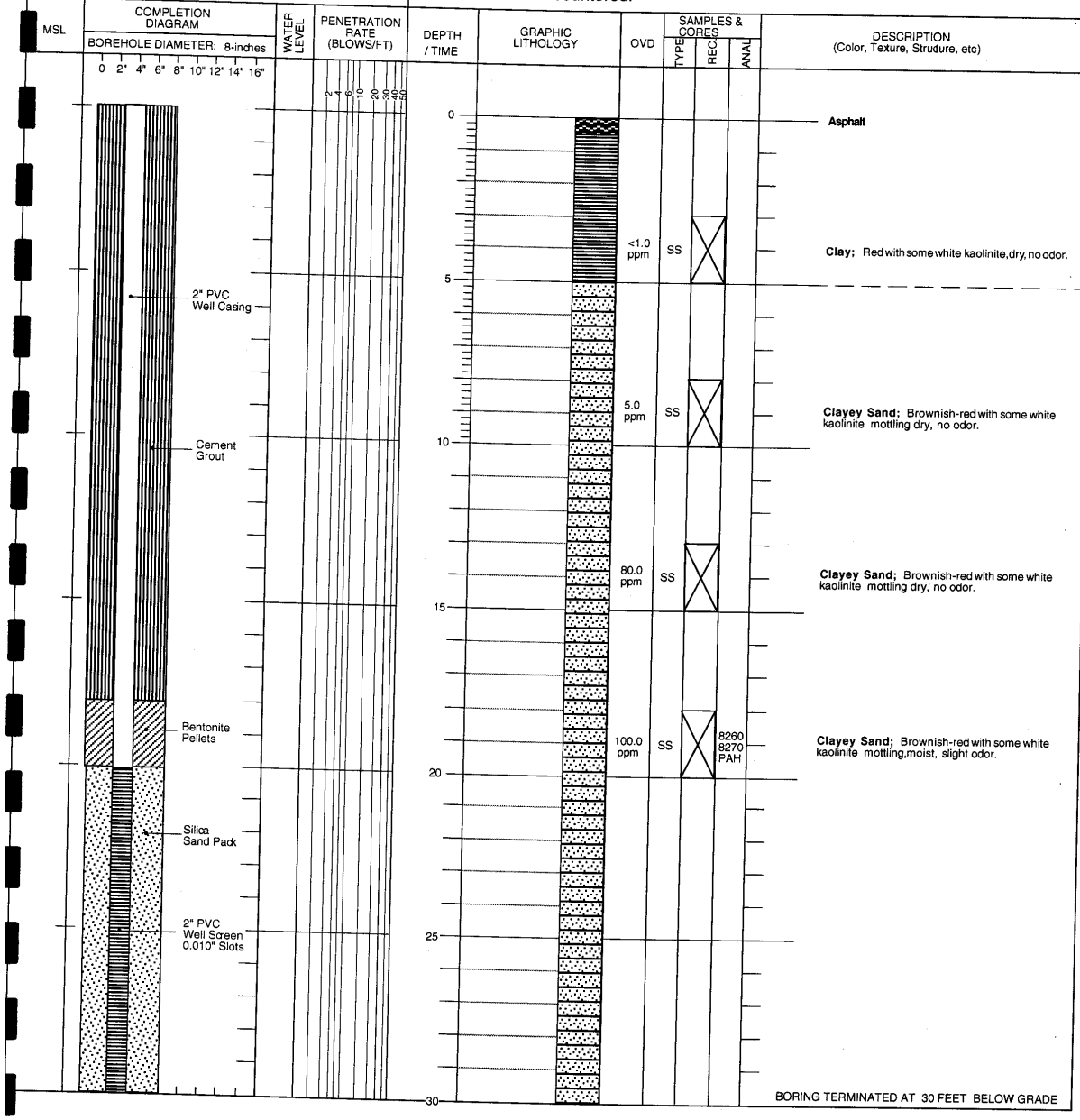
ELEV (MSL):

T.D. (MSL): 30 feet

COMMENTS: Soil boring advanced and converted to a monitoring well once groundwater was encountered.

Kimbrell & Associates, Inc.
ENVIRONMENTAL SERVICES

Standard Boring Log
Kimbrell & Associates, Inc.
Charlotte, NC



FACILITY NAME: Fastpoint #24, 2367 Taylor Street, Columbia, SC

NC FAC. ID#:

BORING# / WELL# MW-4a

PG 1 OF 1

LOCATION MAP:

START DATE & TIME 04-02-99

COMP. DATE & TIME 04-02-99

LOGGED BY: Edward Chapman

DRILLER: Froehling & Robertson, Inc.

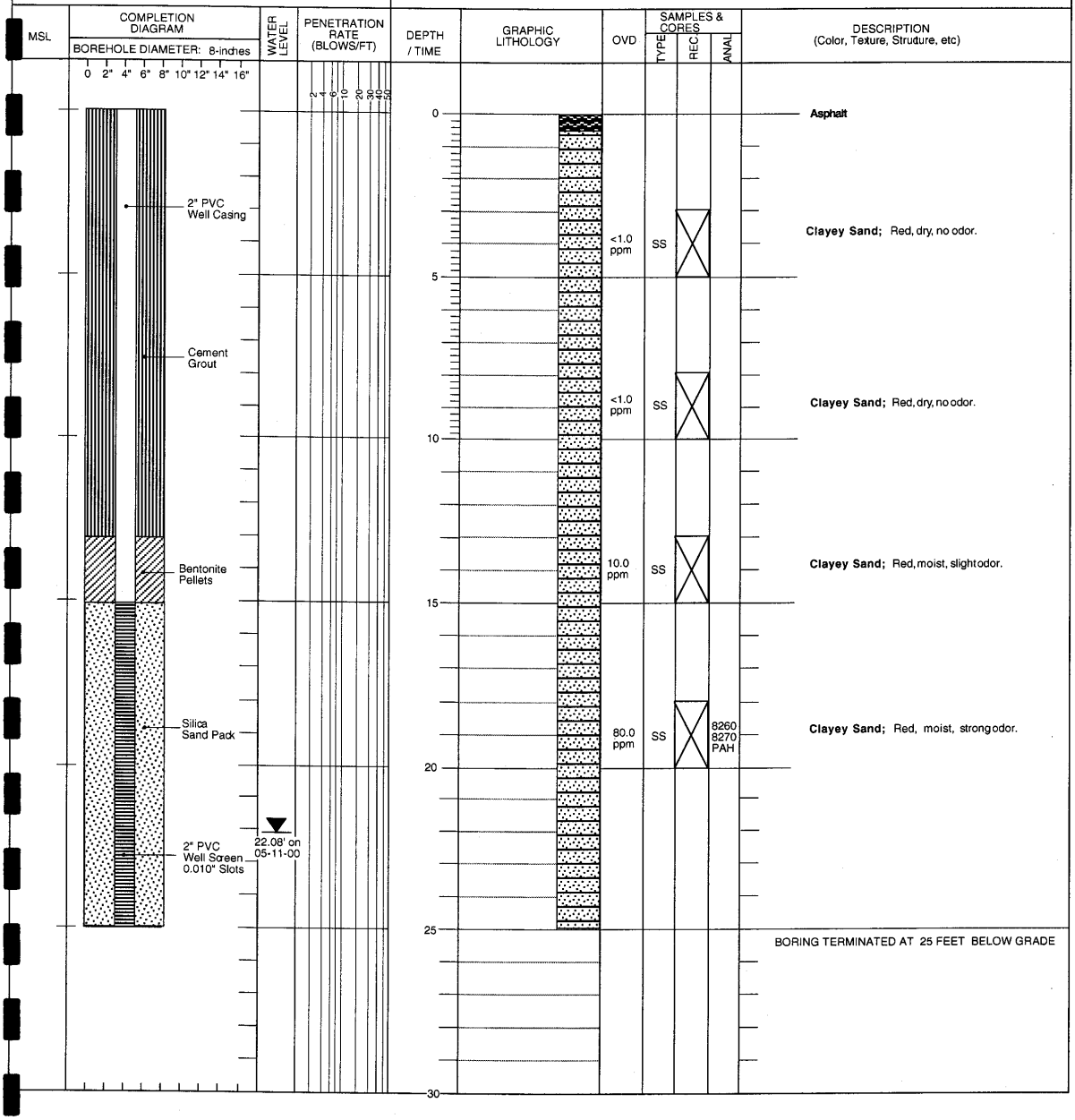
DRILLING METHOD: Mobile Drill Rig

ELEV (MSL): T.D. (MSL): 25 feet

Kimbrell & Associates, Inc.
ENVIRONMENTAL SERVICES

Standard Boring Log
Kimbrell & Associates, Inc.
Charlotte, NC

COMMENTS: Soil boring advanced and converted to a monitoring well once groundwater was encountered.



FACILITY NAME: Fastpoint #24, 2367 Taylor Street, Columbia, SC

NC FAC. ID#:

BORING# / WELL# MW-5a

PG 1 OF 1

LOCATION MAP:

START DATE & TIME 04-05-99

COMP. DATE & TIME 04-05-99

LOGGED BY: Edward Chapman

DRILLER: Froehling & Robertson, Inc.

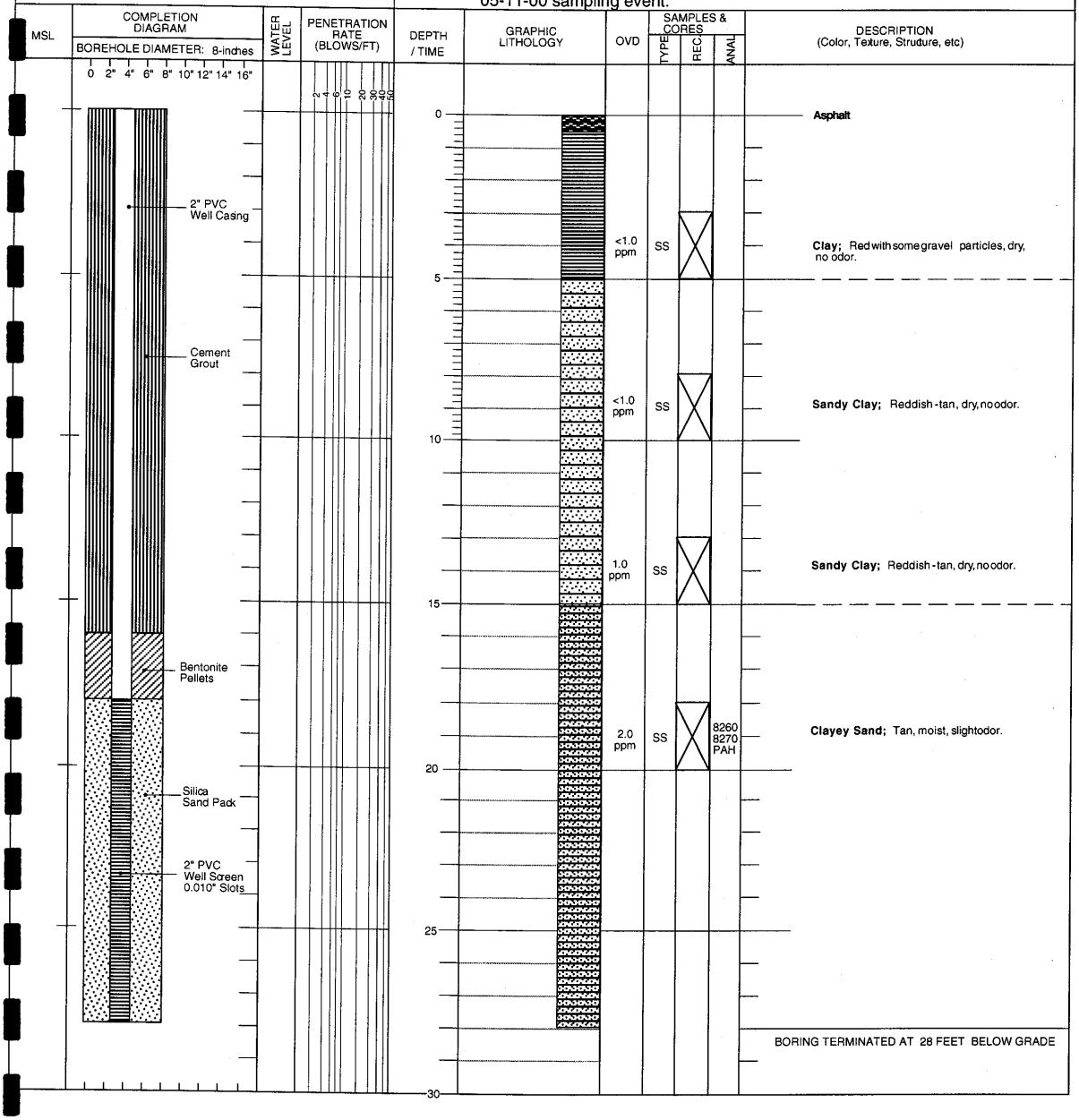
DRILLING METHOD: Mobile Drill Rig

ELEV (MSL): T.D. (MSL): 28 feet

Kimbrell & Associates, Inc.
ENVIRONMENTAL SERVICES

Standard Boring Log
Kimbrell & Associates, Inc.
Charlotte, NC

COMMENTS: Soil boring advanced and converted to a monitoring well once groundwater was encountered. Manhole found to be mostly covered with concrete at 05-11-00 sampling event.



FACILITY NAME: Fastpoint #24, 2367 Taylor Street, Columbia, SC

NC FAC. ID#:

BORING# / WELL# MW-6a

PG 1 OF 1

LOCATION MAP:

START DATE & TIME 04-05-99

COMP. DATE & TIME 04-05-99

LOGGED BY: Edward Chapman

DRILLER: Froehling & Robertson, Inc.

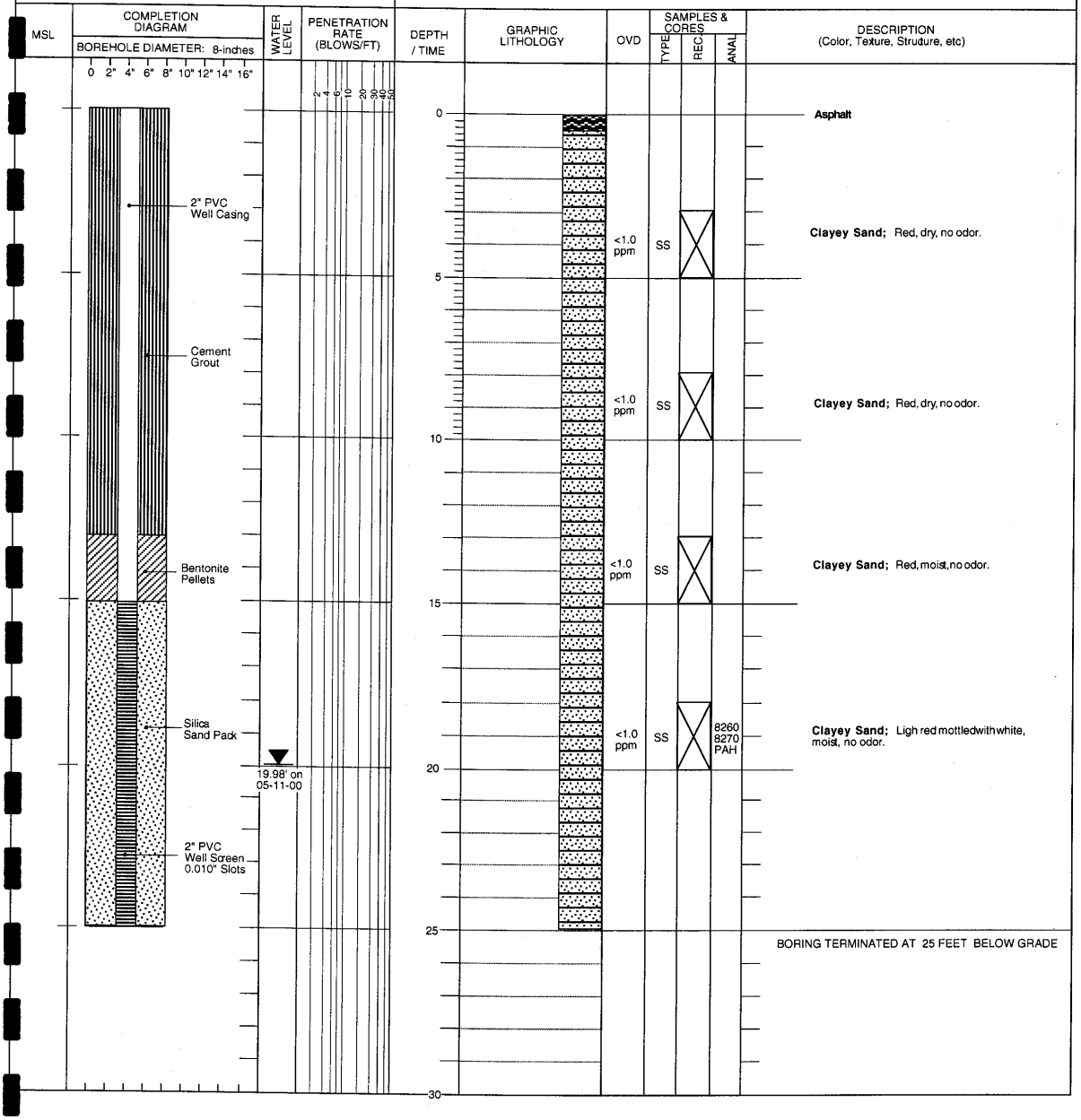
DRILLING METHOD: Mobile Drill Rig

ELEV (MSL): T.D. (MSL): 25 feet

Kimbrell & Associates, Inc.
ENVIRONMENTAL SERVICES

Standard Boring Log
Kimbrell & Associates, Inc.
Charlotte, NC

COMMENTS: Soil boring advanced and converted to a monitoring well once groundwater was encountered.



FACILITY NAME: Fastpoint #24, 2367 Taylor Street, Columbia, SC

NC FAC. ID#:

BORING# / WELL# SB-1

PG 1 OF 1

LOCATION MAP:

START DATE & TIME 04-02-99

COMP. DATE & TIME 04-02-99

LOGGED BY: Edward Chapman

DRILLER: Froehling & Robertson, Inc.

DRILLING METHOD: Mobile Drill Rig

ELEV (MSL):

T.D. (MSL): 20 feet

COMMENTS: No monitoring well installed.

Kimbrell & Associates, Inc.
ENVIRONMENTAL SERVICES

Standard Boring Log
Kimbrell & Associates, Inc.
Charlotte, NC

MSL	COMPLETION DIAGRAM (BOREHOLE DIAMETER: 8-inches; 0 2" 4" 6" 8" 10" 12" 14" 16")	WATER LEVEL	PENETRATION RATE (BLOWS/FT) (2 4 6 10 20 30 40 50)	DEPTH / TIME	GRAPHIC LITHOLOGY	OVD	SAMPLES & CORES TYPE	REC	ANAL	DESCRIPTION (Color, Texture, Strudure, etc)
				0						**Asphalt**
						1.0 ppm	SS	X		**Clay;** Red with some white kaolinite, dry, no odor.
				5						
						1.5 ppm	SS	X		**Clay;** Red with some white kaolinite, dry, no odor.
				10						
						30.0 ppm	SS	X		**Clayey Sand;** Brownish-red with some white kaolinite mottling, moist, slight odor.
				15						
						100.0 ppm	SS	X	8260 8270 PAH	**Clayey Sand;** Yellowish - red with some white kaolinite mottling, moist, slight odor.
				20						BORING TERMINATED AT 20 FEET BELOW GRADE
				25						
				30						

Appendix B

- Monitoring Well Construction Logs

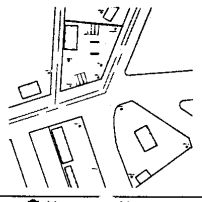
Fastpoint #24
2367 Taylor Street
Columbia, SC
ID # 07584

DHEC
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 734-5300

1. LOCATION OF WELL: MW-1a
County: Richland
System Name: Fastpoint #24
Latitude: 30°0'45.5" Longitude: 81°0' 59.2'
Distance and Direction from Road Intersections: >50 feet
Street Address & City of Well Location:

Sketch Map:



2. CUTTING SAMPLES: ■ Yes No
Geophysical Logs: ☐ Yes (please enclose) ■ No

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Asphalt	.5	.5
Red Clay	4.5	5.0
Brownish Red		
Clayey Sand	23.0+	28.0+
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

3. REMARKS:

4. OWNER OF WELL:
Address: Acme Petroleum Inc.
543 Cox Rd.
Telephone No.: Gastonia, NC 28053
Engineer: KIMBRELL & Associates, Inc.
Address: 14405 Raynham
Charlotte, NC 28262
Telephone No.:

5. WELL DEPTH (completed) 28.0 ft.
Date Started: 3-30-99
Date Completed: 3-30-99

6. ☐ Mud Rotary ☐ Jetted ■ Bored ☐ Dug
☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. USE:
☐ Domestic ☐ Public Supply–Permit No. ____ ☐ Industry
☐ Irrigation ☐ Air Conditioning ☐ Commercial
☐ Test Well ■ Monitor Well ☐ ____

8. CASING: ■ Threaded ☐ Welded
Diam.: 2"
Type: ■ PVC ☐ Galvanized
☐ Steel ☐ Other
6 in. to 18 ft. depth
____ in. to ____ ft. depth
Height: Above/Below
Surface .5 ft.
Weight ____ lb./ft.
Drive Shoe? ☐ Yes ■ No

9. SCREEN
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10'
Set Between: 18 ft. and 28 ft.
____ ft. and ____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ■ No

10. STATIC WATER LEVEL 18.34 ft. below land surface after 24 hours

11. PUMPING LEVEL Below Land Surface.
____ ft. after ____ hrs. Pumping ____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ■ No
Yield: ____

12. WATER QUALITY
Chemical Analysis ■ Yes No Bacterial Analysis ☐ Yes ■ No
Please enclose lab results.

13. ARTIFICIAL FILTER (gravel pack) ■ Yes ☐ No
Installed from 28 ft. to 17 ft.
Effective size #2 Uniformity Coefficient ____

14. WELL GROUTED? ■ Yes ☐ No
■ Neat Cement ☐ Sand Cement ☐ Concrete ☐ Other ____
Depth: From 16 ft. to 0 ft.

15. NEAREST SOURCE OF POSSIBLE CONTAMINATION: 200 ft. NW direction
____ Type well disinfected ☐ Yes Type: ____
upon completion ■ No Amount: ____

16. PUMP: Date installed: ____ Not installed ■
Mfr. Name: ____ Model No.: ____
H.P. ____ Volts ____ Length of drop pipe ____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine
☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

17. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.
Registered Business Name: Froehling & Robertson Date: 6-27-00
Address: 549 Sweeten Creek Rd. Asheville NC 28803
Signed: [signature] Cert. No.: 810
Authorized Representative
Richard Beaton

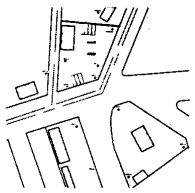
DHEC 1903 (10/96) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 734-5300

1. LOCATION OF WELL: MW-29
County: Richland
System Name: Fastpoint #24
Latitude: 30°0'45.5" Longitude: 81°0' 59.2'
Distance and Direction from Road Intersections:
>50 feet
Street Address & City of Well Location:

Sketch Map:



2. CUTTING SAMPLES: ■ Yes ☐ No
Geophysical Logs: ☐ Yes (please enclose) ■ No

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Asphalt	.5	.5
Red Clay	4.5	5.0
Light-tan Clayey sand	20.0+	25.0+
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

3. REMARKS:

4. OWNER OF WELL:
Address: Acme Petroleum Inc.
543 Cox Rd.
Telephone No.: Gastonia, NC 28053
Engineer: KIMBREL & Associates, Inc.
Address: 14405 Raynham
Telephone No.: Charlotte, NC 28262

5. WELL DEPTH (completed) 25.0 ft. Date Started: 3-31-99 Date Completed: 3-31-99

6. ☐ Mud Rotary ☐ Jetted ■ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. USE:
☐ Domestic ☐ Public Supply–Permit No. ____ ☐ Industry
☐ Irrigation ☐ Air Conditioning ☐ Commercial
☐ Test Well ■ Monitor Well ☐ ____

8. CASING: ■ Threaded ☐ Welded
Diam.: 2"
Type: ■ PVC ☐ Galvanized ☐ Steel ☐ Other
.5 in. to 15 ft. depth
____ in. to ____ ft. depth
Height: Above/Below Surface .5 ft.
Weight ____ lb./ft.
Drive Shoe? ☐ Yes ■ No

9. SCREEN
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10'
Set Between: 15 ft. and 25 ft.
____ ft. and ____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ■ No

10. STATIC WATER LEVEL 18.55 ft. below land surface after 24 hours

11. PUMPING LEVEL Below Land Surface.
____ ft. after ____ hrs. Pumping ____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ■ No
Yield: ____

12. WATER QUALITY
Chemical Analysis ■ Yes No Bacterial Analysis ☐ Yes ■ No
Please enclose lab results.

13. ARTIFICIAL FILTER (gravel pack) ■ Yes ☐ No
Installed from 14 ft. to 25 ft.
Effective size #2 gravel Uniformity Coefficient ____

14. WELL GROUTED? ■ Yes ☐ No
■ Neat Cement ☐ Sand Cement ☐ Concrete ☐ Other ____
Depth: From 13 ft. to 0 ft.

15. NEAREST SOURCE OF POSSIBLE CONTAMINATION: 400 ft. NW direction
____ Type well disinfected ☐ Yes Type: ____
upon completion ■ No Amount: ____

16. PUMP: Date installed: ____ ■ Not installed
Mfr. Name: ____ Model No.: ____
H.P. ____ Volts ____ Length of drop pipe ____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

17. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.
Registered Business Name: Froehling & Robertson Date: 6-27-06
Address: 549 Sweeten Creek Rd Asheville NC 28803
Signed: Richard Bruton Cert. No.: 810
Authorized Representative

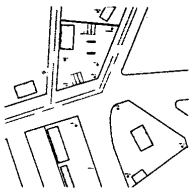
DHEC 1903 (10/96) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 734-5300

1. LOCATION OF WELL: MW-39
County: Richland
System Name: Fastpoint #24
Latitude: 30°0'45.5" Longitude: 81°0' 59.2'
Distance and Direction from Road Intersections:
>50 feet
Street Address & City of Well Location:

Sketch Map:



2. CUTTING SAMPLES: ■ Yes ☐ No
Geophysical Logs: ☐ Yes (please enclose) ■ No

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Asphalt	.5	.5
Red Clay	4.5	5.0
Brownish Red Clayey Sand	25.0+	30.0+
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

3. REMARKS:
FREE PRODUCT IN WELL

4. OWNER OF WELL:
Address: Acme Petroleum Inc.
543 Cox Rd.
Telephone No.: Gastonia, NC 28053
Engineer: Kimbrell & Associates, Inc.
Address: 14405 Raynham
Charlotte, NC 28262
Telephone No.:

5. WELL DEPTH (completed) 30.0 ft. Date Started: 3-31-99 Date Completed: 3-31-99

6. ☐ Mud Rotary ☐ Jetted ■ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. USE:
☐ Domestic ☐ Public Supply–Permit No. ____ ☐ Industry
☐ Irrigation ☐ Air Conditioning ☐ Commercial
☐ Test Well ■ Monitor Well ☐ ____

8. CASING: ■ Threaded ☐ Welded
Diam.: 2"
Type: ■ PVC ☐ Galvanized ☐ Steel ☐ Other
.5 in. to 20 ft. depth
____ in. to ____ ft. depth
Height: Above/Below
Surface .5 ft.
Weight ____ lb./ft.
Drive Shoe? ☐ Yes ■ No

9. SCREEN
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10'
Set Between: 20 ft. and 30 ft.
____ ft. and ____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ■ No

10. STATIC WATER LEVEL N/A-FREE PRODUCT ft. below land surface after 24 hours

11. PUMPING LEVEL Below Land Surface.
____ ft. after ____ hrs. Pumping ____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ■ No
Yield: ____

12. WATER QUALITY
Chemical Analysis ☐ Yes ■ No Bacterial Analysis ☐ Yes ■ No
Please enclose lab results.

13. ARTIFICIAL FILTER (gravel pack) ■ Yes ☐ No
Installed from 19 ft. to 30 ft.
Effective size #2 gravel Uniformity Coefficient ____

14. WELL GROUTED? ■ Yes ☐ No
■ Neat Cement ☐ Sand Cement ☐ Concrete ☐ Other ____
Depth: From 18 ft. to 0 ft.

15. NEAREST SOURCE OF POSSIBLE CONTAMINATION: 150 ft. NE direction
____ Type well disinfected ☐ Yes Type: ____
upon completion ■ No Amount: ____

16. PUMP: Date installed: ____ ■ Not installed
Mfr. Name: ____ Model No.: ____
H.P. ____ Volts ____ Length of drop pipe ____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine
☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

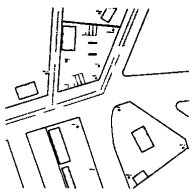
17. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.
Registered Business Name: Froehling & Robertson Date: 6-27-00
Address: 549 Sweeten Creek Rd Asheville, NC 28803
Signed: Richard Beatty Cert. No.: 810
Authorized Representative

DHEC 1903 (10/96) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 734-5300

1. LOCATION OF WELL: MW-4a (Now MW-21)
County: Richland
System Name: Fastpoint #24
Latitude: 30°0'45.5" Longitude: 81°0' 59.2"
Distance and Direction from Road Intersections:
>50 feet
Street Address & City of Well Location:
Sketch Map:



2. CUTTING SAMPLES: ■ Yes ☐ No
Geophysical Logs: ☐ Yes (please enclose) ■ No

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Asphalt	.5	.5
Red Clayey Sand	24.5+	25.0+
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

3. REMARKS:

4. OWNER OF WELL:
Address: Acme Petroleum Inc.
543 Cox Rd.
Telephone No.: Gastonia, NC 28053
Engineer: Kimbrell & Associates, Inc.
Address: 14405 Raynham
Charlotte, NC 28262
Telephone No.:

5. WELL DEPTH (completed) 25.0 ft. Date Started: 4-2-99 Date Completed: 4-2-99

6. ☐ Mud Rotary ☐ Jetted ■ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. USE:
☐ Domestic ☐ Public Supply–Permit No. ____ ☐ Industry
☐ Irrigation ☐ Air Conditioning ☐ Commercial
☐ Test Well ■ Monitor Well ☐ ____

8. CASING: ■ Threaded ☐ Welded
Diam.: 2"
Type: ■ PVC ☐ Galvanized ☐ Steel ☐ Other
.5 in. to 15.0 ft. depth
____ in. to ____ ft. depth
Height: Above/Below Surface .5 ft.
Weight ____ lb./ft.
Drive Shoe? ☐ Yes ■ No

9. SCREEN
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10'
Set Between: 15 ft. and 25 ft.
____ ft. and ____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ■ No

10. STATIC WATER LEVEL 22.08 ft. below land surface after 24 hours

11. PUMPING LEVEL Below Land Surface.
____ ft. after ____ hrs. Pumping ____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ■ No
Yield: ____

12. WATER QUALITY
Chemical Analysis ■ Yes ☐ No Bacterial Analysis ☐ Yes ■ No
Please enclose lab results.

13. ARTIFICIAL FILTER (gravel pack) ■ Yes ☐ No
Installed from 14 ft. to 25 ft.
Effective size #2-6 Gravel Uniformity Coefficient ____

14. WELL GROUTED? ■ Yes ☐ No
■ Neat Cement ☐ Sand Cement ☐ Concrete ☐ Other ____
Depth: From 13 ft. to 0 ft.

15. NEAREST SOURCE OF POSSIBLE CONTAMINATION: 50 ft. S direction
____ Type well disinfected ☐ Yes Type: ____
upon completion ■ No Amount: ____

16. PUMP: Date installed: ____ ■ Not installed
Mfr. Name: ____ Model No.: ____
H.P. ____ Volts ____ Length of drop pipe ____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine
☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

17. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.
Registered Business Name: Frechling & Robertson Date: 6-27-00
Address: 549 Sweeten Creek Rd, Asheville, NC 28803
Signed: Richard Benton Cert. No.: 810
Authorized Representative

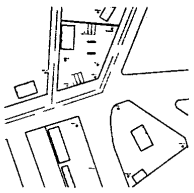
DHEC 1903 (10/96) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 734-5300

1. LOCATION OF WELL: MW-5a
County: Richland
System Name: Fastpoint #24
Latitude: 30°0'45.5" Longitude: 81°0' 59.2"
Distance and Direction from Road intersections:
>50 feet
Street Address & City of Well Location:

Sketch Map:



2. CUTTING SAMPLES: ■ Yes ☐ No
Geophysical Logs: ☐ Yes (please enclose) ■ No

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Asphalt	.5	.5
Red Clay	4.5	5.0
Reddish-tan Sandy Clay	9.5	15.0
Tan Clayey Sand	13.0+	28.0+
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

3. REMARKS:
Well covered with concrete at a later date

4. OWNER OF WELL:
Address: Acme Petroleum Inc.
543 Cox Rd.
Telephone No.: Gastonia, NC 28053
Engineer: Kimbrell & Associates, Inc
Address: 1440S Rayntheon
Charlotte, NC 28262
Telephone No.:

5. WELL DEPTH (completed) 28.0 ft. Date Started: 4-5-99 Date Completed: 4-5-99

6. ☐ Mud Rotary ☐ Jetted ■ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. USE:
☐ Domestic ☐ Public Supply–Permit No. ____ ☐ Industry
☐ Irrigation ☐ Air Conditioning ☐ Commercial
☐ Test Well ■ Monitor Well ☐ ____

8. CASING: ■ Threaded ☐ Welded
Diam.: 2"
Type: ■ PVC ☐ Galvanized ☐ Steel ☐ Other
.5 in. to 10.0 ft. depth
____ in. to ____ ft. depth
Height: Above/Below Surface .5 ft.
Weight ____ lb./ft.
Drive Shoe? ☐ Yes ■ No

9. SCREEN
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10'
Set Between: 18 ft. and 28 ft. NOTE: MULTIPLE SCREENS
____ ft. and ____ ft. USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ■ No

10. STATIC WATER LEVEL
N/A ft. below land surface after 24 hours

11. PUMPING LEVEL Below Land Surface.
____ ft. after ____ hrs. Pumping ____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ■ No
Yield: ____

12. WATER QUALITY
Chemical Analysis ☐ Yes ■ No Bacterial Analysis ☐ Yes ■ No
Please enclose lab results.

13. ARTIFICIAL FILTER (gravel pack) ■ Yes ☐ No
Installed from 17 ft. to 28 ft.
Effective size #2 gravel Uniformity Coefficient ____

14. WELL GROUTED? ■ Yes ☐ No
■ Neat Cement ☐ Sand Cement ☐ Concrete ☐ Other ____
Depth: From 16 ft. to 0 ft.

15. NEAREST SOURCE OF POSSIBLE CONTAMINATION: 20 ft. W direction
____ Type well disinfected ☐ Yes Type: ____
upon completion ■ No Amount: ____

16. PUMP: Date installed: ____ ■ Not installed
Mfr. Name: ____ Model No.: ____
H.P. ____ Volts ____ Length of drop pipe ____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine
☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

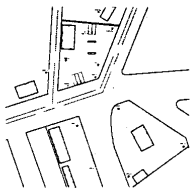
17. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.
Registered Business Name: Frochling & Robertson Date: 6-27-00
Address: 549 Sweeten Creek Rd Asheville NC 28803
Signed: Richard Bentley Cert. No.: 810
Authorized Representative

DHEC 1903 (10/96) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 734-5300

1. LOCATION OF WELL: MW-69
County: Richland
System Name: Fastpoint #24
Latitude: 30°0'45.5" Longitude: 81°0' 59.2"
Distance and Direction from Road Intersections: >50 feet
Street Address & City of Well Location:
Sketch Map:



2. CUTTING SAMPLES: ■ Yes ☑ No
Geophysical Logs: ☐ Yes (please enclose) ■ No

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Asphalt	.5	.5
Red Clayey Sand	24.5+	25.0+
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

3. REMARKS:

4. OWNER OF WELL:
Address: Acme Petroleum Inc.
543 Cox Rd.
Telephone No.: Gastonia, NC 28053

Engineer: Kimbrell & Associates, Inc.
Address: 14405 Raynham
Telephone No.: Charlotte, NC 28262

5. WELL DEPTH (completed) 25.0 ft. Date Started: 4-5-99 Date Completed: 4-5-99

6. ☐ Mud Rotary ☐ Jetted ■ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. USE:
☐ Domestic ☐ Public Supply–Permit No. ____ ☐ Industry
☐ Irrigation ☐ Air Conditioning ☐ Commercial
☐ Test Well ■ Monitor Well ☐ ____

8. CASING: ■ Threaded ☐ Welded
Diam.: 2"
Type: ■ PVC ☐ Galvanized ☐ Steel ☐ Other
.5 in. to 15 ft. depth
____ in. to ____ ft. depth
Height: Above/Below Surface .5 ft.
Weight ____ lb./ft.
Drive Shoe? ☐ Yes ■ No

9. SCREEN
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10'
Set Between: 15 ft. and 25 ft. NOTE: MULTIPLE SCREENS
____ ft. and ____ ft. USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ■ No

10. STATIC WATER LEVEL 19.98 ft. below land surface after 24 hours

11. PUMPING LEVEL Below Land Surface.
____ ft. after ____ hrs. Pumping ____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ■ No
Yield: ____

12. WATER QUALITY
Chemical Analysis ■ Yes ☐ No Bacterial Analysis ☐ Yes ■ No
Please enclose lab results.

13. ARTIFICIAL FILTER (gravel pack) ■ Yes ☐ No
Installed from 14 ft. to 25 ft.
Effective size #2 gravel Uniformity Coefficient ____

14. WELL GROUTED? ■ Yes ☐ No
■ Neat Cement ☐ Sand Cement ☐ Concrete ☐ Other ____
Depth: From 13 ft. to 0 ft.

15. NEAREST SOURCE OF POSSIBLE CONTAMINATION: 200 ft. NE direction
____ Type well disinfected ☐ Yes Type: ____
upon completion ■ No Amount: ____

16. PUMP: Date installed: ____ ■ Not installed
Mfr. Name: ____ Model No.: ____
H.P. ____ Volts ____ Length of drop pipe ____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine
☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

17. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.
Registered Business Name: Froehling & Robertson Date: 6-27-00
Address: 549 Sweeten Creek Rd Asheville NC 28803
Signed: Richard Beaton (Authorized Representative) Cert. No. 870

DHEC 1903 (10/96) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

TERRAINE, inc.
ENVIRONMENTAL SERVICES

MONITORING WELL INSTALLATION REPORT

INSTALLATION METHOD

DRILLING COMPANY: Froehling & Robertson, Inc.
EQUIPMENT: Mobile B-53
AUGER SIZE (SOIL): 8" OD Hollow Stem
BIT SIZE (ROCK): N/A
DRILLING FLUID (SOIL): None
DRILLING FLUID (ROCK): N/A
DRILLER:
HELPER:

PROJECT NUMBER: 52953
PROJECT NAME: Fast Point #24 Rapid Assessment
FACILITY ID NO.:
PROJECT LOCATION: Columbia SC
WELL IDENTIFICATION #: MW-01
WELL LOCATION: See Site Map
DRILLING DATE/TIME: start: 03/30/99 / 00:00
finish: 03/30/99 / 00:00
LOGGED BY: EAC Teddy Chapman

DIMENSIONS (ft)

L1	14.00
L2	2.00
L3	12.00
L4	18.00
L5	10.00
L6	28.00

ELEVATIONS (ft msl)

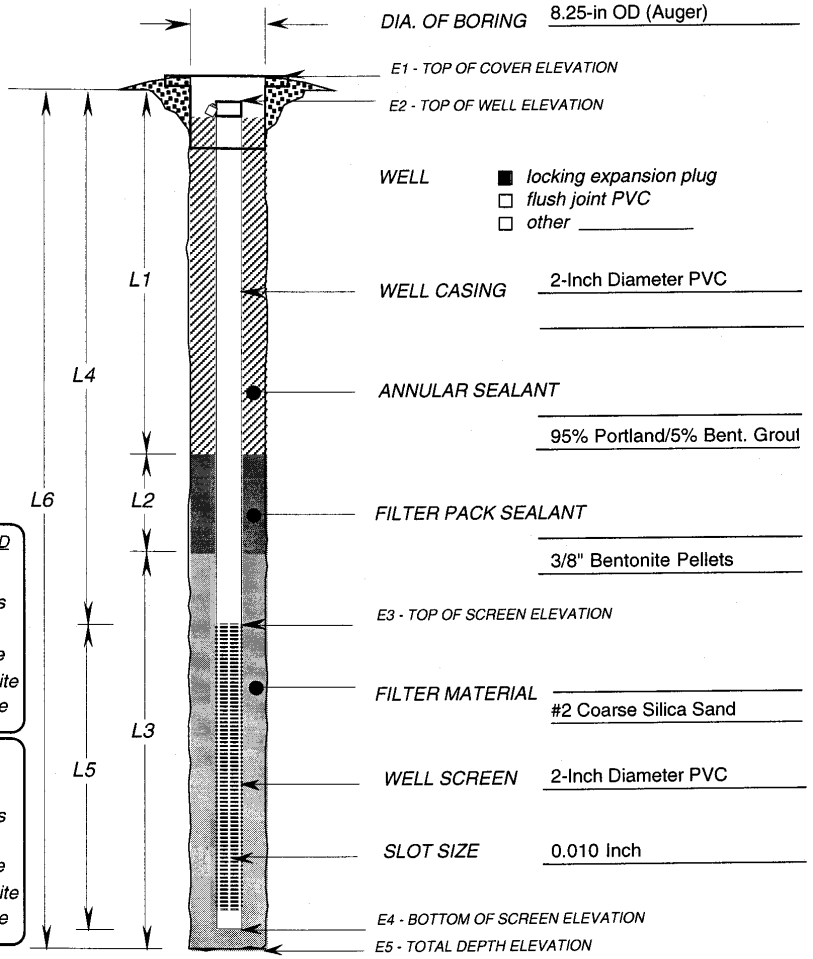
E1	0.00
E2	288.34
E3	-18.00
E4	-28.00
E5	-28.00

CALCULATED MATERIALS NEEDED

3.2	100 # bags filter material
1	bucket(s) bentonite pellets
4.4	94# bags cement
0.0	pounds granular bentonite
0.0	pounds powdered bentonite
2.0	80# bags concrete/sakrete

ACTUAL MATERIALS USED

0.00	100 # bags filter material
0.00	bucket(s) bentonite pellets
0.00	94# bags cement
0.00	pounds granular bentonite
0.00	pounds powdered bentonite
0.00	80# bags concrete/sakrete



DIA. OF BORING: 8.25-in OD (Auger)
E1 - TOP OF COVER ELEVATION
E2 - TOP OF WELL ELEVATION
WELL
■ locking expansion plug
□ flush joint PVC
□ other
WELL CASING: 2-Inch Diameter PVC
ANNULAR SEALANT
95% Portland/5% Bent. Grout
FILTER PACK SEALANT
3/8" Bentonite Pellets
E3 - TOP OF SCREEN ELEVATION
FILTER MATERIAL
#2 Coarse Silica Sand
WELL SCREEN: 2-Inch Diameter PVC
SLOT SIZE: 0.010 Inch
E4 - BOTTOM OF SCREEN ELEVATION
E5 - TOTAL DEPTH ELEVATION

NOT TO SCALE

TERRAINE, inc.
ENVIRONMENTAL SERVICES

MONITORING WELL INSTALLATION REPORT

INSTALLATION METHOD

DRILLING COMPANY: Froehling & Robertson, Inc.
EQUIPMENT: Mobile B-53
AUGER SIZE (SOIL): 8" OD Hollow Stem
BIT SIZE (ROCK): N/A
DRILLING FLUID (SOIL): None
DRILLING FLUID (ROCK): N/A
DRILLER:
HELPER:

PROJECT NUMBER: 52953
PROJECT NAME: Fast Point #24 Rapid Assessment
FACILITY ID NO.:
PROJECT LOCATION: Columbia SC
WELL IDENTIFICATION #: MW-02
WELL LOCATION: See Site Map
DRILLING DATE/TIME: start: 03/31/99 / 00:00
finish: 03/31/99 / 00:00
LOGGED BY: EAC Teddy Chapman

DIMENSIONS (ft)

L1	11.00
L2	2.00
L3	12.00
L4	15.00
L5	10.00
L6	25.00

ELEVATIONS (ft msl)

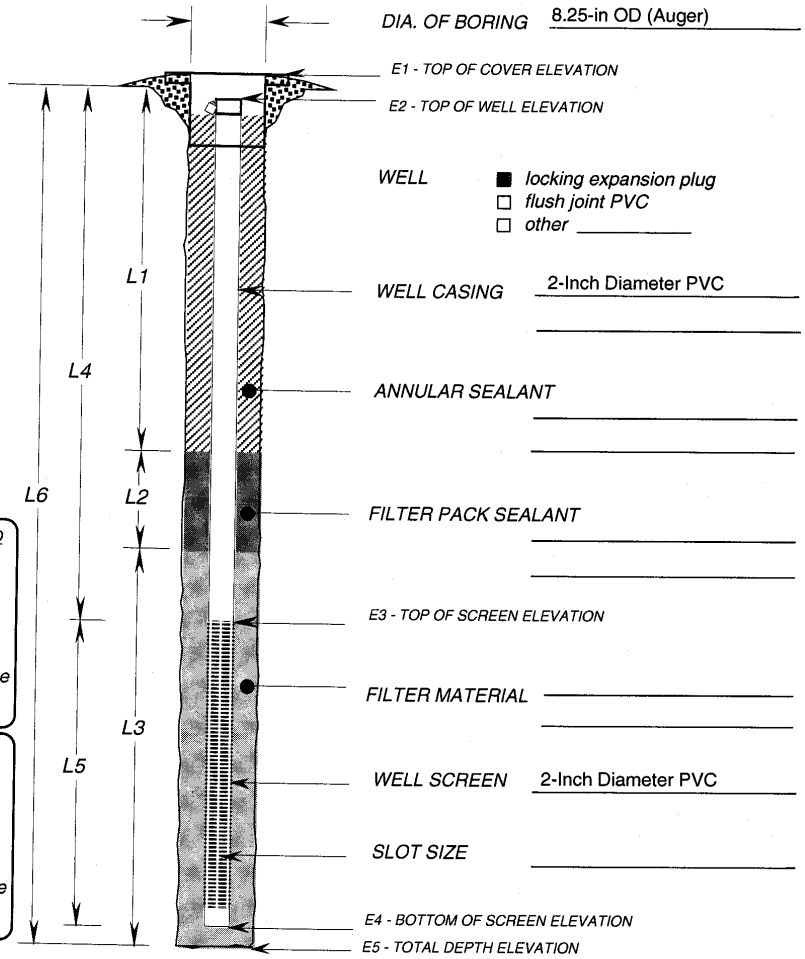
E1	0.00
E2	288.78
E3	-15.00
E4	-25.00
E5	-25.00

CALCULATED MATERIALS NEEDED

3.2 100 # bags filter material
1 bucket(s) bentonite pellets
3.4 94# bags cement
0.0 pounds granular bentonite
0.0 pounds powdered bentonite
2.0 80# bags concrete/sakrete

ACTUAL MATERIALS USED

0.00 100 # bags filter material
0.00 bucket(s) bentonite pellets
0.00 94# bags cement
0.00 pounds granular bentonite
0.00 pounds powdered bentonite
0.00 80# bags concrete/sakrete



DIA. OF BORING 8.25-in OD (Auger)
E1 - TOP OF COVER ELEVATION
E2 - TOP OF WELL ELEVATION
WELL ■ locking expansion plug ☐ flush joint PVC ☐ other
WELL CASING 2-Inch Diameter PVC
ANNULAR SEALANT
FILTER PACK SEALANT
E3 - TOP OF SCREEN ELEVATION
FILTER MATERIAL
WELL SCREEN 2-Inch Diameter PVC
SLOT SIZE
E4 - BOTTOM OF SCREEN ELEVATION
E5 - TOTAL DEPTH ELEVATION

NOT TO SCALE

TERRAINE, inc.
ENVIRONMENTAL SERVICES

MONITORING WELL INSTALLATION REPORT

INSTALLATION METHOD

DRILLING COMPANY: Froehling & Robertson, Inc.
EQUIPMENT: Mobile B-53
AUGER SIZE (SOIL): 8" OD Hollow Stem
BIT SIZE (ROCK): N/A
DRILLING FLUID (SOIL): None
DRILLING FLUID (ROCK): N/A
DRILLER:
HELPER:

PROJECT NUMBER: 52953
PROJECT NAME: Fast Point #24 Rapid Assessment
FACILITY ID NO.:
PROJECT LOCATION: Columbia SC
WELL IDENTIFICATION #: MW-03
WELL LOCATION: See Site Map
DRILLING DATE/TIME: start: 03/31/99 / 00:00
finish: 03/31/99 / 00:00
LOGGED BY: EAC Teddy Chapman

DIMENSIONS (ft)

L1	16.00
L2	2.00
L3	12.00
L4	20.00
L5	10.00
L6	30.00

ELEVATIONS (ft msl)

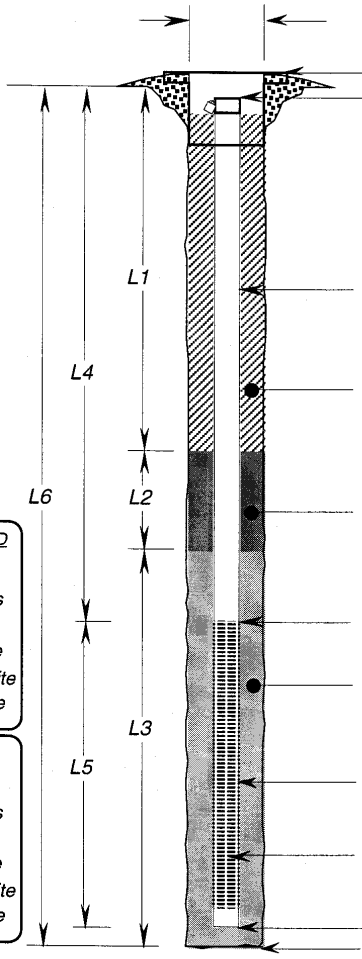
E1	0.00
E2	297.11
E3	-20.00
E4	-30.00
E5	-30.00

CALCULATED MATERIALS NEEDED

3.2	100 # bags filter material
1	bucket(s) bentonite pellets
5.0	94# bags cement
0.0	pounds granular bentonite
0.0	pounds powdered bentonite
2.0	80# bags concrete/sakrete

ACTUAL MATERIALS USED

0.00	100 # bags filter material
0.00	bucket(s) bentonite pellets
0.00	94# bags cement
0.00	pounds granular bentonite
0.00	pounds powdered bentonite
0.00	80# bags concrete/sakrete



DIA. OF BORING 8.25-in OD (Auger)
E1 - TOP OF COVER ELEVATION
E2 - TOP OF WELL ELEVATION
WELL ■ locking expansion plug □ flush joint PVC □ other
WELL CASING 2-Inch Diameter PVC
ANNULAR SEALANT
95% Portland/5% Bent. Grout
FILTER PACK SEALANT
3/8" Bentonite Pellets
E3 - TOP OF SCREEN ELEVATION
FILTER MATERIAL
#2 Coarse Silica Sand
WELL SCREEN 2-Inch Diameter PVC
SLOT SIZE 0.010 Inch
E4 - BOTTOM OF SCREEN ELEVATION
E5 - TOTAL DEPTH ELEVATION

NOT TO SCALE

TERRAINE, inc.
ENVIRONMENTAL SERVICES

MONITORING WELL INSTALLATION REPORT

INSTALLATION METHOD

DRILLING COMPANY: Froehling & Robertson, Inc.
EQUIPMENT: Mobile B-53
AUGER SIZE (SOIL): 8" OD Hollow Stem
BIT SIZE (ROCK): N/A
DRILLING FLUID (SOIL): None
DRILLING FLUID (ROCK): N/A
DRILLER:
HELPER:

PROJECT NUMBER: 52953
PROJECT NAME: Fast Point #24 Rapid Assessment
FACILITY ID NO.:
PROJECT LOCATION: Columbia SC
WELL IDENTIFICATION #: MW-04
WELL LOCATION: See Site Map
DRILLING DATE/TIME: start: 04/02/99 / 00:00
finish: 04/02/99 / 00:00
LOGGED BY: EAC Teddy Chapman

DIMENSIONS (ft)

L1	11.00
L2	2.00
L3	12.00
L4	15.00
L5	10.00
L6	25.00

ELEVATIONS (ft msl)

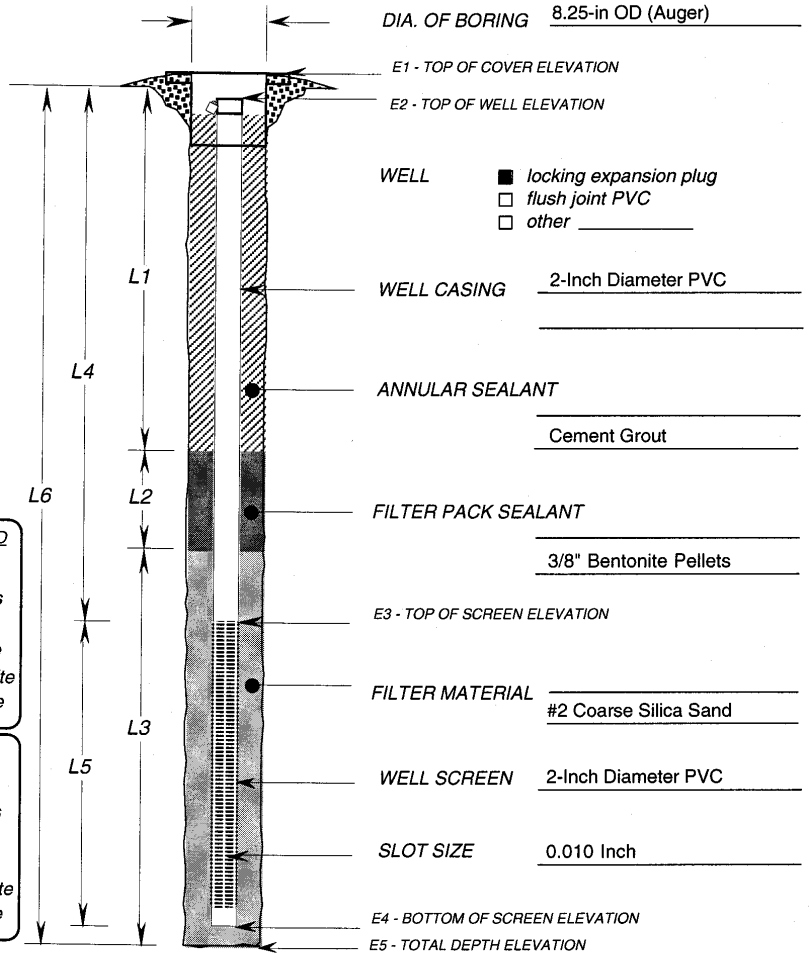
E1	0.00
E2	294.72
E3	-15.00
E4	-25.00
E5	-25.00

CALCULATED MATERIALS NEEDED

3.2	100 # bags filter material
1	bucket(s) bentonite pellets
3.4	94# bags cement
0.0	pounds granular bentonite
0.0	pounds powdered bentonite
2.0	80# bags concrete/sakrete

ACTUAL MATERIALS USED

0.00	100 # bags filter material
0.00	bucket(s) bentonite pellets
0.00	94# bags cement
0.00	pounds granular bentonite
0.00	pounds powdered bentonite
0.00	80# bags concrete/sakrete



DIA. OF BORING: 8.25-in OD (Auger)
E1 - TOP OF COVER ELEVATION
E2 - TOP OF WELL ELEVATION
WELL: ■ locking expansion plug; □ flush joint PVC; □ other
WELL CASING: 2-Inch Diameter PVC
ANNULAR SEALANT: Cement Grout
FILTER PACK SEALANT: 3/8" Bentonite Pellets
E3 - TOP OF SCREEN ELEVATION
FILTER MATERIAL: #2 Coarse Silica Sand
WELL SCREEN: 2-Inch Diameter PVC
SLOT SIZE: 0.010 Inch
E4 - BOTTOM OF SCREEN ELEVATION
E5 - TOTAL DEPTH ELEVATION

NOT TO SCALE

TERRAINE, inc.
ENVIRONMENTAL SERVICES

MONITORING WELL INSTALLATION REPORT

INSTALLATION METHOD

DRILLING COMPANY: Froehling & Robertson, Inc.
EQUIPMENT: Mobile B-53
AUGER SIZE (SOIL): 8" OD Hollow Stem
BIT SIZE (ROCK): N/A
DRILLING FLUID (SOIL): None
DRILLING FLUID (ROCK): N/A
DRILLER:
HELPER:

PROJECT NUMBER: 52953
PROJECT NAME: Fast Point #24 Rapid Assessment
FACILITY ID NO.:
PROJECT LOCATION: Columbia SC
WELL IDENTIFICATION #: MW-05
WELL LOCATION: See Site Map
DRILLING DATE/TIME: start: 04/05/99 / 00:00
finish: 04/05/99 / 00:00
LOGGED BY: EAC Teddy Chapman

DIMENSIONS (ft)

L1	14.00
L2	2.00
L3	12.00
L4	18.00
L5	10.00
L6	28.00

ELEVATIONS (ft msl)

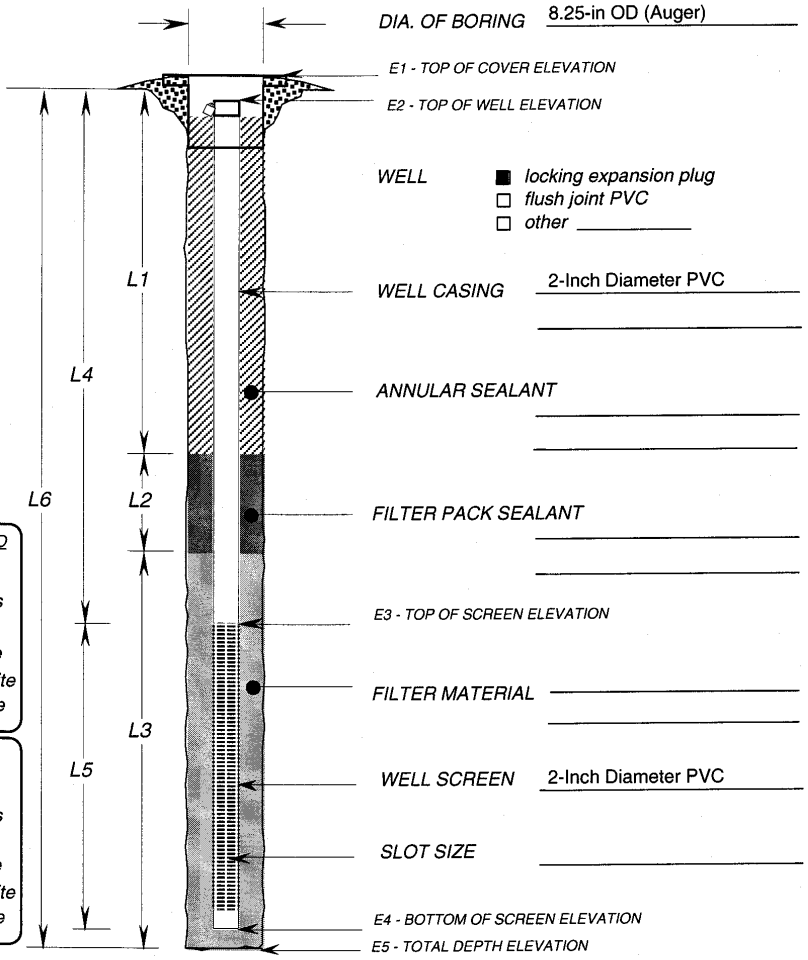
E1	0.00
E2	295.07
E3	-18.00
E4	-28.00
E5	-28.00

CALCULATED MATERIALS NEEDED

3.2	100 # bags filter material
1	bucket(s) bentonite pellets
4.4	94# bags cement
0.0	pounds granular bentonite
0.0	pounds powdered bentonite
2.0	80# bags concrete/sakrete

ACTUAL MATERIALS USED

0.00	100 # bags filter material
0.00	bucket(s) bentonite pellets
0.00	94# bags cement
0.00	pounds granular bentonite
0.00	pounds powdered bentonite
0.00	80# bags concrete/sakrete



NOT TO SCALE

TERRAINE, inc.
ENVIRONMENTAL SERVICES

MONITORING WELL INSTALLATION REPORT

INSTALLATION METHOD

DRILLING COMPANY: Froehling & Robertson, Inc.
EQUIPMENT: Mobile B-53
AUGER SIZE (SOIL): 8" OD Hollow Stem
BIT SIZE (ROCK): N/A
DRILLING FLUID (SOIL): None
DRILLING FLUID (ROCK): N/A
DRILLER:
HELPER:

PROJECT NUMBER: 52953
PROJECT NAME: Fast Point #24 Rapid Assessment
FACILITY ID NO.:
PROJECT LOCATION: Columbia SC
WELL IDENTIFICATION #: MW-06
WELL LOCATION: See Site Map
DRILLING DATE/TIME: start: 04/05/99 / 00:00
finish: 04/05/99 / 00:00
LOGGED BY: EAC Teddy Chapman

DIMENSIONS (ft)

L1	11.00
L2	2.00
L3	12.00
L4	15.00
L5	10.00
L6	25.00

ELEVATIONS (ft msl)

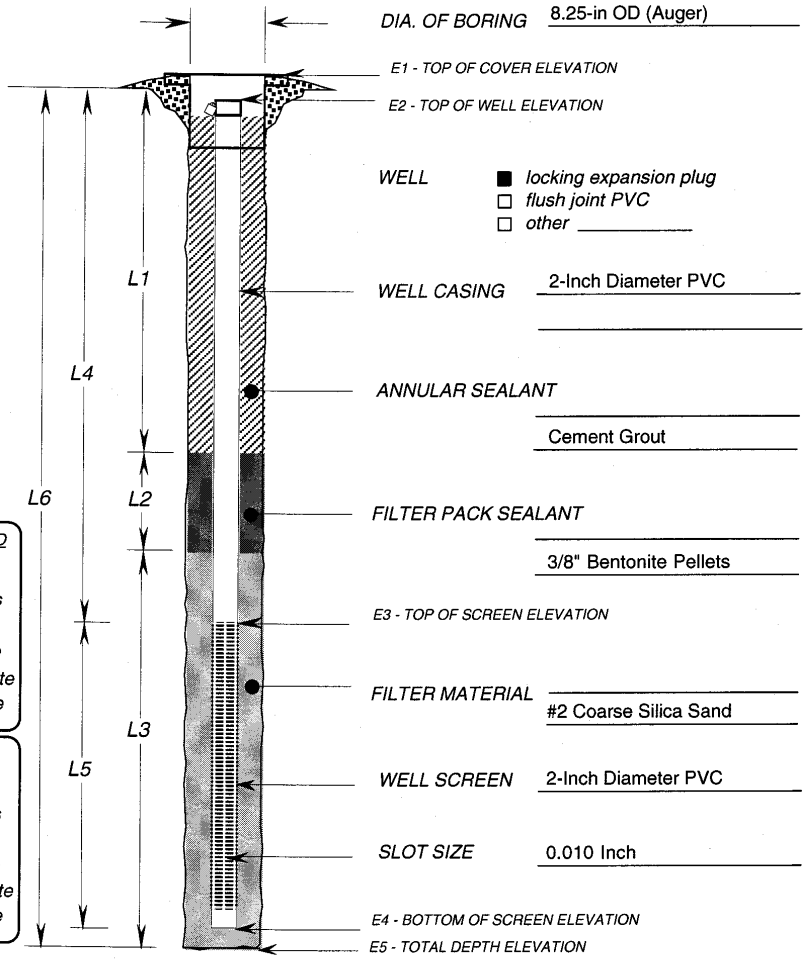
E1	0.00
E2	290.45
E3	-15.00
E4	-25.00
E5	-25.00

CALCULATED MATERIALS NEEDED

3.2	100 # bags filter material
1	bucket(s) bentonite pellets
3.4	94# bags cement
0.0	pounds granular bentonite
0.0	pounds powdered bentonite
2.0	80# bags concrete/sakrete

ACTUAL MATERIALS USED

0.00	100 # bags filter material
0.00	bucket(s) bentonite pellets
0.00	94# bags cement
0.00	pounds granular bentonite
0.00	pounds powdered bentonite
0.00	80# bags concrete/sakrete



DIA. OF BORING: 8.25-in OD (Auger)
E1 - TOP OF COVER ELEVATION
E2 - TOP OF WELL ELEVATION
WELL: ■ locking expansion plug ☐ flush joint PVC ☐ other
WELL CASING: 2-Inch Diameter PVC
ANNULAR SEALANT: Cement Grout
FILTER PACK SEALANT: 3/8" Bentonite Pellets
E3 - TOP OF SCREEN ELEVATION
FILTER MATERIAL: #2 Coarse Silica Sand
WELL SCREEN: 2-Inch Diameter PVC
SLOT SIZE: 0.010 Inch
E4 - BOTTOM OF SCREEN ELEVATION
E5 - TOTAL DEPTH ELEVATION

NOT TO SCALE

Appendix C

- Laboratory Data

Fastpoint #24
2367 Taylor Street
Columbia, SC
ID # 07584

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date(mm/dd/yy) 05-11-00
Field Personnel Michael Pressley
General Weather Conditions Clear, Sunny
Ambient Air Temperature 31 °C

Facility Name Fastpoint #24 Site ID# 07584

Quality Assurance:

pH Meter:
serial no.
pH=4.0
pH=7.0
pH=10.0

Conductivity Meter
serial no.
Standard
Standard
Standard

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time
Michael Pressley	5-12-00/12:00	Kathryn Wing	5-12-00/12:00

Well # MW-1a

Well Diameter(D) 2 inch or ___ feet
conversion factor(C): 3.143*(D/2)^2
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth(TWD) 28.0 ft.
Depth to GW (DGW) 18.34 ft.

Length of Water Column(LWC=TWD-DGW) 9.66 ft.

1 Csg. Volume(LWC * C) = 9.66 X .163 = 1.57 gals.
3 Csg. Volumes = 3 X 1.57 = 4.72 gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling 4.75 gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)		.75	.85	1.0	1.15	1.0		
Time (military)		14:25	14:39	14:43	14:47	14:50		
pH (s.u.)		3.98	4.12	4.25	4.26	4.32		
Specific Cond. (umhos/cm)		189	172	171	168	170		
Water Temp (°C)		32.3	27.1	27.8	27.5	27.7		
Turbidity (*)		2	3	3	3	3		
PID Readings								

* subjective (1) None (2) Faint (3) Moderate (4) Strong

Remarks Dissolved Oxygen 5.0 %

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date(mm/dd/yy) 05-11-00
Field Personnel Michael Pressley
General Weather Conditions Clear, Sunny
Ambient Air Temperature 31 °C

Facility Name Eastpoint #24 Site ID# 07584

Quality Assurance:

pH Meter:
serial no.
pH=4.0 Standard
pH=7.0 Standard
pH=10.0 Standard

Conductivity Meter
serial no.
Standard
Standard
Standard

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time
Michael Pressley	5-12-00/12:00	Kathryn Wing	5-12-00/12:00

Well # MW-2

Well Diameter(D) 2 inch or ___ feet
conversion factor(C): 3.143*(D/2)^2
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth(TWD) 25 ft.
Depth to GW (DGW) 18.55 ft.

Length of Water Column(LWC=TWD-DGW) 6.45 ft.

1 Csg. Volume(LWC * C) = 6.45 X .163 = 1.05 gals.
3 Csg. Volumes = 3 X 1.05 = 3.15 gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling 3.10 gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)		.75	.75	.85	.75			
Time (military)		14:05	14:10	14:13	14:16			
pH (s.u.)		3.81	4.01	4.08	4.10			
Specific Cond. (umhos/cm)		197	181	178	180			
Water Temp (°C)		41.5	31.7	28.0	26.7			
Turbidity (*)		3	4	4	4			
PID Readings								

* subjective (1) None (2) Faint (3) Moderate (4) Strong

Remarks Dissolved Oxygen 19.0%

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date(mm/dd/yy) 5-11-00
Field Personnel Michael Pressley
General Weather Conditions Clear, Sunny
Ambient Air Temperature 31 °C

Facility Name Eastpoint #24 Site ID# 07584

Quality Assurance:

pH Meter:
serial no.
pH=4.0
pH=7.0
pH=10.0

Conductivity Meter
serial no.
Standard
Standard
Standard

Chain of Custody

Relinquished by	Date /Time	Received by	Date/Time
Michael Pressley	5-12-00/12:00	Kathryn Wing	5-12-00/12:00

Well # MW-4a

Well Diameter(D) 2 inch or ___ feet
conversion factor(C): 3.143*(D/2)^2
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth(TWD) 25 ft.
Depth to GW (DGW) 22.08 ft.

Length of Water Column(LWC=TWD-DGW) 2.92 ft.

1 Csg. Volume(LWC * C) = 2.92 X .163 = .48 gals.
3 Csg. Volumes = 3 X .48 = 1.42 gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling 1.50 gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)		.25	.25	.25	.20	.30	.25	
Time (military)		12:00	12:03	12:06	12:10	12:12	12:15	
pH (s.u.)		3.81	3.87	4.02	4.04	4.05	4.07	
Specific Cond. (umhos/cm)		191	188	184	179	183	178	
Water Temp (°C)		36.2	35.6	30.3	28.2	28.8	28.1	
Turbidity (*)		2	4	4	4	4	4	
PID Readings								

* subjective (1) None (2) Faint (3) Moderate (4) Strong

Remarks Dissolved Oxygen 14.5%

Blue Ridge Labs, Inc.

P. O. Box 2940
Lenoir, N.C. 28645
Telephone (828) 728-0149 Fax (828) 728-0131

CHAIN OF CUSTODY RECORD

NPDS Reporting ___ Groundwater ___ Sanitary Landfill ___ Hazardous Waste ___ Industrial or QC ___ Non State Reporting ___

REPORT TO: Kimbrell & Associates BILL TO: Same

4405 Raynham Dr.
Charlotte, NC 28262

PROJECT NAME or NUMBER: 40010

PO # :

Sample ID	FIELD Sample Type	Collection Date	Collection Time & Tem HR:MM °C	Res Chlor Field Check Yes	Res Chlor Field Check No	Field Dechlor Yes	Field Dechlor No	LAB Preservatives pH	LAB Preservatives Res Cl P or A	LAB Preservatives Temp. °C	Lab Check	Sampler Initials	Requested Analysis
SB-2	Soil	7-18								3.7			TOC

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Eric A Cyr	7-20	10:00		7/21/98	13:15

Page ____ of ____

REV. 5/5/98

Upon submission of samples, buyer agrees that invoices are due at the time work is completed. Open accounts are due 20 days following the invoice date. A finance charge of 1.5 % per month will be imposed on all past-due accounts. When relinquishing samples to Blue Ridge Labs, buyer authorizes Blue Ridge Labs to perform only the analysis indicated above and also agrees to pay collection and attorneys fees if the account becomes delinquent. BRL reserves the right to deny all QA/QC documentation for any work where payment has not been made. Without payment, BRL owns all the documentation and reserves the right to notify any governmental agency, local, state or federal that there will be no QA/QC support for the data. BRL also does not guarantee that any work submitted will be accepted by any regulatory authority, therefore, it is the clients' responsibility to verify the required tests with the appropriate regulatory agency. All work for state reporting is under the jurisdiction of the Laboratory Section of NC DENR.

952

PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 QUOTE #

449 Springbrook Road ▲ Charlotte, NC 28217
P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Fax: 704/525-0409

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE? Temp 2.4	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

PRESS DOWN FIRMLY - 3 COPIES

Client TERRAINE, INC.
Physical Address 600 Towne Centre Blvd
Pineville NC 28134
Phone 889 0004 Fax 889 0006
P.O.#/Billing Reference #52953
Project Name East point #24

REPORT TO: Name Michael Pressley
Address
BILL TO: Name
Address
Requested Due Date

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

State Certification
Requested NC ___ SC ✓ Other ___ NA ___
Water Chlorinated Yes ___ No ___ NA ___
Sample Iced Upon Collection Yes ___ No ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSES REQUESTED BTEX Naph. MTBE	Nitrates	Sulfate	Methanol Iron	Lead	RCRA	PAH	REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
MW-1a	5-11-00	14:50	Water	VOA	8	40ml	HCL	X	X	X	X	X		X			65008
MW-2a		14:15			8		ANDS	X	X	X	X	X		X			65009
MW-4a		12:20			9		NONE	X	X	X	X	X	X	X			65010
MW-6a		16:40			8			X	X	X	X	X		X			65011

Sampler's Signature Michael Pressley Sampled By (Print Name) Michael Pressley Affiliation TERRAINE, INC.

Relinquished By: (Signature) Michael Pressley	Received By: (Signature)	Date	Military/Hours
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By: Kathryn Wing	Date 5/12/00	12:00
Method of Shipment		Log-In Group No. 91874	

Additional Comments
PLEASE FAX RESULTS

NPDES NC ___ SC ___ OTHER ___ UST: NC ___ SC ___ OTHER ___ GROUNDWATER: NC ___ SC X OTHER ___ DRINKING WATER: NC ___ SC ___ OTHER ___ SOLID WASTE: NC ___ SC ___ OTHER ___ OTHER: NC ___ SC ___ OTHER ___

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

SEE REVERSE FOR TERMS & CONDITIONS

FINAL REPORT COPY

Appendix D

- Aquifer Calculations

D H E C
PROMOTE PROTECT PROSPER

Summary of Slug Test
Division of Underground Storage Tank Management

Site Data

UST Permit #: _____ County: Richland

Facility Name: Eastpoint #24

Slug Data

See Appendix D Table _____ Figure _____ for a list of all data measurements. [water level logs, etc. (complete as appropriate)].

Water Level Recovery Data was measured by Water Level Meter
[Hermit Data Logger, Manually with Water Level Indicator, etc. (list method)].

Complete the following table for each well tested.

COMPLETE A SECOND SHEET IF MORE THAN FOUR WELLS ARE TESTED

Slug Test Conducted in Well(s) Number	MW-2a	MW-5a		
Initial Rise/Drawdown in Well (feet)	18.12	22.01		
Radius of Well Casing (feet)	.08	.08		
Effective Radius of Well (feet)	.33	.33		
Static Saturated Aquifer Thickness (feet)	28	28		
Length of Well Screen (feet)	10	10		
Static Height of Water Column in Well (ft)	10	6		

Calculations

See Appendix D Table _____ Figure _____ for calculations (complete as appropriate).

The method for aquifer calculations was Bouwer-Rice (i.e. Bouwer-Rice, Cooper, etc.).

Calculated values by well were as follows:

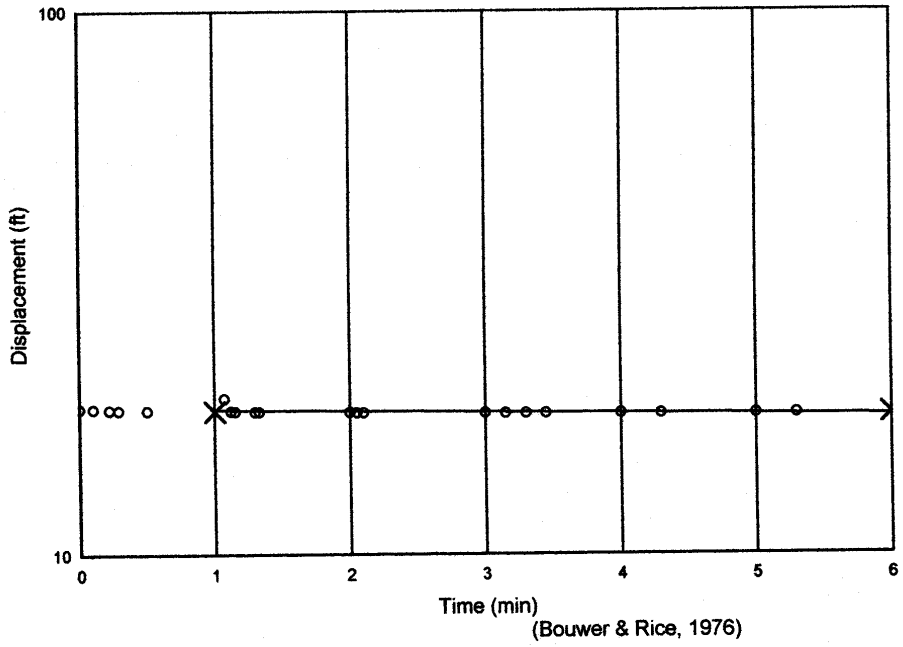
Slug Test Conducted in Well(s) Number	MW-2a	MW-5a	
Hydraulic Conductivity	1.91x10-6	5.60x10-7 cm/sec	

Thickness of the aquifer used to calculate hydraulic conductivity was 28.0 feet.

The aquifer is _____ confined _____ semi-confined X water table (check as appropriate).

The estimated seepage velocity is 0.012 to 0.040 feet per year based on a hydraulic conductivity of 1.91x10-6 to 5.60x10-7, a hydraulic gradient of .007 ft/ft, and a porosity of 35 percent for clayey sand soil (list type i.e., silty sand ,clay, etc).

Rising Head Slug Test
Fastpoint #24 MW-2a



(Bouwer & Rice, 1976)

Rising head test

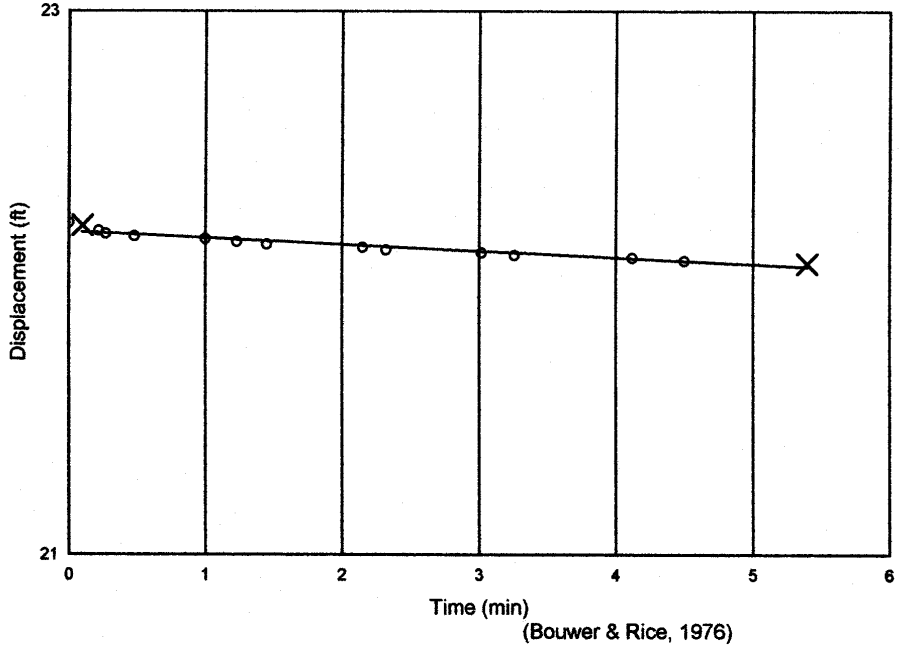
INPUT PARAMETERS
Raw data time unit is min
Raw data length unit is ft
b = 28.00 ft
H = 10.00 ft
L = 10.00 ft
rw = 0.33 ft
rc = 0.08 ft

CALCULATED PARAMETERS
Corr. coeff. = -5.30E-001
Yt = 18.37 ft
t = 2.10E+000 min

OUTPUT PARAMETERS
K = 1.91E-006 cm/sec

Fastpoint #24, Columbia, SC							
Rising Head Slug Test							
MW-2a							
Date: 5-18-99							
				Selected	Selected	Rescaled	
				Time	Draw	(t-t0)	Draw
Time (min.)				(min)	(ft)	(min)	(ft)
0.05	19.1			0.05	19.1	0	19.1
0.2	18.95			0.2	18.95	0.15	18.95
0.31	18.8			0.31	18.8	0.26	18.8
0.36	18.75			0.36	18.75	0.31	18.75
0.48	18.72			0.48	18.72	0.43	18.72
0.5	18.63			0.5	18.63	0.45	18.63
1	18.58			1	18.58	0.95	18.58
1.1	18.55			1.1	18.55	1.05	18.55
1.22	18.5			1.22	18.5	1.17	18.5
1.29	18.45			1.29	18.45	1.24	18.45
1.5	18.43			1.5	18.43	1.45	18.43
2	18.4			2	18.4	1.95	18.4
2.07	19.39			2.07	19.39	2.02	19.39
2.12	18.38			2.12	18.38	2.07	18.38
2.15	18.35			2.15	18.35	2.1	18.35
2.3	18.33			2.3	18.33	2.25	18.33
2.33	18.32			2.33	18.32	2.28	18.32
3	18.29			3	18.29	2.95	18.29
3.05	18.27			3.05	18.27	3	18.27
3.1	18.26			3.1	18.26	3.05	18.26
4	18.22			4	18.22	3.95	18.22
4.15	18.2			4.15	18.2	4.1	18.2
4.3	18.19			4.3	18.19	4.25	18.19
4.45	18.18			4.45	18.18	4.4	18.18
5	18.18			5	18.18	4.95	18.18
5.3	18.16			5.3	18.16	5.25	18.16
6	18.15			6	18.15	5.95	18.15
6.3	18.15			6.3	18.15	6.25	18.15
7	18.15			7	18.15	6.95	18.15

Rising Head Slug Test
Fastpoint #24 MW-5a



(Bouwer & Rice, 1976)

Rising head test

INPUT PARAMETERS
Raw data time unit is min
Raw data length unit is ft
b = 28.00 ft
H = 6.00 ft
L = 6.00 ft
rw = 0.33 ft
rc = 0.08 ft

CALCULATED PARAMETERS
Corr. coeff. = -9.71E-001
Yt = 22.13 ft
t = 1.45E+000 min

OUTPUT PARAMETERS
K = 5.60E-007 cm/sec

Fastpoint #24, Columbia, SC							
Rising Head Slug Test							
MW-5a							
Date: 5-18-99				Selected	Selected	Rescaled	
				Time	Draw	(t-t0)	Draw
Time	Draw			(min)	(ft)	(min)	(ft)
0.37	22.25			0.37	22.25	0	22.2
0.49	22.24			0.49	22.24	0.1	22.19
0.55	22.21			0.55	22.21	0.22	22.17
1	22.2			1	22.2	0.27	22.16
1.1	22.19			1.1	22.19	0.48	22.15
1.22	22.17			1.22	22.17	1	22.14
1.27	22.16			1.27	22.16	1.23	22.13
1.48	22.15			1.48	22.15	1.45	22.12
2	22.14			2	22.14	2.15	22.11
2.23	22.13			2.23	22.13	2.32	22.1
2.45	22.12			2.45	22.12	3.02	22.09
3.15	22.11			3.15	22.11	3.26	22.08
3.32	22.1			3.32	22.1	4.12	22.07
4.02	22.09			4.02	22.09	4.5	22.06
4.26	22.08			4.26	22.08	5.4	22.05
5.12	22.07			5.12	22.07		
5.5	22.06			5.5	22.06		
6.4	22.05			6.4	22.05		

Appendix E

- Soil and water disposal manifests

Fastpoint #24
2367 Taylor Street
Columbia, SC
ID # 07584

SPECTRUM-NATIONWIDE ENVIRONMENTAL, INC.
SPECIAL TRANSPORTATION MANIFEST No. 02718

GENERATOR INFORMATION

Generator Acme, Inc. **Project #** _____

P.O. Box 21698 **Phone** 704-867-7281

Gastonia, NC 28054 **Contact** P. Overton

Shipment origination Handy Pantry #165, Columbia

I certify that the materials being shipped under this special transportation manifest are properly described, classified, packaged, marked, labeled and are in proper condition for transport in commerce under the applicable regulations of the state, U.S. Department of Transportation, and the U.S. Environmental Protection Agency. I further certify that this material is not a "hazardous waste", and has been delivered to the transporter below, for shipment as indicated on this manifest document.

Generator Signature: _____ **Date:** 7-6-99

Material Description	Contaminant	Container	Total Quantity	Unit
1) RCRA non-hazardous petroleum contaminated soil cuttings	gasoline	drum	10	55gal.
2)				

TRANSPORTER INFORMATION

Spectrum-Nationwide Environmental, Inc. EPA # NCD986172435
P.O. Box 7351 24 hr Emergency Phone: 704-334-2164
Charlotte, NC 28241 Toll Free 800-383-0332 pager: 704-346-5451

As the transporter, I certify that the materials described above being shipped under this special transportation manifest are properly classified, packaged, labeled, secured and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designated.

Transporter Signature: _____ **Date:** 7-6-99

FACILITY INFORMATION

The transporter will deliver the materials described above to one or more of the facilities listed below for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

___ **Cunningham Brick Co., Route 2 Cunningham Brick Road Thomasville, NC 27360**
Disposal via incineration and land Application **manifest number**_____

___ **A and D Environmental and Industrial Services, P.O. Box 484, High Point, NC 27262**
Disposal via landfill **manifest number**_____

___ **Haz-Mat Transportation and Disposal, P.O. Box 37392, Charlotte, NC 28237**
Disposal via fuels blending program **manifest number**_____

✓ **Other** BFI/CMS Landfill, 5105 Morehead Rd.
Harrisburg, NC 28075 **manifest number** 60752

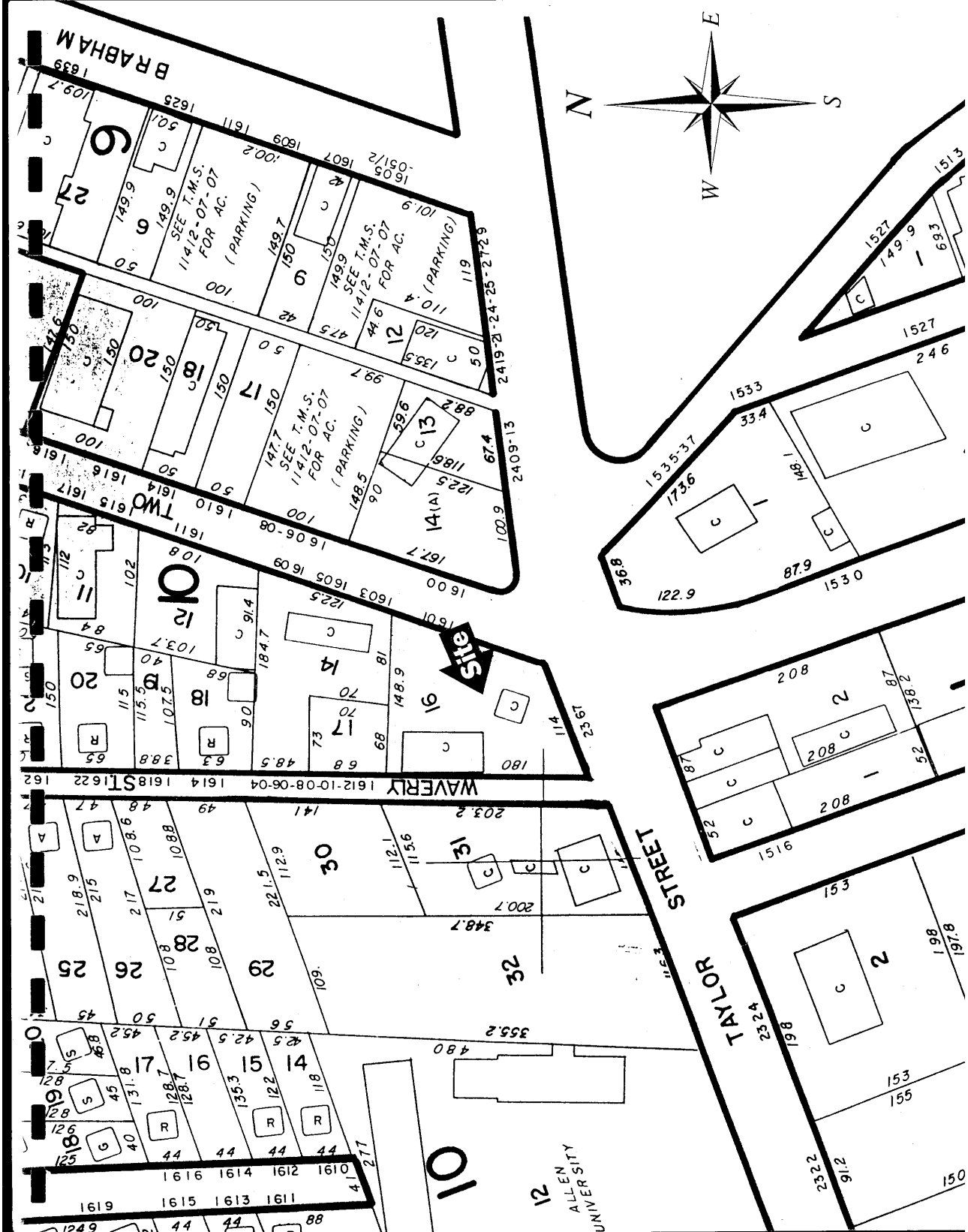
Appendix E

- Soil and water disposal manifests

Fastpoint #24
2367 Taylor Street
Columbia, SC
ID # 07584

Appendix E

- Tax map and parcel information


BRABHAM
TWO
WAVERLY ST.
TAYLOR STREET
ALLEN UNIVERSITY
Site
N
E
S
W

* Subject Site

```
RVIEWT361791JAN0499  9901
              R E A L    P R O P E R T Y    V I E W    S C R E E N
   ACCT: R11412-10-16                    OWNER: FAST POINT FOOD STORES INC
    KEY: 00312389      YEAR: 1998               2811 REIDVILLE RD
 PARENT:                                        SUITE 11
  ACRES:
  LEGAL: 143.2X114X180X148.9                    SPARTANBURG          SC  29301 0000
         #SU                                LOC:       2369     TAYLOR ST
         #PR                                TAXDIST: 1CC  NBHD: C3A.00  ZNG: C-3
         #OM 0126-05-12
            VALUES      ASSMTS   RENTAL%   PROPERTY CLASSIFICATION
   LAND:      106200        6370       %    PCA CODE: 2    ALL OTHER CLASS
   BLDG:       58500        3510       %
   IMPR:       19200        1150       %    EXEMPTIONS:
 MARKET:      183900       11030            HOMESTEAD YEAR/NUMBER:      -
 AG USE:                                    HOMESTEAD PARTIAL PERCENTAGE:     %
TAXABLE:      183900       11030   ADJUSTMENT#:   DATE:             JV#:
  MARKET DATA
SALE DATE: 1994/03/17 REASON FOR CHANGE:
BOOK/PAGE: D1188- 309 ASSESSMENT CHANGE:
INST-WD   QC-4 V/I-I  NOTIFICATION DATE:
PRICE:      325000              FLAGGED?: N                  ACTIVITY: 1994/11/21
 FUNC:          DATA:                                 SUB:            YR: 1998
      MESSAGE:                                                          @
```

RVIEWT361810JAN0499 9901

R E A L P R O P E R T Y V I E W S C R E E N

ACCT: R11411-01-02 OWNER: BUNDRICK JAMES A &
KEY: 00308205 YEAR: 1998 /MARILYN L
PARENT: 217 PALMER DR
ACRES:
LEGAL: LOT 14 & PT LOT 13 LEXINGTON SC 29072 8952
87X208 LOC: 2368 TAYLOR ST
#SU TAXDIST: 1CC NBHD: C3A.00 ZNG: C-3
#PR J-22

	VALUES	ASSMTS	RENTAL%
LAND:	72400	4340	%
BLDG:	43400	2610	%
IMPR:	14400	860	%
MARKET:	130200	7810	
AG USE:			
TAXABLE:	130200	7810	

PROPERTY CLASSIFICATION
PCA CODE: 2 ALL OTHER CLASS

EXEMPTIONS:
HOMESTEAD YEAR/NUMBER: -
HOMESTEAD PARTIAL PERCENTAGE: %
ADJUSTMENT#: DATE: JV#:

MARKET DATA
SALE DATE: 1980/00/00 REASON FOR CHANGE:
BOOK/PAGE: D547 - 507 ASSESSMENT CHANGE:
INST-WD QC- V/I- NOTIFICATION DATE:
PRICE: FLAGGED?: N ACTIVITY: 1998/06/01
FUNC: DATA: SUB: YR: 1998
MESSAGE: @

RVIEWT361792JAN0499 9901

R E A L P R O P E R T Y V I E W S C R E E N

ACCT: R11412-10-17 OWNER: MACCHIAVERNA FRANK R

KEY: 00312398 YEAR: 1998 1201 MAIN ST. SUITE 1980

PARENT: COLUMBIA BLD

ACRES:

LEGAL: 68X68X70X73 COLUMBIA SC 29201 000(

#SU LOC: 1608 WAVERLY ST

#PR 51-3694 TAXDIST: 1CC NBHD: 015.03 ZNG: RG-2

#OM 0126-05-13

	VALUES	ASSMTS	RENTAL%
LAND:	1900	110	%
BLDG:			%
IMPR:			%
MARKET:	1900	110	
AG USE:			
TAXABLE:	1900	110	

PROPERTY CLASSIFICATION

PCA CODE: 2 ALL OTHER CLASS

EXEMPTIONS:

HOMESTEAD YEAR/NUMBER: -

HOMESTEAD PARTIAL PERCENTAGE: %

ADJUSTMENT#: DATE: JV#:

MARKET DATA

SALE DATE: 1986/12/00 REASON FOR CHANGE:

BOOK/PAGE: D822 - 317 ASSESSMENT CHANGE:

INST-WD QC- V/I- NOTIFICATION DATE:

PRICE: FLAGGED?: N ACTIVITY: 0000/00/0(

FUNC: DATA: SUB: YR: 1998

MESSAGE: @

RVIEWT361795JAN0499 9901

R E A L P R O P E R T Y V I E W S C R E E N

ACCT: R11412-10-14 OWNER: MACCHIAVERNA FRANK R
KEY: 00312361 YEAR: 1998 1201 MAIN ST. SUITE 1980
PARENT:
ACRES:
LEGAL: LOT 8 COLUMBIA SC 29201 0000
122.5X81X70X73X48.5X184.7 LOC: 1603-0 TWO NOTCH RD
#OM 0126-05-09 TAXDIST: 1CC NBHD: C3A.00 ZNG: C-3

	VALUES	ASSMTS	RENTAL%
LAND:	45000	2700	%
BLDG:	28900	1730	%
IMPR:			%
MARKET:	73900	4430	
AG USE:			
TAXABLE:	73900	4430	

PROPERTY CLASSIFICATION
PCA CODE: 2 ALL OTHER CLASS

EXEMPTIONS:
HOMESTEAD YEAR/NUMBER: -
HOMESTEAD PARTIAL PERCENTAGE: %
ADJUSTMENT#: DATE: JV#:

MARKET DATA
SALE DATE: REASON FOR CHANGE:
BOOK/PAGE: - ASSESSMENT CHANGE:
INST- QC- V/I- NOTIFICATION DATE:
PRICE: FLAGGED?: N ACTIVITY: 0000/00/00
FUNC: DATA: SUB: YR: 1998
MESSAGE: @

```
RVIEWT361813JAN0499  9901
              R E A L   P R O P E R T Y   V I E W   S C R E E N
  ACCT: R11411-02-02                    OWNER: BOYD WILLIAM L III
   KEY: 00308385     YEAR: 1998                1453 LORENZO DAVIS RD
PARENT:
 ACRES:
 LEGAL: 246X149X223X148                         EASTOVER            SC  29044 9623
        #SU                                LOC:       1527    ONTARIO ST
        #PR                                TAXDIST: 1CC  NBHD: C3A.00  ZNG: C-3
        #OM 0110-05-03
           VALUES     ASSMTS   RENTAL%   PROPERTY CLASSIFICATION
  LAND:      99800       5990      %     PCA CODE: 2    ALL OTHER CLASS
  BLDG:     220200      13210      %
  IMPR:                            %     EXEMPTIONS:
MARKET:     320000      19200            HOMESTEAD YEAR/NUMBER:      -
AG USE:                                  HOMESTEAD PARTIAL PERCENTAGE:     %
TAXABLE:    320000      19200   ADJUSTMENT#:   DATE:              JV#:
  MARKET DATA
SALE DATE:              REASON FOR CHANGE:
BOOK/PAGE:       -      ASSESSMENT CHANGE:
INST-      QC-  V/I-    NOTIFICATION DATE:
PRICE:                          FLAGGED?: N                  ACTIVITY: 1992/06/02
 FUNC:          DATA:                                  SUB:            YR: 1998
      MESSAGE:                                                            @
```

```
RVIEWT361802JAN0499  9901
              R E A L   P R O P E R T Y   V I E W   S C R E E N
  ACCT: R11408-10-31                    OWNER: C & S NATIONAL BANK OF S C
   KEY: 00300524     YEAR: 1998                %REAL ESTATE TAX SERVICES, INC
PARENT:                                        201 E. KENNEDY BLVD
 ACRES:                                        SUITE 700
 LEGAL: 115.4X203.2X115.6X20                   TAMPA                FL  33602 0000
        0.65                              LOC:      2361    TAYLOR ST
        #SU                               TAXDIST: 1CC  NBHD: C3A.00  ZNG: C-3
        #PR
           VALUES     ASSMTS   RENTAL%   PROPERTY CLASSIFICATION
  LAND:      84600       5080      %     PCA CODE: 2    ALL OTHER CLASS
  BLDG:     121800       7300      %
  IMPR:                            %     EXEMPTIONS:
MARKET:     206400      12380            HOMESTEAD YEAR/NUMBER:      -
AG USE:                                  HOMESTEAD PARTIAL PERCENTAGE:    %
TAXABLE:    206400      12380   ADJUSTMENT#:   DATE:              JV#:
 MARKET DATA
SALE DATE:              REASON FOR CHANGE:
BOOK/PAGE:       -      ASSESSMENT CHANGE:
INST-     QC-  V/I-     NOTIFICATION DATE:
PRICE:                          FLAGGED?: N                  ACTIVITY: 1998/03/17
 FUNC:          DATA:                                  SUB:            YR: 1998
     MESSAGE:                                                              @
```

```
RVIEWT361812JAN0499  9901
              R E A L    P R O P E R T Y    V I E W    S C R E E N
  ACCT: R11411-02-01                    OWNER: CHURPEYES INC
   KEY: 00308376      YEAR: 1998               D/B/A CHURCH CHICKEN
PARENT:                                        P O BOX 1026
 ACRES:
 LEGAL: 36.8X173.6X33.4X148.1X87.9X            COLUMBIA              SC  29202 0000
        122.9                              LOC:       2436    TAYLOR ST
        #PR                                TAXDIST: 1CC  NBHD: C3A.00  ZNG: C-3
        #OM 0110-05-01
           VALUES      ASSMTS   RENTAL%   PROPERTY CLASSIFICATION
  LAND:     133400       8000      %      PCA CODE: 2    ALL OTHER CLASS
  BLDG:      87800       5270      %
  IMPR:      15000        900      %      EXEMPTIONS:
MARKET:     236200      14170             HOMESTEAD YEAR/NUMBER:      -
AG USE:                                   HOMESTEAD PARTIAL PERCENTAGE:     %
TAXABLE:    236200      14170   ADJUSTMENT#:   DATE:              JV#:
 MARKET DATA
SALE DATE: 1996/08/08 REASON FOR CHANGE:
BOOK/PAGE: D1331- 741 ASSESSMENT CHANGE:
INST-WD   QC-9 V/I-I  NOTIFICATION DATE:
PRICE:          1              FLAGGED?: N                  ACTIVITY: 1997/03/24
 FUNC:          DATA:                                  SUB:            YR: 1998
     MESSAGE:                                                            @
```

```
RVIEWT361803JAN0499  9901
              R E A L    P R O P E R T Y    V I E W    S C R E E N
   ACCT: R11408-10-30                    OWNER: C & S NATL BANK OF S C
    KEY: 00300515      YEAR: 1998               %REAL ESTATE TAX SERVICES, INC
 PARENT:                                       201 E. KENNEDY BLVD
  ACRES:                                       SUITE 700
  LEGAL: PT LOT 13                             TAMPA                FL  33602 0000
         141X112.1X148.1X112.9          LOC:      1613    WAVERLY ST
         #SU                            TAXDIST: 1CC  NBHD: C3A.00  ZNS: C-1
         #PR 52-4848
            VALUES      ASSMTS   RENTAL%   PROPERTY CLASSIFICATION
   LAND:       32200       1930       %    PCA CODE: 2    ALL OTHER CLASS
   BLDG:                                %
   IMPR:                                %    EXEMPTIONS:
 MARKET:       32200       1930            HOMESTEAD YEAR/NUMBER:      -
 AG USE:                                   HOMESTEAD PARTIAL PERCENTAGE:     %
TAXABLE:       32200       1930   ADJUSTMENT#:   DATE:              JV#:
  MARKET DATA
SALE DATE: 1979/04/00 REASON FOR CHANGE:
BOOK/PAGE: D499 - 535 ASSESSMENT CHANGE:
INST-WD   QC-Q V/I-I  NOTIFICATION DATE:
PRICE:        7500              FLAGGED?: N                    ACTIVITY: 1998/03/17
 FUNC:          DATA:                                  SUB:              YR: 1998
      MESSAGE:                                                            @
```

```
RVIEWT361797JAN0499  9901
              R E A L    P R O P E R T Y     V I E W     S C R E E N
   ACCT: R11412-09-14A                    OWNER: COLUMBIA-CSA/HS GREATER
    KEY: 00312101      YEAR: 1999                /COLUMBIA AREA HEALTHCARE
PARENT:                                          /SYSTEM L.P.
 ACRES:                                          /C/O 1 PARK PLZ BLDG I, 4TH FL
 LEGAL: LOTS 1 & 2                               NASHVILLE            TN  37203 0000
        167.7X90X122.5X100.9                LOC:    1600BK    TWO NOTCH RD
        #SU                                 TAXDIST: 1CC  NBHD: C3A.00  ZNG: C-3
        #PR
           VALUES      ASSMTS    RENTAL%    PROPERTY CLASSIFICATION
  LAND:       69300        4160        %     PCA CODE: 2    ALL OTHER CLASS
  BLDG:                                 %
  IMPR:                                 %     EXEMPTIONS:
MARKET:       69300        4160             HOMESTEAD YEAR/NUMBER:      -
 AG USE:                                     HOMESTEAD PARTIAL PERCENTAGE:     %
TAXABLE:      69300        4160   ADJUSTMENT#:   DATE:              JV#:
  MARKET DATA
SALE DATE: 1997/01/16 REASON FOR CHANGE: 29 PROPERTY COMBINED
BOOK/PAGE: D1360- 130 ASSESSMENT CHANGE:
INST-WD   QC-9 V/I-V  NOTIFICATION DATE: 1998/06/20
PRICE:      175000              FLAGGED?: N                   ACTIVITY: 1998/01/19
 FUNC:          DATA:                                 SUB:            YR: 1998
      MESSAGE:                                                          @
```

RVIEWT361807JAN0499 9901

R E A L P R O P E R T Y V I E W S C R E E N

ACCT: R11407-07-02
KEY: 00298010 YEAR: 1998
PARENT:
ACRES:
LEGAL: 198X153
#SU
#PR
#OM 0110-03-03

OWNER: STEPCO OF S C INC
% CHARLES E STEPHENSON III
14 UPPER POND RD
COLUMBIA SC 29223 3026
LOC: 2324 TAYLOR ST
TAXDIST: 1CC NBHD: C3A.00 ZNG: C-3

	VALUES	ASSMTS	RENTAL%
LAND:	121200	7270	%
BLDG:	153900	9240	%
IMPR:			%
MARKET:	275100	16510	
AG USE:			
TAXABLE:	275100	16510	

PROPERTY CLASSIFICATION
PCA CODE: 2 ALL OTHER CLASS

EXEMPTIONS:
HOMESTEAD YEAR/NUMBER: -
HOMESTEAD PARTIAL PERCENTAGE: %

ADJUSTMENT#: DATE: JV#:

MARKET DATA
SALE DATE: 1989/02/04 REASON FOR CHANGE:
BOOK/PAGE: D0923- 251 ASSESSMENT CHANGE:
INST-QD QC-1 V/I-I NOTIFICATION DATE:
PRICE: 239400 FLAGGED?: N ACTIVITY: 1992/03/12
FUNC: DATA: SUB: YR: 1998
@
MESSAGE:

```
RVIEWT361805JAN0499  9901
            R E A L    P R O P E R T Y    V I E W    S C R E E N
  ACCT: R11408-10-32                    OWNER: SYLVAN FOODS SYSTEMS INC
   KEY: 00300533     YEAR: 1998                1245 BOSTON AVE
PARENT:
 ACRES:
 LEGAL: LOT 13                                    WEST COLUMBIA        SC  29170 0000
        116.3X355.2X109X348.7              LOC:       2349    TAYLOR ST
        #SU                                TAXDIST: 1CC  NBHD: C3A.00  ZNG: C-3
        #PR I-199,52-4848
           VALUES     ASSMTS   RENTAL%   PROPERTY CLASSIFICATION
  LAND:     148100       8890       %    PCA CODE: 2    ALL OTHER CLASS
  BLDG:     107600       6450       %
  IMPR:                             %    EXEMPTIONS:
MARKET:     255700      15340            HOMESTEAD YEAR/NUMBER:      -
AG USE:                                  HOMESTEAD PARTIAL PERCENTAGE:     %
TAXABLE:    255700      15340   ADJUSTMENT#:   DATE:              JV#:
  MARKET DATA
SALE DATE: 1996/09/25 REASON FOR CHANGE: 03 NEW BUILDING ADDED TO TAX ROLL
BOOK/PAGE: D1340-  63 ASSESSMENT CHANGE:
INST-WD   QC-Q V/I-V  NOTIFICATION DATE: 1998/06/20
PRICE:     242707              FLAGGED?: N                  ACTIVITY: 1997/04/15
 FUNC:          DATA:                                 SUB:            YR: 1998
      MESSAGE:                                                          @
```

```
RVIEWT361809JAN0499  9901
              R E A L    P R O P E R T Y    V I E W    S C R E E N
   ACCT: R11411-01-01                    OWNER: YIM GUNG HO & YOUNG SOOK
    KEY: 00308198      YEAR: 1998               1109 VALHALLA DR
 PARENT:
  ACRES:
  LEGAL: LOT 7, 52X208X52X208                      COLUMBIA              SC  29223 3352
         #SU                                 LOC:       2358    TAYLOR ST
         #PR                                 TAXDIST: 1CC  NBHD: C3A.00  ZNG: C-3
         #OM 0110-04-01
            VALUES      ASSMTS   RENTAL%   PROPERTY CLASSIFICATION
   LAND:       43300        2600       %    PCA CODE: 2    ALL OTHER CLASS
   BLDG:       57300        3440       %
   IMPR:                                %    EXEMPTIONS:
 MARKET:      100600        6040            HOMESTEAD YEAR/NUMBER:      -
 AG USE:                                    HOMESTEAD PARTIAL PERCENTAGE:     %
TAXABLE:      100600        6040   ADJUSTMENT#:   DATE:             JV#:
  MARKET DATA
SALE DATE: 1989/09/00 REASON FOR CHANGE:
BOOK/PAGE: D0948- 621 ASSESSMENT CHANGE:
INST-WD   GC-0 V/I-I  NOTIFICATION DATE:
PRICE:       85000              FLAGGED?: N                    ACTIVITY: 1991/09/18
 FUNC:          DATA:                                  SUB:              YR: 1998
      MESSAGE:                                                            @
```

```
RVIEWT361811JAN0499  9901
              R E A L   P R O P E R T Y   V I E W   S C R E E N
  ACCT: R11411-01-03                    OWNER: SUDDETH JOE T
   KEY: 00308214     YEAR: 1998                302 BIDDLE RD
PARENT:
 ACRES:
 LEGAL: LOT 5                                   COLUMBIA            SC  29212 3377
        192X138.2X191.8X136.5              LOC:      1512    HEIDT ST
        #SU                                TAXDIST: 1CC  NBHD: C3A.00  ZNG: C-3
        #PR 19-237,N-125 & 51-8292
           VALUES     ASSMTS   RENTAL%   PROPERTY CLASSIFICATION
  LAND:      78900       4730      %     PCA CODE: 2    ALL OTHER CLASS
  BLDG:      64600       3880      %
  IMPR:                            %     EXEMPTIONS:
MARKET:     143500       8610            HOMESTEAD YEAR/NUMBER:      -
 AG USE:                                 HOMESTEAD PARTIAL PERCENTAGE:     %
TAXABLE:     143500       8610   ADJUSTMENT#:   DATE:            JV#:
  MARKET DATA
SALE DATE: 1987/08/00 REASON FOR CHANGE:
BOOK/PAGE: D856 - 125 ASSESSMENT CHANGE:
INST-WD   QC-  V/I-   NOTIFICATION DATE:
PRICE:                          FLAGGED?: N                  ACTIVITY: 0000/00/0C
 FUNC:          DATA:                                  SUB:            YR: 1998
      MESSAGE:                                                            @
```

```
RVIEWT361805JAN0499  9901
            R E A L   P R O P E R T Y   V I E W   S C R E E N
  ACCT: R11408-10-32                    OWNER: SYLVAN FOODS SYSTEMS INC
   KEY: 00300533     YEAR: 1998                1245 BOSTON AVE
PARENT:
 ACRES:
 LEGAL: LOT 13                                  WEST COLUMBIA       SC  29170 0000
        116.3X355.2X109X348.7             LOC:       2349    TAYLOR ST
        #SU                               TAXDIST: 1CC  NBHD: C3A.00  ZNG: C-3
        #PR I-199,52-4848
           VALUES     ASSMTS   RENTAL%   PROPERTY CLASSIFICATION
  LAND:     148100       8890      %     PCA CODE: 2    ALL OTHER CLASS
  BLDG:     107600       6450      %
  IMPR:                            %     EXEMPTIONS:
MARKET:     255700      15340            HOMESTEAD YEAR/NUMBER:      -
AG USE:                                  HOMESTEAD PARTIAL PERCENTAGE:     %
AXABLE:     255700      15340   ADJUSTMENT#:   DATE:            JV#:
 MARKET DATA
ALE DATE: 1996/09/25 REASON FOR CHANGE: 03 NEW BUILDING ADDED TO TAX ROLL
OOK/PAGE: D1340-  83 ASSESSMENT CHANGE:
NST-WD   QC-Q V/I-V  NOTIFICATION DATE: 1998/06/20
RICE:      242707              FLAGGED?: N                  ACTIVITY: 1997/04/15
FUNC:          DATA:                                  SUB:            YR: 1998
     MESSAGE:                                                            @
```

```
RVIEWT361809JAN0499  9901
            R E A L   P R O P E R T Y   V I E W   S C R E E N
  ACCT: R11411-01-01                    OWNER: YIM GUNG HO & YOUNG SOOK
   KEY: 00308198     YEAR: 1998                1109 VALHALLA DR
PARENT:
 ACRES:
 LEGAL: LOT 7, 52X208X52X208                    COLUMBIA            SC  29223 3353
        #SU                                LOC:      2358    TAYLOR ST
        #PR                                TAXDIST: 1CC  NBHD: C3A.00  ZNG: C-3
        #OM 0110-04-01
           VALUES     ASSMTS   RENTAL%   PROPERTY CLASSIFICATION
  LAND:      43300       2600      %     PCA CODE: 2    ALL OTHER CLASS
  BLDG:      57300       3440      %
  IMPR:                            %     EXEMPTIONS:
MARKET:     100600       6040            HOMESTEAD YEAR/NUMBER:      -
AG USE:                                  HOMESTEAD PARTIAL PERCENTAGE:     %
TAXABLE:    100600       6040   ADJUSTMENT#:   DATE:              JV#:
 MARKET DATA
SALE DATE: 1989/09/00 REASON FOR CHANGE:
BOOK/PAGE: D0948- 621 ASSESSMENT CHANGE:
INST-WD   QC-Q V/I-I  NOTIFICATION DATE:
PRICE:      85000              FLAGGED?: N                  ACTIVITY: 1991/09/18
FUNC:         DATA:                                  SUB:            YR: 1998
     MESSAGE:                                                            @
```

```
VIEWT361811JAN0499  9901
            R E A L    P R O P E R T Y    V I E W    S C R E E N
 ACCT: R11411-01-03                    OWNER: SUDDETH JOE T
   KEY: 00308214      YEAR: 1998              302 BIDDLE RD
ARENT:
ACRES:
LEGAL: LOT 5                                    COLUMBIA              SC  29212 3377
       192X138.2X191.8X136.5              LOC:      1512    HEIDT ST
       #SU                                TAXDIST: 1CC  NBHD: C3A.00  ZNG: C-3
       #PR 19-237.N-125 & 51-8292
          VALUES      ASSMTS    RENTAL%    PROPERTY CLASSIFICATION
 LAND:       78900        4730       %      PCA CODE: 2    ALL OTHER CLASS
 BLDG:       64600        3880       %
 IMPR:                                %      EXEMPTIONS:
ARKET:      143500        8610              HOMESTEAD YEAR/NUMBER:      -
3 USE:                                      HOMESTEAD PARTIAL PERCENTAGE:     %
XABLE:      143500        8610   ADJUSTMENT#:   DATE:              JV#:
MARKET DATA
LE DATE: 1987/08/00 REASON FOR CHANGE:
OK/PAGE: D856 - 125 ASSESSMENT CHANGE:
ST-WD   QC-  V/I-   NOTIFICATION DATE:
ICE:                          FLAGGED?: N                  ACTIVITY: 0000/00/00
UNC:          DATA:                                  SUB:            YR: 1998
    MESSAGE:                                                            @
```

```
/IEWT361808JAN0499  9901
          R E A L    P R O P E R T Y    V I E W    S C R E E N
 ACCT: R11407-07-03A                    OWNER: ALLEN UNIVERSITY
  KEY: 00298029      YEAR: 1998                1530 HARDEN ST
ARENT:
ACRES:
LEGAL: 91.2X155X197.8X277.2X427.7X            COLUMBIA              SC  29204 1057
       280.7X140X150                    LOC:      2322     TAYLOR ST
       #SU                              TAXDIST: 1CC  NBHD: C3A.00  ZNG: C-1
       #PR
          VALUES      ASSMTS    RENTAL%   PROPERTY CLASSIFICATION
 LAND:      268600                  %     PCA CODE: 0    NON-TAXABLE OR SCTO
 BLDG:                              %
 IMPR:        5000                  %     EXEMPTIONS: TXP
ARKET:      273600                        HOMESTEAD YEAR/NUMBER:      -
3 USE:                                    HOMESTEAD PARTIAL PERCENTAGE:     %
XABLE:                          ADJUSTMENT#:    DATE:              JV#:
MARKET DATA
LE DATE: 1988/09/01 REASON FOR CHANGE:
OK/PAGE: D902 - 850 ASSESSMENT CHANGE:
ST-QD   QC-  V/I-   NOTIFICATION DATE:
ICE:                      FLAGGED?: N                    ACTIVITY: 1998/02/2
UNC:          DATA:                                  SUB:          YR: 1998
    MESSAGE:                                                          @
```

```
EWT361808JAN0499  9901
          R E A L    P R O P E R T Y    V I E W    S C R E E N
CCT: R11407-07-03A                    OWNER: ALLEN UNIVERSITY
<EY: 00298029      YEAR: 1998                1530 HARDEN ST
ENT:
RES:
GAL: 91.2X155X197.8X277.2X427.7X            COLUMBIA              SC  29204 1057
     280.7X140X150                      LOC:       2322     TAYLOR ST
     #SU                                TAXDIST: 1CC  NBHD: C3A.00  ZNG: C-1
     #PR
        VALUES      ASSMTS    RENTAL%   PROPERTY CLASSIFICATION
AND:     268600                  %      PCA CODE: 0    NON-TAXABLE OR SCTC
LDG:                             %
MPR:       5000                  %      EXEMPTIONS: TXP
<ET:     273600                         HOMESTEAD YEAR/NUMBER:      -
USE:                                    HOMESTEAD PARTIAL PERCENTAGE:     %
BLE:                          ADJUSTMENT#:   DATE:              JV#:
RKET DATA
 DATE: 1988/09/01 REASON FOR CHANGE:
/PAGE: D902 - 850 ASSESSMENT CHANGE:
-QD   QC-  V/I-   NOTIFICATION DATE:
E:                          FLAGGED?: N                    ACTIVITY: 1998/02/2
C:          DATA:                                  SUB:              YR: 1998
  MESSAGE:                                                              @
```

```
IEWT361800JAN0499  9901
          R E A L   P R O P E R T Y   V I E W   S C R E E N                IVE
ACCT: R11412-09-13                  OWNER: COLUMBIA /HCA HEALTH
 KEY: 00312094     YEAR: 1998              CORPORATION
RENT:                                      ONE PARK PLAZA
CRES:                                      BUILDING I, 4TH FLOOR
EGAL: LOT 3                                NASHVILLE          TN  37203 0000
      67.4X118.6X59.6X86.2            LOC:      2409    FOREST DR              0000
      PR# C-80, 56-5707               TAXDIST: 1CC  NBHD: C3A.00  ZNG: C-3
      #OM 0127-02-14
         VALUES     ASSMTS   RENTAL%   PROPERTY CLASSIFICATION
LAND:      14100        850      %     PCA CODE: 2    ALL OTHER CLASS
BLDG:                            %
IMPR:                            %     EXEMPTIONS:
RKET:      14100        850            HOMESTEAD YEAR/NUMBER:      -
 USE:                                  HOMESTEAD PARTIAL PERCENTAGE:     %
ABLE:      14100        850   ADJUSTMENT#:   DATE:            JV#:            %
ARKET DATA
E DATE: 1996/10/24 REASON FOR CHANGE: 06 BUILDING DEMOLISHED
K/PAGE: D1345- 212 ASSESSMENT CHANGE:
T-WD   QC-9 V/I-V  NOTIFICATION DATE:
CE:      125000             FLAGGED?: N                  ACTIVITY: 1997/02/03
NC:         DATA:                                 SUB:            YR: 1998
   MESSAGE:                                                          @        1998
```

```
RVIEWT361800JAN0499  9901
              R E A L   P R O P E R T Y   V I E W   S C R E E N
  ACCT: R11412-09-13                    OWNER: COLUMBIA /HCA HEALTH
   KEY: 00312094     YEAR: 1998                CORPORATION
PARENT:                                        ONE PARK PLAZA
 ACRES:                                        BUILDING I, 4TH FLOOR
 LEGAL: LOT 3                                  NASHVILLE          TN  37203 000
        67.4X118.6X59.6X88.2              LOC:      2409    FOREST DR
        PR# C-80, 56-5707                 TAXDIST: 1CC  NBHD: C3A.00  ZNG: C-3
        #OM 0127-02-14
           VALUES     ASSMTS   RENTAL%   PROPERTY CLASSIFICATION
  LAND:      14100        850      %     PCA CODE: 2    ALL OTHER CLASS
  BLDG:                             %
  IMPR:                             %     EXEMPTIONS:
MARKET:      14100        850            HOMESTEAD YEAR/NUMBER:      -
AG USE:                                   HOMESTEAD PARTIAL PERCENTAGE:     %
TAXABLE:     14100        850   ADJUSTMENT#:   DATE:              JV#:
 MARKET DATA
SALE DATE: 1996/10/24 REASON FOR CHANGE: 06 BUILDING DEMOLISHED
BOOK/PAGE: D1345- 212 ASSESSMENT CHANGE:
INST-WD   QC-9 V/I-V  NOTIFICATION DATE:
PRICE:      125000              FLAGGED?: N                  ACTIVITY: 1997/02/0
 FUNC:          DATA:                                  SUB:            YR: 1998
      MESSAGE:                                                            @
```

RVIEWT361798JAN0499 9901 INA

R E A L P R O P E R T Y V I E W S C R E E N

ACCT: R11412-09-14B OWNER: LEE JACK & ALEXANDRA

KEY: 00312110 YEAR: 1998 3733 GREENBRIAR

PARENT:

ACRES:

LEGAL: COLUMBIA SC 292

LOC: 1600 TWO NOTCH RD

TAXDIST: NBHD: 015.04 ZNG:

	VALUES	ASSMTS	RENTAL%	PROPERTY CLASSIFICATION
LAND:			%	PCA CODE:
BLDG:			%	
IMPR:			%	EXEMPTIONS:
MARKET:				HOMESTEAD YEAR/NUMBER: -
AG USE:				HOMESTEAD PARTIAL PERCENTAGE:
TAXABLE:			ADJUSTMENT#:	DATE: JV#:

MARKET DATA

SALE DATE: 1991/12/31 REASON FOR CHANGE:

BOOK/PAGE: LET - ASSESSMENT CHANGE:

INST- QC- V/I- NOTIFICATION DATE:

PRICE: FLAGGED?: ACTIVITY:

FUNC: DATA: SUB: YR

MESSAGE: NO ASSESSMENT INFORMATION ON FILE

RVIEWT361816JAN0499 9901

R E A L P R O P E R T Y V I E W S C R E E N

ACCT: R11411-04-01
KEY: 00308553 YEAR: 1998
PARENT:
ACRES:
LEGAL: GONZALES GARDENS APTS
#PR
#OM 0111-01-01

OWNER: PUBLIC HOUSING AUTHORITY
GONZALES GARDENS
PO BOX 4307
COLUMBIA SC 29240 430
LOC: 1505 GARDEN PLAZA
TAXDIST: 1CC NBHD: 015.02 ZNG: RG-2

	VALUES	ASSMTS	RENTAL%
LAND:	999900		%
BLDG:	8433500		%
IMPR:			%
MARKET:	9433400		
AG USE:			
TAXABLE:			

PROPERTY CLASSIFICATION
PCA CODE: 0 NON-TAXABLE OR SCTC

EXEMPTIONS: MGV
HOMESTEAD YEAR/NUMBER: -
HOMESTEAD PARTIAL PERCENTAGE: %
ADJUSTMENT#: DATE: JV#:

MARKET DATA
SALE DATE: REASON FOR CHANGE:
BOOK/PAGE: - ASSESSMENT CHANGE:
INST- QC- V/I- NOTIFICATION DATE:
PRICE: FLAGGED?: N
FUNC: DATA:
MESSAGE:

ACTIVITY: 1994/08/0
SUB: YR: 1998
@

CONSULTECH ENVIRONMENTAL, INC.

May 20, 2005
June 24, 2005 Revised

RECEIVED
JUN 29 2005
UNDERGROUND STORAGE TANK PROGRAM

Mr. Art Shrader
Assessment and Corrective Action Division
Underground storage Tank Program
South Carolina DHEC
2600 Bull Street
Columbia, South Carolina 29201

RE: Tier II Assessment Report Addendum
Former Handy Pantry #65, 2367 Taylor Street
UST Permit #07584 & #18389, CA 23764
Former Clouds Chevron, 1600 Two Notch Road
UST Permit #07777 & #12352, CA 23767
Columbia, Richland County, South Carolina

Dear Mr. Shrader,

Consultech is pleased to submit this copy of the Tier II Assessment Report, prepared for the above referenced facility in accordance with the Tier II Assessment Plan (Tier II) document dated March 15, 2000 and contract SB-26861-10/26/04-EMW dated November 2, 2004, as authorized by the South Carolina Department of Health and Environmental Control (SCDHEC).

If you should have any questions about this report, please do not hesitate to contact me at (678) 377-0400 Ext 214.

Sincerely,

SCANNED

CONSULTECH ENVIRONMENTAL, INC.

James R. Wilson, P.G.
Senior Project Manager

UST PROGRAM
DOCKETING # 22 Tech

cc: File C-04-12-008 & C-04-12-009

1800 MacLeod Drive, Suite F * Lawrenceville, GA 30043-5376
678 377-0400 * FAX 678 377-0051

RECEIVED
MAY 25 2005
UNDERGROUND STORAGE TANK PROGRAM

TIER II ASSESSMENT REPORT ADDENDUM

Former Handy Pantry #65, 2367 Taylor Street
UST Permit #07584 & #18389, CA 23764
Former Clouds Chevron, 1600 Two Notch Road
UST Permit #07777 & #12352, CA 23767
Columbia, Richland County, South Carolina

Prepared for:

South Carolina Department of Health
And Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Prepared by:

Consultech Environmental, Inc.
1800 Macleod Dr. Suite F
Lawrenceville, Georgia 30043

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1.0 PROJECT BACKGROUND INFORMATION

This section presents the purpose of the Tier II Assessment Report (Tier II), a description of the site, and the site assessment history.

1.1 Purpose

The purpose of a Tier II assessment is to provide the South Carolina Department of Health and Environmental Control (SCDHEC) with sufficient information to determine if the petroleum release reported in the Tier II Assessments conducted for the Former Handy Pantry #65 and the Former Clouds Chevron poses a potential risk to human health or to the environment. The Tier II from both sites indicated that a release of petroleum hydrocarbon constituents had migrated downgradient and this Tier II Addendum was to delineate the plume in all directions. This Tier II specifically provides information outlined in the scope of work as defined in the SCDHEC Tier II Assessment Plan (Tier II) guidance document, dated March 15, 2000. Please reference Consultech's Standard Operating Procedures document, dated December 2004. This report presents the extent of petroleum hydrocarbons released to the environment and an evaluation of the risk of exposure to potential receptors, and also provides a plan that adequately protects human health, safety, and the environment.

1.2 Site Description

The subject property, Former Handy Pantry #65 (former Simba Express #2 and currently Fast Point #24) is located at 2367 Taylor Street, and the Former Clouds Chevron (currently a parking lot for Providence Hospital) is located at 1600 Two Notch Road in Columbia, South Carolina (Figure 1). Figure 2 indicates the general location of the former USTs and dispensers.

1.3 Site Assessment History

Former Handy Pantry #65 (Simba Express #2) has had three releases that were reported to SCDHEC from April 17, 1998 through April 29, 1999. Three 10,000-gallon USTs, along with the associated piping and dispensers, were removed from the site on June 16, 1998 and March 24, 1999. The site currently has one 12,000-gallon gasoline UST and one 8,000-gallon gasoline UST in operation in the area of the former USTs. The initial assessments were conducted by SPATCO from 1992 to 1993 and by Kimtrell & Associates, Inc. in 1999. A modified Tier II Assessment was performed by Force & Associates, Inc. in 2003.

Former Clouds Chevron has had a release reported to SCDHEC in March 18, 1992. Two 8,000-gallon gasoline USTs and two 5,000-gallon gasoline USTs along with the associated piping and dispensers, were removed from the site on May 28, 1992. A previous Tier II was performed by Midlands Environmental Consultants, Inc. A modified Tier II Assessment was performed by Force & Associates, Inc. for both sites in 2003. Analytical results indicated that the groundwater at the both sites had been impacted by a petroleum hydrocarbons release. The Tier II from both sites indicated that a release of petroleum hydrocarbon constituents had migrated downgradient and this Tier II Addendum was to delineate the plume in all directions.

2.0 POTENTIAL RECEPTOR SURVEY

The receptor survey included a private and public groundwater supply well search, a surface water body search in the area of the site, an underground utility survey, and a discussion of current and future uses of the site and downgradient properties.

2.1 Location of Drinking Water Supplies

Consultech conducted a water systems survey in the vicinity of the site. Consultech personnel found no water wells that exist within a 1,000-foot radius of either of the subject sites and all businesses and residences in the area are on city water.

2.2 Location of Surface Water Bodies

There is one surface water body within a 1,000-foot radius of the subject site. The nearest surface water body is an unnamed creek/ditch located 600 feet to the south of the two sites.

2.3 Underground Utility Survey

Subsurface utilities in the site area include water, fiber optic/telephone, storm sewer, sanitary sewer, and gas lines, as shown on Figure 2. Locations and estimated depths of these utilities were obtained during the site investigations. Water lines run on the south side of Taylor Street/Forest Drive and on the east side of Heidt Street, Millwood Drive, and Oak Street in the easement. Fiber optic/telephone lines run on the south side of Taylor Street/Forest Drive, on the west side of Millwood Drive and Two Notch Road, and on the east side of Oak Street in the easement. Storm sewer lines run on the south side of Taylor Street/Forest Drive and across the Food Lion parking lot to the west side of Heidt Street, Ontario Street, and Oak Street in the easement. Sanitary sewer lines run through the center of Taylor Street/Forest Drive and through the center of Two Notch Road/Millwood Drive. Gas lines run on the north side of Taylor Street/Forest Drive, on the east side of Heidt Street and Oak Street, on the west side of Millwood Drive, on the east side of Two Notch Road and Waverly Street in the easement. Depths for these utilities are estimated to be two to five feet below the ground surface. No other underground utilities were located or scanned with a PID.

Electrical lines exist above ground level on utility poles that are located all around the property as shown in Figure 2. Groundwater in the site area occurs at depths ranging from 2 to 28 ft-bgs. Therefore, underground utilities could not be acting as conduits for groundwater flow except for the area between NAPA Auto Parts and the creek/ditch approximately 500 to 600 feet south of the sites where groundwater is less than 8 ft-bgs.

2.4 Current and Future Uses of the Site and Downgradient Properties

The former Handy Pantry #65 is currently a Fast Point convenience store/gas station. The former Clouds Chevron is currently an employee parking lot for Providence Hospital. The properties surrounding the sites are commercial and residential in nature. Figure 2 illustrates the locations of the adjacent properties with respect to the subject site. The sites are bordered to the north of the sites by a vacant field and residential properties. China Kitchen and Providence Hospital is to the east of the sites. Public housing and a parking lot is to the southeast. Church's Chicken and NAPA Auto Parts is to the south of the sites. Kar Kare Auto, Suddeth's Towing, and a hair salon is to the southwest. Title Max and Food Lion is to the west-southwest of the sites. Benedict College and Kentucky Fried Chicken is to the west and northwest of the sites. Future uses of the surrounding properties will likely remain the same.

TIER II ASSESSMENT CERTIFICATION

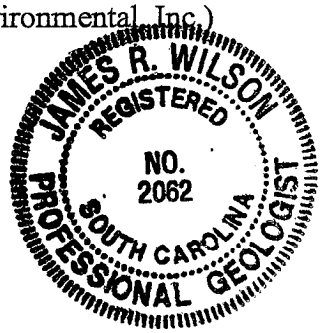
Tier II Assessment Report (Tier II) Certification

I hereby certify that the information contained in this plan and the associated attachments is true, accurate, and complete, and the plan satisfies all the criteria and requirements of the tier II assessment guidelines dated March 15, 2000.

Adrienne C. Brooks (Consultech Environmental, Inc.) — Date: 5-24-05
Project Manager

I hereby certify that I have directed the fieldwork and preparation of this plan in accordance with State Rules and Regulations. As a registered geologist, I certify that I am a qualified groundwater professional, as defined by the South Carolina Board of Registration for Geologists. All of the information and laboratory data in this plan and in all of the attachments is true, accurate, complete, and in accordance with applicable State Rules and Regulations.

James R Wilson, P.G. (Consultech Environmental, Inc.) — Date: 5/24/05
Senior Project Manager



3.0 HYDROGEOLOGY AND GEOLOGY

3.1 Regional Geology and Hydrogeology

Richland County is located within the Southern Piedmont Physiographic Province. The Piedmont is characterized by rolling upland topography broken by stream valleys and high prominent hills. The rocks of the area are composed of Pre-Cambrian igneous and metamorphic rocks, which have undergone extensive alteration through multiple events of folding and faulting. Richland County lies in the Carolina Slate Belt, which is composed predominantly of rocks that reflect slight to medium grade metamorphism. The Carolina Slate Belt contains many shallow granitic plutons that were formed during the Alleghenian Orogeny. This portion of Richland County is within the Congaree River Sub-Basin. Groundwater occurs in the Middendorf Aquifer System. The general geology of the site consists of unconsolidated Cretaceous sediments deposited in a riverine environment. In a riverine environment, rounded pebbles are also deposited. These sediments are representative of deposition in fluvial or upper delta-plain environments.

3.2 Site Hydrogeology

For this site, a benchmark was established with an assumed elevation of 93.97 feet above the National Geodetic Vertical Datum (NGVD) on top of a bolt on a pole on the Title Max property, which was tied in to the survey conducted at the former Handy Pantry 65 and former Clouds Chevron properties. Groundwater elevations were initially measured on February 8, 2005 in monitoring wells MW-1 through MW-4, MW-6 through MW-8, MW-10 through MW-13, MW-15 through MW-20, MW-22 through MW-25 before screening the site. Groundwater elevations were measured on April 19 through 21, 2005 in monitoring wells MW-1 through MW-13, MW-15 through MW-20, MW-22 through MW-60, MW-5aR, PW-1R, RW-1R, and DW-1 through DW-8 in order to determine static water levels, to establish the groundwater gradient, and to check for liquid phased hydrocarbons (LPH). Newer monitoring wells MW-61 through MW-70, and DW-9 were measured on May 17 and 18, 2005 since they were drilled later. The groundwater elevations in the on-site shallow monitoring wells ranged from 74.38 feet in MW-27 to 62.65 feet in MW-60, with respect to a relative datum elevation of 93.97 feet. LPH was detected in monitoring well MW-3 at a thickness of 0.43 feet, MW-10 at a thickness of 0.79 feet, and in MW-18 at a thickness of 0.02 feet. A summary of the measurement data collected from the monitoring wells is presented on Table 1.

3.3 Site Geology

The subsoil in this area is predominantly brown to grey to orange clayey sand to sandy clay alternating from the ground surface to a depth of 110 ft-bgs as noted by the Tier II investigations and the new wells for the Tier II Addendum (Appendix 3). Soil boring/monitoring well installation lithological data indicated that soil types and depths appear to be predominantly uniform across the site. Groundwater levels in the sand range from 2 to 28 ft-bgs.

3.4 Site Topography

Topographic relief within a quarter mile radius of the subject property, as evidenced by the U.S.G.S. 7.5-minute quadrangle topographic map for the area (Columbia North, South Carolina, Figure 3), ranges between 260 and 330 feet above the NGVD. The subject properties have elevations of 295 feet for the former Handy Pantry #65 and 305 feet for the former Clouds Chevron above the NGVD. The general direction of surface water drainage in the site vicinity of the former Clouds Chevron appears to be to the south towards the creek/ditch. The general direction of surface water drainage in the site vicinity of the former Handy Pantry #65 appears to be to the west-northwest towards Benedict College. The nearest surface water body is an unnamed creek/ditch located 600 feet to the south of the sites. A Site Topographic Map with potential receptors is presented as Figure 3.

4.0 INVESTIGATIVE METHODS AND SAMPLING

4.1 Field Screening

The soil borings were scanned with a calibrated PID meter and collected on four-foot intervals to approximate depths of 32 ft-bgs for shallow borings to 64 ft-bgs for deep borings. Detectable PID readings were indicated in all of the soil borings except for SB-4, SB-6, SB-38, SB-40, SB-50, SB-51, SB-53, SB-54, SB-61, SB-63, and SB-79. PID field screening results for the soil and groundwater are presented in Table 2, and a groundwater PID field-screening map is provided as Figure 7.

4.2 Soil Boring/Monitoring Well Installation

Soil samples were described on the basis of lithology, color, texture, and relative moisture content. The shallow monitoring wells installed were two-inch PVC wells. Monitoring wells MW-27 through MW-30, MW-32, MW-45, MW-48 through MW-50, and MW-52 were installed at 30 ft-bgs. Monitoring wells MW-31, MW-33 through MW-42, MW-46, MW-47, MW-51, and MW-61 through MW-70 were installed at 35 ft-bgs. Monitoring well MW-43 was installed at 40 ft-bgs. Monitoring well MW-44 was installed at 31 ft-bgs. Monitoring wells MW-53, MW-54, and MW-56 were installed at 20 ft-bgs. Monitoring wells MW-55, MW-57, and MW-60 were installed at 14 ft-bgs. Monitoring well MW-58 was installed at 19 ft-bgs. Monitoring well MW-59 was installed at 17 ft-bgs. Ten to twenty feet of 0.010-inch slotted well screen was used in construction of the shallow monitoring wells. Six deep wells were installed for this investigation. Deep well DW-4 was installed by DW-3 with five-inch casing at 100 feet and the two-inch casing at 105 feet. The two-inch screen was set from 105 to 110 feet. Deep well DW-5 was drilled beside MW-35 with five-inch casing at 60 feet and the two-inch casing at 65 feet. The two-inch screen was set from 65 to 70 feet. Deep well DW-6 was paired with monitoring well MW-42. The five-inch casing of DW-6 was advanced to 60 ft-bgs. A boring was then advanced through the inside of the five-inch well casing to a depth of 65 ft-bgs. Screen was set from 65 to 70 ft-bgs. Deep well DW-7 was paired with MW-12. The five-inch casing of DW-7 was advanced to 45 ft-bgs, and the two-inch screen was set from 50 to 55 ft-bgs. Deep well DW-8 was paired with MW-59. The five-inch casing of DW-8 was advanced to 45 ft-bgs, and the two-inch screen was set from 50 to 55 ft-bgs. Deep well DW-9 was paired with MW-58. The five-inch casing of DW-9 was advanced to 55 ft-bgs, and the two-inch screen was set from 60 to 65 ft-bgs. The well construction diagrams are included with the soil boring logs in Appendix 3.

4.3 Soil Sampling

Soil samples were collected from monitoring wells MW-28, MW-32 through MW-39, MW-41, MW-43, MW-45, MW-47, MW-49, MW-52 through MW-54, and MW-56 through MW-58 as part of this Tier II Investigation to determine soil concentrations above the water table at different areas around the subject sites. Soil analytical data is presented in Table 3. The soil cuttings generated during all of Consultech's drilling activities were scanned with a calibrated PID and placed in 55-gallon drums. The soil cuttings were then disposed of accordingly.

4.4 Groundwater Sampling

Groundwater samples were initially collected from soil borings WS-1 through WS-10, and monitoring wells MW-43, MW-44, MW-56, MW-57, and MW-59 for screening purposes and were rush analyzed for BTEX, naphthalenes, and MTBE. Groundwater samples were collected from monitoring wells MW-1 through MW-13, MW-15 through MW-20, MW-22 through MW-60, MW-5aR, PW-1R, RW-1R, DW-1 through DW-8, and SW-1 and were analyzed for BTEX, naphthalenes, MTBE, EDB, 1,2 DCA, 8-Oxygenates, and total lead. In addition, monitoring wells MW-27 through MW-60, and DW-4 through DW-8 were analyzed for dissolved iron, nitrate, sulfate, and methane. The newest monitoring wells MW-61 through MW-70 and DW-9 were sampled for rush analysis of BTEX, naphthalenes, and MTBE. The laboratory reports are presented in Tables 5, 6, & 7 and Appendix 5.

5.0 PHYSICAL AQUIFER CHARACTERISTICS

5.1 Hydraulic Conductivity Tests

Consultech conducted in-situ horizontal hydraulic conductivity tests in monitoring wells MW-12, MW-42, DW-6, and DW-7. The hydraulic conductivity tests were conducted by using a disposable bailer or pump to bail out as much water as possible. Using an oil/water interface probe, the water levels were then recorded with time as the water level in the wells returned to their static levels. The recovery data and completion details of the wells were used to determine the in-situ hydraulic conductivity using the Bower and Rice method for the case of an unconfined aquifer, partially penetrated by a well.

The hydraulic conductivities calculated from this method are considered estimated values based on several assumptions, most notably homogeneous, isotropic aquifer flow with minimal sand pack recharge.

5.2 Direction and Rate of Groundwater Flow

Groundwater depths measured in December 2003 and February to May 2005 and their corresponding elevations are presented on Table 1. All wells were gauged for the presence of LPH using an oil/water interface probe. On April 19-21, 2005, LPH was detected in monitoring wells MW-3 at a thickness of 0.43 feet, MW-10 at a thickness of 0.79 feet, and in MW-18 at a thickness of 0.02 feet.

The groundwater elevations taken on April 19-21, and May 17-18, 2005 are illustrated on Figure 5 for the shallow wells and Figure 6 for the deep wells. These figures indicate that the groundwater flow direction is to the northwest for the former Handy Pantry #65 site and to the south for the former Clouds Chevron site for both the shallow and deep water zones. Based on the groundwater elevations in the wells and the distances between them, the average hydraulic gradient (referenced as "i") is estimated to be 0.004 feet per foot (ft/ft) across the site between monitoring wells MW-5aR and MW-69 for the shallow groundwater and 0.0029 (ft/ft) between monitoring wells DW-4 and DW-6 for the deep groundwater for the former Handy Pantry #65 site. The average hydraulic gradient is estimated to be 0.010 ft/ft across the site between monitoring wells MW-5aR and MW-60 for the shallow groundwater and 0.0045 ft/ft between monitoring wells DW-4 and DW-8 for the deep groundwater for the former Clouds Chevron site.

The groundwater flow velocity (V) was estimated for the site using the Darcy equation, V=(K x i)/neff. This equation assumes a homogeneous, isotropic aquifer that is infinite in a real extent (i.e., no boundary conditions).

The shallow groundwater in the northwest direction (MW-42) with the horizontal K (0.0161 feet per day), the i (0.004 ft/ft), and the estimated neff (0.18). Based on this calculation, the groundwater velocity is estimated to be 0.00036 ft/day or 0.131 ft/year.

The deep groundwater in the northwest direction (DW-6) with the horizontal K (0.0000306 feet per day), the i (0.0029 ft/ft), and the estimated neff (0.13). Based on this calculation, the groundwater velocity is estimated to be 0.000000676 ft/day or 0.000247 ft/year.

The shallow groundwater in the southern direction (MW-12) with the horizontal K (0.00431 feet per day), the i (0.010 ft/ft), and the estimated neff (0.18). Based on this calculation, the groundwater velocity is estimated to be 0.000239 ft/day or 0.0874 ft/year.

The deep groundwater in the southern direction (DW-7) with the horizontal K (0.00258 feet per day), the i (0.0045 ft/ft), and the estimated neff (0.13). Based on this calculation, the groundwater velocity is estimated to be 0.0000893 ft/day or 0.0326 ft/year.

6.0 HORIZONTAL AND VERTICAL EXTENT OF PETROLEUM HYDROCARBONS

6.1 Extent of Petroleum Contamination in Soil

Soil samples were analyzed for BTEX and naphthalene constituents. The applicable risk-based screening levels (RBSLs) for the subject sites are benzene at 0.007 mg/kg, toluene at 1.450 mg/kg, ethylbenzene at 1.150 mg/kg, xylenes at 14.500 mg/kg, and naphthalenes at 0.036 mg/kg.

The RBSL for benzene was exceed in soil borings MW-32 through MW-37, MW-41, MW-53, MW-54, MW-57, and MW-58. The RBSL for toluene was exceed in soil boring MW-33. The RBSL for ethylbenzene and xylenes and were not exceeded in any of the soil borings. The RBSL for naphthalenes was exceed in soil borings MW-32 through MW-34, MW-36, and MW-41. Table 3 presents the soil sample analytical results, and Figure 7 presents the boring locations with analytical results.

A review of the analytical data for soil samples collected from the site indicates that the vertical and horizontal extent of petroleum hydrocarbons-affected soils have been delineated at the subject site.

6.2 Extent of Petroleum Contamination in Groundwater

On April 19-21, May 17-18, and June 2, 2005, groundwater samples were collected from monitoring wells MW-1 through MW-13, MW-15 through MW-20, MW-22 through MW-70, MW-5aR, PW-1R, RW-1R, DW-1 through DW-9, SW-1, and ST-1.

Table 5 presents the historical analytical results for BTEX, MTBE, and naphthalenes in groundwater on the site. Figure 8 presents the lateral distribution of dissolved benzene in groundwater across the site on April 19-21, and May 17-18, 2005. Benzene was detected in groundwater above the RBSL of 5.0 µg/l in monitoring wells MW-2, MW-3, MW-5, MW-6, MW-9 through MW-12, MW-15, MW-17 through MW-20, MW-22 through MW-25, MW-31 through MW-37, MW-39 through MW-42, MW-47, MW-54, MW-55, MW-57, MW-58, MW-5aR, PW-1R, RW-1R, DW-3, DW-4, DW-7, SW-1, and ST-1.

Toluene was detected in groundwater above the RBSL of 1,000 µg/l in monitoring wells MW-2, MW-3, MW-5, MW-9, MW-10, MW-12, MW-15, MW-17 through MW-20, MW-22 through MW-25, MW-33 through MW-35, MW-37, MW-39 through MW-42, MW-57, MW-5aR, PW-1R, RW-1R, and DW-3. Ethylbenzene was detected in groundwater above the RBSL of 700 µg/l in monitoring wells MW-2, MW-3, MW-5, MW-9, MW-10, MW-12, MW-17 through MW-20, MW-25, MW-34, MW-37, MW-39, MW-40, MW-57, MW-5aR, PW-1R, and RW-1R. Xylenes were detected above the RBSL of 10,000 ug/l in monitoring wells MW-5, MW-9, MW-10, MW-17 through MW-20, MW-25, MW-34, MW-39, and MW-57.

MTBE (Figure 9) was detected in groundwater above the RBSL of 40 monitoring wells MW-2, MW-3, MW-10, MW-12, MW-18 through MW-20, MW-22 through MW-24, MW-35, MW-39, MW-55, MW-57, MW-58, MW-5aR, PW-1R, RW-1R, DW-3, SW-1, and ST-1. Naphthalenes (Figure 10) were detected in groundwater above the RBSL of 25 µg/l in monitoring wells MW-2, MW-3, MW-5, MW-9, MW-10, MW-12, MW-15, MW-17 through MW-20, MW-22 through MW-25, MW-31 through MW-37, MW-39 through MW-42, MW-57, MW-58, MW-5aR, PW-1R, RW-1R, DW-3, and DW-4.

Table 6 presents other petroleum hydrocarbons constituents and natural attenuation parameters that were measured during the April 19-21, 2005 sampling event. The following indicates RBSLs exceeded due to the release on the subject site. EDB (Figure 11) was detected in groundwater above the RBSL of 0.05 µg/l in monitoring wells MW-5, MW-12, MW-18, MW-19, MW-24, MW-27, MW-28, MW-36, MW-37, MW-41, MW-42, MW-65, RW-1R, DW-3, DW-4, and DW-6. Total lead was detected in groundwater above the RBSL of 0.015 µg/l in monitoring wells MW-2, MW-3, MW-5, MW-9, MW-17, MW-18, MW-19, MW-20, MW-23, MW-24, MW-25, MW-29, MW-33, MW-35, MW-39, MW-54, MW-58, MW-59, MW-5aR, RW-1R, and DW-8. Table 7 presents the groundwater analytical results from the individual Oxygenates.

The former Handy Pantry #65 petroleum hydrocarbon plume has migrated approximately 600 feet west of the former tank pit area. The edge of the hydrocarbon plume is currently downgradient of monitoring well MW-68 for the shallow plume and deep well DW-5 for the deep plume. There appears to be another UST release in the area of monitoring wells MW-41, MW-64, and MW-65 due to the increased concentrations in this area. In addition, the groundwater velocity is very slow and would not reach this far from the former Handy Pantry #65 petroleum hydrocarbon plume.

The former Clouds Chevron BP petroleum hydrocarbon plume has migrated approximately 600 feet south of the former UST system area. The edge of the shallow and deep hydrocarbon plume is currently at the unnamed creek/ditch which has been impacted by the hydrocarbon plume.

Natural attenuation parameters will be discussed in Section 8.2.

6.3 Extent of LPH Plume

On December 30, 2003, LPH was detected in monitoring wells MW-9, MW-15, and MW-18 at thickness of 0.01, 0.02, and 0.24 feet, respectively. On February 8, 2005, LPH was detected in monitoring wells MW-3, MW-10, MW-15, MW-18, and MW-22 at thickness of 0.74, 0.13, 0.03, 0.31, and 0.03 feet, respectively. On April 19, 2005, LPH was detected in monitoring wells MW-3, MW-10, and MW-18 at thickness of 0.43, 0.79, and 0.02 feet, respectively. An LPH recovery test was conducted on April 19, 2005 and indicated a true thickness of 0.59 feet of LPH in monitoring well MW-10 and no recovery in monitoring wells MW-3 or MW-18. The product recovery test data and results are presented in Appendix 4.

7.0 GROUNDWATER MODELING

7.1 Domenico's Model

The Domenico's Model was utilized to determine site specific target levels (SSTLs) for the source area. The SSTLs were calculated in the two previous Tier II investigations and can be reviewed in those reports. SCDHEC will calculate more SSTLs using the new slug test data from this investigation.

7.2 Fate and Transport Modeling

The fate and transport modeling were conducted in the two previous Tier II investigations and can be reviewed in those reports and SCDHEC will conduct more fate and transport modeling using the new slug test data from this investigation.

8.0 TIER II SITE EVALUATION

8.1 Site Conceptual Model and Exposure Points

A site conceptual exposure model was completed for the sites during the past two investigations and will be conducted by SCDHEC for this investigation.

8.2 Site Specific Point of Compliance

There are no primary exposure points for the former Handy Pantry #65. The unnamed creek/ditch 600 feet south of the two sites is considered the primary exposure point for the former Clouds Chevron. Underground utilities are not considered exposure points until the plume reaches within 100 feet from the unnamed creek/ditch since the deepest utility is less than five ft-bgs and the groundwater in the subject site area is located at a depth between 2 and 28 ft-bgs. Dissolved petroleum constituents have impacted the unnamed creek/ditch 600 feet south of the two sites shown by analytical results from the creek sample SW-1.

Four points of compliance will be established for the two plumes. Consultech recommends that monitoring wells MW-42 and DW-6 be established as the points of compliance between the former Handy Pantry #65 and points downgradient and monitoring wells MW-59 and DW-8 be established as the point of compliance between the former Clouds Chevron and downgradient from the unnamed creek/ditch.

8.3 Natural Attenuation Parameters Evaluation

On April 19-21, and May 17-18, 2005, dissolved oxygen concentrations measured ranged from 1.0 milligrams per liter (mg/l) in monitoring well MW-18 to 5.0 mg/l in monitoring well DW-9. Dissolved oxygen in distilled water was 7.6 mg/l. Comparison of Tables 4 and 5 shows that areas with deleted dissolved oxygen concentrations coincide with areas of elevated petroleum hydrocarbons concentrations, and high dissolved oxygen concentrations coincide with areas of low to nonexistent petroleum hydrocarbons concentrations. This is an indication that petroleum hydrocarbons beneath the site are being biodegraded by aerobic respiration.

Nitrate was present in 29 of 39 wells, with detectable concentrations ranging from 0.11 mg/l in MW-41 to 18.4 mg/l in MW-49. Therefore, nitrate is occurring naturally. Areas of depleted nitrate correlate with areas of elevated BTEX concentrations; therefore, there is evidence that petroleum hydrocarbons beneath the site are being biodegraded through denitrification.

8.0 TIER II SITE EVALUATION

8.1 Site Conceptual Model and Exposure Points

A site conceptual exposure model was completed for the sites during the past two investigations and will be conducted by SCDHEC for this investigation.

8.2 Site Specific Point of Compliance

There are no primary exposure points for the former Handy Pantry #65. The unnamed creek/ditch 600 feet south of the two sites is considered the primary exposure point for the former Clouds Chevron. Underground utilities are not considered exposure points until the plume reaches within 100 feet from the unnamed creek/ditch since the deepest utility is less than five ft-bgs and the groundwater in the subject site area is located at a depth between 2 and 28 ft-bgs. Dissolved petroleum constituents have impacted the unnamed creek/ditch 600 feet south of the two sites shown by analytical results from the creek sample SW-1.

Four points of compliance will be established for the two plumes. Consultech recommends that monitoring wells MW-69 and DW-6 be established as the points of compliance between the former Handy Pantry #65 and points downgradient and monitoring wells MW-59 and DW-8 be established as the point of compliance between the former Clouds Chevron and downgradient from the unnamed creek/ditch.

8.3 Natural Attenuation Parameters Evaluation

On April 19-21, and May 17-18, 2005, dissolved oxygen concentrations measured ranged from 1.0 milligrams per liter (mg/l) in monitoring well MW-18 to 5.0 mg/l in monitoring well DW-9. Dissolved oxygen in distilled water was 7.6 mg/l. Comparison of Tables 4 and 5 shows that areas with deleted dissolved oxygen concentrations coincide with areas of elevated petroleum hydrocarbons concentrations, and high dissolved oxygen concentrations coincide with areas of low to nonexistent petroleum hydrocarbons concentrations. This is an indication that petroleum hydrocarbons beneath the site are being biodegraded by aerobic respiration.

Nitrate was present in 32 of 42 wells, with detectable concentrations ranging from 0.11 mg/l in MW-41 to 18.4 mg/l in MW-49. Therefore, nitrate is occurring naturally. Areas of depleted nitrate correlate with areas of elevated BTEX concentrations; therefore, there is evidence that petroleum hydrocarbons beneath the site are being biodegraded through denitrification.

Ferrous iron was present in 25 of 42 monitoring wells. Detectable concentrations were less than 13 mg/l, indicating that dissolved iron is naturally occurring at low levels. Measured ferrous iron (Fe^{+2}) concentrations range from 0.056 mg/l in MW-47 to 12.8 mg/l in MW-31. Areas of elevated BTEX concentrations coincide with most areas of elevated ferrous iron (Fe^{+2}) concentrations. This suggests that ferric iron (Fe^{+3}) oxides are being reduced to ferrous iron (Fe^{+2}) during biodegradation of petroleum hydrocarbons.

Sulfate was present in 36 of 39 wells, with detectable concentrations ranging from 1.7 mg/l in monitoring well MW-51 to 87.1 mg/l in monitoring well DW-8. The concentrations of sulfate are not consistently low in areas with elevated BTEX concentrations; therefore, there are no solid indications that anaerobic biodegradation of petroleum hydrocarbons is occurring by sulfate reduction.

8.4 Calculation of Site Specific Target Levels

SSTL Models were caculated in the two previous Tier II investigations and can be reviewed in those reports.

8.5 RBCA Site Classification

Based on the SCDHEC document "Risk Based Corrective Action for Petroleum Releases" dated May 15, 2001, Appendix A – RBCA Site Priority Classification System, Consultech classifies this release as a 1F. This site is classified as a 1F because chemicals of concern exist in the creek/ditch located 600 feet south of both UST sites. In addition, free product exists in three monitoring wells at a measured thickness greater than 0.01 foot.

9.0 RECOMMENDATIONS

The former Handy Pantry #65 petroleum hydrocarbon plume has migrated approximately 600 feet west of the former tank pit area. The edge of the hydrocarbon plume is currently downgradient of monitoring well MW-68 for the shallow plume and deep well DW-5 for the deep plume. There appears to be another UST release in the area of monitoring wells MW-41, MW-64, and MW-65 due to the increased concentrations in this area. In addition, the groundwater velocity is very slow and would not reach this far from the former Handy Pantry #65 petroleum hydrocarbon plume.

The former Clouds Chevron BP petroleum hydrocarbon plume has migrated approximately 600 feet south of the former UST system area. The edge of the shallow and deep hydrocarbon plume is currently at the unnamed creek/ditch which has been impacted by the hydrocarbon plume. The creek/ditch and monitoring wells upgradient should be remediated to reduce petroleum hydrocarbon concentrations at the creek/ditch to RBSLs for each chemical of concern.

Four points of compliance will be established for the two plumes. Consultech recommends that monitoring wells MW-69 and DW-6 be established as the points of compliance between the former Handy Pantry #65 and points downgradient and monitoring wells MW-59 and DW-8 be established as the point of compliance between the former Clouds Chevron and downgradient from the unnamed creek/ditch.

Based on our Tier II Site Evaluation, corrective action appears to be necessary at the subject site. The Domenico's Model should be rerun on current concentrations to determine site specific target levels (SSTLs) for the source area. The SSTLs were calculated in the two previous Tier II investigations and can be reviewed in those reports. In addition, monitoring wells MW-3, MW-10, and MW-18 should have the LPH reduced to less than 0.01 feet of thickness in each well.

In addition, an investigation should be conducted in the area of monitoring wells MW-41, MW-64, and MW-65 to determine where the unknown UST or petroleum source is located on the Benedict College property.

10.0 REFERENCES

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TABLE 1
Well Construction Details andGroundwater Elevation Data (ft)
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777

Monitoring Well	Date	Depth of Screen Below Ground Surface	TOC Elevation	Depth to Product from TOC	Depth to Water from TOC	Groundwater Elevation	
MW-1	12/30/03	17.0-27.0	104.67		21.45	83.22	
	02/08/05		93.89		22.95	70.94	
	04/19/05		93.89		22.89	71.00	
MW-2	12/30/03	20.0-30.0	105.5		23.30	82.19	
	02/08/05		94.7		24.13	70.57	
	04/19/05		94.7		24.08	70.62	
MW-3	12/30/03	19.0-29.0	105.22		23.44	81.78	
	02/08/05		94.45	23.30	30.04	64.41	
	04/19/05		94.45	23.70	24.13	70.32	0.43'
MW-4	12/30/03	18.0-28.0	105.64		21.29	84.35	
	02/08/05		94.85		22.34	72.51	
	04/19/05		94.85		22.89	71.96	
MW-5	12/30/03	16.0-26.0	105.59		22.92	82.67	
	04/19/05		95.26		23.58	71.68	
MW-6	12/30/03	20.0-30.0	105.77		23.55	82.22	
	02/08/05		94.96		24.43	70.53	
	04/19/05		94.96		24.30	70.66	
MW-7	12/30/03	20.0-30.0	106.76		23.59	83.17	
	02/08/05		95.93		24.54	71.39	
	04/19/05		95.93		24.52	71.41	
MW-8	12/30/03	18.5-28.5	105.57		20.28	85.29	
	02/08/05		94.79		21.93	72.86	
	04/19/05		94.79		21.90	72.89	
MW-9	12/30/03	20.0-30.0	103.77	22.74	22.75	81.02	
	04/19/05		92.3		23.54	68.76	
MW-10	12/30/03	18.0-28.0	97.38		17.44	79.94	
	02/08/05		85.98	17.85	18.98	67.00	
	04/19/05		85.98	17.73	18.52	67.46	0.79'

Monitoring Well	Date	Depth of Screen Below Ground Surface	TOC Elevation	Depth to Product from TOC	Depth to Water from TOC	Groundwater Elevation
MW-11	12/30/03		99.81		19.57	80.24
	02/08/05		88.46		20.36	68.10
	04/19/05		88.46		20.17	68.29
MW-12	12/30/03		84.16		4.75	79.41
	02/08/05		72.8		5.57	67.23
	04/19/05		72.8		5.25	67.55
MW-13	12/30/03		92.24		12.18	80.06
	02/08/05		80.44		12.17	68.27
	04/21/05		80.44		12.05	68.39
MW-15	12/30/03	15.0-25.0	97.9	17.56	17.58	80.29
	02/08/05		86.44	18.31	18.34	68.10
	04/21/05		86.44		18.14	68.30
MW-16	12/30/03	15.0-25.0	99.57		18.95	80.62
	02/08/05		88.19		19.87	68.32
	04/21/05		88.19		19.60	68.59
MW-17	12/30/03	20.0-30.0	103.95		23.74	80.21
	02/08/05		92.45		24.42	68.03
	04/21/05		92.45		24.20	68.25
MW-18	12/30/03	20.0-30.0	106.29	25.48	25.72	80.57
	02/08/05		94.81	26.45	26.76	68.05
	04/19/05		94.81	26.26	26.28	68.53
MW-19	12/30/03	20.0-30.0	105.45		24.59	80.86
	02/08/05		93.96		25.52	68.44
	04/21/05		93.96		25.00	68.96
MW-20	12/30/03	15.0-25.0	106.04		23.05	82.99
	02/08/05		94.12		24.00	70.12
	04/21/05		94.12		23.51	70.61
MW-21	12/30/03	15.0-25.0	103.87		21.03	82.84
	04/21/05		Destroyed			Destroyed
MW-22	12/30/03	20.0-30.0	105.61		22.36	83.25
	02/08/05		94.25	23.25	23.28	70.97
	04/21/05		94.25		22.78	71.47
MW-23	12/30/03	20.0-30.0	105.52		24.82	80.70
	02/08/05		94.43		25.80	68.63
	04/21/05		94.43		25.32	69.11

0.02'

Monitoring Well	Date	Depth of Screen Below Ground Surface	TOC Elevation	Depth to Product from TOC	Depth to Water from TOC	Groundwater Elevation
MW-24	12/30/03	20.0-30.0	105.34		23.88	81.46
	02/08/05		93.94		24.80	69.14
	04/21/05		93.94		24.35	69.59
MW-25	12/30/03		103.68		21.23	82.45
	02/08/05		93.09		22.35	70.74
	04/21/05		93.09		21.89	71.20
MW-26	12/30/03		106.56		20.50	86.06
	04/21/05		95.96		23.36	72.60
MW-27	04/20/05	15.0-30.0	91.4		17.02	74.38
MW-28	04/20/05	15.0-30.0	91.46		18.87	72.59
MW-29	04/20/05	15.0-30.0	91.09		19.06	72.03
MW-30	04/20/05	15.0-30.0	92.77		22.86	69.91
MW-31	04/20/05	20.0-35.0	95.2		26.51	68.69
MW-32	04/20/05	15.0-30.0	92.87		23.66	69.21
MW-33	04/20/05	20.0-35.0	93.84		25.27	68.57
MW-34	04/20/05	20.0-35.0	94.77		26.11	68.66
MW-35	04/20/05	20.0-35.0	93.71		25.14	68.57
MW-36	04/20/05	20.0-35.0	93.89		24.96	68.93
MW-37	04/20/05	20.0-35.0	93.78		25.25	68.53
MW-38	04/20/05	20.0-35.0	95.53		26.78	68.75
MW-39	04/20/05	20.0-35.0	96.19		27.65	68.54
MW-40	04/20/05	20.0-35.0	95.69		27.31	68.38
MW-41	04/20/05	20.0-35.0	94.85		26.68	68.17
MW-42	04/20/05	20.0-35.0	95.81		27.53	68.28
MW-43	04/21/05	20.0-40.0	95.15		26.28	68.87
MW-44	04/21/05	16.0-31.0	94.57		25.03	69.54
MW-45	04/21/05	15.0-30.0	92.51		23.39	69.12
MW-46	04/21/05	20.0-35.0	94.5		25.71	68.79
MW-47	04/21/05	20.0-35.0	92.44		23.61	68.83
MW-48	04/21/05	15.0-30.0	89.95		20.75	69.20
MW-49	04/21/05	15.0-30.0	88.18		18.39	69.79
MW-50	04/21/05	15.0-30.0	84.09		15.15	68.94

Monitoring Well	Date	Depth of Screen Below Ground Surface	TOC Elevation	Depth to Product from TOC	Depth to Water from TOC	Groundwater Elevation
MW-51	04/21/05	20.0-35.0	93.91		24.66	69.25
MW-52	04/21/05	15.0-30.0	90.21		21.88	68.33
MW-53	04/21/05	5.0-20.0	79.6		11.55	68.05
MW-54	04/21/05	5.0-20.0	77.58		12.31	65.27
MW-55	04/21/05	4.0-14.0	71.22		4.88	66.34
MW-56	04/21/05	5.0-20.0	76.39		8.90	67.49
MW-57	04/21/05	4.0-14.0	67.2		1.41	65.79
MW-58	04/21/05	4.0-19.0	76.37		10.65	65.72
MW-59	04/21/05	2.0-17.0	68.02		4.64	63.38
MW-60	04/21/05	4.0-14.0	67.94		5.29	62.65
MW-5aR	04/20/05	18.0-28.0	94.18		22.68	71.50
PW-1R	04/20/05	45.0 - 50.0	93.75		25.16	68.59
RW-1R	04/20/05	9.0-29.0	93.66		24.69	68.97
DW-1	12/30/03	65.0 - 70.0	105.43		45.44	59.99
	04/21/05		94.66		45.38	49.28
DW-2	12/30/03	70.0 - 75.0	104.82		44.67	60.15
	04/21/05		94.02		44.55	49.47
DW-3	12/30/03	47.0 - 52.0			24.54	
	02/08/05		93.75		24.95	68.80
	04/21/05		93.75		25.27	68.48
DW-4	04/21/05	105.0 - 110.0	93.79		42.68	51.11
DW-5	04/21/05	65.0 - 70.0	93.74		43.77	49.97
DW-6	04/21/05	65.0 - 70.0	95.9		46.38	49.52
DW-7	04/21/05	50.0 - 55.0	72.79		24.71	48.08
DW-8	04/21/05	50.0 - 55.0	68.63		21.21	47.42
DW-9	05/17/05	60.0 - 65.0	76.47		28.78	47.69
MW-61	05/17/05	20.0 - 35.0	91.00		21.25	69.75
MW-62	05/17/05	20.0 - 35.0	94.05		24.99	69.06
MW-63	05/17/05	20.0 - 35.0	94.65		26.41	68.24
MW-64	05/17/05	20.0 - 35.0	94.36		26.74	67.62
MW-65	05/17/05	20.0 - 35.0	94.04		26.46	67.58
MW-66	05/17/05	20.0 - 35.0	95.25		27.50	67.75
MW-67	05/17/05	20.0 - 35.0	96.10		27.72	68.38
MW-68	05/18/05	20.0 - 35.0	94.02		26.46	67.56
MW-69	05/18/05	20.0 - 35.0	94.36		26.85	67.51
MW-70	05/18/05	20.0 - 35.0	95.49		27.30	68.19

1) All TOC elevations relative to an arbitrary assigned datum of 93.97 feet onsite.

2) Corrected groundwater elevation = TOC - (measured water level - (0.78 x product thickness))

3) Screening depths are unknown for wells MW-11,MW-12,MW-13,MW-25,MW-26.

4) Wells MW-61 through MW-70 and DW-9 were tied into original survey by Consultech.

Table 2
PID Field Readings
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777

Sample	Date	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64	Water Sample PID
SB-1	02/08/05	0.0	0.0	0.0	0.0	13.6	436											436
SB-2	02/08/05	0.0	0.0	1.4	2.0	45.6	370											370
SB-3	02/08/05	0.0	0.8	1.3	3	10.6	17.1											17.1
SB-4	02/08/05	0.0	0.0	0.0	0.0	0.0	0.0	0.0										0.0
SB-5	02/08/05	0.0	0.0	0.0	4.5	6.8	2.3											2.3
SB-6	02/08/05	0.0	0.0	0.0	0.0	0.0	0.0											0.0
SB-7	02/08/05	1.8	2.4	5.0	26	126	211											211
SB-8	02/09/05	1.2	2.7	6.0	19.2	26.9	32.4	40.1										32.4
SB-9	02/09/05	0.5	3.1	6.2	12.1	12.4	26.9											26.9
SB-10	02/09/05	0.2	0.3	0.9	5.1	6.0	8.8											8.8
SB-11	02/09/05	1.3	2.1	2.9	62.6	222	232											232
SB-12	02/09/05	2.5	5.1	5.7	57.5	39.4	19.4											19.4
SB-13	02/09/05	0.3	0.6	1.2	1.8	9.7	13.5											13.5
SB-14	02/09/05	1.3	2.5	5.3	11.2	22.1	46	0.0										45.5
SB-15	02/10/05	0.5	3.2	5.2	8.0	9.2	21.3											21.3
SB-16	02/10/05	1.4	2.4	2.7	4.6	3.0	5.1	129.0										11.9
SB-17	02/10/05	0.0	0.0	1.2	1.0	1.2	2.3	0.0										2.0
SB-18	02/10/05	0.0	0.8	2.4	2.4	2.5	6.0	152										152
SB-19	02/10/05	0.0	0.0	10.8	53.4	10.2	60.2	7.2										60.2
SB-20	02/10/05	0.0	0.0	6.4	20.4	35.1	40.3	2.3										19.4
SB-21	02/10/05	0.0	1.2	1.6	8.3	18.6	40.2	63.4										63.4
SB-22	02/11/05	0.0	0.0	1.2	4.9	10.3	31.2	90.2										90.2
SB-23	02/11/05	3.4	12.3	85.2	6.2	275	353	196										196
SB-24	02/11/05	1.2	4.9	6.4	10.3	18.6	35.4	818										818
SB-25	02/11/05	0.0	1.1	8.3	22.7	387	402											402
SB-26	02/11/05	1.3	15.2	109	115	232	173	60.1										60.1
SB-27	02/15/05	0.0	0.0	0.9	12.5	53.9	102	303										303
SB-28	02/15/05	0.0	0.0	3.3	31.9	41.2	92.1	397										397
SB-29	02/15/05	0.0	0.0	1.2	12.1	34.6	76.2	356										356
SB-30	02/15/05	0.0	0.0	5.6	25.9	31.4	77.7	418										75
SB-31	02/15/05	0.0	1.8	3.2	10.1	50.0	18.8											12.8
SB-32	02/15/05	0.0	0.0	0.0	0.0	4.4	14.8											10.8
SB-33	02/15/05	0.0	0.0	21.2	81.9	542	28.7											127
SB-34	02/15/05	0.0	0.0	0.0	43.5	40.4												245
SB-35	02/16/05	0.0	0.0	0.0	21.6	122												122
SB-36	02/16/05	0.0	0.0	47.9	58.0	1.2												1.2
SB-37	02/16/05	0.0	0.0	3.4	14.2	6.1												6.1
SB-38	02/16/05	0.0	0.0	0.0														0.0
SB-39	02/16/05	0.0	0.0	0.0	0.0	0.0	6.2	0.0										6.2
SB-40	02/16/05	0.0	0.0	0.0	0.0	0.0	0.0											0.0
SB-41	02/16/05	0.0	0.0	0.0	0.0	13.4	2.8											10.4
SB-42	02/16/05	0.0	0.0	0.0	1.2	20.6	80.4	303										303
SB-43	02/16/05	0.0	0.0	0.0	6.3	91.4	80.4	274										274
SB-44	02/16/05	0.0	0.0	0.0	1.4	6.3	21	101										54.2
SB-45	02/16/05	0.0	0.0	0.0	3.9	6.2	95.1											95.1
SB-46	02/17/05	0.0	0.0	0.0	0.0	6.2	7.4	378										378
SB-47	02/17/05	0.0	0.0	0.0	10.1	44.7	13.2	630										23.6

Sample	Date	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64	Water Sample PID
SB-48	02/17/05	0.0	0.0	0.0	0.0	2.7	6.3	27.9										4.7
SB-49	02/17/05	0.0	0.0	0.0	0.0	0.0	0.0	4.0										4.0
SB-50	02/17/05	0.0	0.0	0.0	0.0	0.0	0.0											0.0
SB-51	02/17/05	0.0	0.0	0.0	0.0	0.0	0.0											0.0
SB-52	02/17/05	0.0	4.6	94.7	60.7	12.3												12.3
SB-53	02/17/05	0.0	0.0	0.0	0.0	0.0												0.0
SB-54	02/17/05	0.0	0.0	0.0	0.0	0.0	0.0											0.0
SB-55	02/17/05	0.0	0.0	0.0	0.0	0.0	1.2	2.3										1.5
SB-56	02/22/05	0.0	0.0	0.0	0.0	1.2	3.4	5.3										4.5
SB-57	02/22/05	0.0	0.0	10.2	12.5	22.5	29.2	914										914
SB-58	02/22/05	0.0	0.0	0.0	3.2	5.6	7.9	12.7										12.7
SB-59	02/22/05	0.0	0.0	0.0	1.4	4.6	7.2	10.1										10.1
SB-60	02/22/05	0.0	0.0	0.0	0.0	1.1	1.2	2.3										2.3
SB-61	02/22/05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0									0.0
SB-62	02/22/05	0.0	0.0	0.0	0.0	5.1	6.8	37.9										37.9
SB-63	02/22/05	0.0	0.0	0.0	0.0	0.0	0.0											0.0
SB-64	02/23/04	0.0	1.5	8.1	10.8	15.6	41.4	1015										1841
SB-65	02/23/04	0.0	0.0	1.3	3.4	8.4	18.8	60.7										83.1
SB-66	02/23/04	0.0	0.0	0.0	1.2	2.5												2.5
SB-67	02/23/04	4.1	6.2	14.5														6.2
SB-68	02/23/04	4.0	4.4	13.9														6.0
SB-69	02/23/04	0.8	5.0	3.2														3.2
SB-70	02/23/04	3.5	5.9	13.7														13.7
SB-71	02/23/04	1.2	0.0	13.7														13.7
SB-72	02/23/04	0.0	0.0	0.0	0.0	5.6	12.4	104										104
SB-73	02/23/04	0.0	0.0	0.0	1.2	4.2	6.4	6.5										6.5
SB-74	02/23/04	0.0	0.0	0.0	0.0	1.2	5.2	36.8										36.8
SB-75	02/23/04	0.0	0.0	0.0	0.0	0.0	0.5	3.2										1.4
SB-76	02/23/04	0.0	0.0	0.0	0.0	0.0	6.2	7.4										7.4
SB-77	02/23/04	0.0	0.0	2.7	6.3	12.0	25.1	105										105
SB-78	02/23/04	0.0	0.0	0.0	4.5	7.9	62.3	205										184
SB-79	02/24/05	0.0	0.0	0.0	0.0	0.0	0.0	0.0										0.0
WS-1	02/24/05																	31 ft
WS-2	02/24/05																	26 ft
WS-3	02/24/05																	24 ft
WS-4	02/24/05																	14 ft
WS-5	02/24/05																	14 ft
WS-6	02/24/05																	24 ft
WS-7	02/24/05																	28 ft
WS-8	02/24/05																	28 ft
WS-9	02/24/05																	28 ft
WS-10	02/24/05																	14 ft dry
WS-10a	02/24/05																	16 ft
DSB-1	02/24/05	4.3	6.5	8.6	12.4	20.1	60.7	387	1923	1975	1342	1219	987	875	912	443	195	

WS borings are direct-push groundwater samples only

Table 3
BTEX and PNA Analytical Results (mg/kg)
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene
RBSL		*0.007*	*1.45*	*1.15*	*14.5*	*0.036*
MW-57	03/21/05	**0.120**	0.064	0.011	0.038	<0.004
MW-58	03/22/05	**0.481**	0.008	0.054	0.023	0.032
MW-56	03/21/05	<0.001	<0.001	<0.001	<0.001	<0.004
MW-54	03/22/05	**0.015**	<0.002	<0.002	<0.002	<0.006
MW-53	03/22/05	**0.017**	<0.002	<0.002	<0.002	<0.005
MW-52	03/23/05	<0.002	<0.002	<0.002	<0.002	<0.004
MW-45	03/24/05	<0.002	<0.002	<0.002	<0.002	<0.004
MW-43	03/24/05	<0.002	<0.002	<0.002	<0.002	<0.004
MW-47	03/31/05	<0.002	<0.002	<0.002	<0.002	<0.004
MW-49	03/31/05	<0.002	<0.002	<0.002	<0.002	<0.004
MW-28	03/31/05	<0.002	<0.002	<0.002	<0.002	<0.004
MW-33	03/30/05	**0.818**	**2.400**	0.292	1.450	**<0.192**
MW-32	03/30/05	**0.017**	0.331	0.553	1.920	**0.876**
MW-35	03/30/05	**0.032**	0.081	0.058	0.144	0.015
MW-36	03/30/05	**0.020**	0.053	0.025	0.100	**0.112**
MW-34	04/01/05	**<0.074**	0.466	0.174	0.954	**<0.185**
MW-37	04/01/05	**0.100**	0.066	0.072	0.111	0.035
MW-38	04/04/05	<0.002	<0.002	<0.002	<0.002	<0.005
MW-39	04/04/05	<0.002	0.006	<0.002	0.005	0.010
MW-41	04/04/05	**0.121**	0.660	0.172	0.693	**0.073**

Table 4
Groundwater Field Parameter Measurements
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777

Well Number	Date	Dissolved oxygen mg/l	pH	Temperature Degrees Celcius	Conductivity us/cm
MW-1	11/18/03	NA	5.3	23.5	101
	04/19/05	3.1	5.4	18.1	183
MW-2	11/18/03	NA	5.2	23.8	95
	04/19/05	3.2	4.8	19.0	125
MW-3	10/27/03	NA	7.1	22.6	134
	04/19/05	1.1	4.9	17.1	845
MW-4	11/18/03	NA	5.6	24.7	114
	04/19/05	3.6	6.0	19.1	246
MW-5	10/27/03	NA	7.9	21.8	184
	04/19/05	2.9	6.0	19.8	84
MW-6	11/18/03	NA	5.1	24.5	124
	04/19/05	2.0	5.4	20.0	762
MW-7	11/18/03	NA	4.9	24.3	105
	04/19/05	3.4	5.8	20.1	146
MW-8	11/18/03	NA	4.9	24.6	85
	04/19/05	4.0	7.0	19.5	113
MW-9	11/18/03	LPH	LPH	LPH	LPH
	04/19/05	1.8	5.2	20.2	794
MW-10	11/18/03	LPH	LPH	LPH	LPH
	04/19/05	1.3	5.1	20.1	1243
MW-11	11/18/03	NA	4.8	22.8	65
	04/19/05	2.4	7.2	20.8	346
MW-12	11/18/03	NA	5.5	25.7	229
	04/21/05	3.2	6.4	19.4	107
MW-13	11/18/03	NA	4.6	23.8	192
	04/21/05	3.6	6.0	18.3	336

Well Number	Date	Dissolved oxygen mg/l	pH	Temperature Degrees Celcius	Conductivity us/cm
MW-15	11/18/03	LPH	LPH	LPH	LPH
	04/19/05	1.4	5.4	17.9	813
MW-16	11/18/03	NA	6.9	23.1	353
	04/21/05	1.8	5.1	18.6	722
MW-17	11/18/03	LPH	LPH	LPH	LPH
	04/21/05	1.4	4.9	19.2	694
MW-18	10/29/03	LPH	LPH	LPH	LPH
	04/20/05	1.0	5.2	19.6	988
MW-19	10/29/03	LPH	LPH	LPH	LPH
	04/20/05	1.2	5.1	19.6	617
MW-20	10/29/03	NA	4.7	21.1	568
	04/20/05	3.6	6.3	18.4	139
MW-21	10/29/03	NA	5.5	20.2	580
	04/20/05	Destroyed	Destroyed	Destroyed	Destroyed
MW-22	11/25/03	NA	5.5	23.1	255
	04/20/05	4.1	6.8	18.3	97
MW-23	11/25/03	NA	5.5	23.1	97
	04/20/05	2.9	6.5	19.6	86
MW-24	11/25/03	NA	4.7	24.3	102
	04/20/05	3.2	6.4	20.1	72
MW-25	10/29/03	NA	6.1	19.6	589
	04/20/05	2.4	6.0	18.4	804
MW-26	11/25/03	NA	4.5	24.1	89
	04/21/05	2.4	6.2	19.2	83
MW-5a	11/25/03	NA	6.7	22.9	95
MW-5aR	04/20/05	3.4	5.2	18.3	143
PW-1	10/29/03	NA	5.9	21.2	571
PW-1R	04/20/05	3.2	5.3	19.2	119
RW-1	10/29/03	LPH	LPH	LPH	LPH
RW-1R	04/20/05	2.0	6.0	18.1	72
MW-27	04/20/05	3.1	6.4	18.4	94
MW-28	04/20/05	3.6	7	19.1	105
MW-29	04/20/05	3.7	7.4	18.4	83
MW-30	04/20/05	3.1	6.3	17.8	41

Well Number	Date	Dissolved oxygen mg/l	pH	Temperature Degrees Celcius	Conductivity us/cm
MW-31	04/20/05	3.0	6.4	16.1	125
MW-32	04/21/05	2.8	6.9	18.4	215
MW-33	04/20/05	2.9	6.4	19.2	106
MW-34	04/20/05	3.1	7.1	18.3	113
MW-35	04/20/05	3.4	7.3	19.4	162
MW-36	04/20/05	3.8	6.1	20.1	168
MW-37	04/20/05	3.9	6	18.1	149
MW-38	04/20/05	2.4	6.7	20.0	131
MW-39	04/20/05	3.1	6.0	18.3	189
MW-40	04/20/05	3.0	6.7	17.9	174
MW-41	04/20/05	3.3	6.3	19.4	93
MW-42	04/20/05	3.0	6.3	19.3	62
MW-43	04/21/05	2.6	6.1	19.7	110
MW-44	04/21/05	2.8	6.7	18.6	234
MW-45	04/21/05	2.4	6.2	19.4	185
MW-46	04/21/05	3.0	6.3	18.3	106
MW-47	04/21/05	3.2	6.9	18.1	115
MW-48	04/21/05	2.5	7.0	18.5	245
MW-49	04/21/05	3.0	6.1	19.8	210
MW-50	04/21/05	3.1	6.4	18.7	116
MW-51	04/21/05	3.1	6.7	20.1	84
MW-52	04/21/05	3.0	6.5	18.8	135
MW-53	04/21/05	3.4	6.5	18.9	72
MW-54	04/21/05	2.9	6.7	18.1	64
MW-55	04/21/05	2.8	6.4	18.9	74
MW-56	04/21/05	3.4	6.3	19.2	81
MW-57	04/21/05	2.0	6.2	18.4	76
MW-58	04/21/05	2.1	6.1	19.1	84
MW-59	04/21/05	3.6	6.3	18.3	115
MW-60	04/21/05	3.6	6.4	17.2	96

Well Number	Date	Dissolved oxygen mg/l	pH	Temperature Degrees Celcius	Conductivity us/cm
DW-I	10/27/03	NA	10.9	21.0	1150
	04/20/05	3.1	7.8	18.3	484
DW-2	10/27/03	NA	9.7	20.7	147
	04/20/05	3.0	7.9	16.9	42
DW-3	12/30/03	NA	10.8	22.1	1232
	04/20/05	1.4	7.7	18.1	796
DW-4	04/21/05	2.9	6.3	18.6	142
DW-5	04/21/05	3.1	6.3	18.7	64
DW-6	04/20/05	3.6	6.4	19.0	52
DW-7	04/21/05	2.9	6	19.3	144
DW-8	04/21/05	4.0	5.7	19.1	131
Creek	11/18/03	NA	NA	NA	NA
SW-1	04/21/05	1.9	5.1	22.4	319
DW-9	05/17/05	5.0	6.6	22.2	68
MW-61	05/17/05	4.0	5.3	24.6	142
MW-62	05/17/05	3.9	4.8	24.2	398
MW-63	05/17/05	4.1	5.1	23.5	169
MW-64	05/17/05	2.9	5.6	23.9	143
MW-65	05/17/05	2.0	5.4	24.8	217
MW-66	05/17/05	3.2	5.9	24.2	29
MW-67	05/17/05	4.1	5.3	25.0	68
MW-68	05/18/05	3.9	6.2	25.4	112
MW-69	05/18/05	2.4	5.7	27.1	85
MW-70	05/18/05	3.5	5.9	26.4	69

Note: 1) The temperature was measured in degrees Celcius
2) NA - Not available

Table 5
BTEX and PNA Groundwater Analytical Results (ug/l)
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Napthalenes	1,2 DCA
RBSL		*5*	*1,000*	*700*	*10,000*	*40*	*25*	*NA*
MW-1	11/18/03	<1	1.3	<1	1.6	<1	<5	NS
	04/19/05	<1	<1	<1	<1	<1	<5	<1
MW-2	11/18/03	**17,900**	**34,600**	**3,630**	**17,000**	**6,150**	**<250**	NS
	04/19/05	**4,230**	**9,910**	**1,250**	8,540	**4,910**	**1,410**	<1
MW-3	10/27/03	**11,300**	**72,500**	**3,980**	**20,800**	**20,200**	**870**	NS
	04/19/05	**5,620**	**14,200**	**2,940**	7,530	**10,900**	**910**	<5
MW-4	11/18/03	<1	1.8	<1	2.8	1.2	<5	NS
	04/19/05	<1	<1	<1	<1	2.6	<5	<1
MW-5	10/27/03	**779**	968	336	2,020	**89.5**	**1240**	NS
	04/19/05	**1,140**	**4,790**	**1,940**	**10,400**	13	**570**	<1
MW-6	11/18/03	**13.2**	3.8	<1	66.5	<1	<5	NS
	04/19/05	**16.1**	1.5	<1	119.0	<1	7.1	<1
MW-7	11/18/03	<1	<1	<1	<1	<1	<5	NS
	04/19/05	<1	<1	<1	<1	<1	<5	<1
MW-8	11/18/03	<1	<1	<1	<1	<1	<5	NS
	04/19/05	<1	<1	<1	<1	<1	<5	<1
MW-9	11/18/03	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	NS
	04/19/05	**2,280**	**9,010**	**773**	**5,230**	34.3	**900**	<1
MW-10	11/18/03	**.10' LPH**	**.10' LPH**	**.10' LPH**	**.10' LPH**	**.10' LPH**	**.10' LPH**	NS
	04/19/05	**6,200**	**23,800**	**3,320**	**33,200**	**890**	**1,440**	422
MW-11	11/18/03	**28.4**	46.4	1.2	9.3	<1	<5	NS
	04/19/05	**34.5**	20.0	2.0	8.0	<1	<5	<1
MW-12	11/18/03	**5,400**	125	489	203	**682**	**<50**	NS
	04/21/05	**8,550**	**4,000**	**1,460**	2,640	**69**	**314**	<1
MW-13	11/18/03	**120**	<1	17	43	8	<5	NS
	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-15	11/18/03	**.03' LPH**	**.03' LPH**	**.03' LPH**	**.03' LPH**	**.03' LPH**	**.03' LPH**	NS
	04/19/05	**565**	**1,950**	617	3,760	5.6	**859**	<1
MW-16	11/18/03	**436**	300	66	244	<10	**<50**	NS
	04/21/05	<1	1.6	<1	7.7	<1	<5	<1
MW-17	11/18/03	**.65' LPH**	**.65' LPH**	**.65' LPH**	**.65' LPH**	**.65' LPH**	**.65' LPH**	NS
	04/21/05	**4,720**	**32,600**	**4,440**	**23,700**	2.2	**620**	<1
MW-18	10/29/03	**.13' LPH**	**.13' LPH**	**.13' LPH**	**.13' LPH**	**.13' LPH**	**.13' LPH**	NS
	04/20/05	**6,910**	**17,400**	**2,530**	**13,800**	**8,920**	**1,580**	<10
MW-19	10/29/03	**.02' LPH**	**.02' LPH**	**.02' LPH**	**.02' LPH**	**.02' LPH**	**.02' LPH**	NS
	04/20/05	**18,200**	**63,600**	**2,980**	**16,300**	**962**	**2,290**	<10

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Napthalenes	1,2 DCA
MW-20	10/29/03	**24,200**	**38,600**	**2,760**	**12,800**	**6,300**	**1,050**	NS
	04/20/05	**12,800**	**23,400**	**1,630**	**12,400**	**18000**	**1430**	<10
MW-21	10/29/03	**18.9**	240	537	3,830	<1	**116**	NS
	04/20/05	destroyed	destroyed	destroyed	destroyed	destroyed	destroyed	destroyed
MW-22	11/25/03	**30,000**	**48,200**	**6,550**	**31,900**	**1,560**	**3,380**	NS
	04/20/05	**800**	**3,640**	126	760	**1,800**	**148**	<20
MW-23	11/25/03	**43,000**	**85,500**	**4,140**	**85,000**	**5,800**	**1,140**	NS
	04/20/05	**1,770**	**1,250**	195	1,650	**1,390**	**140**	<10
MW-24	11/25/03	**35,000**	**37,600**	**2,760**	**12,300**	**7,750**	**595**	NS
	04/20/05	**1,340**	**1,520**	98	1,730	**610**	**66.5**	<5
MW-25	10/29/03	**10,300**	**37,400**	**3,300**	**17,600**	**80.0**	**1,080**	NS
	04/20/05	**6,900**	**41,800**	**7,800**	**45,600**	17.7	**3,180**	<1
MW-26	11/25/03	<1	<1	<1	<1	<1	<5	NS
	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-5a	10/27/03	**376**	960	510	2,560	<1	**89.8**	NS
MW-5aR	04/20/05	**2,250**	**3,100**	**1,500**	7,740	**2,500**	**796**	<20
PW-1	10/29/03	**3,230**	90	343	924	**1,850**	**290**	NS
PW-1R	04/20/05	**2,740**	**2,640**	**732**	2,460	**2,040**	**250**	<1
RW-1	10/29/03	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	NS
RW-1R	04/20/05	**9,700**	**17,000**	**2,800**	7,150	**3,100**	**932**	<20
MW-27	04/20/05	<1	1	<1	<1	<1	<5	<1
MW-28	04/20/05	<1	<1	<1	<1	<1	<5	<1
MW-29	04/20/05	<1	<1	<1	<1	<1	<5	<1
MW-30	04/20/05	<1	<1	<1	<1	<1	<5	<1
MW-31	04/20/05	**227**	251	261	450	2.2	**82.9**	<1
MW-32	04/21/05	**264**	740	406	2,440	<5	**176**	6.5
MW-33	04/20/05	**3,860**	**7,820**	938	4,660	25.6	**164**	<1
MW-34	04/20/05	**2,020**	**9,180**	**1,840**	**10,300**	<1	**1,060**	<1
MW-35	04/20/05	**4,090**	**4,060**	296	1,590	**1,730**	**238**	<10
MW-36	04/20/05	**302**	621	165	427	3.7	**29.4**	<1
MW-37	04/20/05	**764**	**1,750**	**780**	1,870	<1	**158**	<1
MW-38	04/20/05	<1	<1	<1	<1	<1	<5	<1
MW-39	04/20/05	**3,680**	**23,200**	**3,050**	**16,800**	**66.0**	**2,120**	<20
MW-40	04/20/05	**1,940**	**7,660**	**3,880**	5,220	1.8	**1,140**	<1
MW-41	04/20/05	**869**	**8,580**	462	2,370	<1	**182**	<1
MW-42	04/20/05	**16.0**	**2,460**	546	2,980	<1	**124**	<1
MW-43	03/24/05	<1	<1	<1	<1	<1	<5	<1
MW-43	04/21/05	<1	1	<1	<1	<1	<5	<1
MW-44	03/24/05	<1	<1	<1	<1	<1	<5	<1
MW-44	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-45	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-46	04/21/05	<1	<1	<1	<1	<1	<5	<1

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Napthalenes	1,2 DCA
MW-47	04/21/05	**5.8**	<1	<1	7.5	<1	<5	<1
MW-48	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-49	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-50	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-51	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-52	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-53	04/21/05	1.3	<1	<1	<1	<1	<5	<1
MW-54	04/21/05	**139**	<1	<1	2.8	14.8	<5	<1
MW-55	04/21/05	**213**	<1	5.8	<1	**329**	16.9	18.6
MW-56	03/22/05	<1	<1	<1	<1	<1	<5	NS
	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-57	03/22/05	**2,500**	**1,900**	360	1,400	**970**	**<50**	NS
	04/21/05	**8,390**	**5,400**	**1,170**	**4,390**	**1,590**	**240**	<1
MW-58	04/21/05	**5,920**	162	380	159	**442**	**218**	<1
MW-59	03/22/05	<1	<1	<1	<1	<1	<5	NS
	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-60	04/21/05	1.0	<1	<1	<1	<1	<5	<1
DW-1	10/27/03	<1	4.1	1.7	9	<1	<5	NS
	04/20/05	<1	<1	<1	<1	<1	<5	<1
DW-2	10/27/03	2.0	1.6	<1	1.6	4.6	<5	NS
	04/20/05	3.1	6.7	1.1	5.8	4.8	**<5**	<1
DW-3	12/30/03	**7,160**	**5,320**	**1,130**	2,660	**2,260**	**256**	<1
	04/20/05	**6,350**	**4,600**	265	2,400	**5,350**	**86.7**	<1
DW-4	04/21/05	**74.0**	380	102	524	11.5	**48.0**	9.5
DW-5	04/21/05	2.8	6.4	1.4	1.8	<1	<5	1.9
DW-6	04/20/05	<1	3.2	<1	3.2	<1	<5	<1
DW-7	04/21/05	**87.0**	69.4	11.2	33.1	17.2	8.0	<1
DW-8	04/21/05	<1	<1	<1	<1	<1	<5	<1
Creek	11/18/03	<1	<1	<1	<1	1	<5	NS
SW-1	04/21/05	**200**	38.1	11.7	28.8	**143**	<5	4.7
ST-1	06/02/05	**390**	110	31.0	67.0	**140**	5.3	NS
DW-9	05/17/05	**6.8**	1.5	<1	<1	<1	<5	NS
MW-61	05/17/05	<1	<1	<1	<1	<1	<5	NS
MW-62	05/17/05	<1	<1	<1	<1	<1	<5	NS
MW-63	05/17/05	<1	<1	<1	<1	<1	<5	NS
MW-64	05/17/05	**2,460**	76.6	382	48.8	**444**	**151**	NS
MW-65	05/17/05	**2,860**	**2,610**	**1,760**	1,720	**43.7**	**745**	NS
MW-66	05/17/05	3.8	2.3	5.2	318	<1	**80.1**	NS
MW-67	05/17/05	<1	<1	<1	2.6	<1	<5	NS
MW-68	05/18/05	**6.6**	<1	<1	<1	<1	<5	NS
MW-69	05/18/05	<1	<1	<1	<1	<1	<5	NS
MW-70	05/18/05	<1	<1	<1	<1	<1	<5	NS

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Napthalenes	1,2 DCA
WS-1 31'	02/23/05	<1	1.4	1.3	6.7	<1	<5	NS
WS-2 26'	02/24/05	<1	<1	<1	<1	<1	<5	NS
WS-3 24'	02/24/05	<1	<1	<1	<1	<1	<5	NS
WS-4 14'	02/24/05	<1	<1	<1	<1	<1	<5	NS
WS-5 14'	02/24/05	**972**	<1	16.3	<1	**516**	**39.2**	NS
WS-6 24'	02/24/05	<1	<1	<1	2.4	<1	<5	NS
WS-7 28'	02/24/05	<1	<1	<1	<1	<1	<5	NS
WS-8 28'	02/24/05	<1	<1	<1	<1	<1	<5	NS
WS-9 28'	02/24/05	<1	<1	<1	<1	<1	<5	NS
WS-10 16'	02/24/05	**4,300**	113	93	148	**506**	**142**	NS

Table 6
Groundwater Natural Attenuation, EDB, and Lead Results
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777

Well Number	Date	EDB (ug/l)	Total 8-Oxygenates	Total Lead (mg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Dissolved Iron (mg/l)	Methane (mg/l)
RBSL		0.05	NA	0.015	NA	NA	N/A	N/A
MW-1	11/18/03	<0.02	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	101.8	<0.005	NM	NM	NM	NM
MW-2	11/18/03	**108**	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	14,463	**0.211**	NM	NM	NM	NM
MW-3	10/27/03	**66.1**	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	19,820	**1.050**	NM	NM	NM	NM
MW-4	11/18/03	**0.15**	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	<10	<0.005	NM	NM	NM	NM
MW-5	10/27/03	**1.62**	NM	NA	NA	NA	NA	NM
	04/19/05	**2.81**	1,478	**0.289**	NM	NM	NM	NM
MW-6	11/18/03	<0.02	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	533.5	0.006	NM	NM	NM	NM
MW-7	11/18/03	<0.02	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	<10	0.009	NM	NM	NM	NM
MW-8	11/18/03	<0.02	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	<10	<0.005	NM	NM	NM	NM
MW-9	11/18/03	NM	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	4,680.3	**0.029**	NM	NM	NM	NM
MW-10	11/18/03	NM	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	30,884	<0.005	NM	NM	NM	NM
MW-11	11/18/03	<0.02	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	1,742.5	<0.005	NM	NM	NM	NM
MW-12	11/18/03	0.04	NM	NA	NA	NA	NA	NM
	04/21/05	**0.10**	11,668.3	<0.005	NM	NM	NM	NM

Well Number	Date	EDB (ug/l)	Total 8-Oxygenates	Total Lead (mg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Dissolved Iron (mg/l)	Methane (mg/l)
MW-13	11/18/03	<0.02	NM	NA	NA	NA	NA	NM
	04/21/05	<0.02	<10	<0.005	NM	NM	NM	NM
MW-15	11/18/03	NM	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	1,185.3	<0.005	NM	NM	NM	NM
MW-16	11/18/03	<0.02	NM	NA	NA	NA	NA	NM
	04/21/05	<0.02	187.7	<0.005	NM	NM	NM	NM
MW-17	11/18/03	NM	NM	NA	NA	NA	NA	NM
	04/21/05	<0.02	15,212.9	**0.048**	NM	NM	NM	NM
MW-18	10/29/03	NM	NM	NA	NA	NA	NA	NM
	04/20/05	**11.2**	37,669	**0.131**	NM	NM	NM	NM
MW-19	10/29/03	NM	NM	NA	NA	NA	NA	NM
	04/20/05	**24.1**	18,420	**0.085**	NM	NM	NM	NM
MW-20	10/29/03	<0.02	NM	NA	NA	NA	NA	NM
	04/20/05	<0.02	24,311	**0.222**	NM	NM	NM	NM
MW-21	10/29/03	<0.02	NM	NA	NA	NA	NA	NM
	04/20/05	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed
MW-22	11/25/03	<0.02	NM	NA	NA	NA	NA	NM
	04/20/05	0.04	10,104	<0.005	NM	NM	NM	NM
MW-23	11/25/03	**3.51**	NM	NA	NA	NA	NA	NM
	04/20/05	<0.02	6,384	**0.026**	NM	NM	NM	NM
MW-24	11/25/03	**168**	NM	NA	NA	NA	NA	NM
	04/20/05	**26.3**	6,549	**0.123**	NM	NM	NM	NM
MW-25	10/29/03	<0.02	NM	NA	NA	NA	NA	NM
	04/20/05	<0.02	154	**0.106**	NM	NM	NM	NM
MW-26	11/25/03	0.05	NM	NA	NA	NA	NA	NM
	04/21/05	<0.02	<10	<0.005	NM	NM	NM	NM

Well Number	Date	EDB (ug/l)	Total 8-Oxygenates	Total Lead (mg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Dissolved Iron (mg/l)	Methane (mg/l)
MW-5a	10/27/03	<0.02	NM	NA	NA	NA	NA	NM
MW-5aR	04/20/05	<0.02	11,498	**0.017**	NM	NM	NM	NM
PW-1	10/29/03	<0.02	NM	NA	NA	NA	NA	NM
PW-1R	04/20/05	<0.02	10,397	<0.005	NM	NM	NM	NM
RW-1	10/29/03	NM	NM	NA	NA	NA	NA	NM
RW-1R	04/20/05	**4.32**	24,210	**0.05**	NM	NM	NM	NM
MW-27	04/20/05	**11.1**	<10	<0.005	4.85	61.2	0.556	<0.026
MW-28	04/20/05	**5.17**	<10	<0.005	2.54	33	0.087	<0.026
MW-29	04/20/05	<0.02	<10	**0.086**	2.64	21.4	0.068	<0.026
MW-30	04/20/05	<0.02	<10	<0.005	1.49	48.8	0.102	<0.026
MW-31	04/20/05	<0.02	1,429	<0.005	<0.1	<1.0	12.8	<0.026
MW-32	04/21/05	<0.02	3,769	<0.005	0.12	21.9	0.923	<0.026
MW-33	04/20/05	<0.02	14,747.5	**0.027**	0.3	24.2	9.99	<0.026
MW-34	04/20/05	<0.02	813.1	<0.005	<0.1	5.85	1.69	<0.026
MW-35	04/20/05	0.03	15,432	**0.036**	4.62	2.01	5.3	<0.026
MW-36	04/20/05	**0.48**	2,326	<0.005	<0.1	20.5	4.63	<0.026
MW-37	04/20/05	**2.01**	2,536.6	<0.005	<0.1	1.88	8.11	<0.026
MW-38	04/20/05	<0.02	<10	<0.005	3.47	5.02	1.03	<0.026
MW-39	04/20/05	<0.02	4,100	**0.121**	<0.1	16.9	<0.05	<0.026
MW-40	04/20/05	<0.02	3,250.7	0.01	<0.1	1.28	0.493	<0.026
MW-41	04/20/05	**1.98**	150.9	<0.005	0.11	70	0.947	<0.026
MW-42	04/20/05	**1.15**	82.4	<0.005	0.54	7.05	0.476	<0.026
MW-43	04/21/05	<0.02	<10	<0.005	4.09	1.92	<0.05	<0.026
MW-44	04/21/05	<0.02	<10	<0.005	4.09	<1.0	0.212	<0.026
MW-45	04/21/05	<0.02	<10	0.012	6.14	13.6	<0.05	<0.026
MW-46	04/21/05	<0.02	<10	<0.005	5.64	<1.0	1.22	<0.026

Well Number	Date	EDB (ug/l)	Total 8-Oxygenates	Total Lead (mg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Dissolved Iron (mg/l)	Methane (mg/l)
MW-47	04/21/05	<0.02	4,133.2	<0.005	4.58	6.15	0.056	<0.026
MW-48	04/21/05	<0.02	49.9	0.007	8.85	126	<0.05	<0.026
MW-49	04/21/05	<0.02	<10	<0.005	18.4	61	<0.05	<0.026
MW-50	04/21/05	<0.02	<10	<0.005	0.67	51.5	<0.05	<0.026
MW-51	04/21/05	<0.02	<10	<0.005	4.52	1.7	<0.05	<0.026
MW-52	04/21/05	<0.02	<10	<0.005	4.74	4.14	0.821	<0.026
MW-53	04/21/05	<0.02	628.8	<0.005	1.48	14.6	3.01	<0.026
MW-54	04/21/05	<0.02	314.7	**0.06**	<0.1	24.6	<0.05	1.53
MW-55	04/21/05	<0.02	1,005.4	<0.005	<0.1	19.9	1.68	<0.026
MW-56	04/21/05	<0.02	<10	<0.005	4.25	36.4	<0.05	0.076
MW-57	04/21/05	0.05	1,259	<0.005	<0.1	5.21	2.22	2.62
MW-58	04/21/05	<0.02	10,668	**0.017**	<0.1	65	2.76	0.293
MW-59	04/21/05	<0.02	<10	**0.022**	1.37	21.5	<0.05	<0.026
MW-60	04/21/05	<0.02	<10	0.005	0.32	18.2	<0.05	0.033
DW-1	10/27/03	<0.02	NM	NA	NA	NA	NA	NM
	04/20/05	<0.02	17.4	<0.005	NM	NM	NM	NM
DW-2	10/27/03	<0.02	NM	NA	NA	NA	NA	NM
	04/20/05	<0.02	4.8	<0.005	NM	NM	NM	NM
DW-3	12/30/03	0.05	NM	NA	NA	NA	NA	NM
	04/20/05	**1.08**	15,300	<0.005	NM	NM	NM	NM
DW-4	04/21/05	**1.46**	159.5	<0.005	0.75	17.5	<0.05	<0.026
DW-5	04/21/05	<0.02	<10	<0.005	0.44	80.3	<0.05	<0.026
DW-6	04/20/05	**0.11**	<10	0.023	0.36	37.5	<0.05	<0.026
DW-7	04/21/05	<0.02	53.6	0.008	0.51	35	<0.05	<0.026
DW-8	04/21/05	<0.02	<10	**0.034**	0.72	87.1	<0.05	<0.026
Creek	11/18/03	NM	NM	NA	NA	NA	NA	NM
SW-1	04/21/05	<0.02	580.8	<0.005	NM	NM	NM	NM

Well Number	Date	EDB (ug/l)	Total 8-Oxygenates	Total Lead (mg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Dissolved Iron (mg/l)	Methane (mg/l)
DW-9	06/02/05	NM	NM	NM	NM	NM	NM	NM
MW-61	06/02/05	NM	NM	NM	NM	NM	NM	NM
MW-62	06/02/05	<0.02	NM	NM	NM	NM	NM	NM
MW-63	06/02/05	<0.02	NM	NM	NM	NM	NM	NM
MW-64	06/02/05	0.025	NM	NM	NM	NM	NM	NM
MW-65	06/02/05	**0.26**	NM	NM	0.35	NM	4.0	NM
MW-66	06/02/05	<0.02	NM	NM	5.1	NM	1.2	NM
MW-67	06/02/05	<0.02	NM	NM	NM	NM	NM	NM
MW-68	06/02/05	<0.02	NM	NM	NM	NM	NM	NM
MW-69	06/02/05	<0.02	NM	NM	3.4	NM	<0.50	NM
MW-70	06/02/05	<0.02	NM	NM	NM	NM	NM	NM

Table 7
Groundwater 8 - Oxygenates
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777

Well Number	Date	Ethyl-t-butylether (ug/l)	Tert-amyl methyl ether (ug/l)	Tertiary butyl alcohol (ug/l)	Ethanol (ug/l)	T-amyl alcohol (ug/l)	T-butyl Formate (ug/l)	Ethyl-t-butyl alcohol (ug/l)	Diisopropyl ether (ug/l)
RBSL		NA	NA	NA	NA	NA	N/A	NA	N/A
MW-1	04/19/05	<1.0	<1.0	45.4	<100	56.4	<10.0	<10.0	<5.0
MW-2	04/19/05	<1.0	114	1380	<100	11000	<10.0	1650	319
MW-3	04/19/05	<5	120	1200	<500	15200	<50	2490	810
MW-4	04/19/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-5	04/19/05	<1.0	<1.0	<10.0	<100	920	<10.0	558	<5.0
MW-6	04/19/05	<1.0	<1.0	38.5	<100	391	<10.0	104	<5.0
MW-7	04/19/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-8	04/19/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-9	04/19/05	<1.0	17.3	130	<100	3950	<10.0	463	120
MW-10	04/19/05	<20	300.0	834	<2000	22400	<200	4180	2280
MW-11	04/19/05	<1.0	<1.0	26.5	<100	1540	<10.0	176	<5.0
MW-12	04/21/05	<1.0	91.3	191	<100	9840	<10.0	730	816
MW-13	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-15	04/20/05	<1.0	<1.0	36.3	<100	957	<10.0	192	<5.0
MW-16	04/21/05	<1.0	<1.0	<10.0	<100	171	<10.0	16.7	<5.0
MW-17	04/21/05	<1.0	<1.0	97.8	<100	13800	<10.0	1260	55.1
MW-18	04/20/05	<1.0	759	1170	<100	28800	<10.0	4900	2040
MW-19	04/20/05	<1.0	607	1740	<100	9730	<10.0	4040	2910
MW-20	04/20/05	<10	641	3920	<1000	14600	<100	2950	2200

Well Number	Date	Ethyl-t-butylether (ug/l)	Tert-amyl methyl ether (ug/l)	Tertiary butyl alcohol (ug/l)	Ethanol (ug/l)	T-amyl alcohol (ug/l)	T-butyl Formate (ug/l)	Ethyl-t-butyl alcohol (ug/l)	Diisopropyl ether (ug/l)
MW-22	04/20/05	<20	788	484	<2000	5540	<200	872	2420
MW-23	04/20/05	<1.0	83	<10.0	<100	5210	<10.0	777	314
MW-24	04/20/05	<1.0	60	<10.0	<100	4890	<10.0	1150	449
MW-25	04/20/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	154
MW-26	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-5aR	04/20/05	<20	1430	608	<2000	5120	<200	1100	3240
PW-1R	04/20/05	<1.0	171	<10.0	<100	8380	<10.0	1210	636
RW-1R	04/20/05	<20	1080	1470	<2000	14500	<200	3320	3840
MW-27	04/20/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-28	04/20/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-29	04/20/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-30	04/20/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-31	04/20/05	<1.0	<1.0	<10.0	<100	1100	<10.0	329	<5.0
MW-32	04/21/05	<5	<5	202	<500	3220	<50	347	<25
MW-33	04/20/05	<1.0	65.5	<10.0	<100	13100	<10.0	1190	392
MW-34	04/20/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	779	34.1
MW-35	04/20/05	<10	286	536	<1000	11400	<100	2010	1200
MW-36	04/20/05	<1.0	<1.0	<10.0	<100	2000	<10.0	326	<5.0
MW-37	04/20/05	<1.0	2.4	<10.0	<100	1420	<10.0	1100	14.2
MW-38	04/20/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-39	04/20/05	<20	<20	<200	<2000	2180	<200	1920	<100
MW-40	04/20/05	<1.0	17.7	<10.0	1130	630	<10.0	1290	183
MW-41	04/20/05	<1.0	1.6	<10.0	<100	<10.0	<10.0	130	19.3
MW-42	04/20/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	82.4	<5.0
MW-43	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-44	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-45	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0

Well Number	Date	Ethyl-t-butylether (ug/l)	Tert-amyl methyl ether (ug/l)	Tertiary butyl alcohol (ug/l)	Ethanol (ug/l)	T-amyl alcohol (ug/l)	T-butyl Formate (ug/l)	Ethyl-t-butyl alcohol (ug/l)	Diisopropyl ether (ug/l)
MW-46	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-47	04/21/05	<1.0	<1.0	54.2	<100	3710	<10.0	369	<5.0
MW-48	04/21/05	<1.0	<1.0	<10.0	<100	49.9	<10.0	<10.0	<5.0
MW-49	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-50	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-51	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-52	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-53	04/21/05	<1.0	<1.0	19.9	<100	533	<10.0	75.9	<5.0
MW-54	04/21/05	<1.0	5.2	<10.0	<100	263	<10.0	17.5	29
MW-55	04/21/05	<1.0	11.2	129	<100	724	<10.0	59.2	63.4
MW-56	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-57	04/21/05	<1.0	129	<10.0	<100	<10.0	<10.0	344	786
MW-58	04/21/05	<1.0	<1.0	<10.0	<100	9900	<10.0	288	480
MW-59	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
MW-60	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
DW-1	04/20/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	17.4
DW-2	04/20/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
DW-3	04/20/05	<1.0	360	1810	<100	11700	<10.0	<10.0	1430
DW-4	04/21/05	<5	<5	<50	<500	150	<50	<50	<25
DW-5	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
DW-6	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
DW-7	04/21/05	<1.0	3.3	<10.0	<100	<10.0	<10.0	35.8	14.5
DW-8	04/21/05	<1.0	<1.0	<10.0	<100	<10.0	<10.0	<10.0	<5.0
SW-1	04/21/05	<1.0	11	37	<100	422	<10.0	38.9	67.2

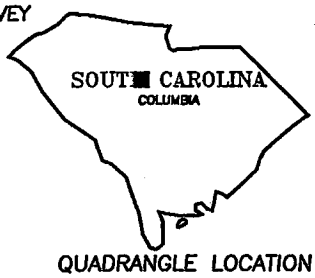


REFERENCE: COLUMBIA NORTH, SOUTH CAROLINA QUADRANGLE MAP, 7.5 MINUTE SERIES, U.S. GEOLOGIC SURVEY

SCALE 1 : 24,000

0 2,000 4,000

SCALE IN FEET



QUADRANGLE LOCATION

DRAWN: L.B.I.	DATE: 12/14/04
PROJECT: HANDY PANTRY #65,UST# 07584	
PROJECT: CLOUDS CHEVRON UST# 07777	
PROJECT No.: 04-12-008, 04-12-009	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 1
SITE LOCATION AND TOPOGRAPHIC MAP

CONSULTECH ENVIRONMENTAL, INC.

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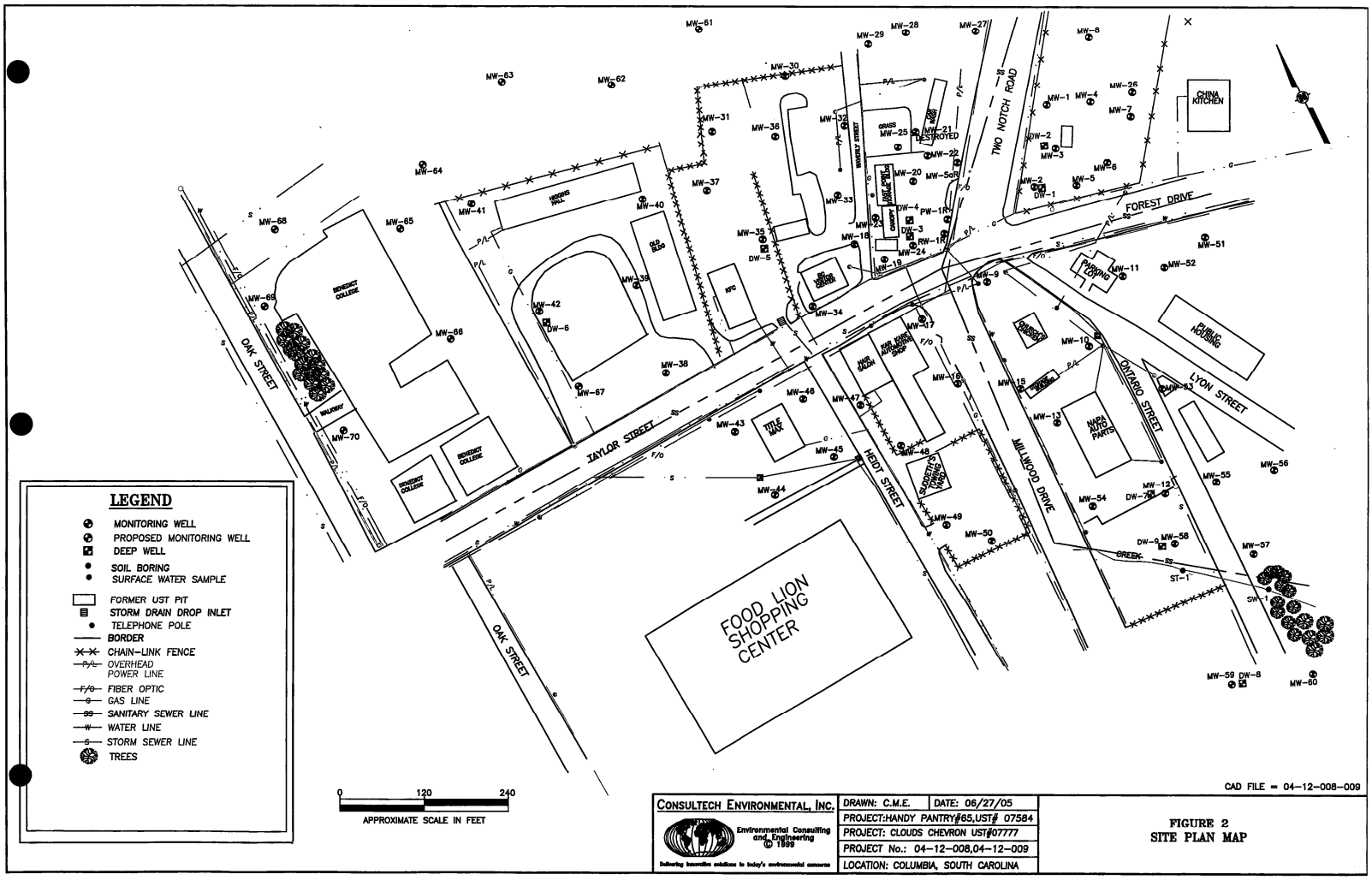
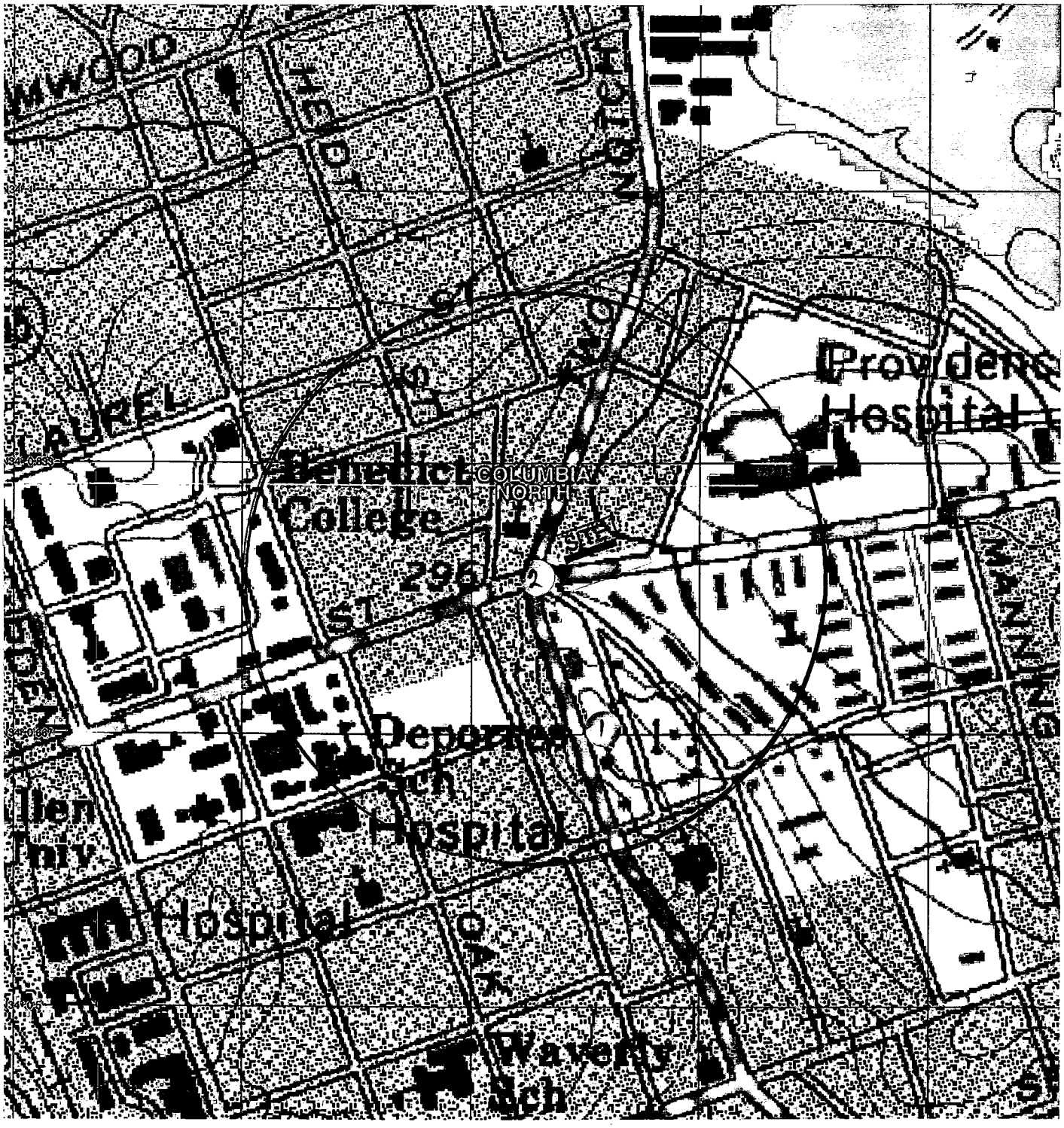


CAD FILE = 04-12-008-009

CONSULTECH ENVIRONMENTAL, INC.	DRAWN: C.M.E.	DATE: 06/27/05
Environmental Consulting and Engineering © 1999	PROJECT:HANDY PANTRY#65,UST# 07584	
Delivering innovative solutions to today's environmental concerns	PROJECT: CLOUDS CHEVRON UST#07777	
	PROJECT No.: 04-12-008,04-12-009	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 2
SITE PLAN MAP



REFERENCE: COLUMBIA NORTH, SOUTH CAROLINA QUADRANGLE MAP, 7.5 MINUTE SERIES, U.S. GEOLOGIC SURVEY

SCALE 1" : 6,400"

0 500 1,000

SCALE IN FEET



QUADRANGLE LOCATION

DRAWN: C.M.E.	DATE: 05/23/05
PROJECT: HANDY PANTRY #65, UST#07584	
PROJECT: CLOUDS CHEVRON UST# 07777	
PROJECT No.: C-04-12-008, 04-12-009	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 3
SITE WITH POTENTIAL RECEPTORS AND TOPOGRAPHIC MAP

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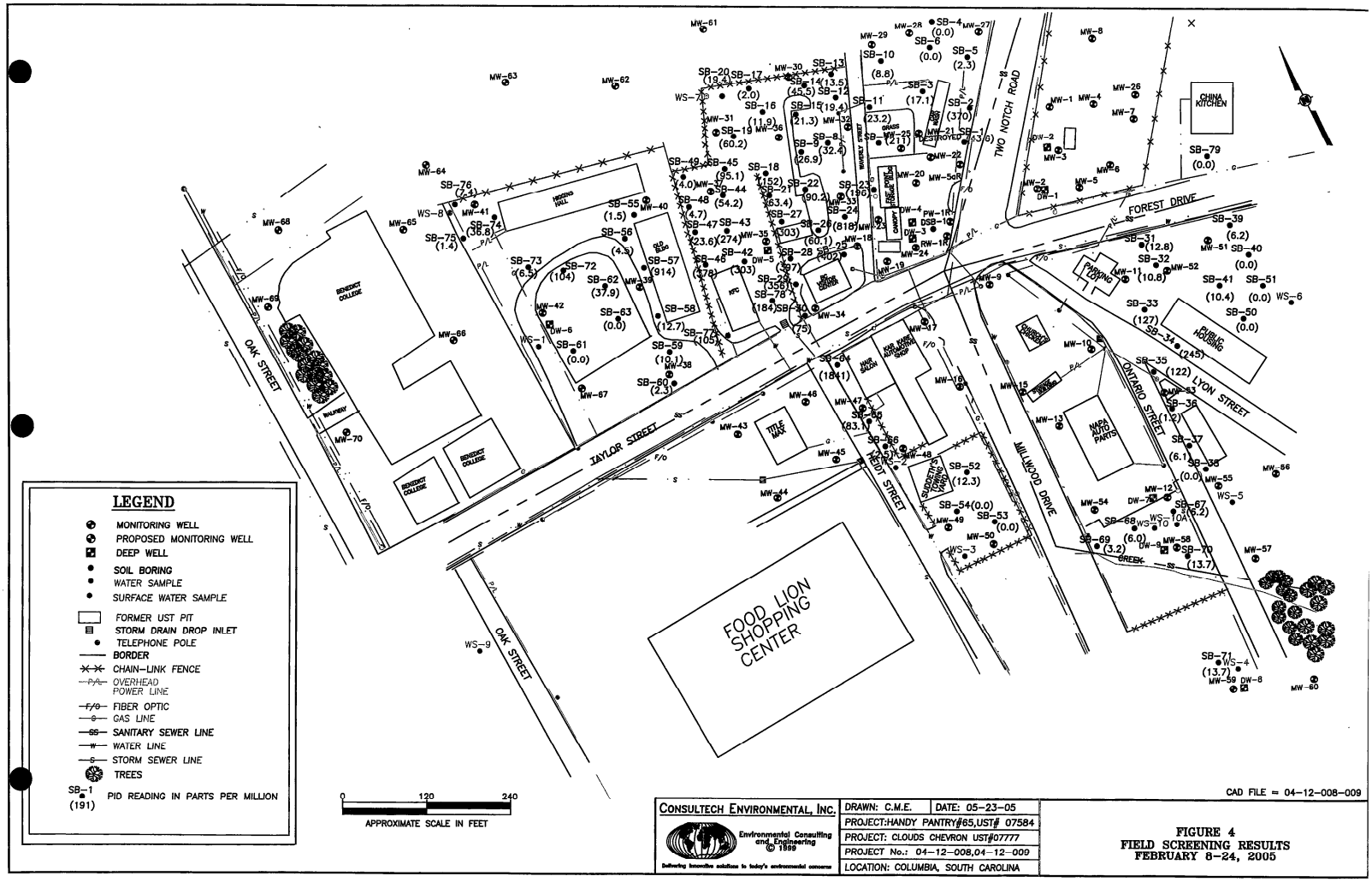

LEGEND

- MONITORING WELL
- PROPOSED MONITORING WELL
- DEEP WELL
- SOIL BORING
- WATER SAMPLE
- SURFACE WATER SAMPLE
- FORMER UST PIT
- STORM DRAIN DROP INLET
- TELEPHONE POLE
- BORDER
- CHAIN–LINK FENCE
- OVERHEAD POWER LINE
- FIBER OPTIC
- GAS LINE
- SANITARY SEWER LINE
- WATER LINE
- STORM SEWER LINE
- TREES

SB–1 (191) PID READING IN PARTS PER MILLION

0 120 240

APPROXIMATE SCALE IN FEET

CAD FILE = 04–12–008–009

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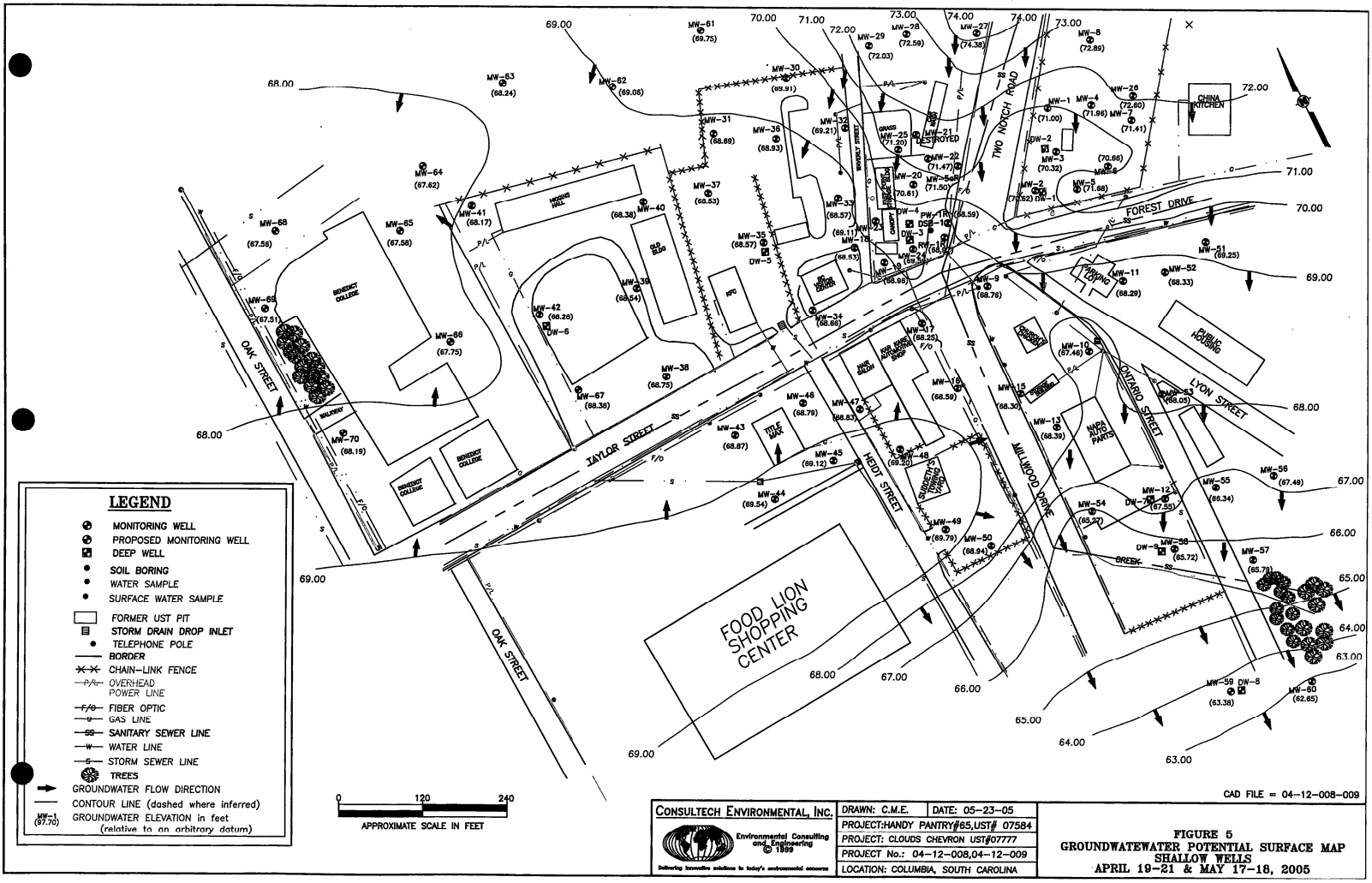
PROJECT:HANDY PANTRY#65,UST# 07584	
PROJECT: CLOUDS CHEVRON UST#07777	
PROJECT No.: 04–12–008,04–12–009	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 4
FIELD SCREENING RESULTS
FEBRUARY 8–24, 2005



CAD FILE = 04-12-008-009

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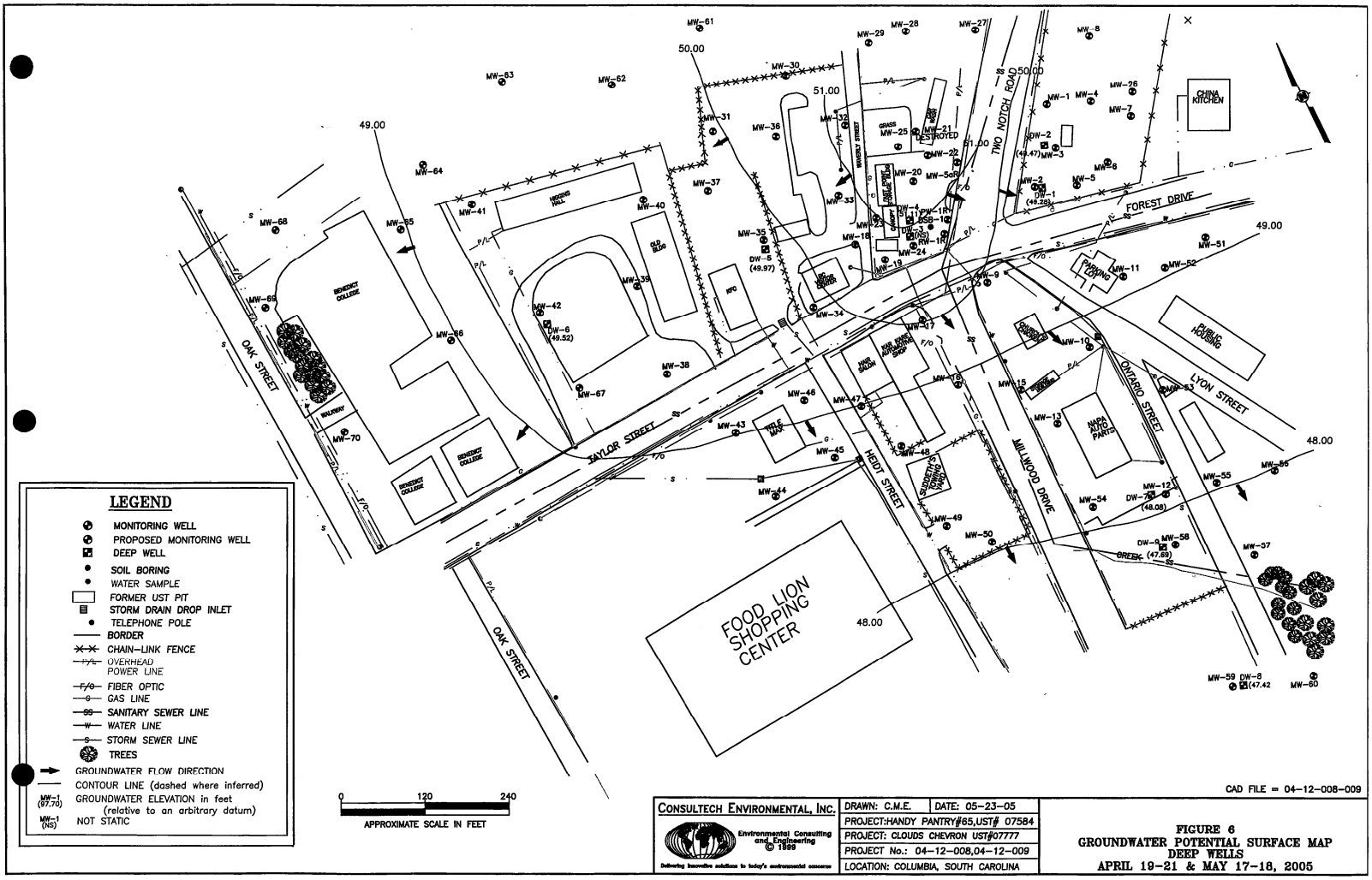
Delivering innovative solutions to today's environmental concerns	PROJECT: CLOUDS CHEVRON UST#07777	
	PROJECT No.: 04-12-008,04-12-009	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 5
GROUNDWATEWATER POTENTIAL SURFACE MAP
SHALLOW WELLS
APRIL 19-21 & MAY 17-18, 2005



CAD FILE = 04-12-008-009

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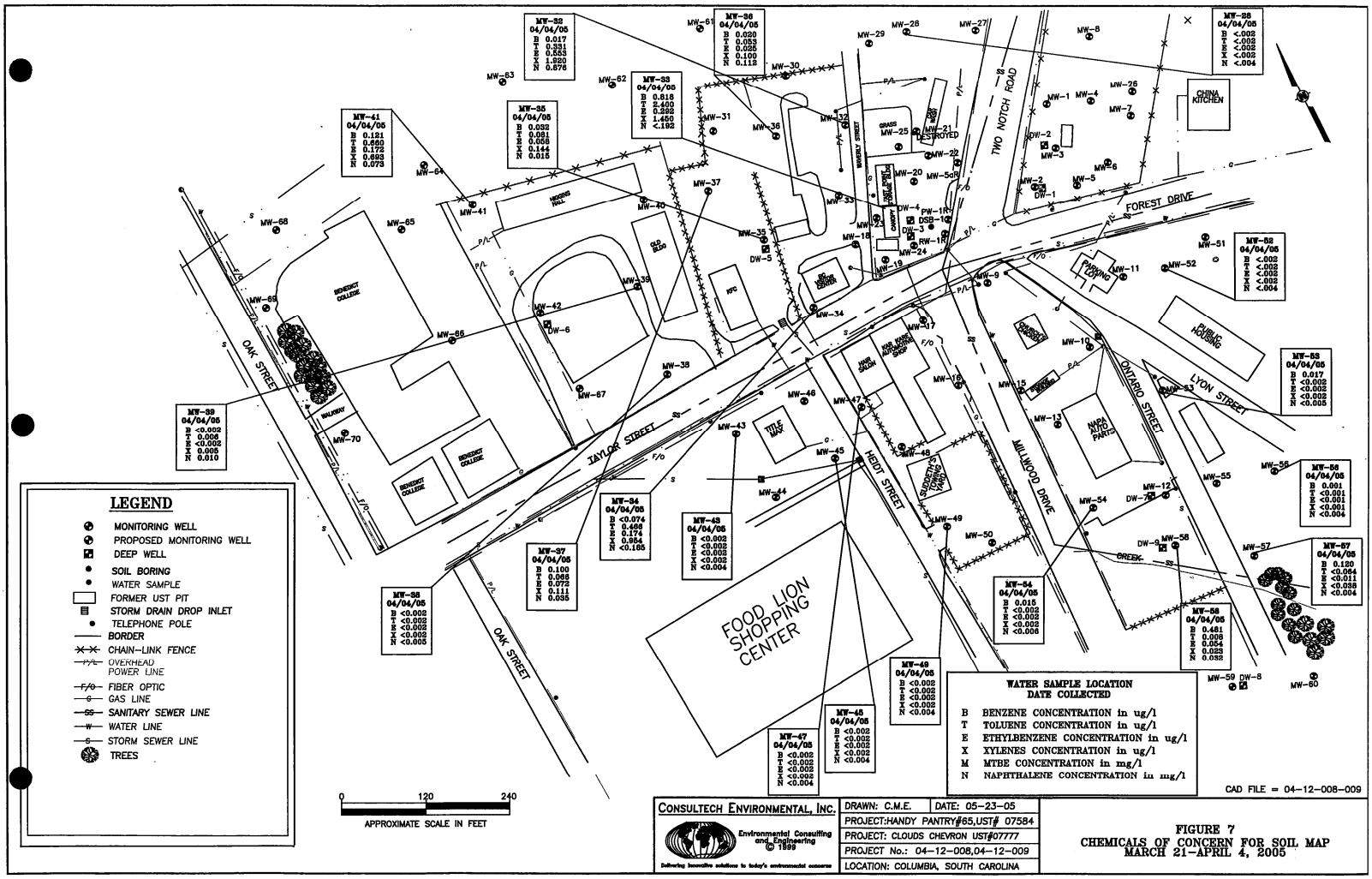
	PROJECT No.: 04-12-008,04-12-009	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 6
GROUNDWATER POTENTIAL SURFACE MAP
DEEP WELLS
APRIL 19-21 & MAY 17-18, 2005



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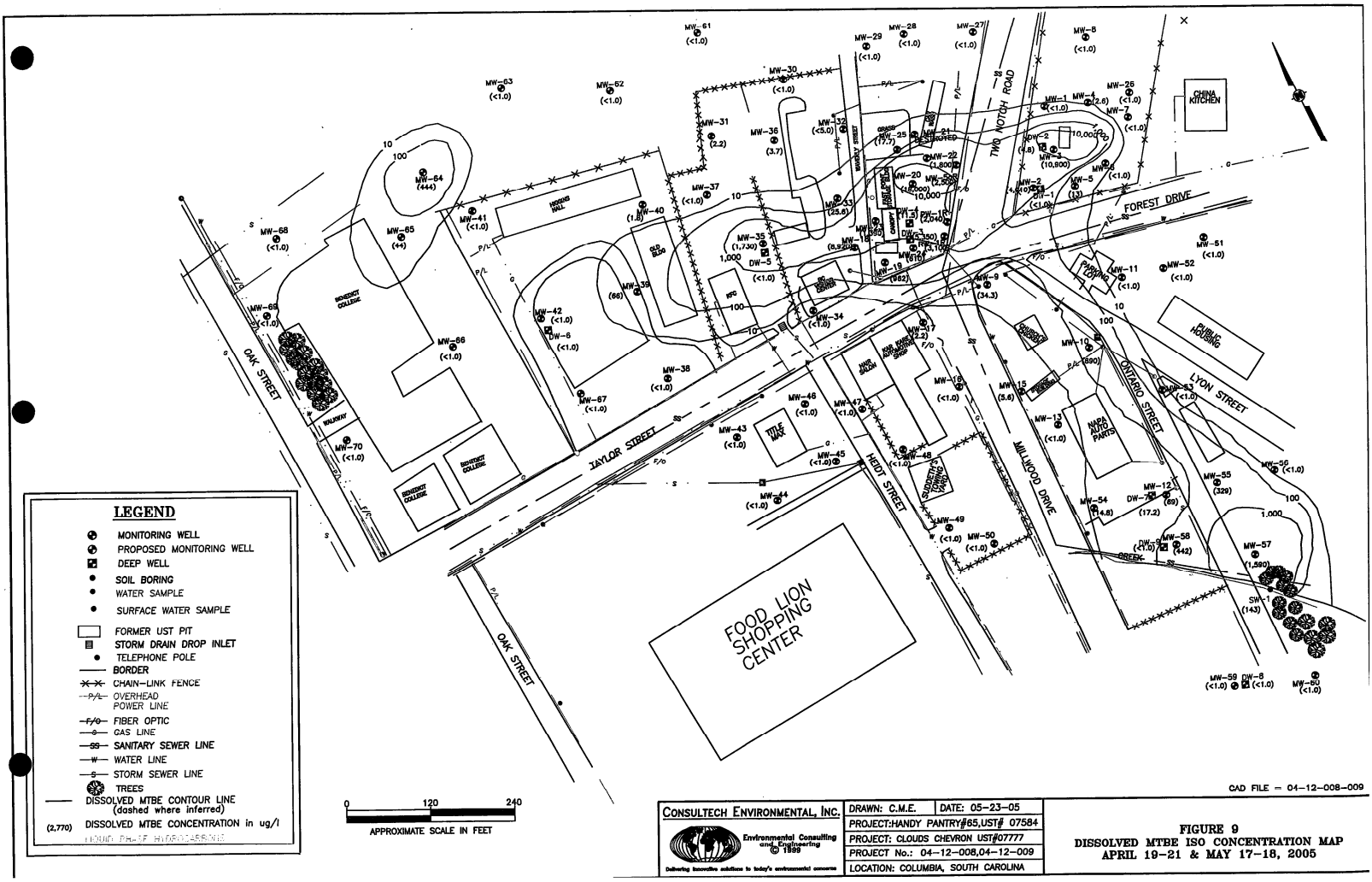
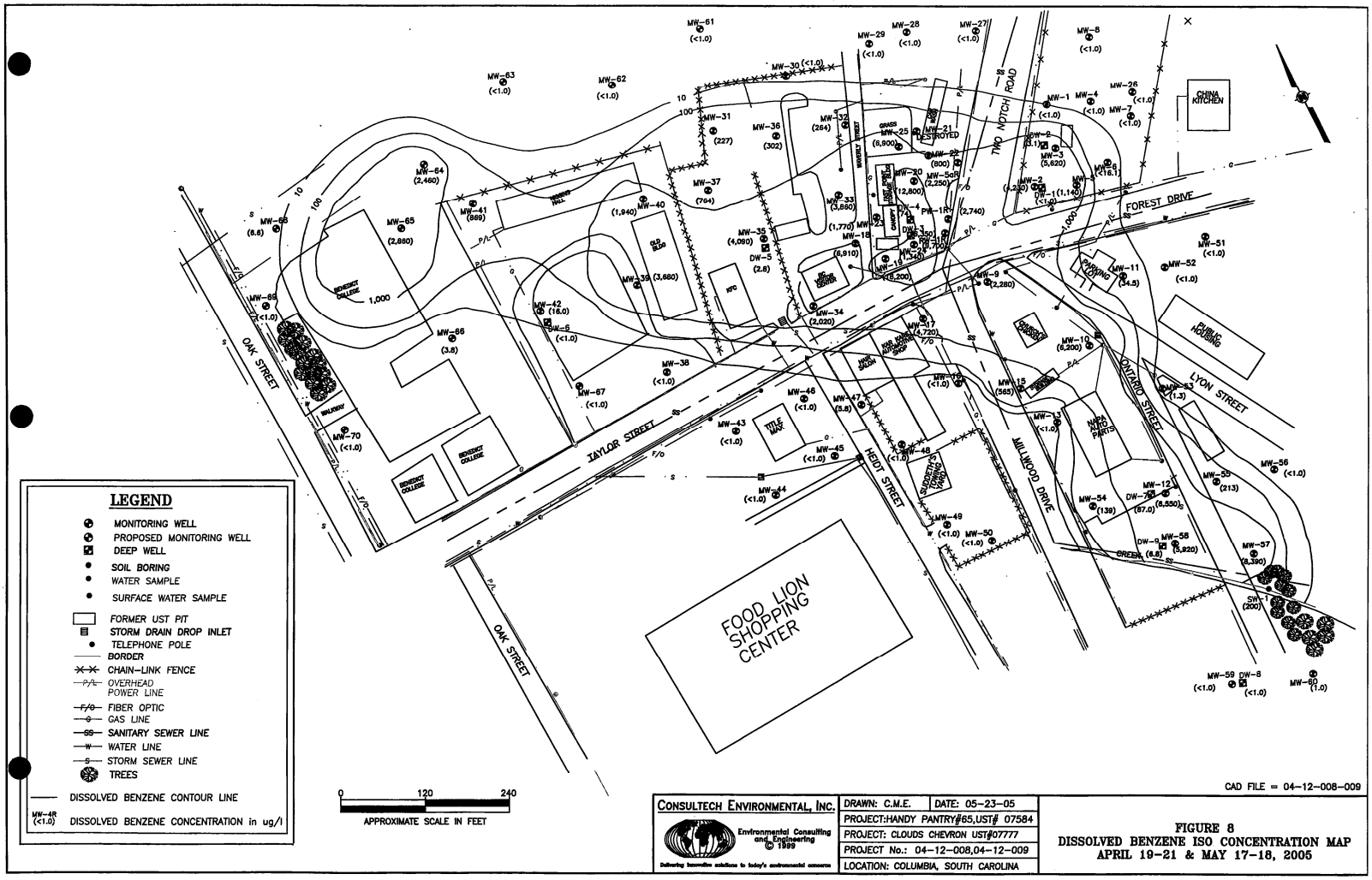
PROJECT: HANDY PANTRY #65, UST # 07584
PROJECT: CLOUDS CHEVRON UST #07777
PROJECT No.: 04-12-008, 04-12-009
LOCATION: COLUMBIA, SOUTH CAROLINA

CAD FILE = 04-12-008-009

FIGURE 7
CHEMICALS OF CONCERN FOR SOIL MAP
MARCH 21-APRIL 4, 2005

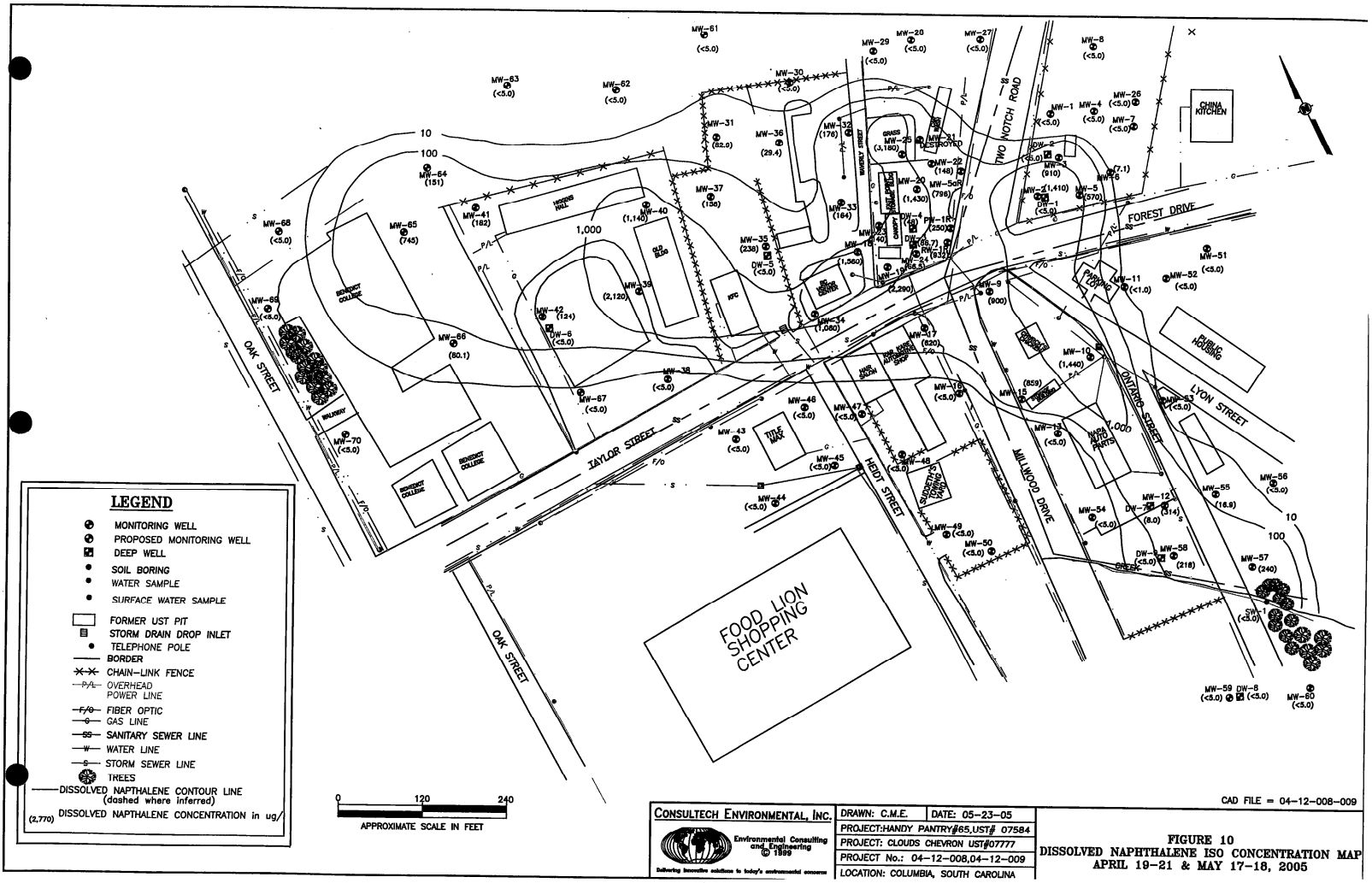

FOOD LION SHOPPING CENTER
OAK STREET
TAYLOR STREET
HEDIT STREET
MILLWOOD DRIVE
FOREST DRIVE
TWO NOTCH ROAD
ONTARIO STREET
LYON STREET
WOODLY STREET
CHINA KITCHEN
PUBLIC HOUSING
CREEK
MW-1 (<1.0)
MW-2 (10,900)
MW-3 (10,900)
MW-4 (2.6)
MW-5 (13)
MW-6 (<1.0)
MW-7 (<1.0)
MW-8 (<1.0)
MW-9 (34.3)
MW-10 (890)
MW-11 (<1.0)
MW-12 (17.2)
MW-13 (<1.0)
MW-14 (5.6)
MW-15 (<1.0)
MW-16 (<1.0)
MW-17 (2.2)
MW-18 (882)
MW-19 (<1.0)
MW-20 (<1.0)
MW-21 (1,600)
MW-22 (2,500)
MW-23 (23.6)
MW-24 (<1.0)
MW-25 (17.7)
MW-26 (<1.0)
MW-27 (<1.0)
MW-28 (<1.0)
MW-29 (<1.0)
MW-30 (<1.0)
MW-31 (2.2)
MW-32 (<3.0)
MW-33 (<1.0)
MW-34 (<1.0)
MW-35 (1,730)
MW-36 (3.7)
MW-37 (<1.0)
MW-38 (<1.0)
MW-39 (66)
MW-40 (1.8)
MW-41 (<1.0)
MW-42 (<1.0)
MW-43 (<1.0)
MW-44 (<1.0)
MW-45 (<1.0)
MW-46 (<1.0)
MW-47 (<1.0)
MW-48 (<1.0)
MW-49 (<1.0)
MW-50 (<1.0)
MW-51 (<1.0)
MW-52 (<1.0)
MW-53 (<1.0)
MW-54 (4.8)
MW-55 (329)
MW-56 (<1.0)
MW-57 (1,590)
MW-58 (442)
MW-59 (<1.0)
MW-60 (<1.0)
MW-61 (<1.0)
MW-62 (<1.0)
MW-63 (<1.0)
MW-64 (444)
MW-65 (44)
MW-66 (<1.0)
MW-67 (<1.0)
MW-68 (<1.0)
MW-69 (<1.0)
MW-70 (<1.0)
DW-1 (<1.0)
DW-2 (1.8)
DW-3 (<1.0)
DW-4 (<1.0)
DW-5 (<1.0)
DW-6 (<1.0)
DW-7 (69)
DW-8 (<1.0)
PW-1 (2,040)
PW-2 (<1.0)
SW-1 (143)
GRASS (17.7)
1,000
10,000
100
10
P/L
F/O
S
W
G
SS
OHP
RFD
OLD BLDG
WALKWAY
RESIDENT COLLEGE
RESIDENT COLLEGE
RESIDENT COLLEGE
PARKING
PARKING
PARKING



CAD FILE = 04-12-008-009

CONSULTECH ENVIRONMENTAL, INC.	DRAWN: C.M.E.	DATE: 05-23-05
Environmental Consulting and Engineering © 1999	PROJECT:HANDY PANTRY#65,UST# 07584	
Delivering innovative solutions to today's environmental concerns	PROJECT: CLOUDS CHEVRON UST#07777	
	PROJECT No.: 04-12-008,04-12-009	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

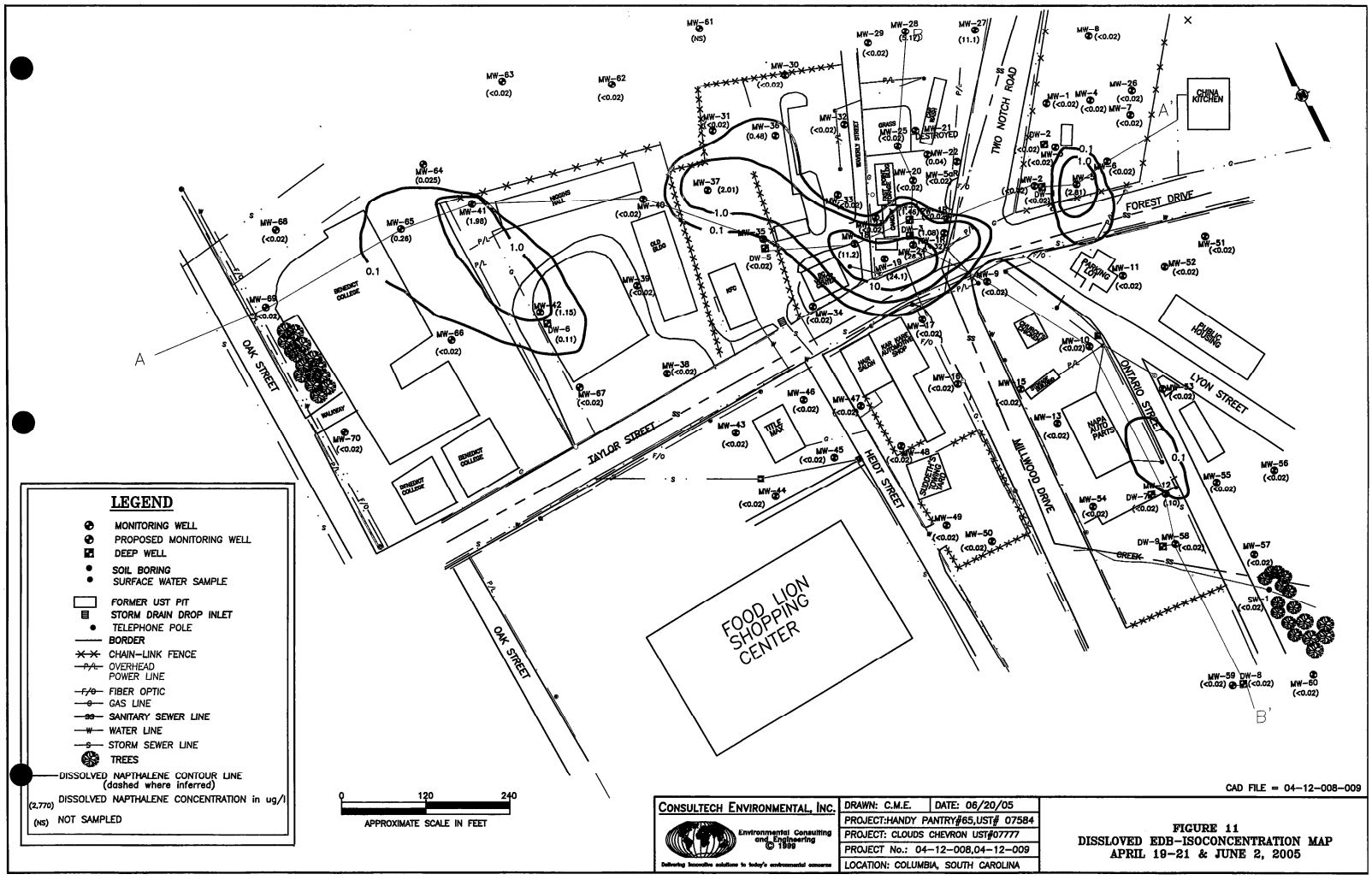
FIGURE 8
DISSOLVED BENZENE ISO CONCENTRATION MAP
APRIL 19-21 & MAY 17-18, 2005



CAD FILE = 04-12-008-009

CONSULTECH ENVIRONMENTAL, INC.	DRAWN: C.M.E.	DATE: 05-23-05
Environmental Consulting and Engineering © 1999	PROJECT:HANDY PANTRY#65,UST# 07584	
Delivering innovative solutions to today's environmental concerns	PROJECT: CLOUDS CHEVRON UST#07777	
	PROJECT No.: 04-12-008,04-12-009	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 10
DISSOLVED NAPHTHALENE ISO CONCENTRATION MAP
APRIL 19-21 & MAY 17-18, 2005



CAD FILE = 04-12-008-009

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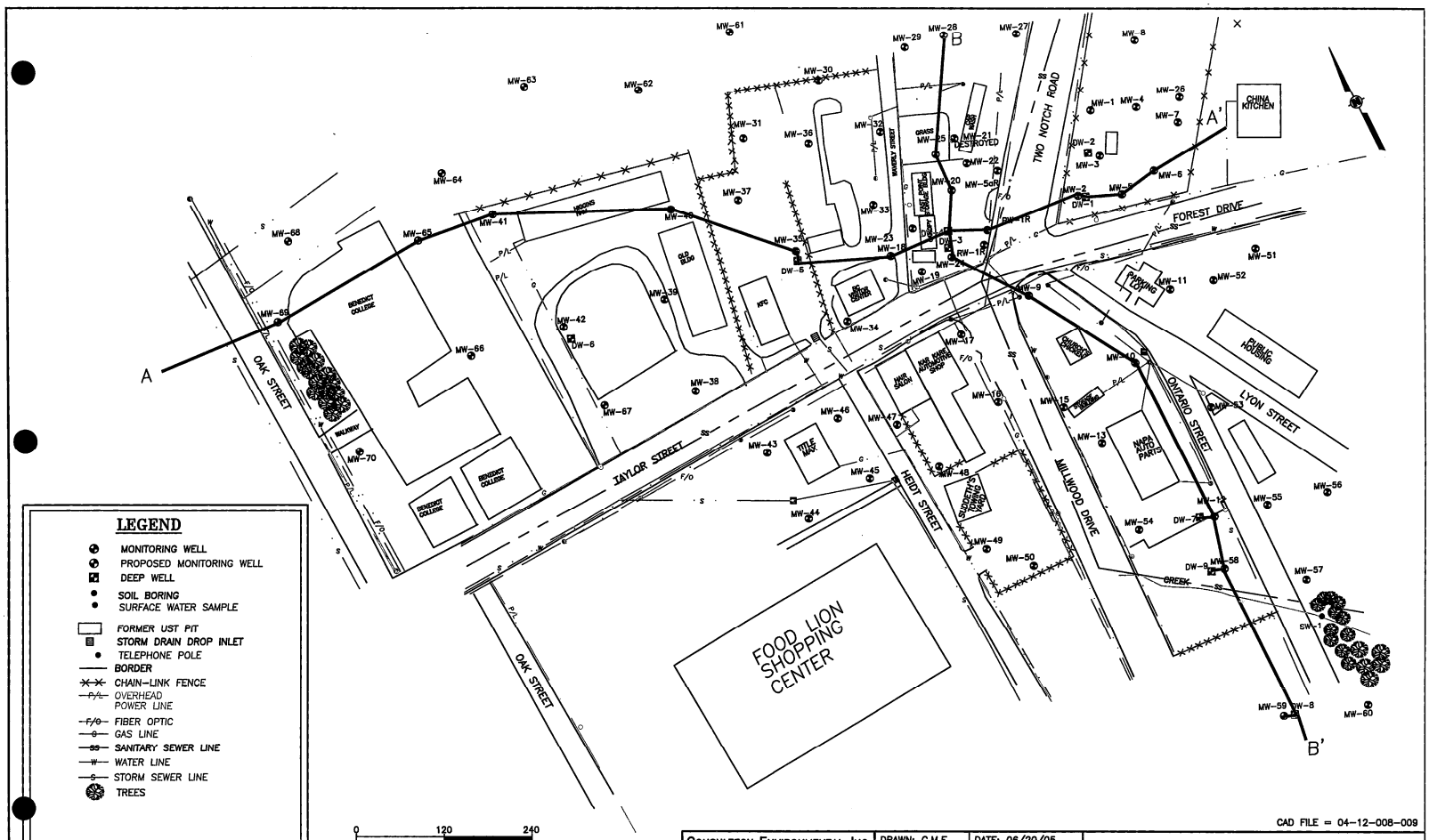
Environmental Consulting and Engineering © 1999	PROJECT:HANDY PANTRY#65,UST# 07584	
Delivering Innovative solutions to today's environmental concerns	PROJECT: CLOUDS CHEVRON UST#07777	
	PROJECT No.: 04-12-008,04-12-009	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 11
DISSOLVED EDB-ISOCONCENTRATION MAP
APRIL 19-21 & JUNE 2, 2005



CAD FILE = 04-12-008-009

CONSULTECH ENVIRONMENTAL, INC.	DRAWN: C.M.E.	DATE: 06/20/05
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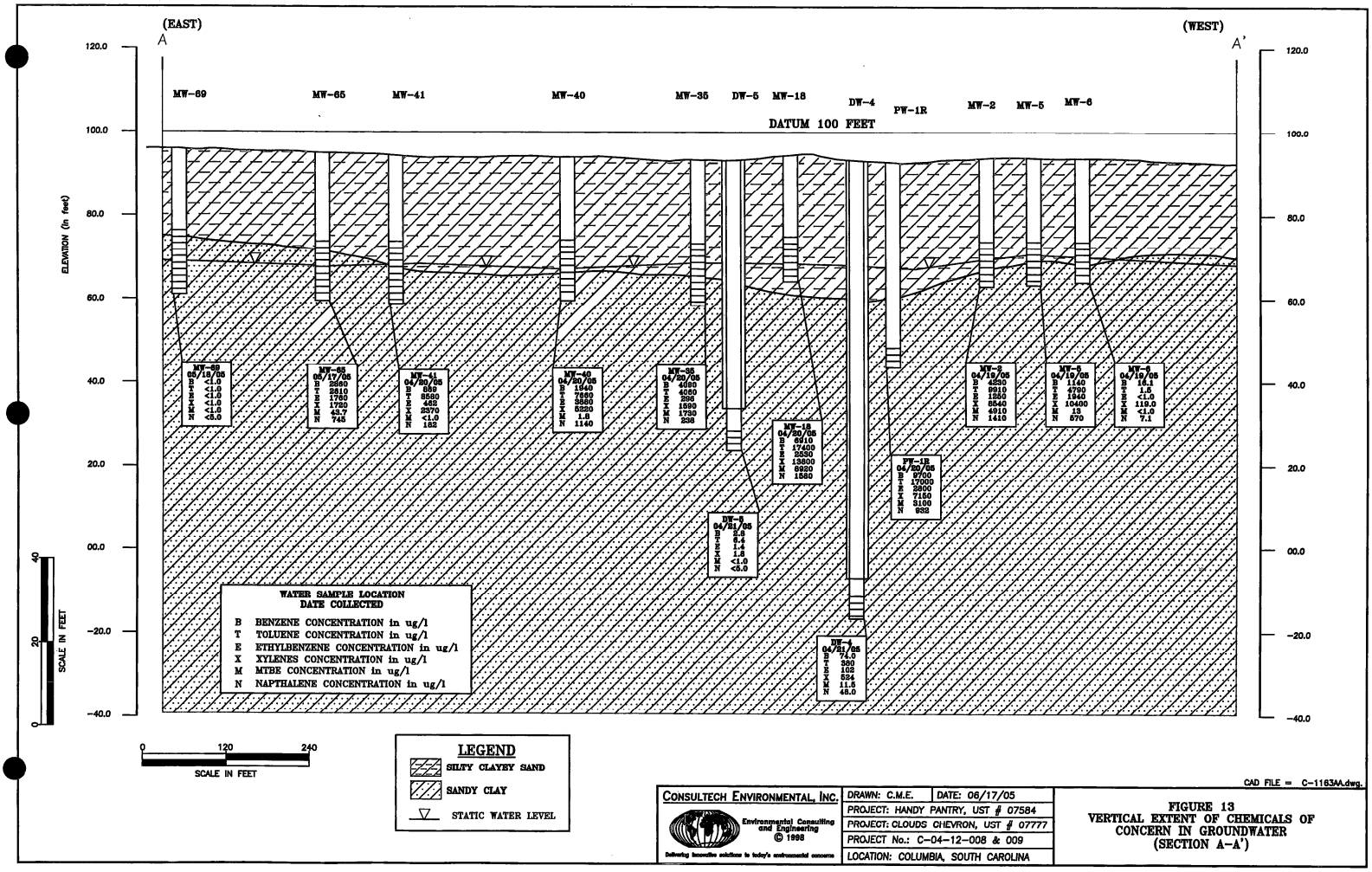
Delivering Innovative solutions to today's environmental concerns	PROJECT: CLOUDS CHEVRON UST#07777	
	PROJECT No.: 04-12-008,04-12-009	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 12
STRATOGRAPHIC CROSS-SECTION LOCATION MAP
APRIL 19-21 & JUNE 2, 2005



CAD FILE = C-1163AA.dwg

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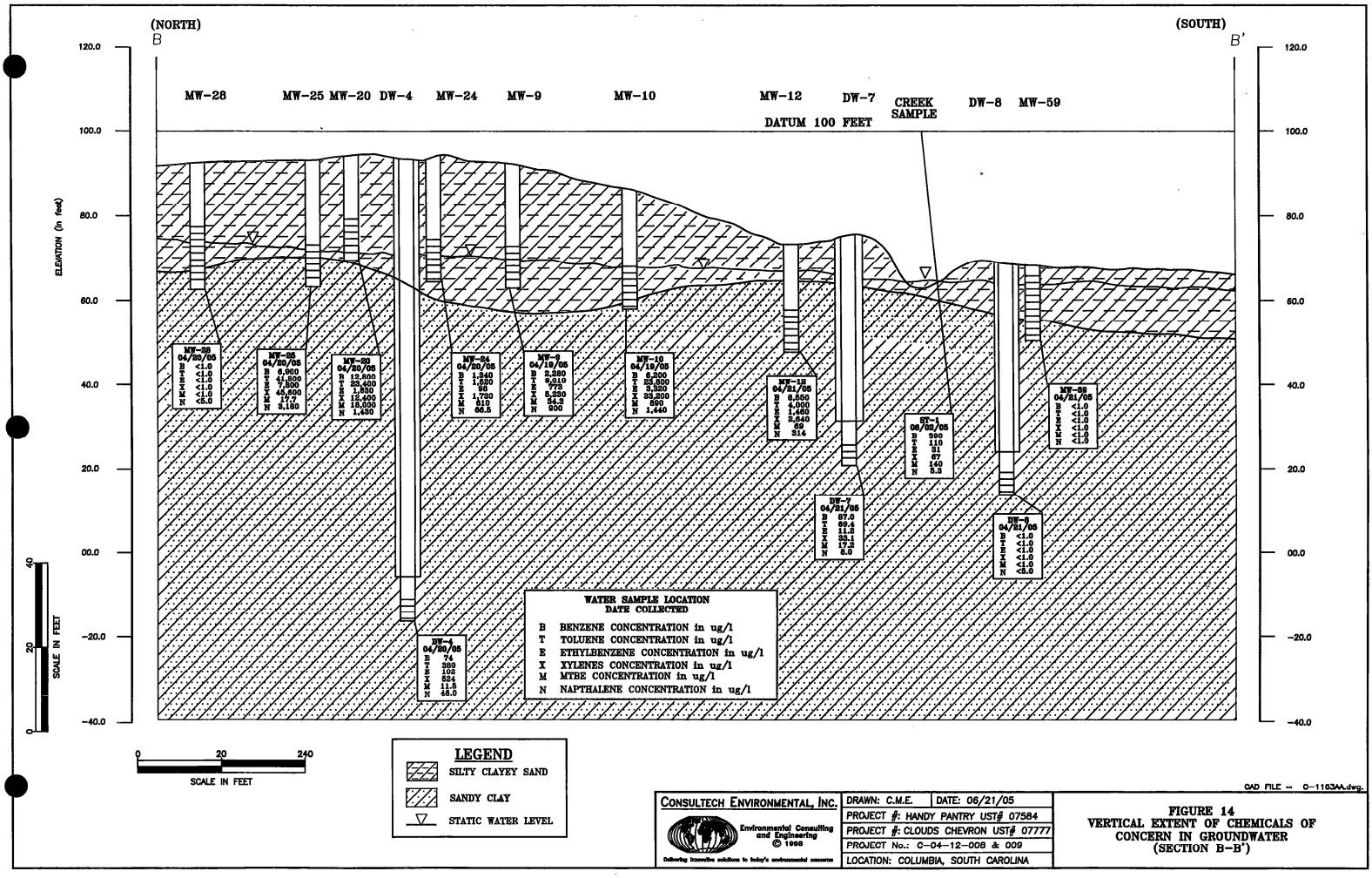
PROJECT: CLOUDS CHEVRON, UST # 07777
PROJECT No.: C-04-12-008 & 009
LOCATION: COLUMBIA, SOUTH CAROLINA

FIGURE 13
VERTICAL EXTENT OF CHEMICALS OF CONCERN IN GROUNDWATER (SECTION A-A')



CAD FILE -- C-1103AA.dwg

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PROJECT #: HANDY PANTRY UST# 07584	
PROJECT #: CLOUDS CHEVRON UST# 07777	
PROJECT No.: C-04-12-006 & 009	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 14
VERTICAL EXTENT OF CHEMICALS OF CONCERN IN GROUNDWATER (SECTION B-B')

APPENDIX 1
Survey Plat

TITLE AND TABLE SHEET

SHEET 1 OF 2

MONITOR WELL

MW	TOP OF CASING
MW 44	94.57'
MW 43	95.15'
MW 46	94.50'
MW 42	95.81'
MW 41	94.85'
MW 39	96.19'
MW 38	95.53'
MW 34	94.77'
MW 45	92.51'
MW 47	92.44'
MW 50	84.09'
MW 49	88.18'
MW 48	89.95'
MW 56	76.39'
MW 12	72.80'
MW 55	71.22'
MW 57	67.20'
MW 58	76.37'
MW 59	68.02'
MW 60	67.94'
MW 53	79.60'
MW 40	95.69'
MW 35	93.71'
MW 37	93.78'
MW 31	95.20'
MW 36	93.89'
MW 32	92.87'
MW 33	93.84'
MW 25	93.09'
MW 20	94.12'
MW 19	93.96'
MW 18	94.81'
MW 27	91.40'
MW 24	93.94'
MW 5AR	94.18'
MW 22	94.25'
MW 28	91.46'
MW 29	91.09'
MW 30	92.77'
MW 26	95.96'
MW 7	95.93'
MW 6	94.96'
MW 5	95.26'
MW 2	94.70'
MW 3	94.45'
MW 1	93.89'
MW 4	94.65'
MW 8	94.79'
MW 51	93.91'
MW 52	90.21'
MW 11	88.46'
MW 10	85.98'
MW 9	92.30'
MW 15	86.44'
MW 16	88.19'
MW 17	92.45'
MW 23	94.43'
MW 13	80.44'
MW 54	77.56'

DEEP WELL

DW	TOP OF CASING
DW1	94.66
DW2	94.02
DW3	93.75
DW4	93.79
DW5	93.74
DW6	95.90
DW7	72.79
DW8	68.63

WELL	TOP OF CASING
PW 1R	93.75
RW 1R	93.66

0' 100' 200' 300'

1" = 100'

PROJECT

HANDY PANTRY #65 UST # 07584

CLOUDS CHEVRON UST # 07777

BAXTER LAND SURVEYING CO., INC.

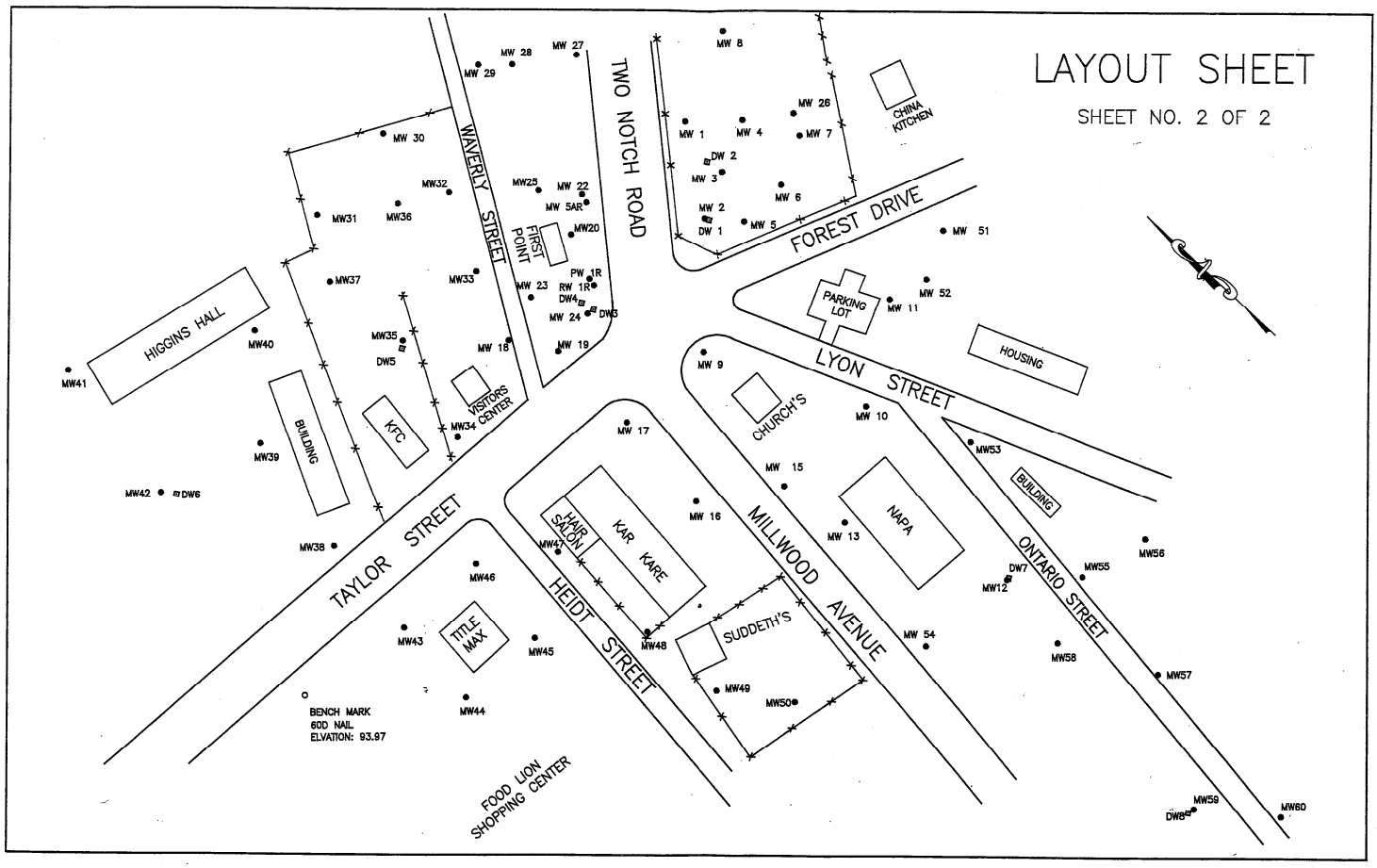
533 HARDEN STREET COLUMBIA, SC 29205

803-252-8564

APRIL 25, 2005

SOUTH CAROLINA BAXTER LAND SURVEYING CO., INC. NO. C00015 CERTIFICATE OF AUTHORIZATION

ROSSER W. BAXTER JR. SCPLS NO. 7613


LAYOUT SHEET
SHEET NO. 2 OF 2
TWO NOTCH ROAD
WAVERLY STREET
FOREST DRIVE
LYON STREET
TAYLOR STREET
MILLWOOD AVENUE
ONTARIO STREET
HEIDT STREET
HIGGINS HALL
BUILDING
KFC
VISITORS CENTER
FIRST POINT
PARKING LOT
HOUSING
CHURCH'S
CHINA KITCHEN
NAPA
BUILDING
HAIR SALON
KAR KARE
SUDDETH'S
TITLE MAX
FOOD LION SHOPPING CENTER
BENCH MARK
60D NAIL
ELVATION: 93.97
MW 1
MW 2
MW 3
MW 4
MW 5
MW 6
MW 7
MW 8
MW 9
MW 10
MW 11
MW 12
MW 13
MW 15
MW 16
MW 17
MW 18
MW 19
MW 20
MW 22
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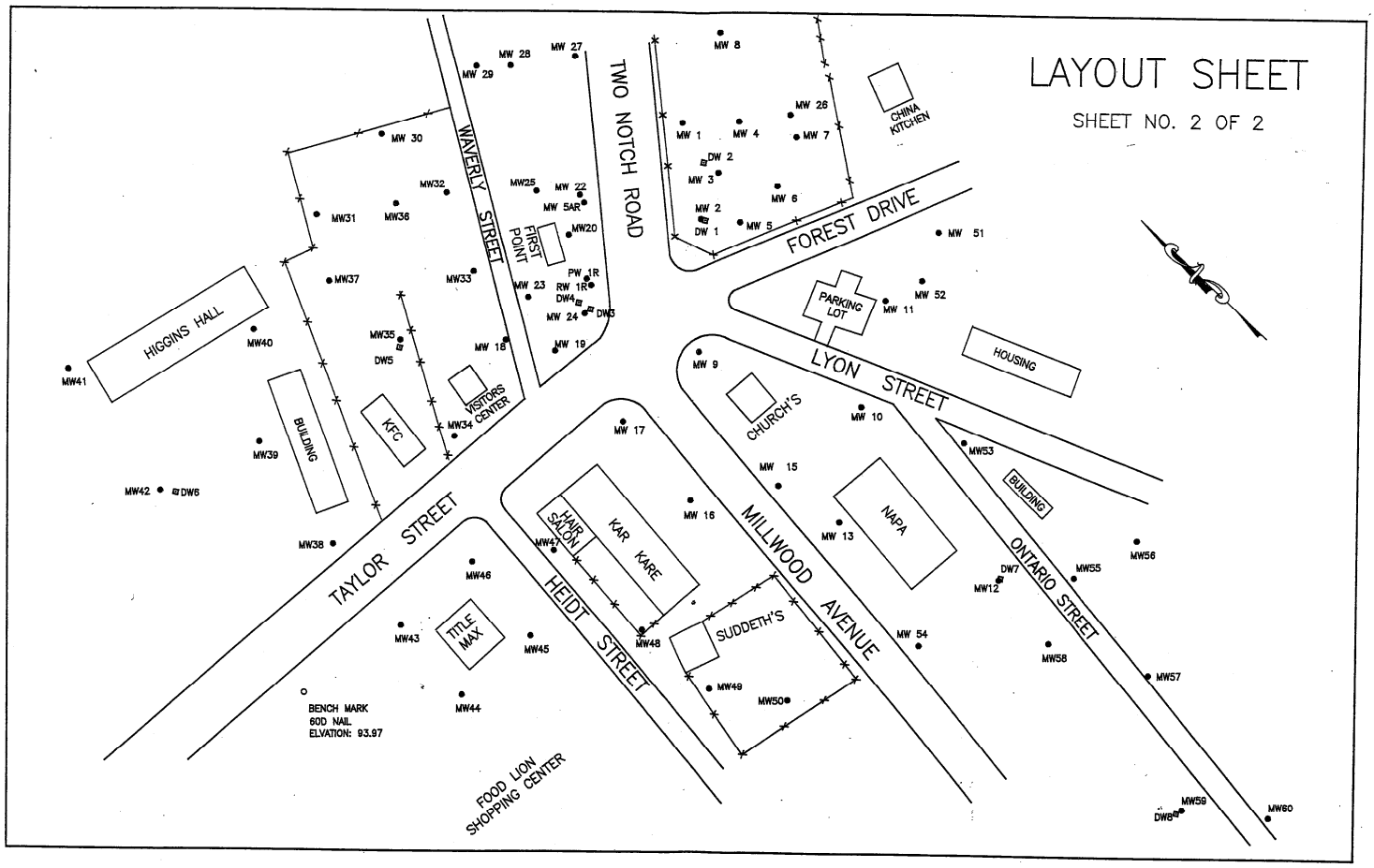
LAYOUT SHEET
SHEET NO. 2 OF 2
WAVERLY STREET
TWO NOTCH ROAD
FOREST DRIVE
LYON STREET
TAYLOR STREET
HEIDT STREET
MILLWOOD AVENUE
ONTARIO STREET
HIGGINS HALL
BUILDING
KFC
VISITORS CENTER
FIRST POINT
PARKING LOT
HOUSING
CHURCH'S
CHINA KITCHEN
NAPA
BUILDING
HAIR SALON
KAR KARE
SUDDETH'S
TITLE MAX
FOOD LION SHOPPING CENTER
BENCH MARK
60D NAIL
ELVATION: 93.97
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MW 5AR
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PW 1R
RW 1R
DW 1
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DW4
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DW6
DW7
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TITLE AND TABLE SHEET

SHEET 1 OF 2

MONITOR WELL

MW	TOP OF CASING
MW 44	94.57'
MW 43	95.15'
MW 46	94.90'
MW 42	95.81'
MW 41	94.85'
MW 39	96.19'
MW 38	95.53'
MW 34	94.77'
MW 45	92.51'
MW 47	92.44'
MW 50	84.09'
MW 49	88.18'
MW 48	89.95'
MW 56	76.39'
MW 12	72.80'
MW 55	71.22'
MW 57	67.20'
MW 58	78.37'
MW 59	68.02'
MW 60	67.94'
MW 53	79.60'
MW 40	95.69'
MW 35	93.71'
MW 37	93.78'
MW 31	95.20'
MW 36	93.89'
MW 32	92.87'
MW 33	93.84'
MW 25	93.09'
MW 20	94.12'
MW 19	93.96'
MW 18	94.81'
MW 27	91.40'
MW 24	93.94'
MW 5AR	94.18'
MW 22	94.25'
MW 28	91.46'
MW 29	91.09'
MW 30	92.77'
MW 26	95.96'
MW 7	95.93'
MW 6	94.96'
MW 5	95.26'
MW 2	94.70'
MW 3	94.45'
MW 1	93.89'
MW 4	94.85'
MW 8	94.79'
MW 51	93.91'
MW 52	90.21'
MW 11	88.46'
MW 10	85.98'
MW 9	92.30'
MW 15	86.44'
MW 16	88.19'
MW 17	92.45'
MW 23	94.43'
MW 13	80.44'
MW 54	77.58'

DEEP WELL

DW	TOP OF CASING
DW1	94.66
DW2	94.02
DW3	93.75
DW4	93.79
DW5	93.74'
DW6	95.90'
DW7	72.79'
DW8	68.63'

WELL	TOP OF CASING
PW 1R	93.75
RW 1R	93.68

0' 100' 200' 300'

1" = 100'

PROJECT

HANDY PANTRY #65 UST # 07584

CLOUDS CHEVRON UST # 07777

BAXTER LAND SURVEYING CO., INC.

533 HARDEN STREET COLUMBIA, SC 29205

803-252-8564

APRIL 25, 2005

ROSSER W. BAXTER JR. SCPLS NO. 7613

TITLE AND TABLE SHEET

SHEET 1 OF 2

MONITOR WELL

MW	TOP OF CASING
MW 44	94.57'
MW 43	95.15'
MW 46	94.50'
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DW4	93.79
DW5	93.74
DW6	95.90
DW7	72.79
DW8	68.63

WELL	TOP OF CASING
PW 1R	93.75
RW 1R	93.66

0' 100' 200' 300'

1" = 100'

PROJECT

HANDY PANTRY #65 UST # 07584

CLOUDS CHEVRON UST # 07777

BAXTER LAND SURVEYING CO., INC.

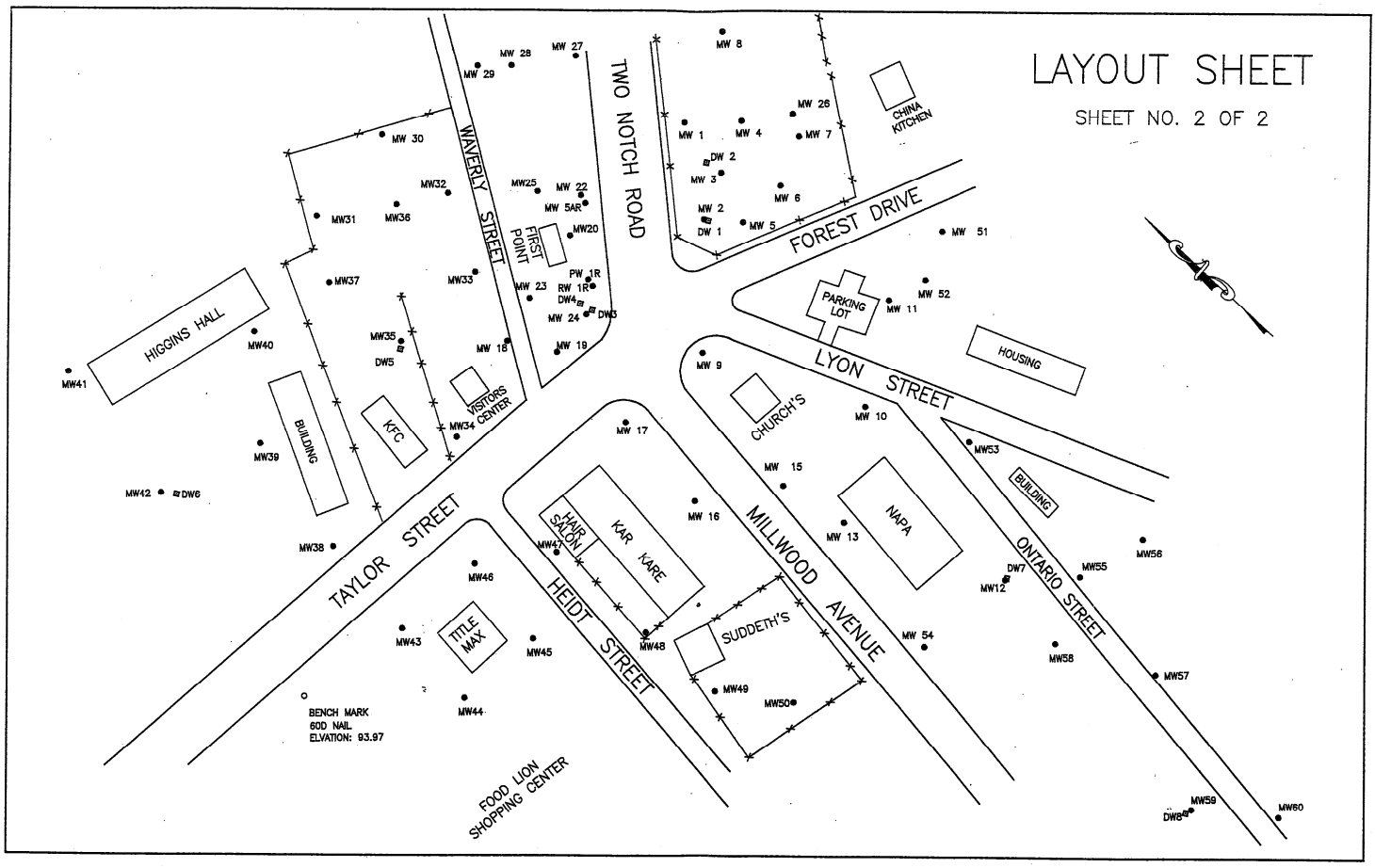
533 HARDEN STREET COLUMBIA, SC 29205

803-252-8564

APRIL 25, 2005

SOUTH CAROLINA BAXTER LAND SURVEYING CO. INC. NO. C00015 CERTIFICATE OF AUTHORIZATION

ROSSER W. BAXTER JR. SCPLS NO. 7613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TITLE AND TABLE SHEET

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DW5	93.74
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DW7	72.79
DW8	68.63

WELL	TOP OF CASING
PW 1R	93.75
RW 1R	93.86

0' 100' 200' 300'

1" = 100'

PROJECT

HANDY PANTRY #65 UST # 07584

CLOUDS CHEVRON UST # 07777

BAXTER LAND SURVEYING CO., INC.

533 HARDEN STREET COLUMBIA, SC 29205

803-252-8564

APRIL 25, 2005

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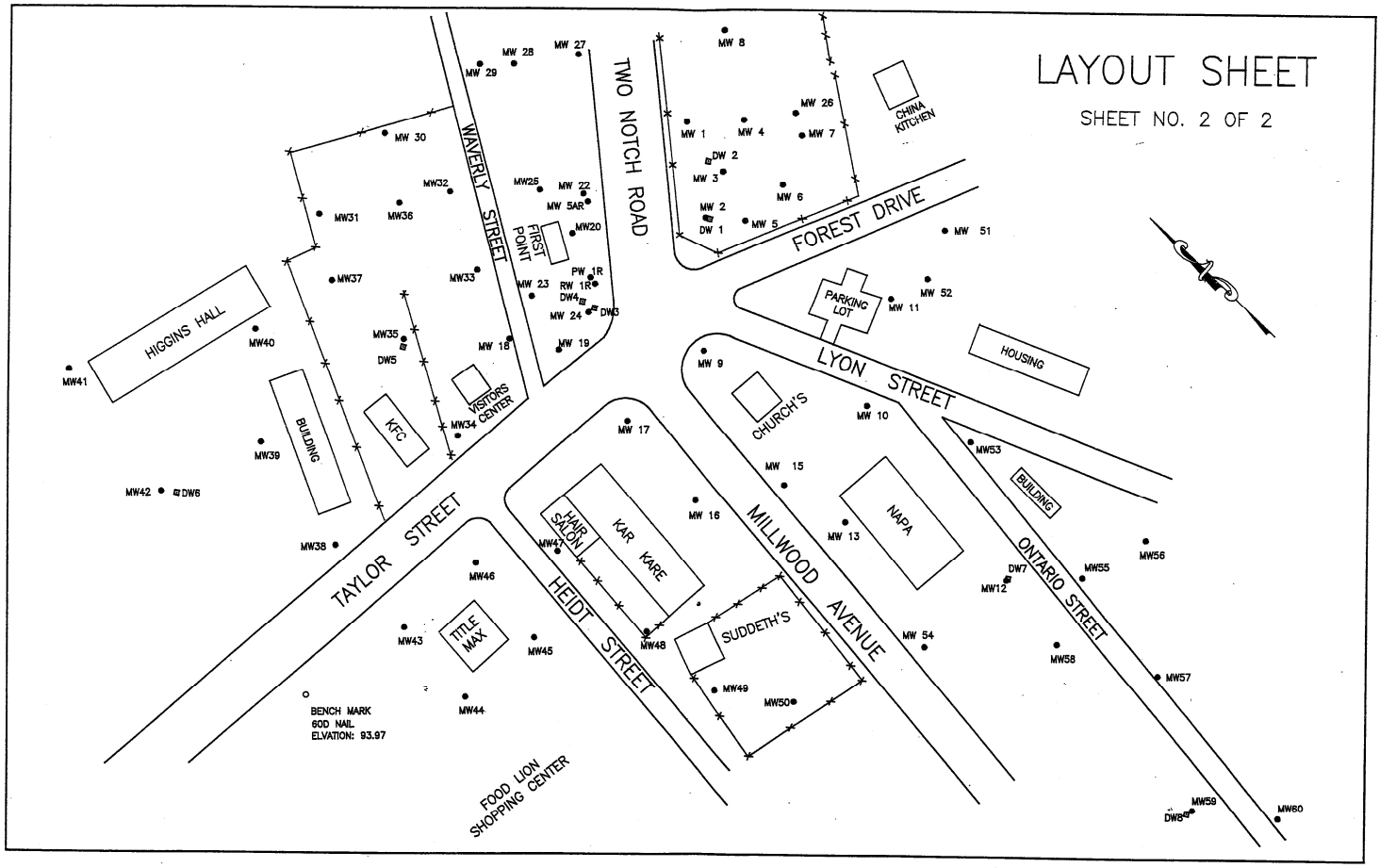
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RW 1R
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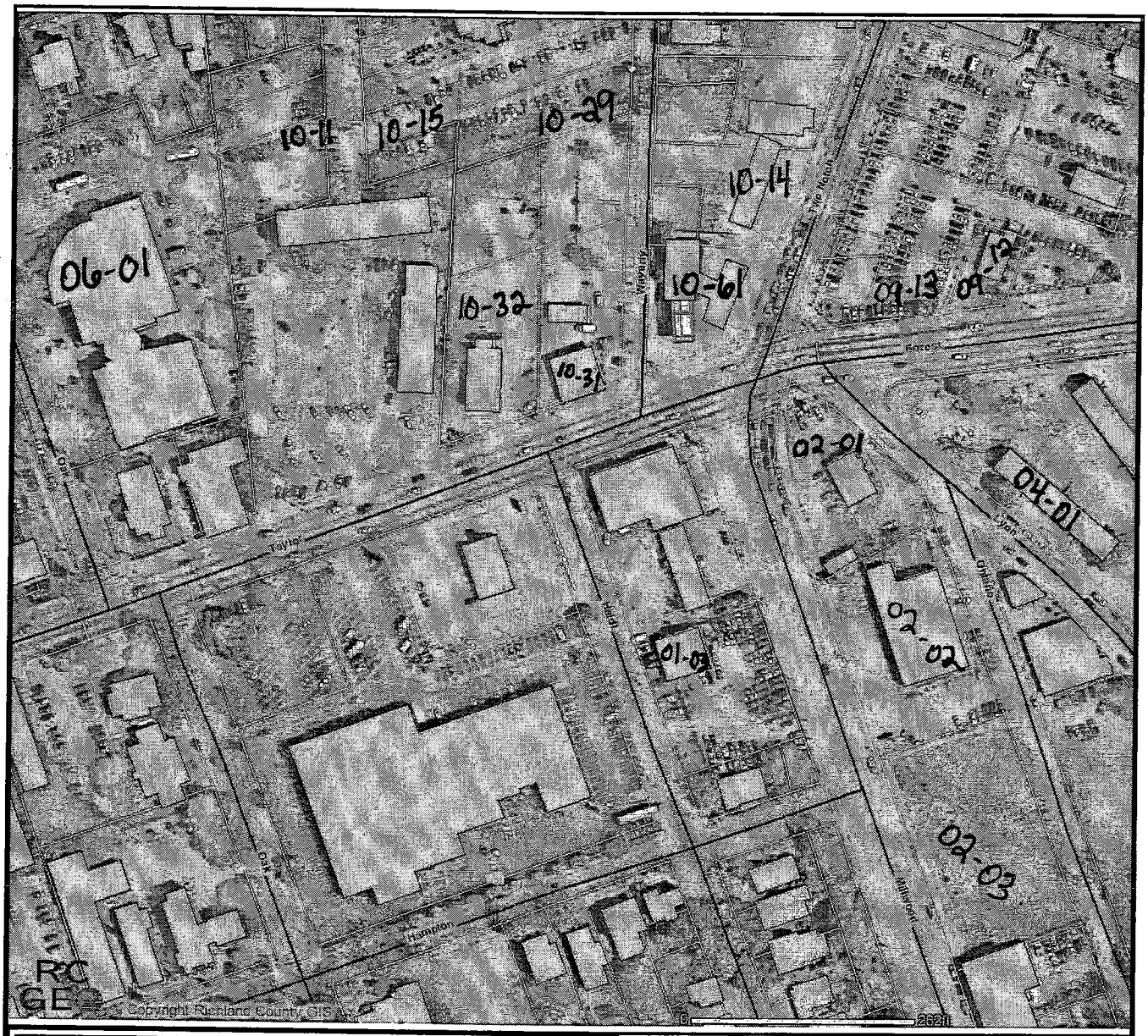
APPENDIX 2
Tax Map and Surrounding Property Owners

Adjacent Property Owners
Clouds Chevron – UST # 07777
Handy Pantry # 65 – UST # 07584
Columbia, SC
Richland County

Tax map and parcel #		Owner name and address
R11408-10-31		The Benedict College 1600 Harden Street Columbia, SC29204
R11411-01-03		Joe T. Suddeth 302 Biddle Road Columbia, SC 29212
R11411-02-01		Betty Gordon Bateman c/o Jesse T. Reese PO Box 1026 Columbia, SC
R11411-02-02		W.L. Boyd, III 455 Alexander Circle Columbia, SC 29206
R11411-02-03		James B. Morrison, Jr. 1014 Laurens St. Columbia
R11411-04-01		Gonzales Garden's Housing Authority PO Box 4307 Columbia SC
R11412-09-12		Cheung Family Corporation 7700 Loch Lane Columbia, SC 29223
R11412-09-13	**SITE**	Providence Hospital c/o Mr. Tom Pollard 803-253-8214
R11412-10-14		Benedict College – same as above – c/o Dr. David H. Swinton
R11412-10-61	**SITE**	Fast Point Food Stores 2811 Reidville Road, Ste 11 Spartanburg, SC
R11407-06-01		Benedict College 1616 Oak St. (1600 Harden Street Columbia,29204)
R11408-10-11		" " 1600 Heidt St.
R11408-10-15		" " 1612 Heidt St.
R11408-10-29		" " 1617 Waverly St.
R11408-10-32		KFC 2349 Taylor St. Columbia, SC



Copyright 2005
Richland County GIS
2020 Hampton St.
Columbia, SC 29204

RC GE

DISCLAIMER : This is a product of the Richland County GIS Department. The data depicted here have been developed with extensive cooperation from other county departments, as well as other federal, state and local governments agencies.Richland County expressly disclaims responsibility for damages or liability that may arise from the use of this map.

PROPRIETARY INFORMATION: Any resale of this information is prohibited, except in accordance with a licensing agreement.

Legend

- County Boundary
- Private Schools
- Public Schools
- Police Stations
- Fire Stations
- County Assets
- Daycares
- Streets
- Buildings
- 2 Ft. Contours
- Streams
- Lakes
- Council Districts
- Zip Codes

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, _____, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located Richland County Tax Parcel Number R11412-10-14 & R11408-10-31, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months; or
- Maintenance of the monitoring well(s).

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time the property owner may contact Consultech if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

Robert Robinson
Company Representative

2/1/05
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

David H Swinton 2/24/2005
Property Owner's Signature

DAVID H. SWINTON
Printed Name

Access Denied:

_____
Property Owner's Signature

_____
Printed Name

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, Hayward Greene, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant Rob Robinson, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located 1611 Two Notch Road, for the purpose of performing an environmental assessment, as requested by DHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months; or
- Maintenance of the monitoring well(s).

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time the property owner may contact Consultech if there are any questions or concerns about work performed on the property.

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This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

Rob Robinson
Company Representative

2/1/05
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

Hayward Greene for Benedict Callaway
Property Owner's Signature

Hayward Greene
Printed Name

Access Denied:

Property Owner's Signature

Printed Name

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, Joe T. Sudduth, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors; and assigns the right to enter upon the property located **Richland County Tax Parcel Number R11411-01-03**, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months; or
- Maintenance of the monitoring well(s).

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time the property owner may contact Consultech if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

Jessica Guthrie
Company Representative

1-17-05
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

Joe T. Sudduth
Property Owner's Signature

Joe T. Sudduth
Printed Name

Access Denied:

Property Owner's Signature

Printed Name

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, _____, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located Richland County Tax Parcel # R11411-02-01, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
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This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

Jessica Guthrie
Company Representative

1-17-05
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

Jesse T Reese III Agent
Property Owner's Signature

Jesse T Reese III
Printed Name

Access Denied:

_____
Property Owner's Signature

_____
Printed Name

FAXED

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, William L. Boyd III, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located Richland County Tax Parcel Number R11411-02-02, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months; or
- Maintenance of the monitoring well(s).

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time the property owner may contact Consultech if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

Jessica Guthrie
Company Representative

1-17-05
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

Property Owner's Signature

W.L. Boyd III
Printed Name

Access Denied:

Property Owner's Signature

Printed Name

CONSULTECH ENVIRONMENTAL, INC.

PERMISSION TO ENTER PROPERTY

I, James B Moorman, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located Richland County Tax Parcel Number R11411-02-03, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months; or
- Maintenance of the monitoring well(s).

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time the property owner may contact Consultech if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

Drew Miller
Company Representative
Drew Miller

3/08/05
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

James B. Moorman
Property Owner's Signature

James B. Moorman, Jr.
Printed Name

Access Denied:

Property Owner's Signature

Printed Name

1800 MacLeod Drive, Suite F * Lawrenceville, GA 30043-5376
678 377-0400 * FAX 678 377-0051

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, _____, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located Richland Co. Tax Parcel #: R11411-04-01, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months; or
- Maintenance of the monitoring well(s).

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time the property owner may contact Consultech if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

Jessica Guthrie
Company Representative

_____
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

_____
Property Owner's Signature

Gilbert Walker
Printed Name

Access Denied:

_____
Property Owner's Signature

_____
Printed Name

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, _____, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located R11412-09-12 _____, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months; or
- Maintenance of the monitoring well(s).

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time the property owner may contact Consultech if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

_____
Company Representative

_____
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

_____
Property Owner's Signature

IN JA Moon
Printed Name

Access Denied:

_____
Property Owner's Signature

_____
Printed Name

1800 MacLeod Drive, Suite F • Lawrenceville, GA 30043-5736
(678) 377-0400 • FAX: (678) 377-0051
www.consultechenv.com

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, _____, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located R11400-10-37, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months; or
- Maintenance of the monitoring well(s).

Wayne Reed gave verbal 803-422-0729

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time the property owner may contact Consultech if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

_____
Company Representative

_____
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

_____
Property Owner's Signature

_____
Printed Name

Access Denied:

_____
Property Owner's Signature

_____
Printed Name

1800 MacLeod Drive, Suite F • Lawrenceville, GA 30043-5736
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APPENDIX 3
Soil Boring Logs and Monitoring Well Construction Details

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-1	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Clayey Sand, Dry, No Odor
8				0		Brown, Clayey Sand, Moist, No Odor
12				0		Light Brown, Clayey Sand, Moist, No Odor
16				0		Light Brown & Grey, Sandy Clay, Moist, No Odor
20				13.6		Light Brown & Grey, Sandy Clay, Moist, No Odor
24*				436		Orange & Grey, Clayey Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-2	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Clayey Sand, Dry, No Odor
8			0		Brown, Clayey Sand, Moist, No Odor
12			1.4		Light Brown, Clayey Sand, Moist, No Odor
16			2		Tan, Sandy Clay, Dry, No Odor
20			45.6		Grey, Sandy Clay, Moist, No Odor
24*			370		Tan, Clayey Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-3	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Clayey Sand, Dry, No Odor
8			0.8		Light Brown, Clayey Sand, Moist, No Odor
12			1.3		Light Brown, Sandy Clay, Moist, No Odor
16			2.9		Orange, Clayey Sand, Moist, Slight Odor
20			10.6		Orange, Clayey Sand, Wet, Odor
24*			17.1		Grey & Tan, Clayey Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-4	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Red Brown, Clayey Sand, Dry, No Odor
8			0		Brown, Clayey Sand, Moist, No Odor
12			0		Brown, Clayey Sand, Moist, No Odor
16			0		Brown, Clayey Sand, Moist, No Odor
20			0		Tan, Clayey Sand, Moist/Wet, No Odor
24*			0		Tan, Sandy Fat Clay, Moist, No Odor
28			0		Tan, Sandy Fat Clay, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-5	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Light Brown, Clayey Sand, Moist, No Odor
8			0		Light Brown, Clayey Sand, Moist, No Odor
12			0		Light Brown, Clayey Sand, Moist, No Odor
16			4.5		Grey, Sandy Clay, Moist, No Odor
20			6.8		Orange, Clayey Sand, Moist/Wet, No Odor
24*			2.3		Maroon & Grey, Sandy Fat Clay, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-6	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Clayey Sand, Moist, No Odor
8			0		Brown, Clayey Sand, Moist, No Odor
12			0		Brown, Clayey Sand, Moist, No Odor
16			0		Light Brown & Grey, Sandy Clay, Moist, No Odor
20			0		Orange, Clayey Sand, Moist, No Odor
24*			0		Grey, Clayey Sand, Wet, Slight Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-8	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE / NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			1.2		Brown, Clayey Sand, Moist, No Odor
8			2.7		Red Brown, Clayey Sand, Moist, No Odor
12			6		Orange, Clayey Sand, Moist, Odor
16			19.2		Orange, Clayey Sand, Moist, Odor
20			26.9		Orange, Clayey Sand, Moist, Odor
24*			32.4		Tan & Orange, Clayey Sand, Moist, Odor
28			40.1		Tan & Orange, Clayey Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-7	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				1.8		Brown, Clayey Sand, Moist, No Odor
8				2.4		Red Brown, Clayey Sand, Moist, No Odor
12				5		Orange, Clayey Sand, Moist, No Odor
16				26.1		Orange, Clayey Sand, Moist, Odor
20				126		Orange & Grey, Clayey Sand, Moist, Odor
24*				211		Grey & Tan, Clayey Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-9	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0.5		Red Brown, Clayey Sand, Dry, No Odor
8				3.1		Red Brown, Clayey Sand, Moist, No Odor
12				6.2		Red Brown, Clayey Sand, Moist, Slight Odor
16				12.1		Orange, Clayey Sand, Moist, Odor
20				12.4		Orange, Clayey Sand, Moist, Odor
24*				26.9		Orange, Clayey Sand, Moist, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-10	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0.2		Brown, Clay Sand, Dry, No Odor
8			0.3		Brown, Clay Sand, Dry, No Odor
12			0.9		Brown, Clay Sand, Dry, No Odor
16			5.1		Brown, Clay Sand, Dry, No Odor
20			6		Brown, Clay Sand, Dry, No Odor
24*			8.8		Grey, Clay Sand, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-11	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			1.3		Brown, Clay Sand, Dry, No Odor
8			2.1		Red-Grey, Clay Sand, Dry, No Odor
12			2.9		Red-Grey, Clay Sand, Dry, No Odor
16			62.6		Red-Grey, Firm, Dry, Odor
20			222		Red-Grey, Firm, Dry, Odor
24*			232		Red-Grey, Firm, Dry, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-12	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			2.5		Brown, Clay Sand, Moist, No Odor
8			5.1		Brown, Clay Sand, Moist, No Odor
12			5.7		Grey, Clay Sand, Moist, No Odor
16			57.5		Grey, Clay Sand, Moist, Odor
20			39.4		Grey, Clay Sand, Moist, Odor
24*			19.4		Grey, Clay Sand, Moist, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-13	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0.3		Brown, Clayey Sand, Dry, No Odor
8				0.6		Brown, Clayey Sand, Dry, No Odor
12				1.2		Brown, Clayey Sand, Dry, No Odor
16				1.8		Brown, Clayey Sand, Dry, No Odor
20				9.7		Brown, Clayey Sand, Dry, Slight Odor
24*				13.5		Brown, Clayey Sand, Moist, Slight Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-14	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			1.3		Brown, Clayey Sand, Dry, No Odor
8			2.5		Brown, Clayey Sand, Dry, No Odor
12			5.3		Brown, Clayey Sand, Moist, No Odor
16			11.2		Brown, Clayey Sand, Moist, Slight Odor
20			22.1		Brown, Clayey Sand, Moist, Odor
24*			45.5		Brown, Clayey Sand, Moist, Odor
28			0		Grey w/purple haze, Fat Clay, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-15	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/10/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0.5		Brown, Sandy Clay, Dry, No Odor
8				3.2		Brown, Clayey Sand, Dry, No Odor
12				5.2		Brown, Clayey Sand, Moist, No Odor
16				8		Brown, Clayey Sand, Moist, No Odor
20				9.2		Tan, Silty Sand, Moist, No Odor
24*				21.3		Tan, Silty Sand, Wet, Slight Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-16	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/10/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				1.4		Brown, Sandy Clay, Moist, No Odor
8				2.4		Brown, Sandy Clay, Moist, No Odor
12				2.7		Brown, Sandy Clay, Moist, No Odor
16				4.6		Brown, Clayey Sand, Moist, No Odor
20				3		Tan, Clayey Sand, Moist, No Odor
24				5.1		White, Sand, Moist, No Odor
27*				11.9		White, Sand, Wet, Odor
28				129		Marroon, Sandy Fat Clay, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-17	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/10/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Clayey Sand, Dry, No Odor
8			0		Red Brown, Clayey Sand, Moist, No Odor
12			1.2		Red Brown, Clayey Sand, Moist, No Odor
16			1		Orange, Clayey Sand, Moist, No Odor
20			1.2		Orange & Tan, Clayey Sand, Moist, No Odor
24			2.3		White, Clayey Sand, Moist, No Odor
26*			2		Orange & Tan, Clayey Sand, Wet, No Odor
28			0		Grey & Maroon, Fat Clay, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-18	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/10/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Clayey Sand, Dry, No Odor
8				0.8		Brown, Clayey Sand, Moist, No Odor
12				2.4		Brown, Sandy Clay, Moist, No Odor
16				2.4		Brown, Clayey Sand, Moist, No Odor
20				2.5		Tan,Silty Sand, Moist, No Odor
24				6		White & Tan, Silty Sand, Moist, No Odor
28*				152		Orange, Silty Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-19	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/10/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Clayey Sand, Dry, No Odor
8				0		Brown, Clayey Sand, Moist, No Odor
12				10.8		Brown, Sandy Clay, Moist, No Odor
16				53.4		Brown, Silty Sand, Moist, Odor
20				10.2		Tan, Silty Sand, Moist, Odor
24*				60.2		Tan, Silty Sand, Wet, Odor
28*				7.2		Tan, Silty Sand, Wet, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-20	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/10/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Clayey Sand, Moist, No Odor
8				0		Red Brown, Clayey Sand, Moist, No Odor
12				6.4		Red Brown, Clayey Sand, Moist, No Odor
16				20.4		Red Brown, Sandy Clay, Moist, Slight Odor
20				35.1		Tan,Silty Sand, Moist, Odor
24				40.3		Tan,Silty Sand, Moist, Odor
27*				19.4		Tan, Silty Sand, Wet, Slight Odor
28				2.3		Red & Grey, Fat Clay, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-21	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/10/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Clayey Sand, Dry, No Odor
8				1.2		Brown, Clayey Sand, Moist, No Odor
12				1.6		Red Brown, Sandy Clay, Moist, No Odor
16				8.3		Brown & Tan, Silty Sand, Moist, No Odor
20				18.6		Tan, Silty Sand, Moist, Odor
24				40.2		Tan & Grey, Silty Sand, Moist, Odor
28*				63.4		Tan & Grey, Silty Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/11/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Clayey Sand, Moist, No Odor
8			0		Brown, Clayey Sand, Moist, No Odor
12			1.2		Brown, Clayey Sand, Moist, No Odor
16			4.9		Orange, Silty Sand, Moist, No Odor
20			10.3		Orange, Silty Sand, Moist, No Odor
24			31.2		Grey, Silty Sand, Moist, Odor
28*			90.2		Grey & Red, Silty Clay, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-23	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/11/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				3.4		Brown, Silty Sand, Moist, No Odor
8				12.3		Brown, Clayey Sand, Moist, No Odor
12				85.2		Brown, Clayey Sand, Moist, Odor
16				6.2		Tan, Silty Sand, Moist, No Odor
20				275		Orange, Silty Sand, Moist, Odor
24				353		Tan, Silty Sand, Moist, Odor
28*				196		Tan, Silty Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-24	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/11/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				1.2		Brown, Silty Sand, Dry, No Odor
8				4.9		Brown, Silty Sand, Moist, No Odor
12				6.4		Brown, Clayey Sand, Moist, Odor
16				10.3		Tan, Silty Sand, Moist, No Odor
20				18.6		Tan, Silty Sand, Moist, Slight Odor
24				35.4		White, Silty Sand, Moist, Odor
28*				818		Grey, Silty Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-25	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/11/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				1.1		Brown, Clayey Silt, Moist, No Odor
12				8.3		Brown, Clayey Silt, Moist, No Odor
16				22.7		Brown, Clayey Silt, Moist, Odor
20				387		Orange, Silty Sand, Moist, Odor
24*				402		Grey, Silty Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-26	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/11/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			1.3		Red Brown, Clayey Silt, Moist, No Odor
8			15.2		Red Brown, Silty Sand, Moist, No Odor
12			109		Red Brown, Silty Sand, Moist, Odor
16			115		Brown & Tan, Silty Sand, Moist, Odor
20			232		Grey, Silty Sand, Moist, Odor
24			173		Orange & Tan, Silty Sand, Moist, Odor
28*			60.1		Grey, Silty Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-27	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/15/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS Every water Layer has been a very porous sand atop a layer of fat clay.
4				0		Red Brown, Clayey Sand, Dry, No Odor
8				0		Red Brown, Clayey Sand, Dry, No Odor
12				0.9		Red Brown, Clayey Sand, Dry, No Odor
16				12.5		Orange, Silty Sand, Moist, No Odor
20				53.9		Orange & Tan, Silty Sand, Moist, Odor
24				102		White, Silty Sand, Moist, Odor
28*				303		Grey, Silty Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-28	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/15/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS Every water Layer has been a very porous sand atop a layer of fat clay.
4				0		Red Brown, Clayey Sand, Dry, No Odor
8				0		Red Brown, Clayey Sand, Dry, No Odor
12				3.3		Red Brown, Clayey Sand, Dry, No Odor
16				31.9		Orange, Silty Sand, Moist, No Odor
20				41.2		Orange, Silty Sand, Moist, No Odor
24				92.1		Tan, Silty Sand, Moist, No Odor
28*				397		Grey, Silty Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-29	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/15/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS Every water Layer has been a very porous sand atop a layer of fat clay.
4			0		Brown, Clayey Sand, Dry, No Odor
8			0		Brown, Clayey Sand, Dry, No Odor
12			1.2		Orange, Silty Sand, Moist, No Odor
16			12.1		Orange, Silty Sand, Moist, Odor
20			34.6		Tan, Silty Sand, Moist, Odor
24			76.2		Grey & Tan, Silty Sand, Moist, Odor
28*			356		Orange & Grey, Silty Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-30	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/15/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS Every water Layer has been a very porous sand atop a layer of fat clay.
4				0		Red Brown, Clayey Sand, Moist, No Odor
8				0		Red Brown, Clayey Sand, Moist, No Odor
12				5.6		Red Brown, Clayey Sand, Moist, No Odor
16				25.9		Orange, Silty Sand, Moist, Odor
20				31.4		Orange & Tan, Silty Sand, Moist, Odor
24				77.7		Grey & Tan, Silty Sand, Moist, Odor
27*				75.1		Grey & Tan, Silty Sand, Wet, Odor
28*				418		Orange & Grey, Clayey Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/15/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS Every water Layer has been a very porous sand atop a layer of fat clay.
4				0		Brown, Silty Sand, Moist, No Odor
8				1.8		Light Brown, Silty Sand, Moist, No Odor
12				3.2		Light Brown, Silty Sand, Moist, No Odor
16				10.1		Light Brown, Silty Sand, Moist, No Odor
20				50		Light Brown, Silty Sand, Moist, Slight Odor
23*				12.8		Light Brown, Silty Sand, Wet, Slight Odor
24*				18.8		Purple Brown, Silty Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/15/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS Every water Layer has been a very porous sand atop a layer of fat clay.
4				0		Brown, Silty Sand, Moist, No Odor
8				0		Orange, Silty Sand, Moist, No Odor
12				0		Orange, Silty Sand, Moist, No Odor
16				0		Orange, Silty Sand, Moist, No Odor
20				4.4		Orange & Tan, Silty Sand, Moist, No Odor
22*				10.8		Orange & Tan, Silty Sand, Wet, No Odor
24*				14.8		Grey Brown, Sandy Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/15/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS Every water Layer has been a very porous sand atop a layer of fat clay.
4			0		Brown, Silty Sand, Moist, No Odor
8			0		Brown, Silty Sand, Moist, No Odor
12			21.2		Red Grey & Tan, Sandy Clay, Moist, Odor
16			81.9		Orange, Silty Sand, Moist, Odor
20			542		Orange, Silty Sand, Moist, Odor
22*			127		Orange, Silty Sand, Wet, Odor
24*			28.7		Purple & Grey, Sandy Clay, Moist, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/15/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 20'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS Every water Layer has been a very porous sand atop a layer of fat clay.
4				0		Brown, Silty Sand, Moist, No Odor
8				0		Orange & Tan, Silty Sand, Moist, No Odor
12				0		Orange & Tan, Silty Sand, Moist, No Odor
16				43.5		Grey & Orange, Clayey Sand, Moist, Odor
19*				245		Grey, Silty Sand, Wet, Odor
20				40.4		Grey & Purple, Silty Clay, Moist, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-35	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 20'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Clayey Sand, Moist, No Odor
8				0		Red Brown, Clayey Sand, Moist, No Odor
12				0		Orange, Clayey Sand, Moist, No Odor
16				21.6		Orange, Clayey Sand, Moist, Slight Odor
20				122		Red Brown & Grey, Silty Clay, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 16'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Clayey Sand, Moist, No Odor
8			0		Red Brown & Grey, Clayey Sand, Moist, No Odor
12			47.9		Orange, Silty Sand, Moist, No Odor
16			58		Orange, Silty Sand, Wet, Odor
20			1.2		Red & Grey, Silty Fat Clay, Moist, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 16'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Clayey Sand, Moist, No Odor
8			0		Red Brown, Clayey Sand, Moist, No Odor
12			3.4		Brown & Grey, Clayey Sand, Moist, No Odor
16*			14.2		Red Brown & Grey, Clayey Sand, Wet, No Odor
20			6.1		Red Brown & Grey, Sandy Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 12'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Red Brown, Clayey Sand, Moist, No Odor
8				0		Red Brown & Grey, Clayey Sand, Moist, No Odor
12*				0		Red Brown & Grey, Clayey Sand, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Moist, No Odor
8				0		Brown, Clayey Sand, Moist, No Odor
12				0		Brown & Grey, Clayey Sand, Moist, No Odor
16				0		Orange, Silty Sand, Moist, No Odor
20				0		Orange, Silty Sand, Moist, No Odor
24*				6.2		Orange, Silty Sand, Moist, No Odor
28				0		Purple & Grey, Silty Clay, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-40	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Moist, No Odor
8			0		Orange, Silty Sand, Moist, No Odor
12			0		Red Brown & Tan, Silty Sand, Moist, No Odor
16			0		Orange & Tan, Silty Sand, Moist, No Odor
20			0		Orange & Tan, Silty Sand, Moist, No Odor
23*			0		Orange & Tan, Silty Sand, Wet, No Odor
24			0		Purple & Grey, Silty Clay, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-41	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Moist, No Odor
8				0		Orange, Silty Sand, Moist, No Odor
12				0		Orange, Silty Sand, Moist, No Odor
16				0		Orange, Silty Sand, Moist, No Odor
20				13.4		Orange & Tan, Silty Sand, Moist, Slight Odor
21*				10.4		Orange & Tan, Silty Sand, Wet, Slight Odor
24				2.8		Purple & Grey, Sandy Clay, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-42	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Moist, No Odor
8				0		Brown, Silty Sand, Moist, No Odor
12				0		Orange, Silty Sand, Moist, No Odor
16				1.2		Orange, Silty Sand, Moist, No Odor
20				20.6		Orange & Tan, Silty Sand, Moist, Slight Odor
24				80.4		Orange & Tan, Silty Sand, Moist, Odor
28*				303		Orange & Grey, Silty Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-43	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Brown, Silty Sand, Moist, No Odor
12				0		Light Brown, Silty Sand, Moist, No Odor
16				6.3		Orange, Silty Sand, Moist, Odor
20				91.4		Orange & Tan, Silty Sand, Moist, Odor
24				80.4		Orange & Tan, Silty Sand, Moist, Odor
28*				274		Orange Tan & Grey, Silty Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-44	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Light Brown, Silty Sand, Moist, No Odor
12				0		Orange, Silty Sand, Moist, No Odor
16				1.4		Orange & Tan, Silty Sand, Moist, Odor
20				6.3		Orange & Tan, Silty Sand, Moist, Odor
24				21.2		Orange & Tan, Silty Sand, Moist, Slight Odor
27*				54.2		Orange & Grey, Silty Clay, Moist, Odor
28				101		Purple & Grey, Silty Clay, Moist, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Brown, Silty Sand, Moist, No Odor
12				0		Brown, Silty Sand, Moist, No Odor
16				3.9		Orange & Tan, Silty Sand, Moist, No Odor
20				4.5		Orange, Silty Sand, Moist, Odor
24				6.2		Orange & Tan, Silty Sand, Moist, No Odor
28*				95.1		Orange & Grey, Silty Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Red Brown, Clayey Sand, Dry, No Odor
8			0		Red Brown, Clayey Sand, Dry, No Odor
12			0		Red Brown, Clayey Sand, Dry, No Odor
16			0		Orange, Silty Sand, Moist, No Odor
20			6.2		Orange & Tan, Silty Sand, Moist, No Odor
24			7.4		Orange & Tan, Silty Sand, Moist, No Odor
28*			378		Tan & Purple, Silty Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Dry, No Odor
8			0		Brown, Silty Sand, Dry, No Odor
12			0		Light Brown, Silty Sand, Moist, No Odor
16			10.1		Tan, Silty Sand, Moist, No Odor
20			44.7		Orange & Tan, Silty Sand, Moist, Odor
24			13.2		Orange & Tan, Silty Sand, Moist, Slight Odor
27*			23.6		Orange & Tan, Silty Sand, Wet, Slight Odor
28			630		Grey & Purple, Silty Clay, Moist, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Brown, Silty Sand, Moist, No Odor
12				0		Light Brown, Silty Sand, Moist, No Odor
16				0		Tan, Silty Sand, Moist, No Odor
20				2.7		Orange, Silty Sand, Moist, No Odor
24				6.3		Orange & Tan, Silty Sand, Moist, No Odor
26*				4.7		Orange & Purple, Silty Sand, Wet, No Odor
28				27.9		Grey & Purple, Silty Clay, Moist, Slight Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Dry, No Odor
8			0		Brown, Silty Sand, Moist, No Odor
12			0		Brown, Silty Sand, Moist, No Odor
16			0		Tan, Silty Sand, Moist, No Odor
20			0		Orange & Tan, Silty Sand, Moist, No Odor
24			0		Tan, Silty Sand, Moist, No Odor
28*			4		Red Brown,Tan & Grey, Silty Sand, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Moist, No Odor
8				0		Light Brown, Clayey Sand, Moist, No Odor
12				0		Light Brown, Silty Sand, Moist, No Odor
16				0		Light Brown, Silty Sand, Moist, No Odor
20				0		Light Brown & Grey, Clayey Sand, Moist, No Odor
23*				0		Light Brown & Grey, Silty Sand, Wet, No Odor
24				0		Purple & Grey, Silty Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Moist, No Odor
8			0		Brown, Clayey Sand, Moist, No Odor
12			0		Orange, Silty Sand, Moist, No Odor
16			0		Orange, Silty Sand, Moist, No Odor
20			0		Orange, Silty Sand, Moist, No Odor
23*			0		Orange & Tan, Silty Sand, Wet, No Odor
24			0		Grey Purple, Sandy Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 20'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS In a Junkyard
4			0		Brown, Clayey Sand, Dry, No Odor
8			4.6		Black & Light Brown, Fill Dirt, Dry, No Odor
12			94.7		Grey, Silty Sand, Moist, Odor
16			60.7		Brown & Grey, Silty Sand, Moist, Odor
20*			12.3		Black & Tan, Silty Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 20'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS In a Junkyard
4				0		Grey & Black, Fill Dirt, Moist, No Odor
8				0		Black, Fill Dirt, Moist, No Odor
12				0		Light Brown, Silty Sand, Moist, No Odor
16				0		Grey, Clayey Sand, Moist, No Odor
19*				0		Tan, Silty Sand, Wet, No Odor
20				0		Red & Grey, Silty Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS In a Junkyard
4				0		Black, Fill Dirt, Dry, No Odor
8				0		Black & Grey, Fill Dirt, Dry, No Odor
12				0		Brown, Silty Sand, Moist, No Odor
16				0		Red,Brown & Tan, Clayey Sand, Moist, No Odor
20				0		Orange & Tan, Silty Sand, Moist, No Odor
23*				0		Orange & Tan, Silty Sand, Wet, No Odor
24				0		Orange & Tan, Silty Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Red Brown, Clayey Sand, Dry, No Odor
12				0		Red Brown, Clayey Sand, Dry, No Odor
16				0		Orange, Silty Sand, Dry, No Odor
20				0		Tan, Silty Sand, Moist, No Odor
24				1.2		White & Tan,Silty Sand, Moist, No Odor
27*				1.5		White & Tan,Silty Sand, Wet, No Odor
28				2.3		Purple & Grey, Sandy Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/22/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Dry, No Odor
8			0		Brown, Silty Sand, Dry, No Odor
12			0		Brown, Silty Sand, Dry, No Odor
16			0		Orange, Silty Sand, Moist, No Odor
20			1.2		Orange & Tan, Silty Sand, Moist, No Odor
24			3.4		White & Tan,Silty Sand, Moist, No Odor
27*			4.5		White & Tan,Silty Sand, Moist, No Odor
28			5.3		Purple & Grey, Sandy Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/22/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Brown, Silty Sand, Dry, No Odor
12				10.2		Brown, Silty Sand, Dry, No Odor
16				12.5		Brown, Silty Sand, Dry, No Odor
20				22.5		Orange & Tan, Silty Sand, Moist, Odor
24				29.2		White,Silty Sand, Moist, Odor
28*				914		White & Tan, Clayey Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/22/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Dry, No Odor
8			0		Brown, Silty Sand, Dry, No Odor
12			0		Brown, Silty Sand, Dry, No Odor
16			3.2		Brown, Silty Sand, Moist, No Odor
20			5.6		Orange, Silty Sand, Moist, No Odor
24			7.9		White,Silty Sand, Moist, No Odor
28*			12.7		White. Silty Sand, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/22/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Brown, Silty Sand, Dry, No Odor
12				0		Brown, Silty Sand, Dry, No Odor
16				1.4		Light Brown, Silty Sand, Moist, No Odor
20				4.6		Orange & Tan, Silty Sand, Moist, No Odor
24				7.2		White,Silty Sand, Moist, No Odor
28*				10.1		White & Tan, Silty Sand, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/22/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Dry, No Odor
8			0		Brown, Silty Sand, Dry, No Odor
12			0		Brown, Silty Sand, Moist, No Odor
16			0		Light Brown, Silty Sand, Moist, No Odor
20			1.1		Orange, Silty Sand, Moist, No Odor
24			1.2		Orange & White, Silty Sand, Moist, No Odor
28*			2.3		White, Silty Sand, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/22/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 32'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Brown, Silty Sand, Dry, No Odor
12				0		Brown, Silty Sand, Moist, No Odor
16				0		Brown, Silty Sand, Moist, No Odor
20				0		Tan, Silty Sand, Moist, No Odor
24				0		Grey, Silty Sand, Moist, No Odor
28				0		Grey & Tan, Clayey Sand, Moist, No Odor
32*				0		Grey & Brown, Sandy Clay, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/22/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Brown, Silty Sand, Dry, No Odor
12				0		Brown, Silty Sand, Moist, No Odor
16				0		Brown, Silty Sand, Moist, No Odor
20				5.1		Orange, Silty Sand, Moist, No Odor
24				6.8		Grey, Silty Sand, Moist, No Odor
28*				37.9		Orange & Tan, Silty Sand, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/22/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Brown, Silty Sand, Dry, No Odor
12				0		Brown, Silty Sand, Dry, No Odor
16				0		Brown, Silty Sand, Moist, No Odor
20				0		Orange, Silty Sand, Moist, No Odor
24				0		Grey, Silty Sand, Moist, No Odor
28*				0		Grey & Tan, Silty Sand, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				1.5		Red Brown, Clayey Sand, Moist, No Odor
12				8.1		Red Brown, Clayey Sand, Moist, No Odor
16				10.8		Orange, Silty Sand, Moist, Slight Odor
20				15.6		Orange, Silty Sand, Moist, Slight Odor
24				41.4		White, Silty Sand, Moist, Odor
27*				1841		Orange & Tan, Silty Sand, Wet, Odor
28				1015		Purple & Orange, Sandy Clay, Moist, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Dry, No Odor
8			0		Brown, Silty Sand, Moist, No Odor
12			1.3		Red Brown, Clayey Sand, Moist, No Odor
16			3.4		Red Brown, Clayey Sand, Moist, No Odor
20			8.4		Orange, Silty Sand, Moist, No Odor
24			18.8		Orange, Silty Sand, Moist, Slight Odor
26*			83.1		Purple & Orange, Silty Sand, Wet, Odor
28			60.7		Purple & Orange, Sandy Clay, Moist, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, White,& Red, Fill Dirt, Dry, No Odor
8						Brown, White,& Red, Fill Dirt, Dry, No Odor
12				0		Brown, Clayey Sand, Moist, No Odor
16				0		Orange Brown, Clayey Sand, Moist, No Odor
20				1.2		Orange Brown, Clayey Sand, Moist, No Odor
24*				2.5		Orange, Silty Sand, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 12'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			4.1		Red Brown, Clayey Sand, Moist, No Odor
8*			6.2		Grey & Brown, Clayey Sand, Wet, No Odor
12			14.5		Grey, Sandy Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 12'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			4		Red Brown, Clayey Sand, Moist, No Odor
8			4.4		Brown & Black, Clayey Sand, Moist/Wet, No Odor
10*			6		Brown & Black, Clayey Sand, Wet, No Odor
12			13.9		Grey, Sandy Clay, Wet, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-69	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 12
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0.8			Brown, Clayey Sand, Moist, No Odor
8		5			Brown, Clayey Sand, Wet, No Odor
12*		3.2			Black, Sandy Clay, Wet, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-70	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 12
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		3.5			Brown, Silty Sand, Moist, No Odor
8		5.9			Black, Silty Sand, Moist/Wet, No Odor
12*		13.7			Brown/Black, Silty Sand, Wet, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-71	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 12
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			1.2			Brown, Silty Sand, Moist, No Odor
8			0			Grey Red & Brown, Sandy Clay, Moist, No Odor
12*			13.7			Grey & Orange, Sandy Clay, Wet, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-72	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0			Brown, Silty Sand, Moist, No Odor
8		0			Red Brown, Silty Sand, Dry, No Odor
12		0			Red Brown, Silty Sand, Dry, No Odor
16		0			Orange, Silty Snad, Moist, No Odor
20		5.6			Tan, Silty Sand, Moist, No Odor
24		12.4			Orange & Grey, Silty Sand, Moist, Slight Odor
28*		104			Orange & Tan, Silty Sand, Wet, Slight Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-73	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0			Red Brown, Silty Sand, Dry, No Odor
8		0			Red Brown, Silty Sand, Dry, No Odor
12		0			Red Brown, Silty Sand, Dry, No Odor
16		1.2			Brown, Silty Sand, Moist, No Odor
20		4.2			Tan, Silty Sand, Moist, No Odor
24		6.4			Tan, Silty Sand, Moist, No Odor
28*		6.5			Purple Grey & Tan, Clayey Sand, Wet, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-74	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0			Red Brown, Silty Sand, Dry, No Odor
8		0			Red Brown, Silty Sand, Dry, No Odor
12		0			Red Brown, Silty Sand, Dry, No Odor
16		0			Orange, Silty Sand, Dry, No Odor
20		1.2			Orange, Silty Sand, Moist, No Odor
24		5.2			Orange, Silty Sand, Moist, No Odor
28*		36.8			Tan Pink & Grey, Silty Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-77	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0			Brown, Silty Sand, Dry, No Odor
8			0			Brown, Silty Sand, Dry, No Odor
12			2.7			Orange & Tan, Silty Sand, Dry, No Odor
16			6.3			Orange, Silty Sand, Moist, No Odor
20			12			Orange, Silty Sand, Moist, Odor
24			25.1			Grey, Silty Sand, Moist, Odor
28*			105			Purple & Grey, Sandy Clay, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-78	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0			Brown, Silty Sand, Dry, No Odor
8		0			Brown, Silty Sand, Dry, No Odor
12		0			Tan, Silty Sand, Dry, No Odor
16		4.5			Orange, Silty Sand, Moist, No Odor
20		7.9			Orange, Silty Sand, Moist, No Odor
24		62.3			Grey, Silty Sand, Moist, Odor
27*		184			Purple & Grey, Silty Sand, Wet, Odor
28*		205			Purple & Grey, Sandy Clay, Moist, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-79	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0			Brown, Clayey Sand, Dry, No Odor
8		0			Brown, Clayey Sand, Dry, No Odor
12		0			Light Brown, Silty Sand, Dry, No Odor
16		0			Tan, Silty Sand, Moist, No Odor
20		0			Orange, Silty Sand, Moist, No Odor
24		0			Orange & Tan, Silty Sand, Moist, No Odor
28*		0			White & Orange, Silty Sand, Wet, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-1	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 31'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
31						H2O

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-75	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0			Brown, Silty Sand, Dry, No Odor
8		0			Red Brown, Silty Sand, Dry, No Odor
12		0			Red Brown, Silty Sand, Dry, No Odor
16		0			Orange, Silty Sand, Moist, No Odor
20		0			Orange, Silty Sand, Moist, No Odor
24		0.5			White, Silty Sand, Moist, No Odor
27*		1.4			Grey,Silty Sand, Wet, No Odor
28		3.2			Purple & Grey, Silty Clay, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-76	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0			Brown, Silty Sand, Dry, No Odor
8		0			Red Brown, Silty Sand, Dry, No Odor
12		0			Red Brown, Silty Sand, Dry, No Odor
16		0			Orange, Silty Sand, Dry, No Odor
20		0			Orange, Silty Sand, Moist, No Odor
24		6.2			White, Silty Sand, Moist, No Odor
28*		7.4			Grey & Tan, Clayey Sand, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-2	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 26'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
26				H2O	

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-3	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
24					H2O

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-4	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 14'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
14					H2O

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-5	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 14'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
14				H2O	

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-6	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
24					H2O	

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-7	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
28				H2O	

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-8	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
28					H2O

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-9	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
28					H2O	

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-10	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 14'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
14						Dry

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-10a	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 16'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
16						Water Sample

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. DSB-1	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 64'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			4.3		Brown, Clayey Sand, Dry, No Odor
8			6.5		Brown, Clayey Sand, Dry, No Odor
12			8.6		Light Brown, Silty Sand, Moist, No Odor
16			12.4		Orange, Silty Sand, Moist, No Odor
20			20.1		Orange, Silty Sand, Moist, Slight Odor
24			60.7		Tan & White, Silty Sand, Moist, Odor
28			387		Tan & White, Silty Sand, Moist, Odor
32			1923		Purple & Grey, Clayey Sand, Wet, Odor
36			1975		Purple & Grey, Sandy Clay, Moist, Odor
40			1342		Purple & Grey, Sandy Clay, Moist, Odor
44			1219		Purple & Grey, Silty Sand, Moist, Odor
48			987		Grey & Tan, Silty Sand, Wet, Odor
52			875		Grey & Tan, Silty Sand, Wet, Odor
56			912		Tan, Silty Sand, Wet, Odor
60			443		Tan & Purple& Grey, Silty Sand, Wet, Odor
64			195		Red & Tan & Purple, Sandy Clay, Moist, Odor

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-27 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Light Brown Clayey Sand	12	12
Grey Sandy Clay	4	16
Orange Clayey Sand	4	20
Grey Sandy Clay	10	30
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-27

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/7/05

30 ft Date Completed: 4/7/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 15 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 15 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 17 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 13 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other_____
Depth: From 0.5 ft to 13 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-28 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude; 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clavey Sand	12	12
Grey Sandy Clay	4	16
Orange Clavey Sand	4	20
Grey Clavey Sand	4	24
Grey Sandy Clay	6	30
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-28

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/6/05

30 ft Date Completed: 4/6/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 15 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight _____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 15 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 19 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 13 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 13 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ ft ___ direction
Type _____
Well Disinfected [ ] Yes [ ] No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not installed [ ]
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft Capacity _____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-29 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clayey Sand	20	20
Grey Clayey Sand	4	24
Grey Sandy Clay	6	30
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-29

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/6/05

30 ft Date Completed: 4/6/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 15 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 15 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 19 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 13 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 13 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-30 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clayey Sand	24	24
Grey Sandy Clay	6	30
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-30

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/7/05

30 ft Date Completed: 4/7/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 15 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 15 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 23 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping_____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 13 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 13 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____ Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-31 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clayey Sand	16	16
Tan Silty Sand	11	27
Grey Sandy Clay	1	28
Red Brown Silty Sand	7	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-31

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/7/05

35 ft Date Completed: 4/7/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping_____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____ Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-32 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clavey Sand	8	8
Grey Clavey Sand	22	30
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-32

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/7/05

30 ft Date Completed: 4/7/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 15 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 15 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 24 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 13 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 13 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____ Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-33 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clavey Sand	12	12
Tan Silty Sand	16	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-33

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/8/05

35 ft Date Completed: 4/8/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight _____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 26 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type _____
Well Disinfected [ ] Yes [ ] No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not installed [ ]
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft Capacity _____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-34 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Red Brown Clavey Sand	12	12
Tan Silty Sand	15	27
Grey Clavey Sand	1	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-34

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/8/05

35 ft Date Completed: 4/8/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-35 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Red Brown Clavey Sand	12	12
Tan Silty Sand	16	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-35

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/8/05

35 ft Date Completed: 4/8/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 26 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping_____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other_____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft__ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____ Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-36 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clayey Sand	16	16
Tan Silty Sand	12	28
Purple Grey Sandy Clay	7	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-36

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/8/05

35 ft Date Completed: 4/8/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 26 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-37 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	12	12
Tan Silty Sand	16	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-37

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/8/05

35 ft Date Completed: 4/8/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 26 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-38 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	16	16
Tan Silty Sand	12	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-38

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/4/05

35 ft Date Completed: 4/4/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight _____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ ft ___ direction
Type _____
Well Disinfected [ ] Yes [ ] No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not installed [ ]
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft Capacity _____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-39 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	16	16
Tan Silty Sand	8	24
White & Tan Clayey Sand	4	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-39

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/5/05

35 ft Date Completed: 4/5/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 28 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft__ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____ Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-40 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	4	4
Red Brown Clayey Sand	8	12
Tan Silty Sand	15	27
Grey Sandy Clay	8	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-40

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/5/05

35 ft Date Completed: 4/5/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight _____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ ft ___ direction
Type _____
Well Disinfected [ ] Yes [ ] No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not installed [ ]
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft Capacity _____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-41 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	24	24
Tan Clayey Sand	4	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-41

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/4/05

35 ft Date Completed: 4/4/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft__ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-42 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	24	24
Tan Clayey Sand	4	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-42

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/4/05

35 ft Date Completed: 4/4/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 28 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-43 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Road
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	8	8
Tan Silty Sand	16	24
Grey Sandy Clay	16	40
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-43

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/25/05

40 ft Date Completed: 3/25/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20
Set Between: 20 ft and 40 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 28 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 40 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft__ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-44 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Road
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	8	8
Tan Silty Sand	16	24
Grey Sandy Clay	7	31
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-44

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/25/05

31 ft Date Completed: 3/25/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 11 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20
Set Between: 11 ft and 31 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 28 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 9 ft. to 31 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other_____
Depth: From 0.5 ft to 9 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-45 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Road
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	8	8
Tan Silty Sand	16	24
Grey Sandy Clay	6	30
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-45

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/28/05

30 ft Date Completed: 3/28/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 10 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20
Set Between: 10 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 24 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 8 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 8 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____ Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-46 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Road
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	8	8
Tan Silty Sand	16	24
Grey Sandy Clay	6	30
Tan Clayey Sand	5	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-46

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/31/05

35 ft Date Completed: 3/31/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 15 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight _____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20
Set Between: 15 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 26 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 13 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 13 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ ft ___ direction
Type _____
Well Disinfected [ ] Yes [ ] No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not installed [ ]
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft Capacity _____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-47 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	8	8
Red Brown Clavey Sand	8	16
Orange Silty Sand	10	26
Orange Sandy Clay	9	35
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-47

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/30/05

35 ft Date Completed: 3/30/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 15 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20
Set Between: 15 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 24 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 13 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 13 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-48 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	8	8
Red Brown Clavey Sand	8	16
Orange Silty Sand	10	26
Orange Sandy Clay	4	30
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-48

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/30/05

30 ft Date Completed: 3/30/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 10 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20
Set Between: 10 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 24 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 8 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other_____
Depth: From 0.5 ft to 8 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-49 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Black Fill Dirt	8	8
Brown Silty Sand	4	12
Brown Clayey Sand	4	16
Orange Silty Sand	7	23
Tan Silty Clay	7	30
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-49

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/29/05

30 ft Date Completed: 3/29/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 10 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20
Set Between: 10 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 19 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping_____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 8 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 8 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft__ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____ Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-50 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Black Fill Dirt	8	8
Brown Silty Sand	4	12
Brown Clayey Sand	4	16
Orange Silty Sand	7	23
Tan Silty Clay	7	30
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-50

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/29/05

30 ft Date Completed: 3/29/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 10 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight _____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20
Set Between: 10 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 15 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 8 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 8 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type _____
Well Disinfected [ ] Yes [ ] No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not installed [ ]
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft Capacity _____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-51 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clayey Sand	12	12
Orange Silty Sand	16	28
Grey Silty Clay	7	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-51

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/29/05

35 ft Date Completed: 3/29/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 15 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20
Set Between: 15 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 25 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 13 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 13 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft__ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____ Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-52 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clayey Sand	12	12
Orange Silty Sand	16	28
Grey Silty Clay	7	35
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-52

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/24/05

30 ft Date Completed: 3/24/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 10 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight _____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20
Set Between: 10 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 22 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 8 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 8 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ ft ___ direction
Type _____
Well Disinfected [ ] Yes [ ] No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not installed [ ]
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft Capacity _____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-53 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clayey Sand	16	16
Grey Silty Clay	4	20
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-53

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/24/05

20 ft Date Completed: 3/24/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 5 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 5 ft and 20 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 22 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 3 ft. to 20 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 3 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft__ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-54 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clavey Sand	12	12
Brown Sandy Clay	8	20
*Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-54

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/23/05

20 ft Date Completed: 3/23/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 5 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 5 ft and 20 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 13 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 3 ft. to 20 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other_____
Depth: From 0.5 ft to 3 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-55 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Red Brown Clavey Sand	12	12
Brown Sandy Clay	2	14
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-55

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/23/05

14 ft Date Completed: 3/23/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 4 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight _____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10
Set Between: 4 ft and 14 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 8 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 2 ft. to 14 ft
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 2 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
Type _____
Well Disinfected [ ] Yes [ ] No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not installed [ ]
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft Capacity _____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-56 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Red Brown Clavey Sand	12	12
Brown Sandy Clay	8	20
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-56

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/22/05

20 ft Date Completed: 3/22/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 5 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 5 ft and 20 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 9 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 3 ft. to 20 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other_____
Depth: From 0.5 ft to 3 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-57 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Red Brown Clavey Sand	12	12
Brown Sandy Clay	2	14
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-57

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/22/05

14 ft Date Completed: 3/22/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 4 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10
Set Between: 4 ft and 14 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 8 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 2 ft. to 14 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other_____
Depth: From 0.5 ft to 2 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-58 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	12	12
Brown Sandy Clay	7	19
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-58

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/21/05

19 ft Date Completed: 3/21/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 4 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 4 ft and 19 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 8 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 2 ft. to 19 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other_____
Depth: From 0.5 ft to 2 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-59 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	12	12
Brown Sandy Clay	5	17
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-59

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/21/05

17 ft Date Completed: 3/21/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 2 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 2 ft and 17 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 5 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 1 ft. to 17 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other_____
Depth: From 0.5 ft to 1 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-60 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	8	8
Grey Sandy Clay	6	14
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-60

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/21/05

14 ft Date Completed: 3/21/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 4 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10
Set Between: 4 ft and 14 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 7 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 2 ft. to 14 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 2 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-61 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clavey Sand	16	16
Tan Silty Sand	11	27
Grey Sandy Clay	8	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-61

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 5/13/05

35 ft Date Completed: 5/13/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping_____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____ Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/20/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-62 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clayey Sand	10	10
Tan Silty Sand	13	23
Grey Sandy Clay	12	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-62

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 5/13/05

35 ft Date Completed: 5/13/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping_____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____ Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/20/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-63 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	15	15
Tan Clavey Sand	10	25
Grey Sandy Clay	10	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-63

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 5/13/05

35 ft Date Completed: 5/13/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/20/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-64 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	21	21
Tan Clayey Sand	8	29
Grey Sandy Clay	6	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-64

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 5/16/05

35 ft Date Completed: 5/16/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft.
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/20/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-65 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	21	21
Tan Clavey Sand	3	24
Grey Sandy Clay	11	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-65

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 5/16/05

35 ft Date Completed: 5/16/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight _____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type _____
Well Disinfected [ ] Yes [ ] No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not installed [ ]
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft Capacity _____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/20/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-66 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	23	23
Tan Clayey Sand	5	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-66

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 5/17/05

35 ft Date Completed: 5/17/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight _____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ ft ___ direction
Type _____
Well Disinfected [ ] Yes [ ] No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not installed [ ]
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft Capacity _____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/20/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-67 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	19	19
Tan Silty Sand	10	29
Grey Sandy Clay	6	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 . MW-67

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 5/17/05

35 ft Date Completed: 5/17/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other_____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft__ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not Installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/20/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-68 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	18	18
Tan Clavey Sand	4	22
Grey Sandy Clay	13	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-68

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 5/18/05

35 ft Date Completed: 5/18/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight _____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ ft ___ direction
Type _____
Well Disinfected [ ] Yes [ ] No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not installed [ ]
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft Capacity _____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/20/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-69 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	17	17
Tan Clayey Sand	4	21
Grey Sandy Clay	14	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-69

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 5/18/05

35 ft Date Completed: 5/18/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other_____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/20/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-70 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	15	15
Tan Clayey Sand	5	20
Grey Sandy Clay	15	35
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-70

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 5/18/05

35 ft Date Completed: 5/18/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight _____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 28 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ ft ___ direction
Type _____
Well Disinfected [ ] Yes [ ] No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not installed [ ]
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft Capacity _____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/20/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: DW-4 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clavey Sand	8	8
Light Brown Silty Sand	20	28
Grey Clavey Sand	4	32
Grey Sandy Clay	78	110
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 DW-4

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/7/05

110 ft Date Completed: 4/7/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 105 ft depth
5" in. to 100 ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 5
Set Between: 105 ft and 110 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 13 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 103 ft. to 110 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 103 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: DW-5 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clayey Sand	8	8
Light Brown Silty Sand	20	28
Grey Clayey Sand	4	32
Grey Sandy Clay	38	70
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 DW-5

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/1/05

70 ft Date Completed: 4/1/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 65 ft depth
5" in. to 60 ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 5
Set Between: 65 ft and 70 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 45 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 63 ft. to 70 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 63 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: DW-6 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	28	28
Grey Clayey Sand	4	32
Grey Sandy Clay	38	70
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 DW-6

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/5/05

70 ft Date Completed: 4/5/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 65 ft depth
5" in. to 60 ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 5
Set Between: 65 ft and 70 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 45 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 63 ft. to 70 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 63 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: DW-7 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	12	12
Red Brown Sandy Clay	4	16
Grey Sandy Clay	39	55
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 DW-7

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/8/05

55 ft Date Completed: 4/8/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 50 ft depth
5" in. to 45 ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 5
Set Between: 50 ft and 55 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 25 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 48 ft. to 55 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 48 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: DW-9 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	12	12
Red Brown Sandy Clay	4	16
Grey Sandy Clay	49	65
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 DW-9

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 5/12/05

65 ft Date Completed: 5/13/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 60 ft depth
5" in. to 55 ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 5
Set Between: 60 ft and 65 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 25 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 58 ft. to 65 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 58 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/20/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: DW-8 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	12	12
Red Brown Sandy Clay	4	16
Grey Sandy Clay	39	55
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 DW-8

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/7/05

55 ft Date Completed: 4/7/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 50 ft depth
5" in. to 45 ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 5
Set Between: 50 ft and 55 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 25 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 48 ft. to 55 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 48 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

CONSULTECH ENVIRONMENTAL, INC.

May 20, 2005
June 24, 2005 Revised

RECEIVED
JUN 2 9 2005
UNDERGROUND STORAGE
TANK PROGRAM

Mr. Art Shrader
Assessment and Corrective Action Division
Underground storage Tank Program
South Carolina DHEC
2600 Bull Street
Columbia, South Carolina 29201

RE: Tier II Assessment Report Addendum
Former Handy Pantry #65, 2367 Taylor Street
UST Permit #07584 & #18389, CA 23764
Former Clouds Chevron, 1600 Two Notch Road
UST Permit #07777 & #12352, CA 23767
Columbia, Richland County, South Carolina

Dear Mr. Shrader,

Consultech is pleased to submit this copy of the Tier II Assessment Report, prepared for the above referenced facility in accordance with the Tier II Assessment Plan (Tier II) document dated March 15, 2000 and contract SB-26861-10/26/04-EMW dated November 2, 2004, as authorized by the South Carolina Department of Health and Environmental Control (SCDHEC).

If you should have any questions about this report, please do not hesitate to contact me at (678) 377-0400 Ext 214.

Sincerely,

CONSULTECH ENVIRONMENTAL, INC.

#2224
UST PROGRAM
DOCKETING #

James R. Wilson, P.G.
Senior Project Manager

cc: File C-04-12-008 & C-04-12-009

1800 MacLeod Drive, Suite F * Lawrenceville, GA 30043-5376
678 377-0400 * FAX 678 377-0051

TIER II ASSESSMENT REPORT ADDENDUM

RECEIVED
MAY 25 2005
UNDERGROUND STORAGE TANK PROGRAM

Former Handy Pantry #65, 2367 Taylor Street
UST Permit #07584 & #18389, CA 23764
Former Clouds Chevron, 1600 Two Notch Road
UST Permit #07777 & #12352, CA 23767
Columbia, Richland County, South Carolina

Prepared for:

South Carolina Department of Health
And Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Prepared by:

Consultech Environmental, Inc.
1800 Macleod Dr. Suite F
Lawrenceville, Georgia 30043

Consultech Project No. C-04-12-008 & C-04-12-009

May 2005

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4	Field Data
5	Laboratory Analytical Results
6	Soil, Water, and Product Waste Disposal Manifest

TIER II ASSESSMENT CERTIFICATION

Tier II Assessment Report (Tier II) Certification

I hereby certify that the information contained in this plan and the associated attachments is true, accurate, and complete, and the plan satisfies all the criteria and requirements of the tier II assessment guidelines dated March 15, 2000.

Adrienne C. Brooks (Consultech Environmental, Inc.) — Date 5-24-05
Project Manager

I hereby certify that I have directed the fieldwork and preparation of this plan in accordance with State Rules and Regulations. As a registered geologist, I certify that I am a qualified groundwater professional, as defined by the South Carolina Board of Registration for Geologists. All of the information and laboratory data in this plan and in all of the attachments is true, accurate, complete, and in accordance with applicable State Rules and Regulations.

James R Wilson, P.G. (Consultech Environmental, Inc.) — Date 5/24/05
Senior Project Manager



1.0 PROJECT BACKGROUND INFORMATION

This section presents the purpose of the Tier II Assessment Report (Tier II), a description of the site, and the site assessment history.

1.1 Purpose

The purpose of a Tier II assessment is to provide the South Carolina Department of Health and Environmental Control (SCDHEC) with sufficient information to determine if the petroleum release reported in the Tier II Assessments conducted for the Former Handy Pantry #65 and the Former Clouds Chevron poses a potential risk to human health or to the environment. The Tier II from both sites indicated that a release of petroleum hydrocarbon constituents had migrated downgradient and this Tier II Addendum was to delineate the plume in all directions. This Tier II specifically provides information outlined in the scope of work as defined in the SCDHEC Tier II Assessment Plan (Tier II) guidance document, dated March 15, 2000. Please reference Consultech's Standard Operating Procedures document, dated December 2004. This report presents the extent of petroleum hydrocarbons released to the environment and an evaluation of the risk of exposure to potential receptors, and also provides a plan that adequately protects human health, safety, and the environment.

1.2 Site Description

The subject property, Former Handy Pantry #65 (former Simba Express #2 and currently Fast Point #24) is located at 2367 Taylor Street, and the Former Clouds Chevron (currently a parking lot for Providence Hospital) is located at 1600 Two Notch Road in Columbia, South Carolina (Figure 1). Figure 2 indicates the general location of the former USTs and dispensers.

1.3 Site Assessment History

Former Handy Pantry #65 (Simba Express #2) has had three releases that were reported to SCDHEC from April 17, 1998 through April 29, 1999. Three 10,000-gallon USTs, along with the associated piping and dispensers, were removed from the site on June 16, 1998 and March 24, 1999. The site currently has one 12,000-gallon gasoline UST and one 8,000-gallon gasoline UST in operation in the area of the former USTs. The initial assessments were conducted by SPATCO from 1992 to 1993 and by Kimtrell & Associates, Inc. in 1999. A modified Tier II Assessment was performed by Force & Associates, Inc. in 2003.

Former Clouds Chevron has had a release reported to SCDHEC in March 18, 1992. Two 8,000-gallon gasoline USTs and two 5,000-gallon gasoline USTs along with the associated piping and dispensers, were removed from the site on May 28, 1992. A previous Tier II was performed by Midlands Environmental Consultants, Inc. A modified Tier II Assessment was performed by Force & Associates, Inc. for both sites in 2003. Analytical results indicated that the groundwater at the both sites had been impacted by a petroleum hydrocarbons release. The Tier II from both sites indicated that a release of petroleum hydrocarbon constituents had migrated downgradient and this Tier II Addendum was to delineate the plume in all directions.

2.0 POTENTIAL RECEPTOR SURVEY

The receptor survey included a private and public groundwater supply well search, a surface water body search in the area of the site, an underground utility survey, and a discussion of current and future uses of the site and downgradient properties.

2.1 Location of Drinking Water Supplies

Consultech conducted a water systems survey in the vicinity of the site. Consultech personnel found no water wells that exist within a 1,000-foot radius of either of the subject sites and all businesses and residences in the area are on city water.

2.2 Location of Surface Water Bodies

There is one surface water body within a 1,000-foot radius of the subject site. The nearest surface water body is an unnamed creek/ditch located 600 feet to the south of the two sites.

2.3 Underground Utility Survey

Subsurface utilities in the site area include water, fiber optic/telephone, storm sewer, sanitary sewer, and gas lines, as shown on Figure 2. Locations and estimated depths of these utilities were obtained during the site investigations. Water lines run on the south side of Taylor Street/Forest Drive and on the east side of Heidt Street, Millwood Drive, and Oak Street in the easement. Fiber optic/telephone lines run on the south side of Taylor Street/Forest Drive, on the west side of Millwood Drive and Two Notch Road, and on the east side of Oak Street in the easement. Storm sewer lines run on the south side of Taylor Street/Forest Drive and across the Food Lion parking lot to the west side of Heidt Street, Ontario Street, and Oak Street in the easement. Sanitary sewer lines run through the center of Taylor Street/Forest Drive and through the center of Two Notch Road/Millwood Drive. Gas lines run on the north side of Taylor Street/Forest Drive, on the east side of Heidt Street and Oak Street, on the west side of Millwood Drive, on the east side of Two Notch Road and Waverly Street in the easement. Depths for these utilities are estimated to be two to five feet below the ground surface. No other underground utilities were located or scanned with a PID.

Electrical lines exist above ground level on utility poles that are located all around the property as shown in Figure 2. Groundwater in the site area occurs at depths ranging from 2 to 28 ft-bgs. Therefore, underground utilities could not be acting as conduits for groundwater flow except for the area between NAPA Auto Parts and the creek/ditch approximately 500 to 600 feet south of the sites where groundwater is less than 8 ft-bgs.

2.4 Current and Future Uses of the Site and Downgradient Properties

The former Handy Pantry #65 is currently a Fast Point convenience store/gas station. The former Clouds Chevron is currently an employee parking lot for Providence Hospital. The properties surrounding the sites are commercial and residential in nature. Figure 2 illustrates the locations of the adjacent properties with respect to the subject site. The sites are bordered to the north of the sites by a vacant field and residential properties. China Kitchen and Providence Hospital is to the east of the sites. Public housing and a parking lot is to the southeast. Church's Chicken and NAPA Auto Parts is to the south of the sites. Kar Kare Auto, Suddeth's Towing, and a hair salon is to the southwest. Title Max and Food Lion is to the west-southwest of the sites. Benedict College and Kentucky Fried Chicken is to the west and northwest of the sites. Future uses of the surrounding properties will likely remain the same.

3.0 HYDROGEOLOGY AND GEOLOGY

3.1 Regional Geology and Hydrogeology

Richland County is located within the Southern Piedmont Physiographic Province. The Piedmont is characterized by rolling upland topography broken by stream valleys and high prominent hills. The rocks of the area are composed of Pre-Cambrian igneous and metamorphic rocks, which have undergone extensive alteration through multiple events of folding and faulting. Richland County lies in the Carolina Slate Belt, which is composed predominantly of rocks that reflect slight to medium grade metamorphism. The Carolina Slate Belt contains many shallow granitic plutons that were formed during the Alleghenian Orogeny. This portion of Richland County is within the Congaree River Sub-Basin. Groundwater occurs in the Middendorf Aquifer System. The general geology of the site consists of unconsolidated Cretaceous sediments deposited in a riverine environment. In a riverine environment, rounded pebbles are also deposited. These sediments are representative of deposition in fluvial or upper delta-plain environments.

3.2 Site Hydrogeology

For this site, a benchmark was established with an assumed elevation of 93.97 feet above the National Geodetic Vertical Datum (NGVD) on top of a bolt on a pole on the Title Max property, which was tied in to the survey conducted at the former Handy Pantry 65 and former Clouds Chevron properties. Groundwater elevations were initially measured on February 8, 2005 in monitoring wells MW-1 through MW-4, MW-6 through MW-8, MW-10 through MW-13, MW-15 through MW-20, MW-22 through MW-25 before screening the site. Groundwater elevations were measured on April 19 through 21, 2005 in monitoring wells MW-1 through MW-13, MW-15 through MW-20, MW-22 through MW-60, MW-5aR, PW-1R, RW-1R, and DW-1 through DW-8 in order to determine static water levels, to establish the groundwater gradient, and to check for liquid phased hydrocarbons (LPH). Newer monitoring wells MW-61 through MW-70, and DW-9 were measured on May 17 and 18, 2005 since they were drilled later. The groundwater elevations in the on-site shallow monitoring wells ranged from 74.38 feet in MW-27 to 62.65 feet in MW-60, with respect to a relative datum elevation of 93.97 feet. LPH was detected in monitoring well MW-3 at a thickness of 0.43 feet, MW-10 at a thickness of 0.79 feet, and in MW-18 at a thickness of 0.02 feet. A summary of the measurement data collected from the monitoring wells is presented on Table 1.

3.3 Site Geology

The subsoil in this area is predominantly brown to grey to orange clayey sand to sandy clay alternating from the ground surface to a depth of 110 ft-bgs as noted by the Tier II investigations and the new wells for the Tier II Addendum (Appendix 3). Soil boring/monitoring well installation lithological data indicated that soil types and depths appear to be predominantly uniform across the site. Groundwater levels in the sand range from 2 to 28 ft-bgs.

3.4 Site Topography

Topographic relief within a quarter mile radius of the subject property, as evidenced by the U.S.G.S. 7.5-minute quadrangle topographic map for the area (Columbia North, South Carolina, Figure 3), ranges between 260 and 330 feet above the NGVD. The subject properties have elevations of 295 feet for the former Handy Pantry #65 and 305 feet for the former Clouds Chevron above the NGVD. The general direction of surface water drainage in the site vicinity of the former Clouds Chevron appears to be to the south towards the creek/ditch. The general direction of surface water drainage in the site vicinity of the former Handy Pantry #65 appears to be to the west-northwest towards Benedict College. The nearest surface water body is an unnamed creek/ditch located 600 feet to the south of the sites. A Site Topographic Map with potential receptors is presented as Figure 3.

4.0 INVESTIGATIVE METHODS AND SAMPLING

4.1 Field Screening

The soil borings were scanned with a calibrated PID meter and collected on four-foot intervals to approximate depths of 32 ft-bgs for shallow borings to 64 ft-bgs for deep borings. Detectable PID readings were indicated in all of the soil borings except for SB-4, SB-6, SB-38, SB-40, SB-50, SB-51, SB-53, SB-54, SB-61, SB-63, and SB-79. PID field screening results for the soil and groundwater are presented in Table 2, and a groundwater PID field-screening map is provided as Figure 7.

4.2 Soil Boring/Monitoring Well Installation

Soil samples were described on the basis of lithology, color, texture, and relative moisture content. The shallow monitoring wells installed were two-inch PVC wells. Monitoring wells MW-27 through MW-30, MW-32, MW-45, MW-48 through MW-50, and MW-52 were installed at 30 ft-bgs. Monitoring wells MW-31, MW-33 through MW-42, MW-46, MW-47, MW-51, and MW-61 through MW-70 were installed at 35 ft-bgs. Monitoring well MW-43 was installed at 40 ft-bgs. Monitoring well MW-44 was installed at 31 ft-bgs. Monitoring wells MW-53, MW-54, and MW-56 were installed at 20 ft-bgs. Monitoring wells MW-55, MW-57, and MW-60 were installed at 14 ft-bgs. Monitoring well MW-58 was installed at 19 ft-bgs. Monitoring well MW-59 was installed at 17 ft-bgs. Ten to twenty feet of 0.010-inch slotted well screen was used in construction of the shallow monitoring wells. Six deep wells were installed for this investigation. Deep well DW-4 was installed by DW-3 with five-inch casing at 100 feet and the two-inch casing at 105 feet. The two-inch screen was set from 105 to 110 feet. Deep well DW-5 was drilled beside MW-35 with five-inch casing at 60 feet and the two-inch casing at 65 feet. The two-inch screen was set from 65 to 70 feet. Deep well DW-6 was paired with monitoring well MW-42. The five-inch casing of DW-6 was advanced to 60 ft-bgs. A boring was then advanced through the inside of the five-inch well casing to a depth of 65 ft-bgs. Screen was set from 65 to 70 ft-bgs. Deep well DW-7 was paired with MW-12. The five-inch casing of DW-7 was advanced to 45 ft-bgs, and the two-inch screen was set from 50 to 55 ft-bgs. Deep well DW-8 was paired with MW-59. The five-inch casing of DW-8 was advanced to 45 ft-bgs, and the two-inch screen was set from 50 to 55 ft-bgs. Deep well DW-9 was paired with MW-58. The five-inch casing of DW-9 was advanced to 55 ft-bgs, and the two-inch screen was set from 60 to 65 ft-bgs. The well construction diagrams are included with the soil boring logs in Appendix 3.

4.3 Soil Sampling

Soil samples were collected from monitoring wells MW-28, MW-32 through MW-39, MW-41, MW-43, MW-45, MW-47, MW-49, MW-52 through MW-54, and MW-56 through MW-58 as part of this Tier II Investigation to determine soil concentrations above the water table at different areas around the subject sites. Soil analytical data is presented in Table 3. The soil cuttings generated during all of Consultech's drilling activities were scanned with a calibrated PID and placed in 55-gallon drums. The soil cuttings were then disposed of accordingly.

4.4 Groundwater Sampling

Groundwater samples were initially collected from soil borings WS-1 through WS-10, and monitoring wells MW-43, MW-44, MW-56, MW-57, and MW-59 for screening purposes and were rush analyzed for BTEX, naphthalenes, and MTBE. Groundwater samples were collected from monitoring wells MW-1 through MW-13, MW-15 through MW-20, MW-22 through MW-60, MW-5aR, PW-1R, RW-1R, DW-1 through DW-8, and SW-1 and were analyzed for BTEX, naphthalenes, MTBE, EDB, 1,2 DCA, 8-Oxygenates, and total lead. In addition, monitoring wells MW-27 through MW-60, and DW-4 through DW-8 were analyzed for dissolved iron, nitrate, sulfate, and methane. The newest monitoring wells MW-61 through MW-70 and DW-9 were sampled for rush analysis of BTEX, naphthalenes, and MTBE. The laboratory reports are presented in Tables 5, 6, & 7 and Appendix 5.

5.0 PHYSICAL AQUIFER CHARACTERISTICS

5.1 Hydraulic Conductivity Tests

Consultech conducted in-situ horizontal hydraulic conductivity tests in monitoring wells MW-12, MW-42, DW-6, and DW-7. The hydraulic conductivity tests were conducted by using a disposable bailer or pump to bail out as much water as possible. Using an oil/water interface probe, the water levels were then recorded with time as the water level in the wells returned to their static levels. The recovery data and completion details of the wells were used to determine the in-situ hydraulic conductivity using the Bower and Rice method for the case of an unconfined aquifer, partially penetrated by a well.

The hydraulic conductivities calculated from this method are considered estimated values based on several assumptions, most notably homogeneous, isotropic aquifer flow with minimal sand pack recharge.

5.2 Direction and Rate of Groundwater Flow

Groundwater depths measured in December 2003 and February to May 2005 and their corresponding elevations are presented on Table 1. All wells were gauged for the presence of LPH using an oil/water interface probe. On April 19-21, 2005, LPH was detected in monitoring wells MW-3 at a thickness of 0.43 feet, MW-10 at a thickness of 0.79 feet, and in MW-18 at a thickness of 0.02 feet.

The groundwater elevations taken on April 19-21, and May 17-18, 2005 are illustrated on Figure 5 for the shallow wells and Figure 6 for the deep wells. These figures indicate that the groundwater flow direction is to the northwest for the former Handy Pantry #65 site and to the south for the former Clouds Chevron site for both the shallow and deep water zones. Based on the groundwater elevations in the wells and the distances between them, the average hydraulic gradient (referenced as "i") is estimated to be 0.004 feet per foot (ft/ft) across the site between monitoring wells MW-5aR and MW-69 for the shallow groundwater and 0.0029 (ft/ft) between monitoring wells DW-4 and DW-6 for the deep groundwater for the former Handy Pantry #65 site. The average hydraulic gradient is estimated to be 0.010 ft/ft across the site between monitoring wells MW-5aR and MW-60 for the shallow groundwater and 0.0045 ft/ft between monitoring wells DW-4 and DW-8 for the deep groundwater for the former Clouds Chevron site.

The groundwater flow velocity (V) was estimated for the site using the Darcy equation, V=(K x i)/neff. This equation assumes a homogeneous, isotropic aquifer that is infinite in a real extent (i.e., no boundary conditions).

The shallow groundwater in the northwest direction (MW-42) with the horizontal K (0.0161 feet per day), the i (0.004 ft/ft), and the estimated neff (0.18). Based on this calculation, the groundwater velocity is estimated to be 0.00036 ft/day or 0.131 ft/year.

The deep groundwater in the northwest direction (DW-6) with the horizontal K (0.0000306 feet per day), the i (0.0029 ft/ft), and the estimated neff (0.13). Based on this calculation, the groundwater velocity is estimated to be 0.000000676 ft/day or 0.000247 ft/year.

The shallow groundwater in the southern direction (MW-12) with the horizontal K (0.00431 feet per day), the i (0.010 ft/ft), and the estimated neff (0.18). Based on this calculation, the groundwater velocity is estimated to be 0.000239 ft/day or 0.0874 ft/year.

The deep groundwater in the southern direction (DW-7) with the horizontal K (0.00258 feet per day), the i (0.0045 ft/ft), and the estimated neff (0.13). Based on this calculation, the groundwater velocity is estimated to be 0.0000893 ft/day or 0.0326 ft/year.

6.0 HORIZONTAL AND VERTICAL EXTENT OF PETROLEUM HYDROCARBONS

6.1 Extent of Petroleum Contamination in Soil

Soil samples were analyzed for BTEX and naphthalene constituents. The applicable risk-based screening levels (RBSLs) for the subject sites are benzene at 0.007 mg/kg, toluene at 1.450 mg/kg, ethylbenzene at 1.150 mg/kg, xylenes at 14.500 mg/kg, and naphthalenes at 0.036 mg/kg.

The RBSL for benzene was exceed in soil borings MW-32 through MW-37, MW-41, MW-53, MW-54, MW-57, and MW-58. The RBSL for toluene was exceed in soil boring MW-33. The RBSL for ethylbenzene and xylenes and were not exceeded in any of the soil borings. The RBSL for naphthalenes was exceed in soil borings MW-32 through MW-34, MW-36, and MW-41. Table 3 presents the soil sample analytical results, and Figure 7 presents the boring locations with analytical results.

A review of the analytical data for soil samples collected from the site indicates that the vertical and horizontal extent of petroleum hydrocarbons-affected soils have been delineated at the subject site.

6.2 Extent of Petroleum Contamination in Groundwater

On April 19-21, May 17-18, and June 2, 2005, groundwater samples were collected from monitoring wells MW-1 through MW-13, MW-15 through MW-20, MW-22 through MW-70, MW-5aR, PW-1R, RW-1R, DW-1 through DW-9, SW-1, and ST-1.

Table 5 presents the historical analytical results for BTEX, MTBE, and naphthalenes in groundwater on the site. Figure 8 presents the lateral distribution of dissolved benzene in groundwater across the site on April 19-21, and May 17-18, 2005. Benzene was detected in groundwater above the RBSL of 5.0 µg/l in monitoring wells MW-2, MW-3, MW-5, MW-6, MW-9 through MW-12, MW-15, MW-17 through MW-20, MW-22 through MW-25, MW-31 through MW-37, MW-39 through MW-42, MW-47, MW-54, MW-55, MW-57, MW-58, MW-5aR, PW-1R, RW-1R, DW-3, DW-4, DW-7, SW-1, and ST-1.

Toluene was detected in groundwater above the RBSL of 1,000 µg/l in monitoring wells MW-2, MW-3, MW-5, MW-9, MW-10, MW-12, MW-15, MW-17 through MW-20, MW-22 through MW-25, MW-33 through MW-35, MW-37, MW-39 through MW-42, MW-57, MW-5aR, PW-1R, RW-1R, and DW-3. Ethylbenzene was detected in groundwater above the RBSL of 700 µg/l in monitoring wells MW-2, MW-3, MW-5, MW-9, MW-10, MW-12, MW-17 through MW-20, MW-25, MW-34, MW-37, MW-39, MW-40, MW-57, MW-5aR, PW-1R, and RW-1R. Xylenes were detected above the RBSL of 10,000 ug/l in monitoring wells MW-5, MW-9, MW-10, MW-17 through MW-20, MW-25, MW-34, MW-39, and MW-57.

MTBE (Figure 9) was detected in groundwater above the RBSL of 40 monitoring wells MW-2, MW-3, MW-10, MW-12, MW-18 through MW-20, MW-22 through MW-24, MW-35, MW-39, MW-55, MW-57, MW-58, MW-5aR, PW-1R, RW-1R, DW-3, SW-1, and ST-1. Naphthalenes (Figure 10) were detected in groundwater above the RBSL of 25 µg/l in monitoring wells MW-2, MW-3, MW-5, MW-9, MW-10, MW-12, MW-15, MW-17 through MW-20, MW-22 through MW-25, MW-31 through MW-37, MW-39 through MW-42, MW-57, MW-58, MW-5aR, PW-1R, RW-1R, DW-3, and DW-4.

Table 6 presents other petroleum hydrocarbons constituents and natural attenuation parameters that were measured during the April 19-21, 2005 sampling event. The following indicates RBSLs exceeded due to the release on the subject site. EDB (Figure 11) was detected in groundwater above the RBSL of 0.05 µg/l in monitoring wells MW-5, MW-12, MW-18, MW-19, MW-24, MW-27, MW-28, MW-36, MW-37, MW-41, MW-42, MW-65, RW-1R, DW-3, DW-4, and DW-6. Total lead was detected in groundwater above the RBSL of 0.015 µg/l in monitoring wells MW-2, MW-3, MW-5, MW-9, MW-17, MW-18, MW-19, MW-20, MW-23, MW-24, MW-25, MW-29, MW-33, MW-35, MW-39, MW-54, MW-58, MW-59, MW-5aR, RW-1R, and DW-8. Table 7 presents the groundwater analytical results from the individual Oxygenates.

The former Handy Pantry #65 petroleum hydrocarbon plume has migrated approximately 600 feet west of the former tank pit area. The edge of the hydrocarbon plume is currently downgradient of monitoring well MW-68 for the shallow plume and deep well DW-5 for the deep plume. There appears to be another UST release in the area of monitoring wells MW-41, MW-64, and MW-65 due to the increased concentrations in this area. In addition, the groundwater velocity is very slow and would not reach this far from the former Handy Pantry #65 petroleum hydrocarbon plume.

The former Clouds Chevron BP petroleum hydrocarbon plume has migrated approximately 600 feet south of the former UST system area. The edge of the shallow and deep hydrocarbon plume is currently at the unnamed creek/ditch which has been impacted by the hydrocarbon plume.

Natural attenuation parameters will be discussed in Section 8.2.

6.3 Extent of LPH Plume

On December 30, 2003, LPH was detected in monitoring wells MW-9, MW-15, and MW-18 at thickness of 0.01, 0.02, and 0.24 feet, respectively. On February 8, 2005, LPH was detected in monitoring wells MW-3, MW-10, MW-15, MW-18, and MW-22 at thickness of 0.74, 0.13, 0.03, 0.31, and 0.03 feet, respectively. On April 19, 2005, LPH was detected in monitoring wells MW-3, MW-10, and MW-18 at thickness of 0.43, 0.79, and 0.02 feet, respectively. An LPH recovery test was conducted on April 19, 2005 and indicated a true thickness of 0.59 feet of LPH in monitoring well MW-10 and no recovery in monitoring wells MW-3 or MW-18. The product recovery test data and results are presented in Appendix 4.

7.0 GROUNDWATER MODELING

7.1 Domenico's Model

The Domenico's Model was utilized to determine site specific target levels (SSTLs) for the source area. The SSTLs were calculated in the two previous Tier II investigations and can be reviewed in those reports. SCDHEC will calculate more SSTLs using the new slug test data from this investigation.

7.2 Fate and Transport Modeling

The fate and transport modeling were conducted in the two previous Tier II investigations and can be reviewed in those reports and SCDHEC will conduct more fate and transport modeling using the new slug test data from this investigation.

8.0 TIER II SITE EVALUATION

8.1 Site Conceptual Model and Exposure Points

A site conceptual exposure model was completed for the sites during the past two investigations and will be conducted by SCDHEC for this investigation.

8.2 Site Specific Point of Compliance

There are no primary exposure points for the former Handy Pantry #65. The unnamed creek/ditch 600 feet south of the two sites is considered the primary exposure point for the former Clouds Chevron. Underground utilities are not considered exposure points until the plume reaches within 100 feet from the unnamed creek/ditch since the deepest utility is less than five ft-bgs and the groundwater in the subject site area is located at a depth between 2 and 28 ft-bgs. Dissolved petroleum constituents have impacted the unnamed creek/ditch 600 feet south of the two sites shown by analytical results from the creek sample SW-1.

Four points of compliance will be established for the two plumes. Consultech recommends that monitoring wells MW-42 and DW-6 be established as the points of compliance between the former Handy Pantry #65 and points downgradient and monitoring wells MW-59 and DW-8 be established as the point of compliance between the former Clouds Chevron and downgradient from the unnamed creek/ditch.

8.3 Natural Attenuation Parameters Evaluation

On April 19-21, and May 17-18, 2005, dissolved oxygen concentrations measured ranged from 1.0 milligrams per liter (mg/l) in monitoring well MW-18 to 5.0 mg/l in monitoring well DW-9. Dissolved oxygen in distilled water was 7.6 mg/l. Comparison of Tables 4 and 5 shows that areas with deleted dissolved oxygen concentrations coincide with areas of elevated petroleum hydrocarbons concentrations, and high dissolved oxygen concentrations coincide with areas of low to nonexistent petroleum hydrocarbons concentrations. This is an indication that petroleum hydrocarbons beneath the site are being biodegraded by aerobic respiration.

Nitrate was present in 29 of 39 wells, with detectable concentrations ranging from 0.11 mg/l in MW-41 to 18.4 mg/l in MW-49. Therefore, nitrate is occurring naturally. Areas of depleted nitrate correlate with areas of elevated BTEX concentrations; therefore, there is evidence that petroleum hydrocarbons beneath the site are being biodegraded through denitrification.

8.0 TIER II SITE EVALUATION

8.1 Site Conceptual Model and Exposure Points

A site conceptual exposure model was completed for the sites during the past two investigations and will be conducted by SCDHEC for this investigation.

8.2 Site Specific Point of Compliance

There are no primary exposure points for the former Handy Pantry #65. The unnamed creek/ditch 600 feet south of the two sites is considered the primary exposure point for the former Clouds Chevron. Underground utilities are not considered exposure points until the plume reaches within 100 feet from the unnamed creek/ditch since the deepest utility is less than five ft-bgs and the groundwater in the subject site area is located at a depth between 2 and 28 ft-bgs. Dissolved petroleum constituents have impacted the unnamed creek/ditch 600 feet south of the two sites shown by analytical results from the creek sample SW-1.

Four points of compliance will be established for the two plumes. Consultech recommends that monitoring wells MW-69 and DW-6 be established as the points of compliance between the former Handy Pantry #65 and points downgradient and monitoring wells MW-59 and DW-8 be established as the point of compliance between the former Clouds Chevron and downgradient from the unnamed creek/ditch.

8.3 Natural Attenuation Parameters Evaluation

On April 19-21, and May 17-18, 2005, dissolved oxygen concentrations measured ranged from 1.0 milligrams per liter (mg/l) in monitoring well MW-18 to 5.0 mg/l in monitoring well DW-9. Dissolved oxygen in distilled water was 7.6 mg/l. Comparison of Tables 4 and 5 shows that areas with deleted dissolved oxygen concentrations coincide with areas of elevated petroleum hydrocarbons concentrations, and high dissolved oxygen concentrations coincide with areas of low to nonexistent petroleum hydrocarbons concentrations. This is an indication that petroleum hydrocarbons beneath the site are being biodegraded by aerobic respiration.

Nitrate was present in 32 of 42 wells, with detectable concentrations ranging from 0.11 mg/l in MW-41 to 18.4 mg/l in MW-49. Therefore, nitrate is occurring naturally. Areas of depleted nitrate correlate with areas of elevated BTEX concentrations; therefore, there is evidence that petroleum hydrocarbons beneath the site are being biodegraded through denitrification.

Ferrous iron was present in 25 of 42 monitoring wells. Detectable concentrations were less than 13 mg/l, indicating that dissolved iron is naturally occurring at low levels. Measured ferrous iron (Fe^{+2}) concentrations range from 0.056 mg/l in MW-47 to 12.8 mg/l in MW-31. Areas of elevated BTEX concentrations coincide with most areas of elevated ferrous iron (Fe^{+2}) concentrations. This suggests that ferric iron (Fe^{+3}) oxides are being reduced to ferrous iron (Fe^{+2}) during biodegradation of petroleum hydrocarbons.

Sulfate was present in 36 of 39 wells, with detectable concentrations ranging from 1.7 mg/l in monitoring well MW-51 to 87.1 mg/l in monitoring well DW-8. The concentrations of sulfate are not consistently low in areas with elevated BTEX concentrations; therefore, there are no solid indications that anaerobic biodegradation of petroleum hydrocarbons is occurring by sulfate reduction.

8.4 Calculation of Site Specific Target Levels

SSTL Models were caculated in the two previous Tier II investigations and can be reviewed in those reports.

8.5 RBCA Site Classification

Based on the SCDHEC document "Risk Based Corrective Action for Petroleum Releases" dated May 15, 2001, Appendix A – RBCA Site Priority Classification System, Consultech classifies this release as a 1F. This site is classified as a 1F because chemicals of concern exist in the creek/ditch located 600 feet south of both UST sites. In addition, free product exists in three monitoring wells at a measured thickness greater than 0.01 foot.

9.0 RECOMMENDATIONS

The former Handy Pantry #65 petroleum hydrocarbon plume has migrated approximately 600 feet west of the former tank pit area. The edge of the hydrocarbon plume is currently downgradient of monitoring well MW-68 for the shallow plume and deep well DW-5 for the deep plume. There appears to be another UST release in the area of monitoring wells MW-41, MW-64, and MW-65 due to the increased concentrations in this area. In addition, the groundwater velocity is very slow and would not reach this far from the former Handy Pantry #65 petroleum hydrocarbon plume.

The former Clouds Chevron BP petroleum hydrocarbon plume has migrated approximately 600 feet south of the former UST system area. The edge of the shallow and deep hydrocarbon plume is currently at the unnamed creek/ditch which has been impacted by the hydrocarbon plume. The creek/ditch and monitoring wells upgradient should be remediated to reduce petroleum hydrocarbon concentrations at the creek/ditch to RBSLs for each chemical of concern.

Four points of compliance will be established for the two plumes. Consultech recommends that monitoring wells MW-69 and DW-6 be established as the points of compliance between the former Handy Pantry #65 and points downgradient and monitoring wells MW-59 and DW-8 be established as the point of compliance between the former Clouds Chevron and downgradient from the unnamed creek/ditch.

Based on our Tier II Site Evaluation, corrective action appears to be necessary at the subject site. The Domenico's Model should be rerun on current concentrations to determine site specific target levels (SSTLs) for the source area. The SSTLs were calculated in the two previous Tier II investigations and can be reviewed in those reports. In addition, monitoring wells MW-3, MW-10, and MW-18 should have the LPH reduced to less than 0.01 feet of thickness in each well.

In addition, an investigation should be conducted in the area of monitoring wells MW-41, MW-64, and MW-65 to determine where the unknown UST or petroleum source is located on the Benedict College property.

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TABLES

TABLE 1
Well Construction Details andGroundwater Elevation Data (ft)
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777

Monitoring Well	Date	Depth of Screen Below Ground Surface	TOC Elevation	Depth to Product from TOC	Depth to Water from TOC	Groundwater Elevation
MW-1	12/30/03	17.0-27.0	104.67		21.45	83.22
	02/08/05		93.89		22.95	70.94
	04/19/05		93.89		22.89	71.00
MW-2	12/30/03	20.0-30.0	105.5		23.30	82.19
	02/08/05		94.7		24.13	70.57
	04/19/05		94.7		24.08	70.62
MW-3	12/30/03	19.0-29.0	105.22		23.44	81.78
	02/08/05		94.45	23.30	30.04	64.41
	04/19/05		94.45	23.70	24.13	70.32
MW-4	12/30/03	18.0-28.0	105.64		21.29	84.35
	02/08/05		94.85		22.34	72.51
	04/19/05		94.85		22.89	71.96
MW-5	12/30/03	16.0-26.0	105.59		22.92	82.67
	04/19/05		95.26		23.58	71.68
MW-6	12/30/03	20.0-30.0	105.77		23.55	82.22
	02/08/05		94.96		24.43	70.53
	04/19/05		94.96		24.30	70.66
MW-7	12/30/03	20.0-30.0	106.76		23.59	83.17
	02/08/05		95.93		24.54	71.39
	04/19/05		95.93		24.52	71.41
MW-8	12/30/03	18.5-28.5	105.57		20.28	85.29
	02/08/05		94.79		21.93	72.86
	04/19/05		94.79		21.90	72.89
MW-9	12/30/03	20.0-30.0	103.77	22.74	22.75	81.02
	04/19/05		92.3		23.54	68.76
MW-10	12/30/03	18.0-28.0	97.38		17.44	79.94
	02/08/05		85.98	17.85	18.98	67.00
	04/19/05		85.98	17.73	18.52	67.46

Monitoring Well	Date	Depth of Screen Below Ground Surface	TOC Elevation	Depth to Product from TOC	Depth to Water from TOC	Groundwater Elevation
MW-11	12/30/03		99.81		19.57	80.24
	02/08/05		88.46		20.36	68.10
	04/19/05		88.46		20.17	68.29
MW-12	12/30/03		84.16		4.75	79.41
	02/08/05		72.8		5.57	67.23
	04/19/05		72.8		5.25	67.55
MW-13	12/30/03		92.24		12.18	80.06
	02/08/05		80.44		12.17	68.27
	04/21/05		80.44		12.05	68.39
MW-15	12/30/03	15.0-25.0	97.9	17.56	17.58	80.29
	02/08/05		86.44	18.31	18.34	68.10
	04/21/05		86.44		18.14	68.30
MW-16	12/30/03	15.0-25.0	99.57		18.95	80.62
	02/08/05		88.19		19.87	68.32
	04/21/05		88.19		19.60	68.59
MW-17	12/30/03	20.0-30.0	103.95		23.74	80.21
	02/08/05		92.45		24.42	68.03
	04/21/05		92.45		24.20	68.25
MW-18	12/30/03	20.0-30.0	106.29	25.48	25.72	80.57
	02/08/05		94.81	26.45	26.76	68.05
	04/19/05		94.81	26.26	26.28	68.53
MW-19	12/30/03	20.0-30.0	105.45		24.59	80.86
	02/08/05		93.96		25.52	68.44
	04/21/05		93.96		25.00	68.96
MW-20	12/30/03	15.0-25.0	106.04		23.05	82.99
	02/08/05		94.12		24.00	70.12
	04/21/05		94.12		23.51	70.61
MW-21	12/30/03	15.0-25.0	103.87		21.03	82.84
	04/21/05		Destroyed			Destroyed
MW-22	12/30/03	20.0-30.0	105.61		22.36	83.25
	02/08/05		94.25	23.25	23.28	70.97
	04/21/05		94.25		22.78	71.47
MW-23	12/30/03	20.0-30.0	105.52		24.82	80.70
	02/08/05		94.43		25.80	68.63
	04/21/05		94.43		25.32	69.11

Monitoring Well	Date	Depth of Screen Below Ground Surface	TOC Elevation	Depth to Product from TOC	Depth to Water from TOC	Groundwater Elevation
MW-24	12/30/03	20.0-30.0	105.34		23.88	81.46
	02/08/05		93.94		24.80	69.14
	04/21/05		93.94		24.35	69.59
MW-25	12/30/03		103.68		21.23	82.45
	02/08/05		93.09		22.35	70.74
	04/21/05		93.09		21.89	71.20
MW-26	12/30/03		106.56		20.50	86.06
	04/21/05		95.96		23.36	72.60
MW-27	04/20/05	15.0-30.0	91.4		17.02	74.38
MW-28	04/20/05	15.0-30.0	91.46		18.87	72.59
MW-29	04/20/05	15.0-30.0	91.09		19.06	72.03
MW-30	04/20/05	15.0-30.0	92.77		22.86	69.91
MW-31	04/20/05	20.0-35.0	95.2		26.51	68.69
MW-32	04/20/05	15.0-30.0	92.87		23.66	69.21
MW-33	04/20/05	20.0-35.0	93.84		25.27	68.57
MW-34	04/20/05	20.0-35.0	94.77		26.11	68.66
MW-35	04/20/05	20.0-35.0	93.71		25.14	68.57
MW-36	04/20/05	20.0-35.0	93.89		24.96	68.93
MW-37	04/20/05	20.0-35.0	93.78		25.25	68.53
MW-38	04/20/05	20.0-35.0	95.53		26.78	68.75
MW-39	04/20/05	20.0-35.0	96.19		27.65	68.54
MW-40	04/20/05	20.0-35.0	95.69		27.31	68.38
MW-41	04/20/05	20.0-35.0	94.85		26.68	68.17
MW-42	04/20/05	20.0-35.0	95.81		27.53	68.28
MW-43	04/21/05	20.0-40.0	95.15		26.28	68.87
MW-44	04/21/05	16.0-31.0	94.57		25.03	69.54
MW-45	04/21/05	15.0-30.0	92.51		23.39	69.12
MW-46	04/21/05	20.0-35.0	94.5		25.71	68.79
MW-47	04/21/05	20.0-35.0	92.44		23.61	68.83
MW-48	04/21/05	15.0-30.0	89.95		20.75	69.20
MW-49	04/21/05	15.0-30.0	88.18		18.39	69.79
MW-50	04/21/05	15.0-30.0	84.09		15.15	68.94

Monitoring Well	Date	Depth of Screen Below Ground Surface	TOC Elevation	Depth to Product from TOC	Depth to Water from TOC	Groundwater Elevation
MW-51	04/21/05	20.0-35.0	93.91		24.66	69.25
MW-52	04/21/05	15.0-30.0	90.21		21.88	68.33
MW-53	04/21/05	5.0-20.0	79.6		11.55	68.05
MW-54	04/21/05	5.0-20.0	77.58		12.31	65.27
MW-55	04/21/05	4.0-14.0	71.22		4.88	66.34
MW-56	04/21/05	5.0-20.0	76.39		8.90	67.49
MW-57	04/21/05	4.0-14.0	67.2		1.41	65.79
MW-58	04/21/05	4.0-19.0	76.37		10.65	65.72
MW-59	04/21/05	2.0-17.0	68.02		4.64	63.38
MW-60	04/21/05	4.0-14.0	67.94		5.29	62.65
MW-5aR	04/20/05	18.0-28.0	94.18		22.68	71.50
PW-1R	04/20/05	45.0 - 50.0	93.75		25.16	68.59
RW-1R	04/20/05	9.0-29.0	93.66		24.69	68.97
DW-1	12/30/03	65.0 - 70.0	105.43		45.44	59.99
	04/21/05		94.66		45.38	49.28
DW-2	12/30/03	70.0 - 75.0	104.82		44.67	60.15
	04/21/05		94.02		44.55	49.47
DW-3	12/30/03	47.0 - 52.0			24.54	
	02/08/05		93.75		24.95	68.80
	04/21/05		93.75		25.27	68.48
DW-4	04/21/05	105.0 - 110.0	93.79		42.68	51.11
DW-5	04/21/05	65.0 - 70.0	93.74		43.77	49.97
DW-6	04/21/05	65.0 - 70.0	95.9		46.38	49.52
DW-7	04/21/05	50.0 - 55.0	72.79		24.71	48.08
DW-8	04/21/05	50.0 - 55.0	68.63		21.21	47.42
DW-9	05/17/05	60.0 - 65.0	76.47		28.78	47.69
MW-61	05/17/05	20.0 - 35.0	91.00		21.25	69.75
MW-62	05/17/05	20.0 - 35.0	94.05		24.99	69.06
MW-63	05/17/05	20.0 - 35.0	94.65		26.41	68.24
MW-64	05/17/05	20.0 - 35.0	94.36		26.74	67.62
MW-65	05/17/05	20.0 - 35.0	94.04		26.46	67.58
MW-66	05/17/05	20.0 - 35.0	95.25		27.50	67.75
MW-67	05/17/05	20.0 - 35.0	96.10		27.72	68.38
MW-68	05/18/05	20.0 - 35.0	94.02		26.46	67.56
MW-69	05/18/05	20.0 - 35.0	94.36		26.85	67.51
MW-70	05/18/05	20.0 - 35.0	95.49		27.30	68.19

1) All TOC elevations relative to an arbitrary assigned datum of 93.97 feet onsite.

2) Corrected groundwater elevation = TOC - (measured water level - (0.78 x product thickness))

3) Screening depths are unknown for wells MW-11,MW-12,MW-13,MW-25,MW-26.

4) Wells MW-61 through MW-70 and DW-9 were tied into original survey by Consultech.

Table 2
PID Field Readings
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777

Sample	Date	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64	Water Sample PID
SB-1	02/08/05	0.0	0.0	0.0	0.0	13.6	436											436
SB-2	02/08/05	0.0	0.0	1.4	2.0	45.6	370											370
SB-3	02/08/05	0.0	0.8	1.3	3	10.6	17.1											17.1
SB-4	02/08/05	0.0	0.0	0.0	0.0	0.0	0.0	0.0										0.0
SB-5	02/08/05	0.0	0.0	0.0	4.5	6.8	2.3											2.3
SB-6	02/08/05	0.0	0.0	0.0	0.0	0.0	0.0											0.0
SB-7	02/08/05	1.8	2.4	5.0	26	126	211											211
SB-8	02/09/05	1.2	2.7	6.0	19.2	26.9	32.4	40.1										32.4
SB-9	02/09/05	0.5	3.1	6.2	12.1	12.4	26.9											26.9
SB-10	02/09/05	0.2	0.3	0.9	5.1	6.0	8.8											8.8
SB-11	02/09/05	1.3	2.1	2.9	62.6	222	232											232
SB-12	02/09/05	2.5	5.1	5.7	57.5	39.4	19.4											19.4
SB-13	02/09/05	0.3	0.6	1.2	1.8	9.7	13.5											13.5
SB-14	02/09/05	1.3	2.5	5.3	11.2	22.1	46	0.0										45.5
SB-15	02/10/05	0.5	3.2	5.2	8.0	9.2	21.3											21.3
SB-16	02/10/05	1.4	2.4	2.7	4.6	3.0	5.1	129.0										11.9
SB-17	02/10/05	0.0	0.0	1.2	1.0	1.2	2.3	0.0										2.0
SB-18	02/10/05	0.0	0.8	2.4	2.4	2.5	6.0	152										152
SB-19	02/10/05	0.0	0.0	10.8	53.4	10.2	60.2	7.2										60.2
SB-20	02/10/05	0.0	0.0	6.4	20.4	35.1	40.3	2.3										19.4
SB-21	02/10/05	0.0	1.2	1.6	8.3	18.6	40.2	63.4										63.4
SB-22	02/11/05	0.0	0.0	1.2	4.9	10.3	31.2	90.2										90.2
SB-23	02/11/05	3.4	12.3	85.2	6.2	275	353	196										196
SB-24	02/11/05	1.2	4.9	6.4	10.3	18.6	35.4	818										818
SB-25	02/11/05	0.0	1.1	8.3	22.7	387	402											402
SB-26	02/11/05	1.3	15.2	109	115	232	173	60.1										60.1
SB-27	02/15/05	0.0	0.0	0.9	12.5	53.9	102	303										303
SB-28	02/15/05	0.0	0.0	3.3	31.9	41.2	92.1	397										397
SB-29	02/15/05	0.0	0.0	1.2	12.1	34.6	76.2	356										356
SB-30	02/15/05	0.0	0.0	5.6	25.9	31.4	77.7	418										75
SB-31	02/15/05	0.0	1.8	3.2	10.1	50.0	18.8											12.8
SB-32	02/15/05	0.0	0.0	0.0	0.0	4.4	14.8											10.8
SB-33	02/15/05	0.0	0.0	21.2	81.9	542	28.7											127
SB-34	02/15/05	0.0	0.0	0.0	43.5	40.4												245
SB-35	02/16/05	0.0	0.0	0.0	21.6	122												122
SB-36	02/16/05	0.0	0.0	47.9	58.0	1.2												1.2
SB-37	02/16/05	0.0	0.0	3.4	14.2	6.1												6.1
SB-38	02/16/05	0.0	0.0	0.0														0.0
SB-39	02/16/05	0.0	0.0	0.0	0.0	0.0	6.2	0.0										6.2
SB-40	02/16/05	0.0	0.0	0.0	0.0	0.0	0.0											0.0
SB-41	02/16/05	0.0	0.0	0.0	0.0	13.4	2.8											10.4
SB-42	02/16/05	0.0	0.0	0.0	1.2	20.6	80.4	303										303
SB-43	02/16/05	0.0	0.0	0.0	6.3	91.4	80.4	274										274
SB-44	02/16/05	0.0	0.0	0.0	1.4	6.3	21	101										54.2
SB-45	02/16/05	0.0	0.0	0.0	3.9	6.2	95.1											95.1
SB-46	02/17/05	0.0	0.0	0.0	0.0	6.2	7.4	378										378
SB-47	02/17/05	0.0	0.0	0.0	10.1	44.7	13.2	630										23.6

Sample	Date	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64	Water Sample PID
SB-48	02/17/05	0.0	0.0	0.0	0.0	2.7	6.3	27.9										4.7
SB-49	02/17/05	0.0	0.0	0.0	0.0	0.0	0.0	4.0										4.0
SB-50	02/17/05	0.0	0.0	0.0	0.0	0.0	0.0											0.0
SB-51	02/17/05	0.0	0.0	0.0	0.0	0.0	0.0											0.0
SB-52	02/17/05	0.0	4.6	94.7	60.7	12.3												12.3
SB-53	02/17/05	0.0	0.0	0.0	0.0	0.0												0.0
SB-54	02/17/05	0.0	0.0	0.0	0.0	0.0	0.0											0.0
SB-55	02/17/05	0.0	0.0	0.0	0.0	0.0	1.2	2.3										1.5
SB-56	02/22/05	0.0	0.0	0.0	0.0	1.2	3.4	5.3										4.5
SB-57	02/22/05	0.0	0.0	10.2	12.5	22.5	29.2	914										914
SB-58	02/22/05	0.0	0.0	0.0	3.2	5.6	7.9	12.7										12.7
SB-59	02/22/05	0.0	0.0	0.0	1.4	4.6	7.2	10.1										10.1
SB-60	02/22/05	0.0	0.0	0.0	0.0	1.1	1.2	2.3										2.3
SB-61	02/22/05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0									0.0
SB-62	02/22/05	0.0	0.0	0.0	0.0	5.1	6.8	37.9										37.9
SB-63	02/22/05	0.0	0.0	0.0	0.0	0.0	0.0											0.0
SB-64	02/23/04	0.0	1.5	8.1	10.8	15.6	41.4	1015										1841
SB-65	02/23/04	0.0	0.0	1.3	3.4	8.4	18.8	60.7										83.1
SB-66	02/23/04	0.0	0.0	0.0	1.2	2.5												2.5
SB-67	02/23/04	4.1	6.2	14.5														6.2
SB-68	02/23/04	4.0	4.4	13.9														6.0
SB-69	02/23/04	0.8	5.0	3.2														3.2
SB-70	02/23/04	3.5	5.9	13.7														13.7
SB-71	02/23/04	1.2	0.0	13.7														13.7
SB-72	02/23/04	0.0	0.0	0.0	0.0	5.6	12.4	104										104
SB-73	02/23/04	0.0	0.0	0.0	1.2	4.2	6.4	6.5										6.5
SB-74	02/23/04	0.0	0.0	0.0	0.0	1.2	5.2	36.8										36.8
SB-75	02/23/04	0.0	0.0	0.0	0.0	0.0	0.5	3.2										1.4
SB-76	02/23/04	0.0	0.0	0.0	0.0	0.0	6.2	7.4										7.4
SB-77	02/23/04	0.0	0.0	2.7	6.3	12.0	25.1	105										105
SB-78	02/23/04	0.0	0.0	0.0	4.5	7.9	62.3	205										184
SB-79	02/24/05	0.0	0.0	0.0	0.0	0.0	0.0	0.0										0.0
WS-1	02/24/05																	31 ft
WS-2	02/24/05																	26 ft
WS-3	02/24/05																	24 ft
WS-4	02/24/05																	14 ft
WS-5	02/24/05																	14 ft
WS-6	02/24/05																	24 ft
WS-7	02/24/05																	28 ft
WS-8	02/24/05																	28 ft
WS-9	02/24/05																	28 ft
WS-10	02/24/05																	14 ft dry
WS-10a	02/24/05																	16 ft
DSB-1	02/24/05	4.3	6.5	8.6	12.4	20.1	60.7	387	1923	1975	1342	1219	987	875	912	443	195	

WS borings are direct-push groundwater samples only

Table 3
BTEX and PNA Analytical Results (mg/kg)
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene
RBSL		*0.007*	*1.45*	*1.15*	*14.5*	*0.036*
MW-57	03/21/05	**0.120**	0.064	0.011	0.038	<0.004
MW-58	03/22/05	**0.481**	0.008	0.054	0.023	0.032
MW-56	03/21/05	<0.001	<0.001	<0.001	<0.001	<0.004
MW-54	03/22/05	**0.015**	<0.002	<0.002	<0.002	<0.006
MW-53	03/22/05	**0.017**	<0.002	<0.002	<0.002	<0.005
MW-52	03/23/05	<0.002	<0.002	<0.002	<0.002	<0.004
MW-45	03/24/05	<0.002	<0.002	<0.002	<0.002	<0.004
MW-43	03/24/05	<0.002	<0.002	<0.002	<0.002	<0.004
MW-47	03/31/05	<0.002	<0.002	<0.002	<0.002	<0.004
MW-49	03/31/05	<0.002	<0.002	<0.002	<0.002	<0.004
MW-28	03/31/05	<0.002	<0.002	<0.002	<0.002	<0.004
MW-33	03/30/05	**0.818**	**2.400**	0.292	1.450	**<0.192**
MW-32	03/30/05	**0.017**	0.331	0.553	1.920	**0.876**
MW-35	03/30/05	**0.032**	0.081	0.058	0.144	0.015
MW-36	03/30/05	**0.020**	0.053	0.025	0.100	**0.112**
MW-34	04/01/05	**<0.074**	0.466	0.174	0.954	**<0.185**
MW-37	04/01/05	**0.100**	0.066	0.072	0.111	0.035
MW-38	04/04/05	<0.002	<0.002	<0.002	<0.002	<0.005
MW-39	04/04/05	<0.002	0.006	<0.002	0.005	0.010
MW-41	04/04/05	**0.121**	0.660	0.172	0.693	**0.073**

Table 4
Groundwater Field Parameter Measurements
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777

Well Number	Date	Dissolved oxygen mg/l	pH	Temperature Degrees Celcius	Conductivity us/cm
MW-1	11/18/03	NA	5.3	23.5	101
	04/19/05	3.1	5.4	18.1	183
MW-2	11/18/03	NA	5.2	23.8	95
	04/19/05	3.2	4.8	19.0	125
MW-3	10/27/03	NA	7.1	22.6	134
	04/19/05	1.1	4.9	17.1	845
MW-4	11/18/03	NA	5.6	24.7	114
	04/19/05	3.6	6.0	19.1	246
MW-5	10/27/03	NA	7.9	21.8	184
	04/19/05	2.9	6.0	19.8	84
MW-6	11/18/03	NA	5.1	24.5	124
	04/19/05	2.0	5.4	20.0	762
MW-7	11/18/03	NA	4.9	24.3	105
	04/19/05	3.4	5.8	20.1	146
MW-8	11/18/03	NA	4.9	24.6	85
	04/19/05	4.0	7.0	19.5	113
MW-9	11/18/03	LPH	LPH	LPH	LPH
	04/19/05	1.8	5.2	20.2	794
MW-10	11/18/03	LPH	LPH	LPH	LPH
	04/19/05	1.3	5.1	20.1	1243
MW-11	11/18/03	NA	4.8	22.8	65
	04/19/05	2.4	7.2	20.8	346
MW-12	11/18/03	NA	5.5	25.7	229
	04/21/05	3.2	6.4	19.4	107
MW-13	11/18/03	NA	4.6	23.8	192
	04/21/05	3.6	6.0	18.3	336

Well Number	Date	Dissolved oxygen mg/l	pH	Temperature Degrees Celcius	Conductivity us/cm
MW-15	11/18/03	LPH	LPH	LPH	LPH
	04/19/05	1.4	5.4	17.9	813
MW-16	11/18/03	NA	6.9	23.1	353
	04/21/05	1.8	5.1	18.6	722
MW-17	11/18/03	LPH	LPH	LPH	LPH
	04/21/05	1.4	4.9	19.2	694
MW-18	10/29/03	LPH	LPH	LPH	LPH
	04/20/05	1.0	5.2	19.6	988
MW-19	10/29/03	LPH	LPH	LPH	LPH
	04/20/05	1.2	5.1	19.6	617
MW-20	10/29/03	NA	4.7	21.1	568
	04/20/05	3.6	6.3	18.4	139
MW-21	10/29/03	NA	5.5	20.2	580
	04/20/05	Destroyed	Destroyed	Destroyed	Destroyed
MW-22	11/25/03	NA	5.5	23.1	255
	04/20/05	4.1	6.8	18.3	97
MW-23	11/25/03	NA	5.5	23.1	97
	04/20/05	2.9	6.5	19.6	86
MW-24	11/25/03	NA	4.7	24.3	102
	04/20/05	3.2	6.4	20.1	72
MW-25	10/29/03	NA	6.1	19.6	589
	04/20/05	2.4	6.0	18.4	804
MW-26	11/25/03	NA	4.5	24.1	89
	04/21/05	2.4	6.2	19.2	83
MW-5a	11/25/03	NA	6.7	22.9	95
MW-5aR	04/20/05	3.4	5.2	18.3	143
PW-1	10/29/03	NA	5.9	21.2	571
PW-1R	04/20/05	3.2	5.3	19.2	119
RW-1	10/29/03	LPH	LPH	LPH	LPH
RW-1R	04/20/05	2.0	6.0	18.1	72
MW-27	04/20/05	3.1	6.4	18.4	94
MW-28	04/20/05	3.6	7	19.1	105
MW-29	04/20/05	3.7	7.4	18.4	83
MW-30	04/20/05	3.1	6.3	17.8	41

Well Number	Date	Dissolved oxygen mg/l	pH	Temperature Degrees Celcius	Conductivity us/cm
MW-31	04/20/05	3.0	6.4	16.1	125
MW-32	04/21/05	2.8	6.9	18.4	215
MW-33	04/20/05	2.9	6.4	19.2	106
MW-34	04/20/05	3.1	7.1	18.3	113
MW-35	04/20/05	3.4	7.3	19.4	162
MW-36	04/20/05	3.8	6.1	20.1	168
MW-37	04/20/05	3.9	6	18.1	149
MW-38	04/20/05	2.4	6.7	20.0	131
MW-39	04/20/05	3.1	6.0	18.3	189
MW-40	04/20/05	3.0	6.7	17.9	174
MW-41	04/20/05	3.3	6.3	19.4	93
MW-42	04/20/05	3.0	6.3	19.3	62
MW-43	04/21/05	2.6	6.1	19.7	110
MW-44	04/21/05	2.8	6.7	18.6	234
MW-45	04/21/05	2.4	6.2	19.4	185
MW-46	04/21/05	3.0	6.3	18.3	106
MW-47	04/21/05	3.2	6.9	18.1	115
MW-48	04/21/05	2.5	7.0	18.5	245
MW-49	04/21/05	3.0	6.1	19.8	210
MW-50	04/21/05	3.1	6.4	18.7	116
MW-51	04/21/05	3.1	6.7	20.1	84
MW-52	04/21/05	3.0	6.5	18.8	135
MW-53	04/21/05	3.4	6.5	18.9	72
MW-54	04/21/05	2.9	6.7	18.1	64
MW-55	04/21/05	2.8	6.4	18.9	74
MW-56	04/21/05	3.4	6.3	19.2	81
MW-57	04/21/05	2.0	6.2	18.4	76
MW-58	04/21/05	2.1	6.1	19.1	84
MW-59	04/21/05	3.6	6.3	18.3	115
MW-60	04/21/05	3.6	6.4	17.2	96

Well Number	Date	Dissolved oxygen mg/l	pH	Temperature Degrees Celcius	Conductivity us/cm
DW-1	10/27/03	NA	10.9	21.0	1150
	04/20/05	3.1	7.8	18.3	484
DW-2	10/27/03	NA	9.7	20.7	147
	04/20/05	3.0	7.9	16.9	42
DW-3	12/30/03	NA	10.8	22.1	1232
	04/20/05	1.4	7.7	18.1	796
DW-4	04/21/05	2.9	6.3	18.6	142
DW-5	04/21/05	3.1	6.3	18.7	64
DW-6	04/20/05	3.6	6.4	19.0	52
DW-7	04/21/05	2.9	6	19.3	144
DW-8	04/21/05	4.0	5.7	19.1	131
Creek	11/18/03	NA	NA	NA	NA
SW-1	04/21/05	1.9	5.1	22.4	319
DW-9	05/17/05	5.0	6.6	22.2	68
MW-61	05/17/05	4.0	5.3	24.6	142
MW-62	05/17/05	3.9	4.8	24.2	398
MW-63	05/17/05	4.1	5.1	23.5	169
MW-64	05/17/05	2.9	5.6	23.9	143
MW-65	05/17/05	2.0	5.4	24.8	217
MW-66	05/17/05	3.2	5.9	24.2	29
MW-67	05/17/05	4.1	5.3	25.0	68
MW-68	05/18/05	3.9	6.2	25.4	112
MW-69	05/18/05	2.4	5.7	27.1	85
MW-70	05/18/05	3.5	5.9	26.4	69

Note: 1) The temperature was measured in degrees Celcius
2) NA - Not available

Table 5
BTEX and PNA Groundwater Analytical Results (ug/l)
Handy Pantry #65 & Clouds Chevron
Columbia, SC - USTs #07584 & #07777

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Napthalenes	1,2 DCA
RBSL		*5*	*1,000*	*700*	*10,000*	*40*	*25*	*NA*
MW-1	11/18/03	<1	1.3	<1	1.6	<1	<5	NS
	04/19/05	<1	<1	<1	<1	<1	<5	<1
MW-2	11/18/03	**17,900**	**34,600**	**3,630**	**17,000**	**6,150**	**<250**	NS
	04/19/05	**4,230**	**9,910**	**1,250**	8,540	**4,910**	**1,410**	<1
MW-3	10/27/03	**11,300**	**72,500**	**3,980**	**20,800**	**20,200**	**870**	NS
	04/19/05	**5,620**	**14,200**	**2,940**	7,530	**10,900**	**910**	<5
MW-4	11/18/03	<1	1.8	<1	2.8	1.2	<5	NS
	04/19/05	<1	<1	<1	<1	2.6	<5	<1
MW-5	10/27/03	**779**	968	336	2,020	**89.5**	**1240**	NS
	04/19/05	**1,140**	**4,790**	**1,940**	**10,400**	13	**570**	<1
MW-6	11/18/03	**13.2**	3.8	<1	66.5	<1	<5	NS
	04/19/05	**16.1**	1.5	<1	119.0	<1	7.1	<1
MW-7	11/18/03	<1	<1	<1	<1	<1	<5	NS
	04/19/05	<1	<1	<1	<1	<1	<5	<1
MW-8	11/18/03	<1	<1	<1	<1	<1	<5	NS
	04/19/05	<1	<1	<1	<1	<1	<5	<1
MW-9	11/18/03	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	NS
	04/19/05	**2,280**	**9,010**	**773**	**5,230**	34.3	**900**	<1
MW-10	11/18/03	**.10' LPH**	**.10' LPH**	**.10' LPH**	**.10' LPH**	**.10' LPH**	**.10' LPH**	NS
	04/19/05	**6,200**	**23,800**	**3,320**	**33,200**	**890**	**1,440**	422
MW-11	11/18/03	**28.4**	46.4	1.2	9.3	<1	<5	NS
	04/19/05	**34.5**	20.0	2.0	8.0	<1	<5	<1
MW-12	11/18/03	**5,400**	125	489	203	**682**	**<50**	NS
	04/21/05	**8,550**	**4,000**	**1,460**	2,640	**69**	**314**	<1
MW-13	11/18/03	**120**	<1	17	43	8	<5	NS
	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-15	11/18/03	**.03' LPH**	**.03' LPH**	**.03' LPH**	**.03' LPH**	**.03' LPH**	**.03' LPH**	NS
	04/19/05	**565**	**1,950**	617	3,760	5.6	**859**	<1
MW-16	11/18/03	**436**	300	66	244	<10	**<50**	NS
	04/21/05	<1	1.6	<1	7.7	<1	<5	<1
MW-17	11/18/03	**.65' LPH**	**.65' LPH**	**.65' LPH**	**.65' LPH**	**.65' LPH**	**.65' LPH**	NS
	04/21/05	**4,720**	**32,600**	**4,440**	**23,700**	2.2	**620**	<1
MW-18	10/29/03	**.13' LPH**	**.13' LPH**	**.13' LPH**	**.13' LPH**	**.13' LPH**	**.13' LPH**	NS
	04/20/05	**6,910**	**17,400**	**2,530**	**13,800**	**8,920**	**1,580**	<10
MW-19	10/29/03	**.02' LPH**	**.02' LPH**	**.02' LPH**	**.02' LPH**	**.02' LPH**	**.02' LPH**	NS
	04/20/05	**18,200**	**63,600**	**2,980**	**16,300**	**962**	**2,290**	<10

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Napthalenes	1,2 DCA
MW-20	10/29/03	**24,200**	**38,600**	**2,760**	**12,800**	**6,300**	**1,050**	NS
	04/20/05	**12,800**	**23,400**	**1,630**	**12,400**	**18000**	**1430**	<10
MW-21	10/29/03	**18.9**	240	537	3,830	<1	**116**	NS
	04/20/05	destroyed	destroyed	destroyed	destroyed	destroyed	destroyed	destroyed
MW-22	11/25/03	**30,000**	**48,200**	**6,550**	**31,900**	**1,560**	**3,380**	NS
	04/20/05	**800**	**3,640**	126	760	**1,800**	**148**	<20
MW-23	11/25/03	**43,000**	**85,500**	**4,140**	**85,000**	**5,800**	**1,140**	NS
	04/20/05	**1,770**	**1,250**	195	1,650	**1,390**	**140**	<10
MW-24	11/25/03	**35,000**	**37,600**	**2,760**	**12,300**	**7,750**	**595**	NS
	04/20/05	**1,340**	**1,520**	98	1,730	**610**	**66.5**	<5
MW-25	10/29/03	**10,300**	**37,400**	**3,300**	**17,600**	**80.0**	**1,080**	NS
	04/20/05	**6,900**	**41,800**	**7,800**	**45,600**	17.7	**3,180**	<1
MW-26	11/25/03	<1	<1	<1	<1	<1	<5	NS
	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-5a	10/27/03	**376**	960	510	2,560	<1	**89.8**	NS
MW-5aR	04/20/05	**2,250**	**3,100**	**1,500**	7,740	**2,500**	**796**	<20
PW-1	10/29/03	**3,230**	90	343	924	**1,850**	**290**	NS
PW-1R	04/20/05	**2,740**	**2,640**	**732**	2,460	**2,040**	**250**	<1
RW-1	10/29/03	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	**.01' LPH**	NS
RW-1R	04/20/05	**9,700**	**17,000**	**2,800**	7,150	**3,100**	**932**	<20
MW-27	04/20/05	<1	1	<1	<1	<1	<5	<1
MW-28	04/20/05	<1	<1	<1	<1	<1	<5	<1
MW-29	04/20/05	<1	<1	<1	<1	<1	<5	<1
MW-30	04/20/05	<1	<1	<1	<1	<1	<5	<1
MW-31	04/20/05	**227**	251	261	450	2.2	**82.9**	<1
MW-32	04/21/05	**264**	740	406	2,440	<5	**176**	6.5
MW-33	04/20/05	**3,860**	**7,820**	938	4,660	25.6	**164**	<1
MW-34	04/20/05	**2,020**	**9,180**	**1,840**	**10,300**	<1	**1,060**	<1
MW-35	04/20/05	**4,090**	**4,060**	296	1,590	**1,730**	**238**	<10
MW-36	04/20/05	**302**	621	165	427	3.7	**29.4**	<1
MW-37	04/20/05	**764**	**1,750**	**780**	1,870	<1	**158**	<1
MW-38	04/20/05	<1	<1	<1	<1	<1	<5	<1
MW-39	04/20/05	**3,680**	**23,200**	**3,050**	**16,800**	**66.0**	**2,120**	<20
MW-40	04/20/05	**1,940**	**7,660**	**3,880**	5,220	1.8	**1,140**	<1
MW-41	04/20/05	**869**	**8,580**	462	2,370	<1	**182**	<1
MW-42	04/20/05	**16.0**	**2,460**	546	2,980	<1	**124**	<1
MW-43	03/24/05	<1	<1	<1	<1	<1	<5	<1
MW-43	04/21/05	<1	1	<1	<1	<1	<5	<1
MW-44	03/24/05	<1	<1	<1	<1	<1	<5	<1
MW-44	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-45	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-46	04/21/05	<1	<1	<1	<1	<1	<5	<1

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Napthalenes	1,2 DCA
MW-47	04/21/05	**5.8**	<1	<1	7.5	<1	<5	<1
MW-48	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-49	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-50	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-51	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-52	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-53	04/21/05	1.3	<1	<1	<1	<1	<5	<1
MW-54	04/21/05	**139**	<1	<1	2.8	14.8	<5	<1
MW-55	04/21/05	**213**	<1	5.8	<1	**329**	16.9	18.6
MW-56	03/22/05	<1	<1	<1	<1	<1	<5	NS
	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-57	03/22/05	**2,500**	**1,900**	360	1,400	**970**	**<50**	NS
	04/21/05	**8,390**	**5,400**	**1,170**	**4,390**	**1,590**	**240**	<1
MW-58	04/21/05	**5,920**	162	380	159	**442**	**218**	<1
MW-59	03/22/05	<1	<1	<1	<1	<1	<5	NS
	04/21/05	<1	<1	<1	<1	<1	<5	<1
MW-60	04/21/05	1.0	<1	<1	<1	<1	<5	<1
DW-1	10/27/03	<1	4.1	1.7	9	<1	<5	NS
	04/20/05	<1	<1	<1	<1	<1	<5	<1
DW-2	10/27/03	2.0	1.6	<1	1.6	4.6	<5	NS
	04/20/05	3.1	6.7	1.1	5.8	4.8	**<5**	<1
DW-3	12/30/03	**7,160**	**5,320**	**1,130**	2,660	**2,260**	**256**	<1
	04/20/05	**6,350**	**4,600**	265	2,400	**5,350**	**86.7**	<1
DW-4	04/21/05	**74.0**	380	102	524	11.5	**48.0**	9.5
DW-5	04/21/05	2.8	6.4	1.4	1.8	<1	<5	1.9
DW-6	04/20/05	<1	3.2	<1	3.2	<1	<5	<1
DW-7	04/21/05	**87.0**	69.4	11.2	33.1	17.2	8.0	<1
DW-8	04/21/05	<1	<1	<1	<1	<1	<5	<1
Creek	11/18/03	<1	<1	<1	<1	1	<5	NS
SW-1	04/21/05	**200**	38.1	11.7	28.8	**143**	<5	4.7
ST-1	06/02/05	**390**	110	31.0	67.0	**140**	5.3	NS
DW-9	05/17/05	**6.8**	1.5	<1	<1	<1	<5	NS
MW-61	05/17/05	<1	<1	<1	<1	<1	<5	NS
MW-62	05/17/05	<1	<1	<1	<1	<1	<5	NS
MW-63	05/17/05	<1	<1	<1	<1	<1	<5	NS
MW-64	05/17/05	**2,460**	76.6	382	48.8	**444**	**151**	NS
MW-65	05/17/05	**2,860**	**2,610**	**1,760**	1,720	**43.7**	**745**	NS
MW-66	05/17/05	3.8	2.3	5.2	318	<1	**80.1**	NS
MW-67	05/17/05	<1	<1	<1	2.6	<1	<5	NS
MW-68	05/18/05	**6.6**	<1	<1	<1	<1	<5	NS
MW-69	05/18/05	<1	<1	<1	<1	<1	<5	NS
MW-70	05/18/05	<1	<1	<1	<1	<1	<5	NS

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Napthalenes	1,2 DCA
WS-1 31'	02/23/05	<1	1.4	1.3	6.7	<1	<5	NS
WS-2 26'	02/24/05	<1	<1	<1	<1	<1	<5	NS
WS-3 24'	02/24/05	<1	<1	<1	<1	<1	<5	NS
WS-4 14'	02/24/05	<1	<1	<1	<1	<1	<5	NS
WS-5 14'	02/24/05	**972**	<1	16.3	<1	**516**	**39.2**	NS
WS-6 24'	02/24/05	<1	<1	<1	2.4	<1	<5	NS
WS-7 28'	02/24/05	<1	<1	<1	<1	<1	<5	NS
WS-8 28'	02/24/05	<1	<1	<1	<1	<1	<5	NS
WS-9 28'	02/24/05	<1	<1	<1	<1	<1	<5	NS
WS-10 16'	02/24/05	**4,300**	113	93	148	**506**	**142**	NS

Table 6

Groundwater Natural Attenuation, EDB, and Lead Results

Handy Pantry #65 & Clouds Chevron

Columbia, SC - USTs #07584 & #07777

Well Number	Date	EDB (ug/l)	Total 8-Oxygenates	Total Lead (mg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Dissolved Iron (mg/l)	Methane (mg/l)
RBSL		0.05	NA	0.015	NA	NA	N/A	N/A
MW-1	11/18/03	<0.02	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	101.8	<0.005	NM	NM	NM	NM
MW-2	11/18/03	**108**	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	14,463	**0.211**	NM	NM	NM	NM
MW-3	10/27/03	**66.1**	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	19,820	**1.050**	NM	NM	NM	NM
MW-4	11/18/03	**0.15**	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	<10	<0.005	NM	NM	NM	NM
MW-5	10/27/03	**1.62**	NM	NA	NA	NA	NA	NM
	04/19/05	**2.81**	1,478	**0.289**	NM	NM	NM	NM
MW-6	11/18/03	<0.02	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	533.5	0.006	NM	NM	NM	NM
MW-7	11/18/03	<0.02	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	<10	0.009	NM	NM	NM	NM
MW-8	11/18/03	<0.02	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	<10	<0.005	NM	NM	NM	NM
MW-9	11/18/03	NM	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	4,680.3	**0.029**	NM	NM	NM	NM
MW-10	11/18/03	NM	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	30,884	<0.005	NM	NM	NM	NM
MW-11	11/18/03	<0.02	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	1,742.5	<0.005	NM	NM	NM	NM
MW-12	11/18/03	0.04	NM	NA	NA	NA	NA	NM
	04/21/05	**0.10**	11,668.3	<0.005	NM	NM	NM	NM

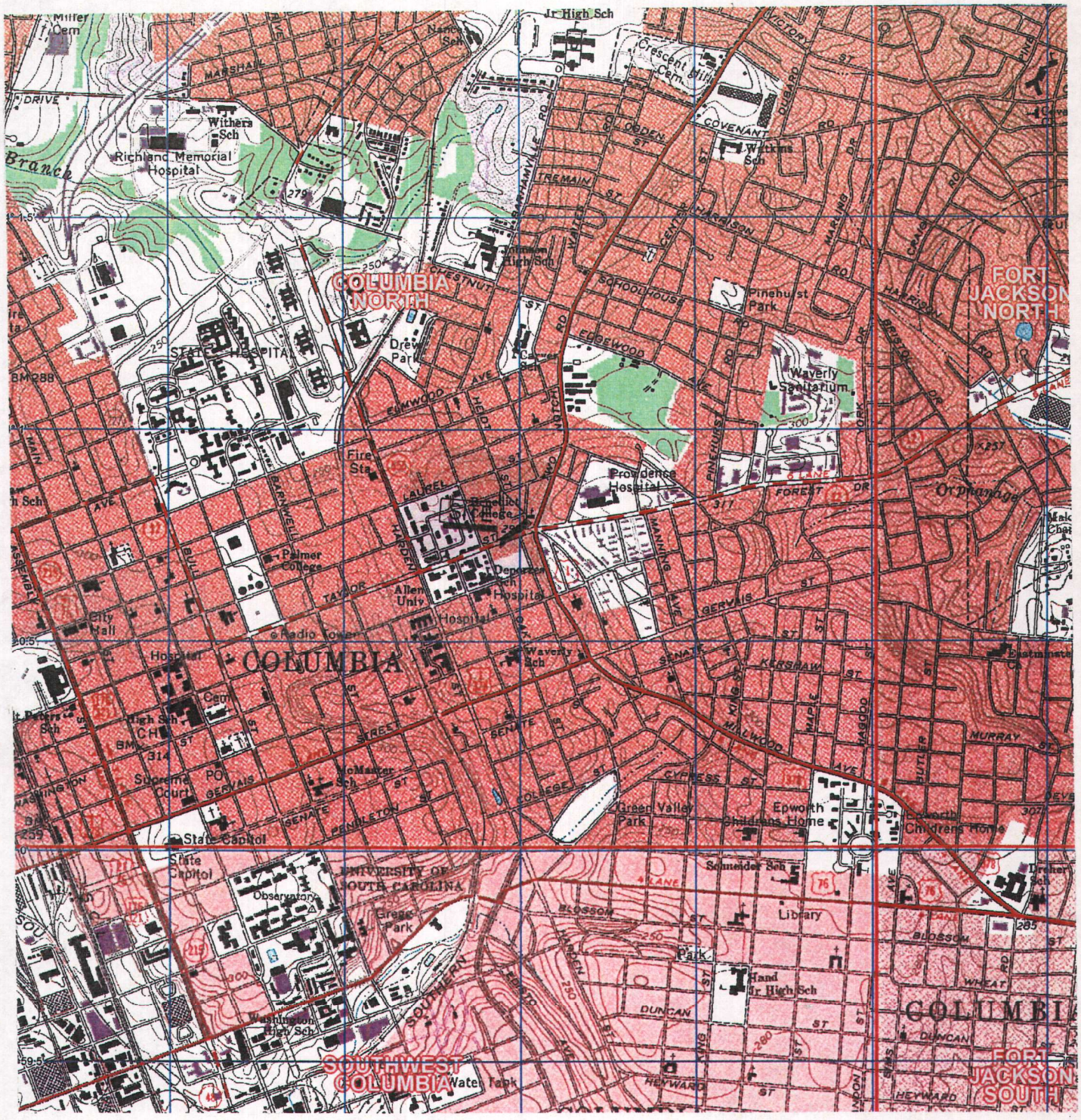
Well Number	Date	EDB (ug/l)	Total 8-Oxygenates	Total Lead (mg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Dissolved Iron (mg/l)	Methane (mg/l)
MW-13	11/18/03	<0.02	NM	NA	NA	NA	NA	NM
	04/21/05	<0.02	<10	<0.005	NM	NM	NM	NM
MW-15	11/18/03	NM	NM	NA	NA	NA	NA	NM
	04/19/05	<0.02	1,185.3	<0.005	NM	NM	NM	NM
MW-16	11/18/03	<0.02	NM	NA	NA	NA	NA	NM
	04/21/05	<0.02	187.7	<0.005	NM	NM	NM	NM
MW-17	11/18/03	NM	NM	NA	NA	NA	NA	NM
	04/21/05	<0.02	15,212.9	**0.048**	NM	NM	NM	NM
MW-18	10/29/03	NM	NM	NA	NA	NA	NA	NM
	04/20/05	**11.2**	37,669	**0.131**	NM	NM	NM	NM
MW-19	10/29/03	NM	NM	NA	NA	NA	NA	NM
	04/20/05	**24.1**	18,420	**0.085**	NM	NM	NM	NM
MW-20	10/29/03	<0.02	NM	NA	NA	NA	NA	NM
	04/20/05	<0.02	24,311	**0.222**	NM	NM	NM	NM
MW-21	10/29/03	<0.02	NM	NA	NA	NA	NA	NM
	04/20/05	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed
MW-22	11/25/03	<0.02	NM	NA	NA	NA	NA	NM
	04/20/05	0.04	10,104	<0.005	NM	NM	NM	NM
MW-23	11/25/03	**3.51**	NM	NA	NA	NA	NA	NM
	04/20/05	<0.02	6,384	**0.026**	NM	NM	NM	NM
MW-24	11/25/03	**168**	NM	NA	NA	NA	NA	NM
	04/20/05	**26.3**	6,549	**0.123**	NM	NM	NM	NM
MW-25	10/29/03	<0.02	NM	NA	NA	NA	NA	NM
	04/20/05	<0.02	154	**0.106**	NM	NM	NM	NM
MW-26	11/25/03	0.05	NM	NA	NA	NA	NA	NM
	04/21/05	<0.02	<10	<0.005	NM	NM	NM	NM

Well Number	Date	EDB (ug/l)	Total 8-Oxygenates	Total Lead (mg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Dissolved Iron (mg/l)	Methane (mg/l)
MW-5a	10/27/03	<0.02	NM	NA	NA	NA	NA	NM
MW-5aR	04/20/05	<0.02	11,498	**0.017**	NM	NM	NM	NM
PW-1	10/29/03	<0.02	NM	NA	NA	NA	NA	NM
PW-1R	04/20/05	<0.02	10,397	<0.005	NM	NM	NM	NM
RW-1	10/29/03	NM	NM	NA	NA	NA	NA	NM
RW-1R	04/20/05	**4.32**	24,210	**0.05**	NM	NM	NM	NM
MW-27	04/20/05	**11.1**	<10	<0.005	4.85	61.2	0.556	<0.026
MW-28	04/20/05	**5.17**	<10	<0.005	2.54	33	0.087	<0.026
MW-29	04/20/05	<0.02	<10	**0.086**	2.64	21.4	0.068	<0.026
MW-30	04/20/05	<0.02	<10	<0.005	1.49	48.8	0.102	<0.026
MW-31	04/20/05	<0.02	1,429	<0.005	<0.1	<1.0	12.8	<0.026
MW-32	04/21/05	<0.02	3,769	<0.005	0.12	21.9	0.923	<0.026
MW-33	04/20/05	<0.02	14,747.5	**0.027**	0.3	24.2	9.99	<0.026
MW-34	04/20/05	<0.02	813.1	<0.005	<0.1	5.85	1.69	<0.026
MW-35	04/20/05	0.03	15,432	**0.036**	4.62	2.01	5.3	<0.026
MW-36	04/20/05	**0.48**	2,326	<0.005	<0.1	20.5	4.63	<0.026
MW-37	04/20/05	**2.01**	2,536.6	<0.005	<0.1	1.88	8.11	<0.026
MW-38	04/20/05	<0.02	<10	<0.005	3.47	5.02	1.03	<0.026
MW-39	04/20/05	<0.02	4,100	**0.121**	<0.1	16.9	<0.05	<0.026
MW-40	04/20/05	<0.02	3,250.7	0.01	<0.1	1.28	0.493	<0.026
MW-41	04/20/05	**1.98**	150.9	<0.005	0.11	70	0.947	<0.026
MW-42	04/20/05	**1.15**	82.4	<0.005	0.54	7.05	0.476	<0.026
MW-43	04/21/05	<0.02	<10	<0.005	4.09	1.92	<0.05	<0.026
MW-44	04/21/05	<0.02	<10	<0.005	4.09	<1.0	0.212	<0.026
MW-45	04/21/05	<0.02	<10	0.012	6.14	13.6	<0.05	<0.026
MW-46	04/21/05	<0.02	<10	<0.005	5.64	<1.0	1.22	<0.026

Well Number	Date	EDB (ug/l)	Total 8-Oxygenates	Total Lead (mg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Dissolved Iron (mg/l)	Methane (mg/l)
MW-47	04/21/05	<0.02	4,133.2	<0.005	4.58	6.15	0.056	<0.026
MW-48	04/21/05	<0.02	49.9	0.007	8.85	126	<0.05	<0.026
MW-49	04/21/05	<0.02	<10	<0.005	18.4	61	<0.05	<0.026
MW-50	04/21/05	<0.02	<10	<0.005	0.67	51.5	<0.05	<0.026
MW-51	04/21/05	<0.02	<10	<0.005	4.52	1.7	<0.05	<0.026
MW-52	04/21/05	<0.02	<10	<0.005	4.74	4.14	0.821	<0.026
MW-53	04/21/05	<0.02	628.8	<0.005	1.48	14.6	3.01	<0.026
MW-54	04/21/05	<0.02	314.7	**0.06**	<0.1	24.6	<0.05	1.53
MW-55	04/21/05	<0.02	1,005.4	<0.005	<0.1	19.9	1.68	<0.026
MW-56	04/21/05	<0.02	<10	<0.005	4.25	36.4	<0.05	0.076
MW-57	04/21/05	0.05	1,259	<0.005	<0.1	5.21	2.22	2.62
MW-58	04/21/05	<0.02	10,668	**0.017**	<0.1	65	2.76	0.293
MW-59	04/21/05	<0.02	<10	**0.022**	1.37	21.5	<0.05	<0.026
MW-60	04/21/05	<0.02	<10	0.005	0.32	18.2	<0.05	0.033
DW-1	10/27/03	<0.02	NM	NA	NA	NA	NA	NM
	04/20/05	<0.02	17.4	<0.005	NM	NM	NM	NM
DW-2	10/27/03	<0.02	NM	NA	NA	NA	NA	NM
	04/20/05	<0.02	4.8	<0.005	NM	NM	NM	NM
DW-3	12/30/03	0.05	NM	NA	NA	NA	NA	NM
	04/20/05	**1.08**	15,300	<0.005	NM	NM	NM	NM
DW-4	04/21/05	**1.46**	159.5	<0.005	0.75	17.5	<0.05	<0.026
DW-5	04/21/05	<0.02	<10	<0.005	0.44	80.3	<0.05	<0.026
DW-6	04/20/05	**0.11**	<10	0.023	0.36	37.5	<0.05	<0.026
DW-7	04/21/05	<0.02	53.6	0.008	0.51	35	<0.05	<0.026
DW-8	04/21/05	<0.02	<10	**0.034**	0.72	87.1	<0.05	<0.026
Creek	11/18/03	NM	NM	NA	NA	NA	NA	NM
SW-1	04/21/05	<0.02	580.8	<0.005	NM	NM	NM	NM

Well Number	Date	EDB (ug/l)	Total 8-Oxygenates	Total Lead (mg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Dissolved Iron (mg/l)	Methane (mg/l)
DW-9	06/02/05	NM	NM	NM	NM	NM	NM	NM
MW-61	06/02/05	NM	NM	NM	NM	NM	NM	NM
MW-62	06/02/05	<0.02	NM	NM	NM	NM	NM	NM
MW-63	06/02/05	<0.02	NM	NM	NM	NM	NM	NM
MW-64	06/02/05	0.025	NM	NM	NM	NM	NM	NM
MW-65	06/02/05	**0.26**	NM	NM	0.35	NM	4.0	NM
MW-66	06/02/05	<0.02	NM	NM	5.1	NM	1.2	NM
MW-67	06/02/05	<0.02	NM	NM	NM	NM	NM	NM
MW-68	06/02/05	<0.02	NM	NM	NM	NM	NM	NM
MW-69	06/02/05	<0.02	NM	NM	3.4	NM	<0.50	NM
MW-70	06/02/05	<0.02	NM	NM	NM	NM	NM	NM

FIGURES



REFERENCE: COLUMBIA NORTH, SOUTH CAROLINA QUADRANGLE MAP, 7.5 MINUTE SERIES, U.S. GEOLOGIC SURVEY

SCALE 1 : 24,000

0 2,000 4,000

SCALE IN FEET



QUADRANGLE LOCATION

DRAWN: L.B.I.	DATE: 12/14/04
PROJECT: HANDY PANTRY #65,UST# 07584	
PROJECT: CLOUDS CHEVRON UST# 07777	
PROJECT No.: 04-12-008, 04-12-009	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 1
SITE LOCATION AND TOPOGRAPHIC MAP

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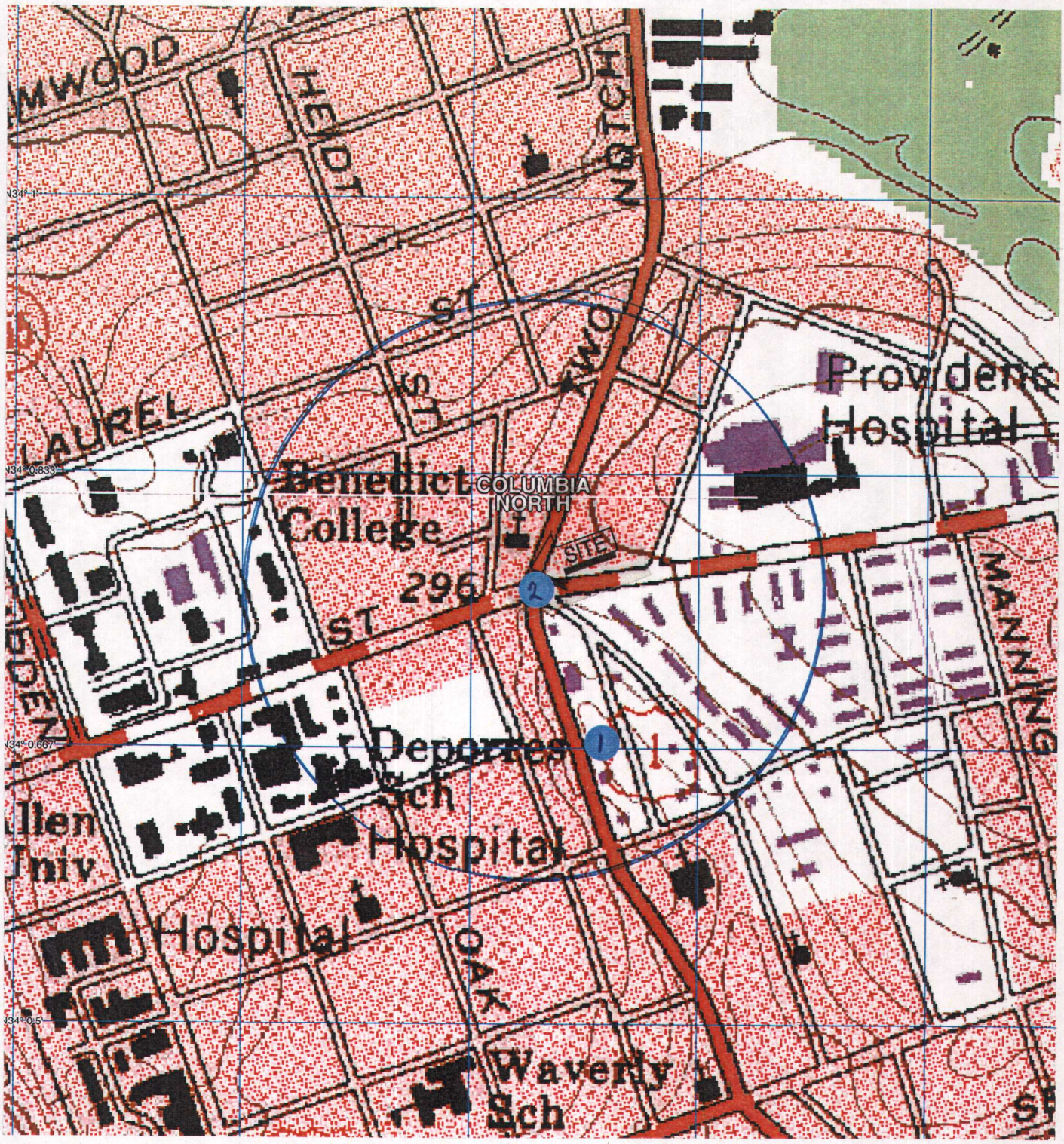

REFERENCE: COLUMBIA NORTH, SOUTH CAROLINA QUADRANGLE MAP, 7.5 MINUTE SERIES, U.S. GEOLOGIC SURVEY

SCALE 1" : 6,400"

0 500 1,000

SCALE IN FEET



QUADRANGLE LOCATION

DRAWN: C.M.E.	DATE: 05/23/05
PROJECT: HANDY PANTRY #65, UST#07584	
PROJECT: CLOUDS CHEVRON UST# 07777	
PROJECT No.: C-04-12-008, 04-12-009	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 3
SITE WITH POTENTIAL RECEPTORS AND TOPOGRAPHIC MAP

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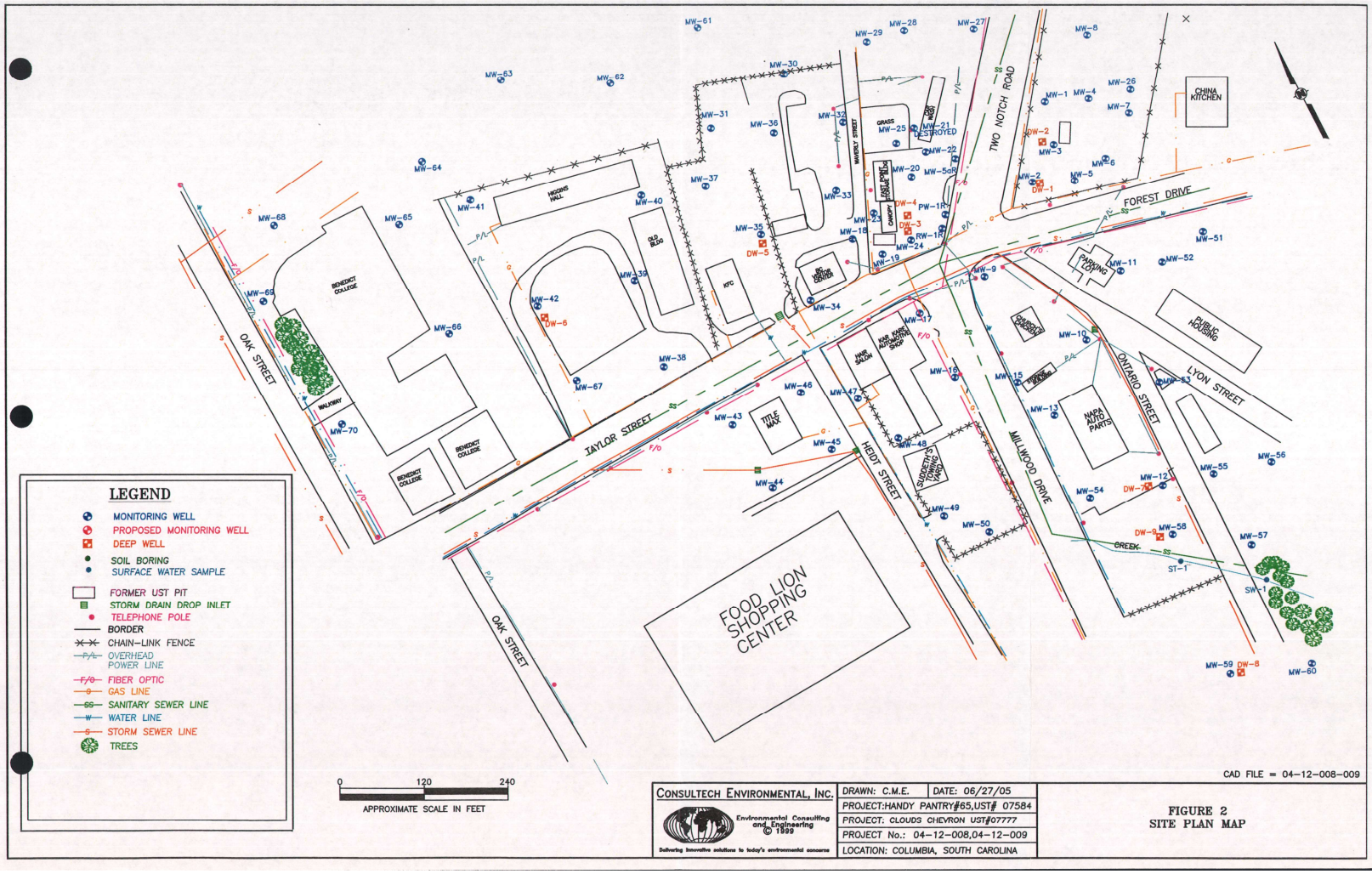

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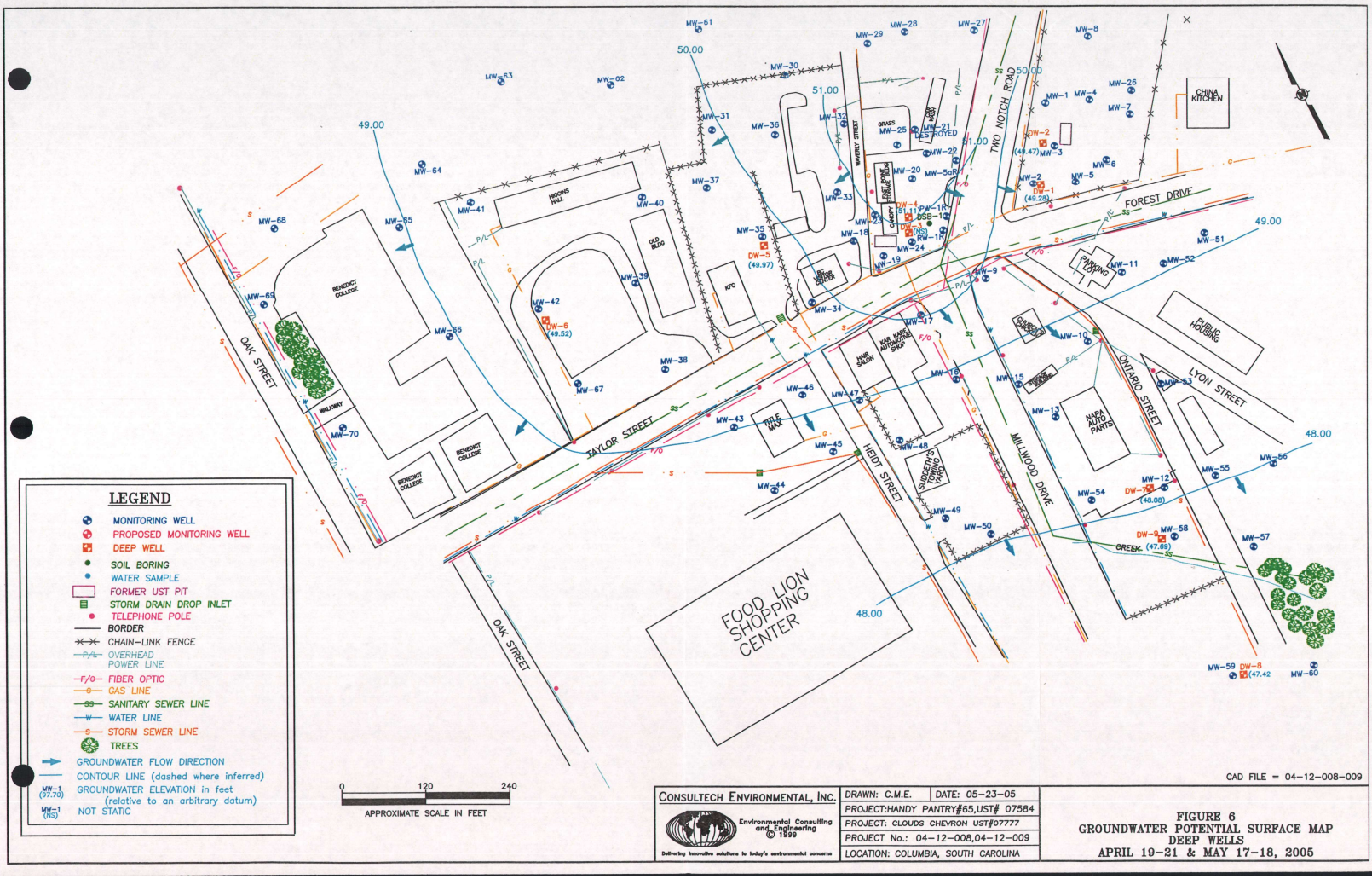
	PROJECT No.: 04-12-008,04-12-009	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 2
SITE PLAN MAP



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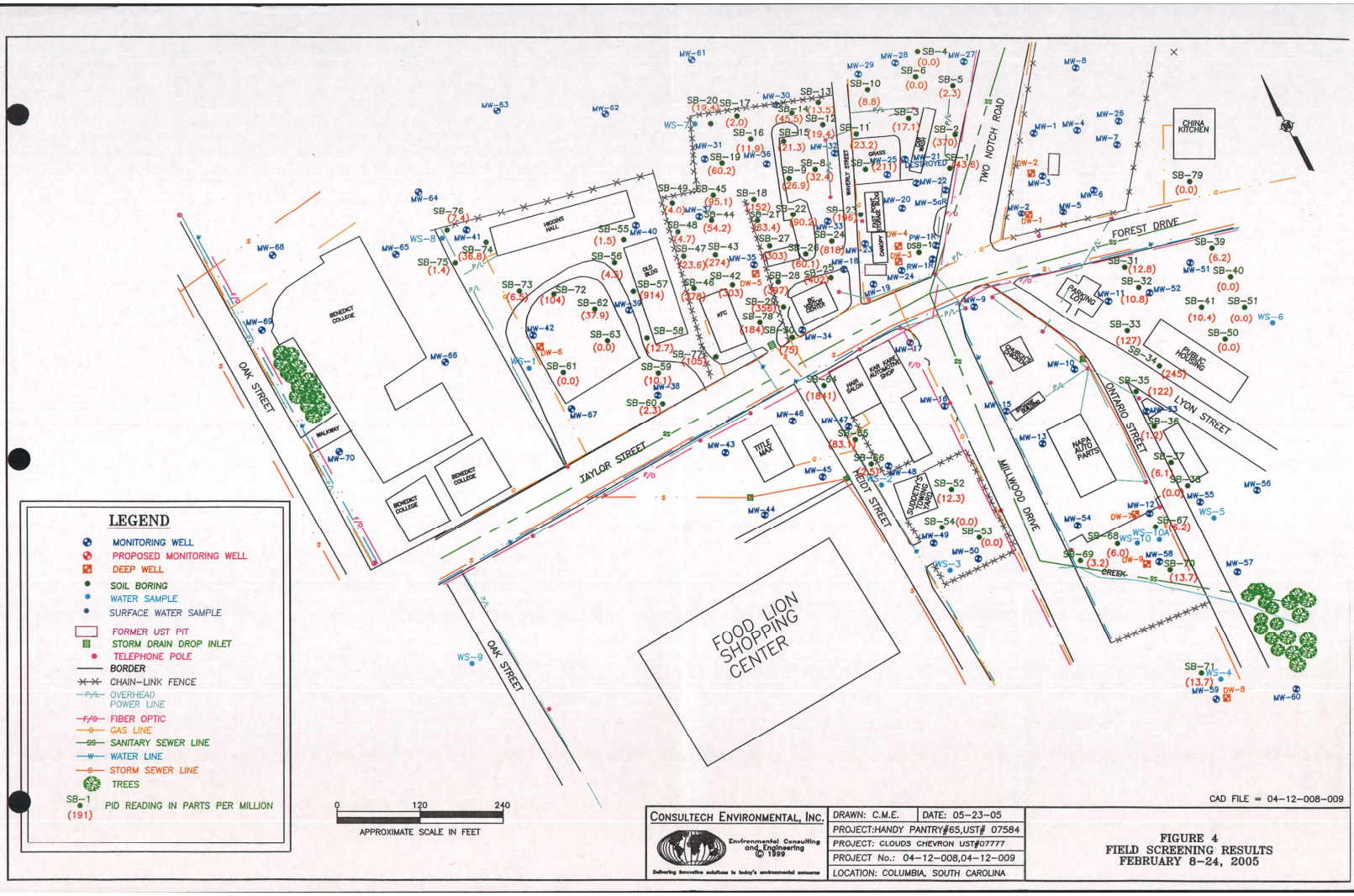
	PROJECT No.: 04-12-008,04-12-009	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 6
GROUNDWATER POTENTIAL SURFACE MAP
DEEP WELLS
APRIL 19-21 & MAY 17-18, 2005



CAD FILE = 04-12-008-009

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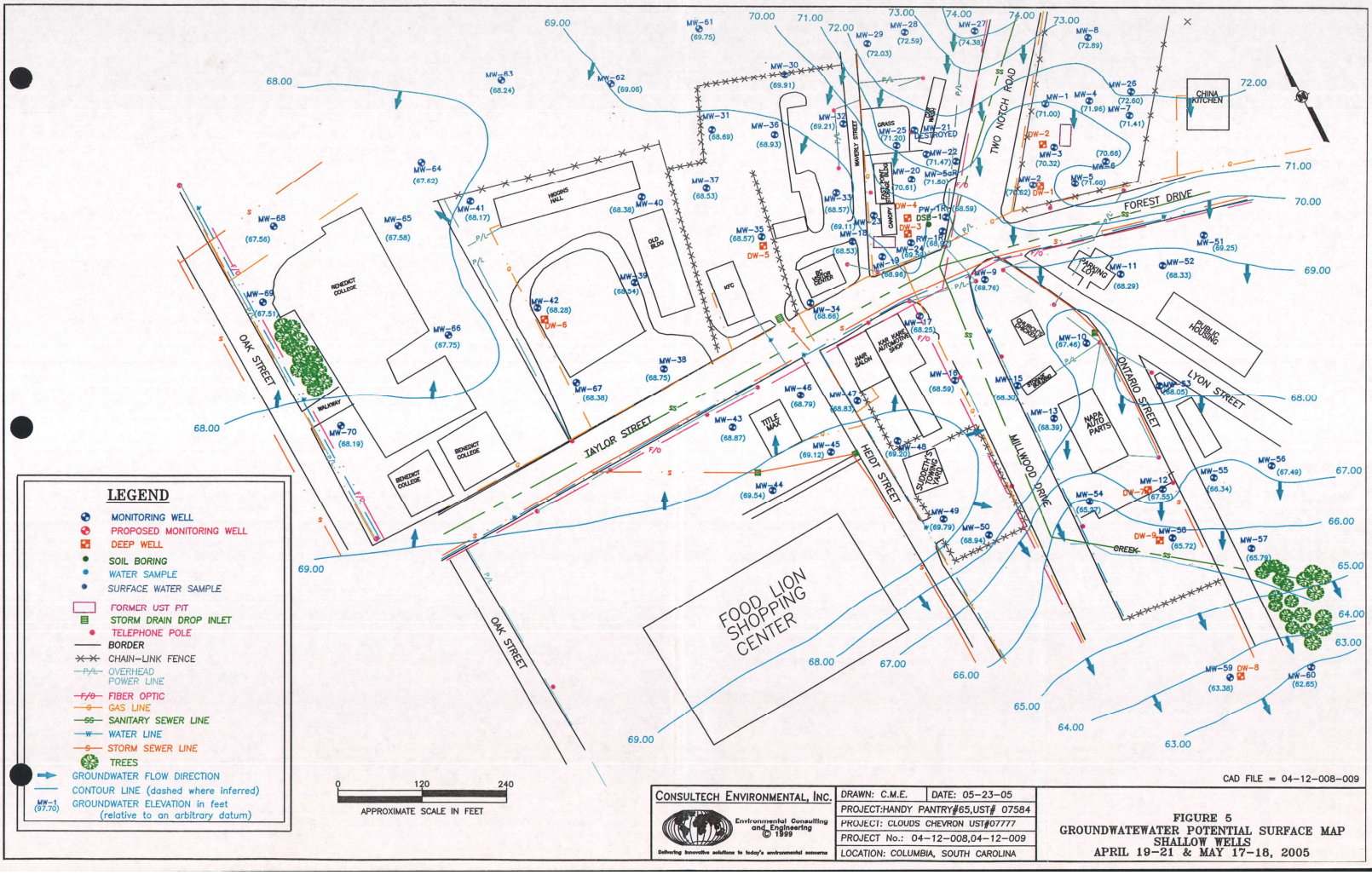
	PROJECT No.: 04-12-008,04-12-009
	LOCATION: COLUMBIA, SOUTH CAROLINA

FIGURE 4
FIELD SCREENING RESULTS
FEBRUARY 8-24, 2005



CAD FILE = 04-12-008-009

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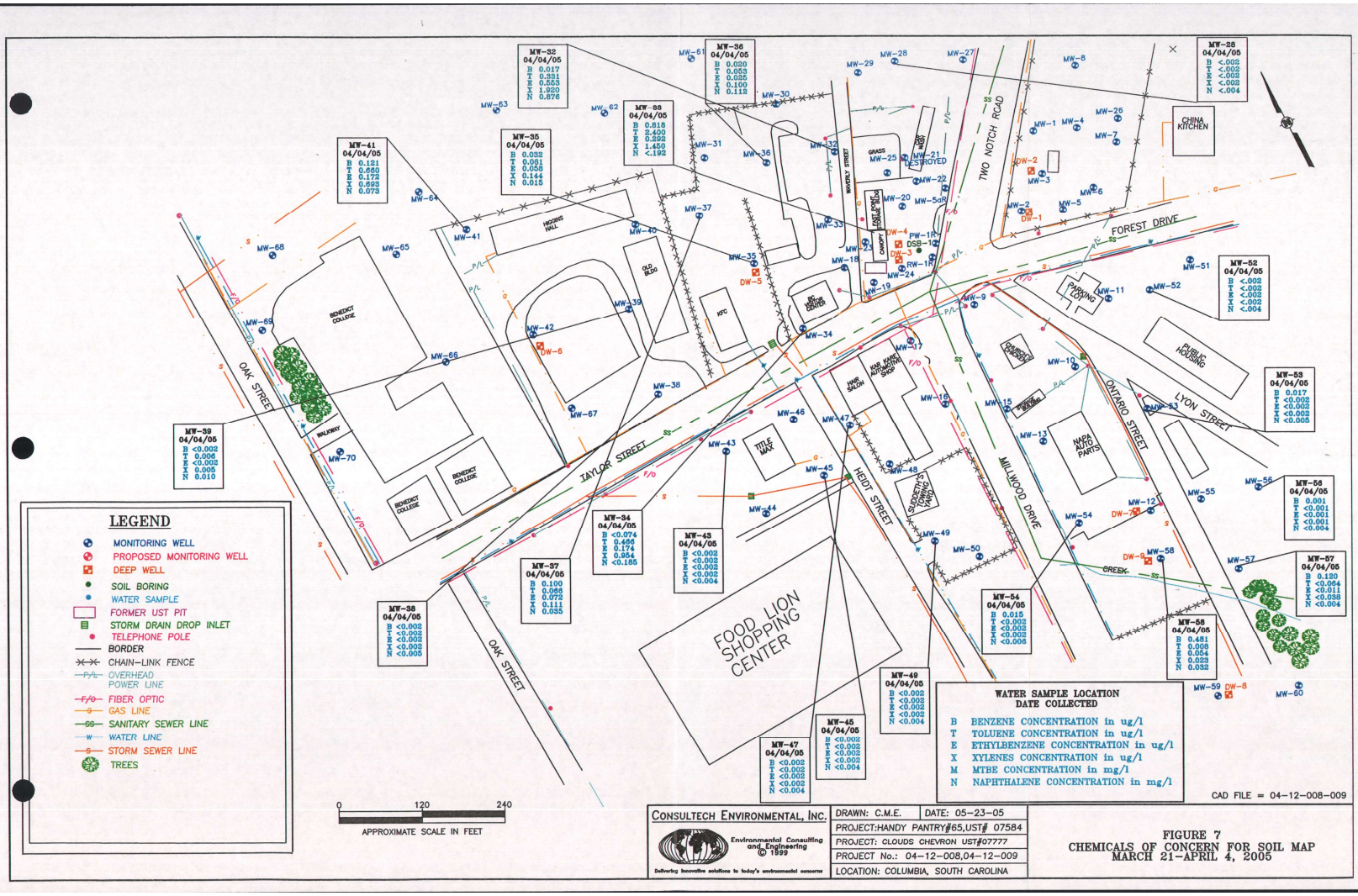
Delivering innovative solutions to today's environmental concerns	PROJECT: CLOUDS CHEVRON UST#07777	
	PROJECT No.: 04-12-008,04-12-009	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 5
GROUNDWATEWATER POTENTIAL SURFACE MAP
SHALLOW WELLS
APRIL 19-21 & MAY 17-18, 2005



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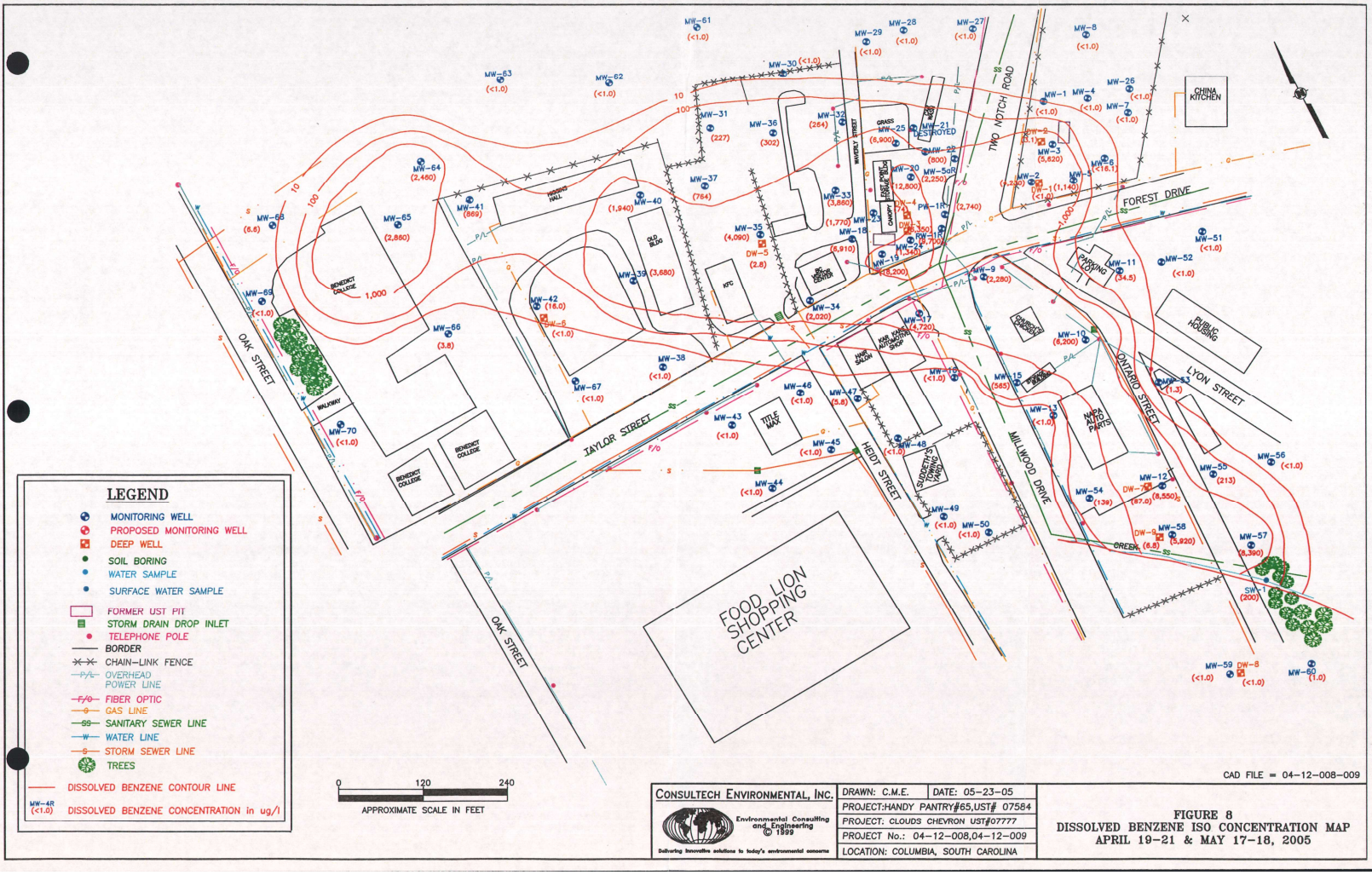
PROJECT: CLOUDS CHEVRON UST#07777
PROJECT No.: 04-12-008,04-12-009
LOCATION: COLUMBIA, SOUTH CAROLINA

FIGURE 7
CHEMICALS OF CONCERN FOR SOIL MAP
MARCH 21-APRIL 4, 2005



CAD FILE = 04-12-008-009

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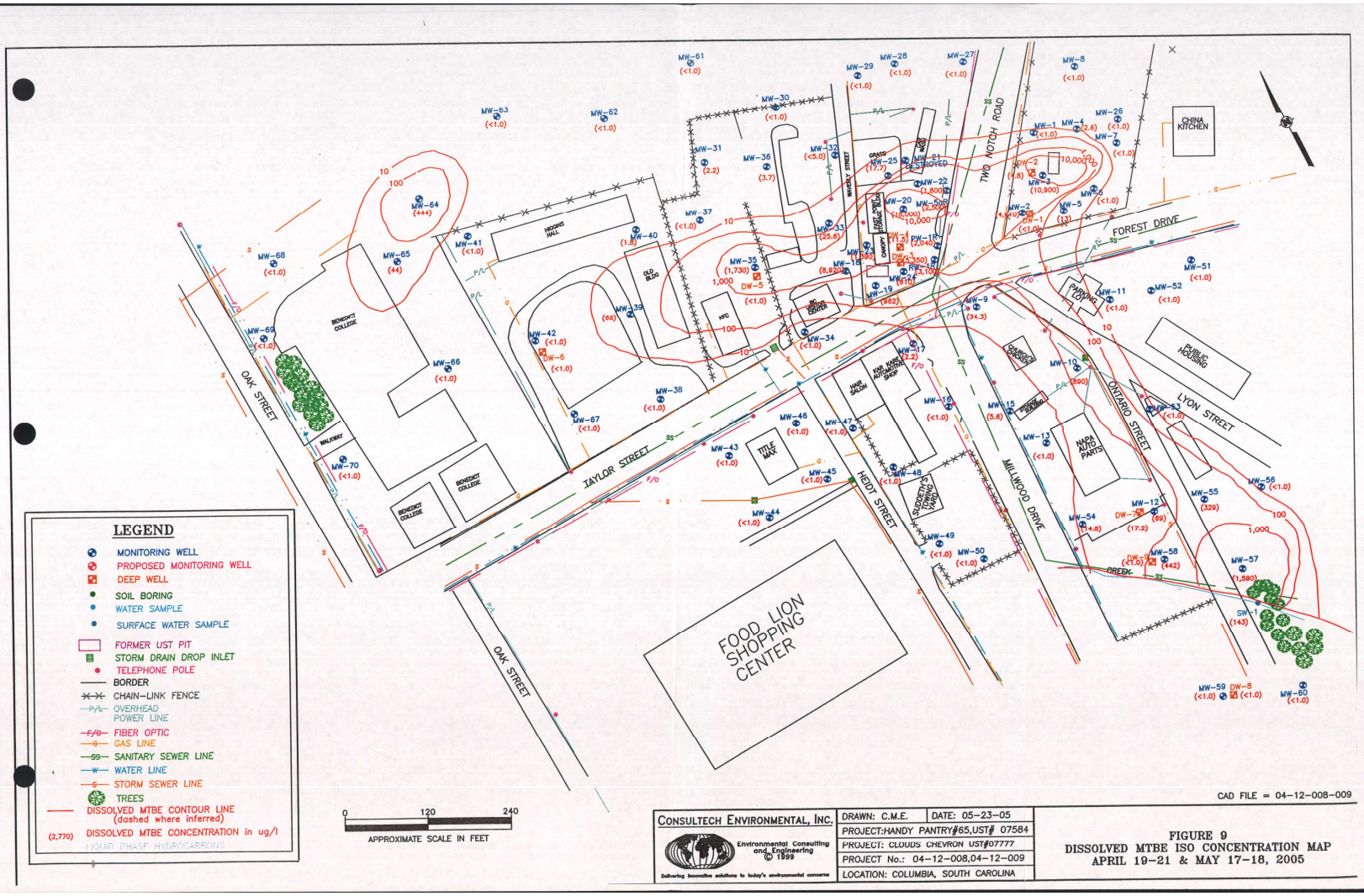
Delivering innovative solutions to today's environmental concerns	PROJECT: CLOUDS CHEVRON UST#07777	
	PROJECT No.: 04-12-008,04-12-009	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 8
DISSOLVED BENZENE ISO CONCENTRATION MAP
APRIL 19-21 & MAY 17-18, 2005



CAD FILE = 04-12-008-009

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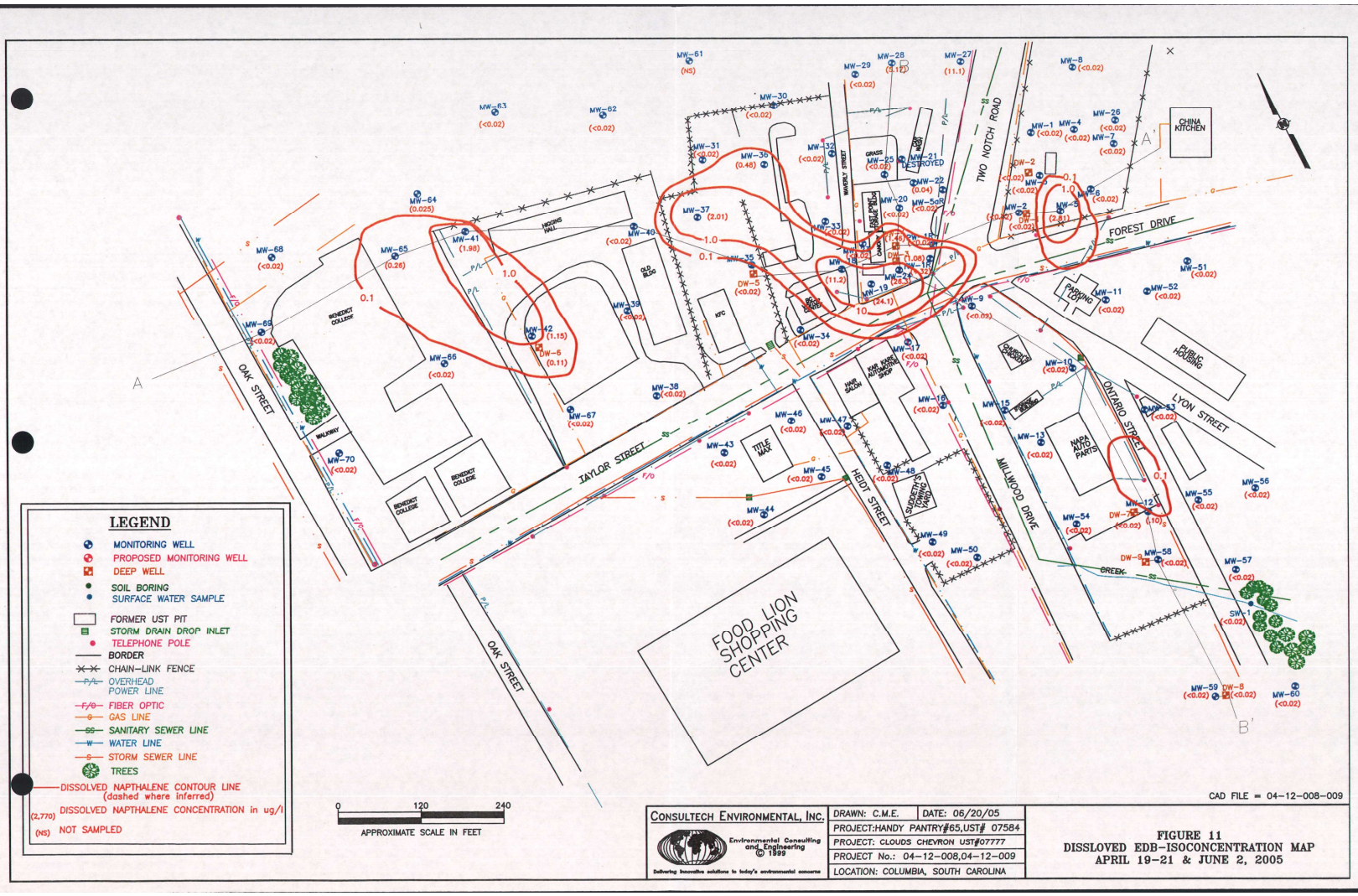
PROJECT: CLOUDS CHEVRON UST#07777
PROJECT No.: 04-12-008,04-12-009
LOCATION: COLUMBIA, SOUTH CAROLINA

FIGURE 9
DISSOLVED MTBE ISO CONCENTRATION MAP
APRIL 19-21 & MAY 17-18, 2005



CAD FILE = 04-12-008-009

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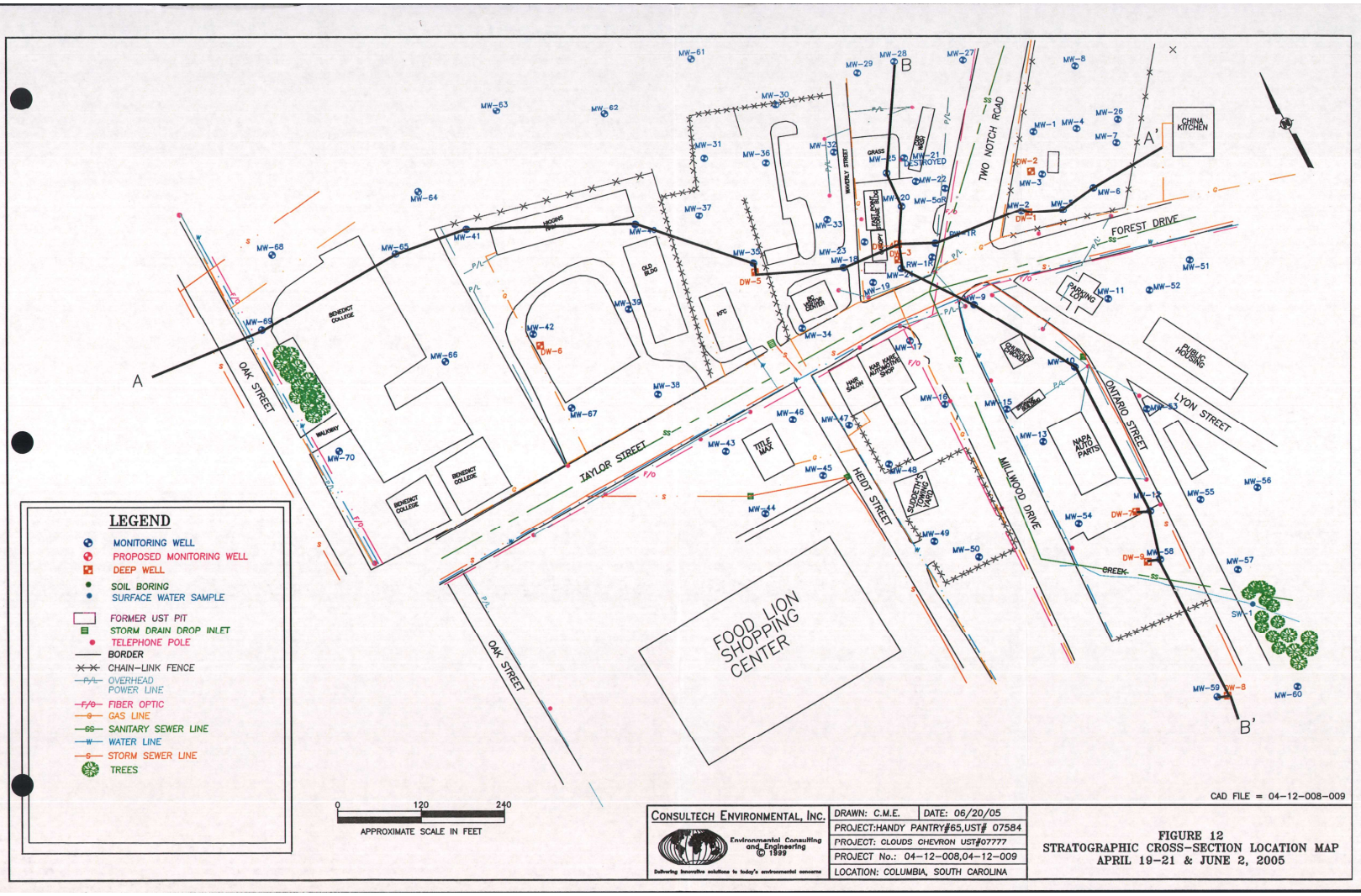
	PROJECT No.: 04-12-008,04-12-009	
	LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 11
DISSLOVED EDB-ISOCONCENTRATION MAP
APRIL 19-21 & JUNE 2, 2005



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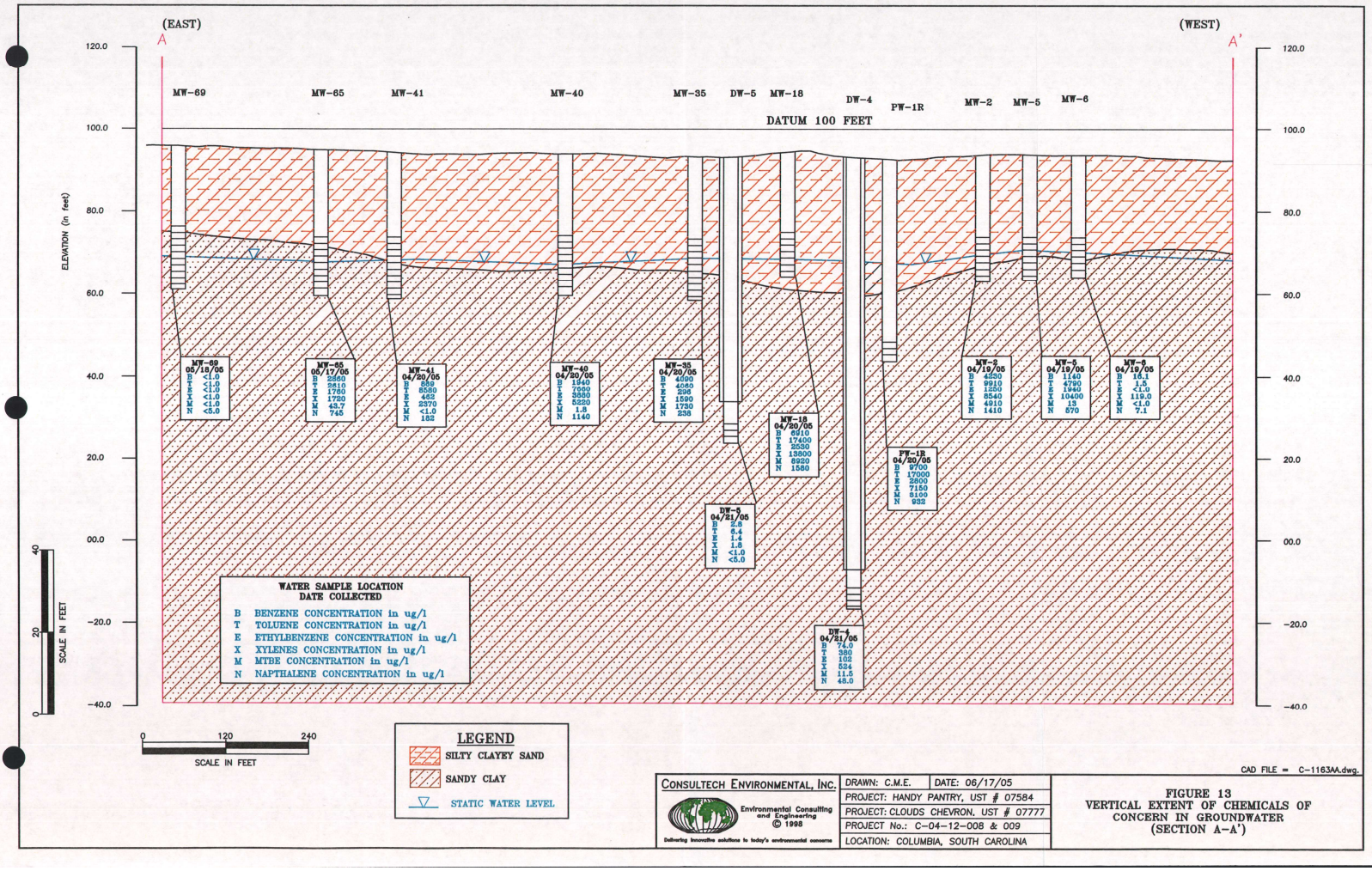
PROJECT: CLOUDS CHEVRON UST#07777	
PROJECT No.: 04-12-008,04-12-009	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 12
STRATOGRAPHIC CROSS-SECTION LOCATION MAP
APRIL 19-21 & JUNE 2, 2005



CAD FILE = C-1163AA.dwg.

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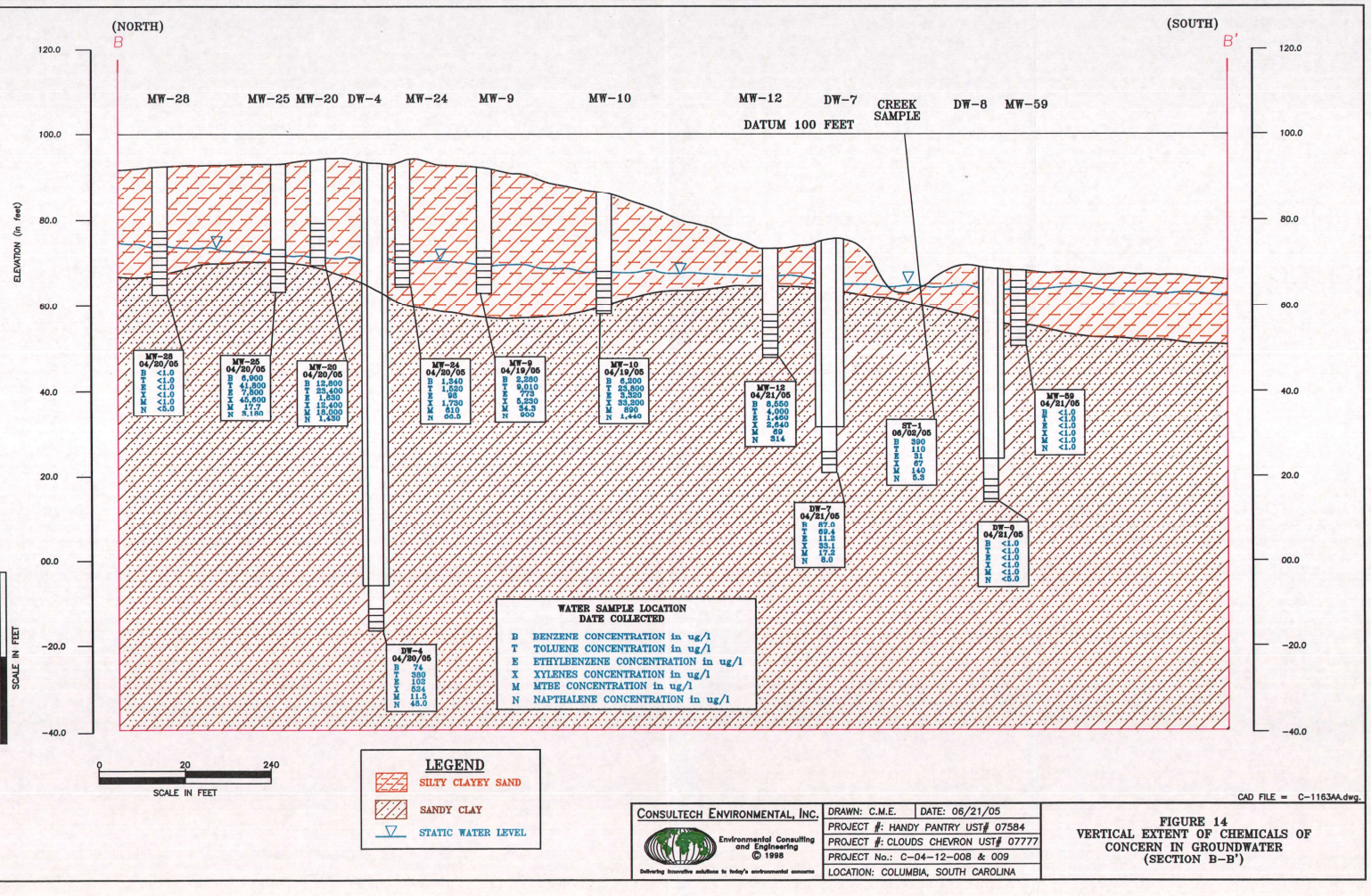
PROJECT: CLOUDS CHEVRON, UST # 07777	
PROJECT No.: C-04-12-008 & 009	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 13
VERTICAL EXTENT OF CHEMICALS OF CONCERN IN GROUNDWATER (SECTION A-A')



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PROJECT #: HANDY PANTRY UST# 07584	
PROJECT #: CLOUDS CHEVRON UST# 07777	
PROJECT No.: C-04-12-008 & 009	
LOCATION: COLUMBIA, SOUTH CAROLINA	

FIGURE 14
VERTICAL EXTENT OF CHEMICALS OF CONCERN IN GROUNDWATER (SECTION B-B')

APPENDIX 1
Survey Plat

TITLE AND TABLE SHEET

SHEET 1 OF 2

MONITOR WELL

MW	TOP OF CASING
MW 44	94.57'
MW 43	95.15'
MW 46	94.50'
MW 42	95.81'
MW 41	94.85'
MW 39	96.19'
MW 38	95.53'
MW 34	94.77'
MW 45	92.51'
MW 47	92.44'
MW 50	84.09'
MW 49	88.18'
MW 48	89.95'
MW 56	76.39'
MW 12	72.80'
MW 55	71.22'
MW 57	67.20'
MW 58	76.37'
MW 59	68.02'
MW 60	67.94'
MW 53	79.60'
MW 40	95.69'
MW 35	93.71'
MW 37	93.78'
MW 31	95.20'
MW 36	93.89'
MW 32	92.87'
MW 33	93.84'
MW 25	93.09'
MW 20	94.12'
MW 19	93.96'
MW 18	94.81'
MW 27	91.40'
MW 24	93.94'
MW 5AR	94.18'
MW 22	94.25'
MW 28	91.46'
MW 29	91.09'
MW 30	92.77'
MW 26	95.96'
MW 7	95.93'
MW 6	94.96'
MW 5	95.26'
MW 2	94.70'
MW 3	94.45'
MW 1	93.89'
MW 4	94.85'
MW 8	94.79'
MW 51	93.91'
MW 52	90.21'
MW 11	88.46'
MW 10	85.98'
MW 9	92.30'
MW 15	86.44'
MW 16	88.19'
MW 17	92.45'
MW 23	94.43'
MW 13	80.44'
MW 54	77.58'

DEEP WELL

DW	TOP OF CASING
DW1	94.66
DW2	94.02
DW3	93.75
DW4	93.79
DW5	93.74
DW6	95.90'
DW7	72.79'
DW8	68.63'

WELL	TOP OF CASING
PW 1R	93.75
RW 1R	93.66

0' 100' 200' 300'

1" = 100'

PROJECT

HANDY PANTRY #65 UST # 07584

CLOUDS CHEVRON UST # 07777

BAXTER LAND SURVEYING CO., INC.

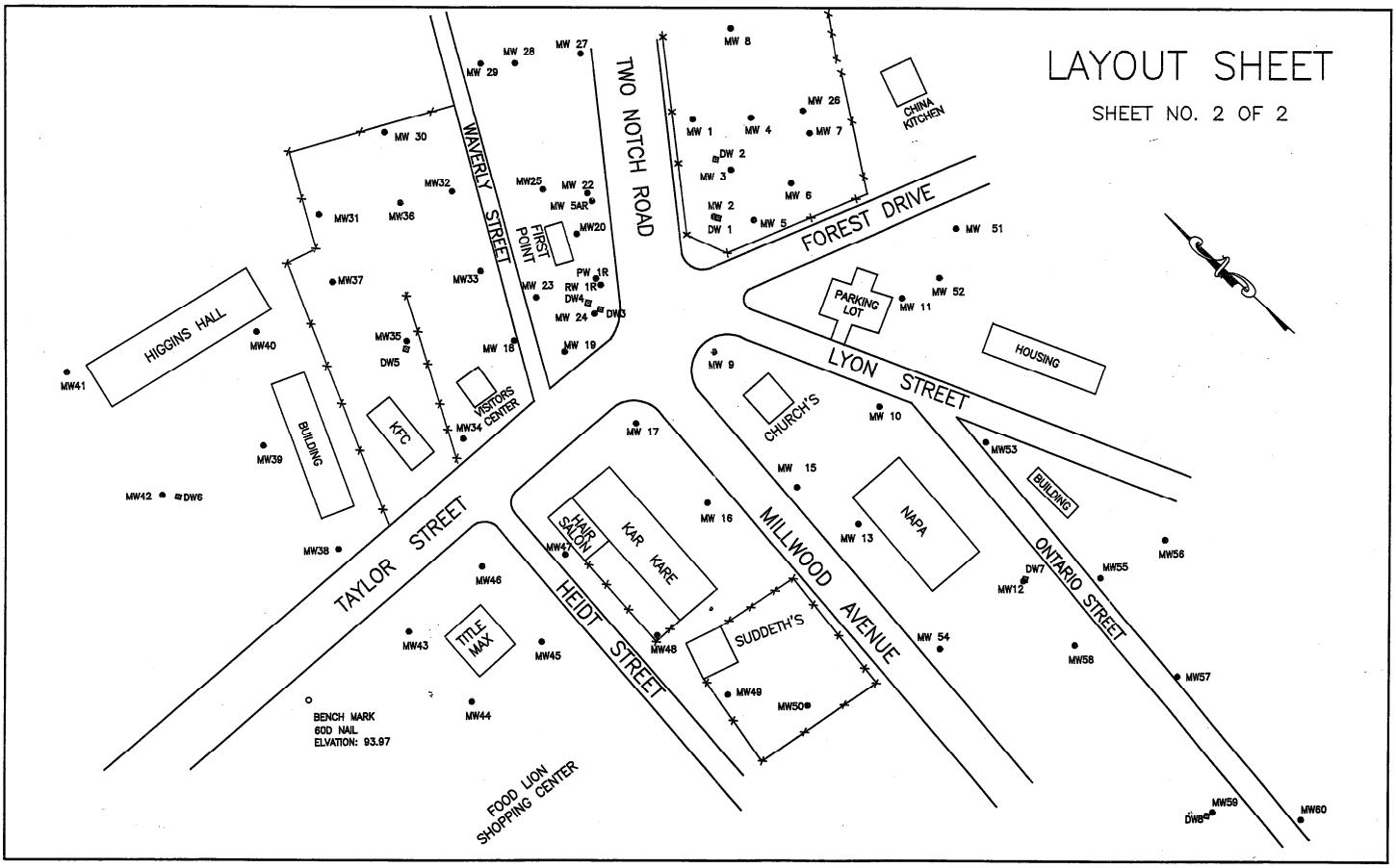
533 HARDEN STREET COLUMBIA, SC 29205

803-252-8564

APRIL 25, 2005

SOUTH CAROLINA BAXTER LAND SURVEYING CO. INC. NO. C00015 CERTIFICATE OF AUTHORIZATION

ROSSER W. BAXTER JR. SCPLS NO. 7613


LAYOUT SHEET
SHEET NO. 2 OF 2
TWO NOTCH ROAD
WAVERLY STREET
FOREST DRIVE
LYON STREET
TAYLOR STREET
HEIDT STREET
MILLWOOD AVENUE
ONTARIO STREET
HIGGINS HALL
BUILDING
KFC
VISITORS CENTER
FIRST POINT
PARKING LOT
HOUSING
CHURCH'S
CHINA KITCHEN
HAIR SALON
KAR KARE
NAPA
TITLE MAX
SUDDETH'S
BUILDING
BENCH MARK
60D NAIL
ELVATION: 93.97
FOOD LION SHOPPING CENTER
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TITLE AND TABLE SHEET

SHEET 1 OF 2

MONITOR WELL

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WELL	TOP OF CASING
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RW 1R	93.66

0' 100' 200' 300'

1" = 100'

PROJECT

HANDY PANTRY #65 UST # 07584

CLOUDS CHEVRON UST # 07777

BAXTER LAND SURVEYING CO., INC.

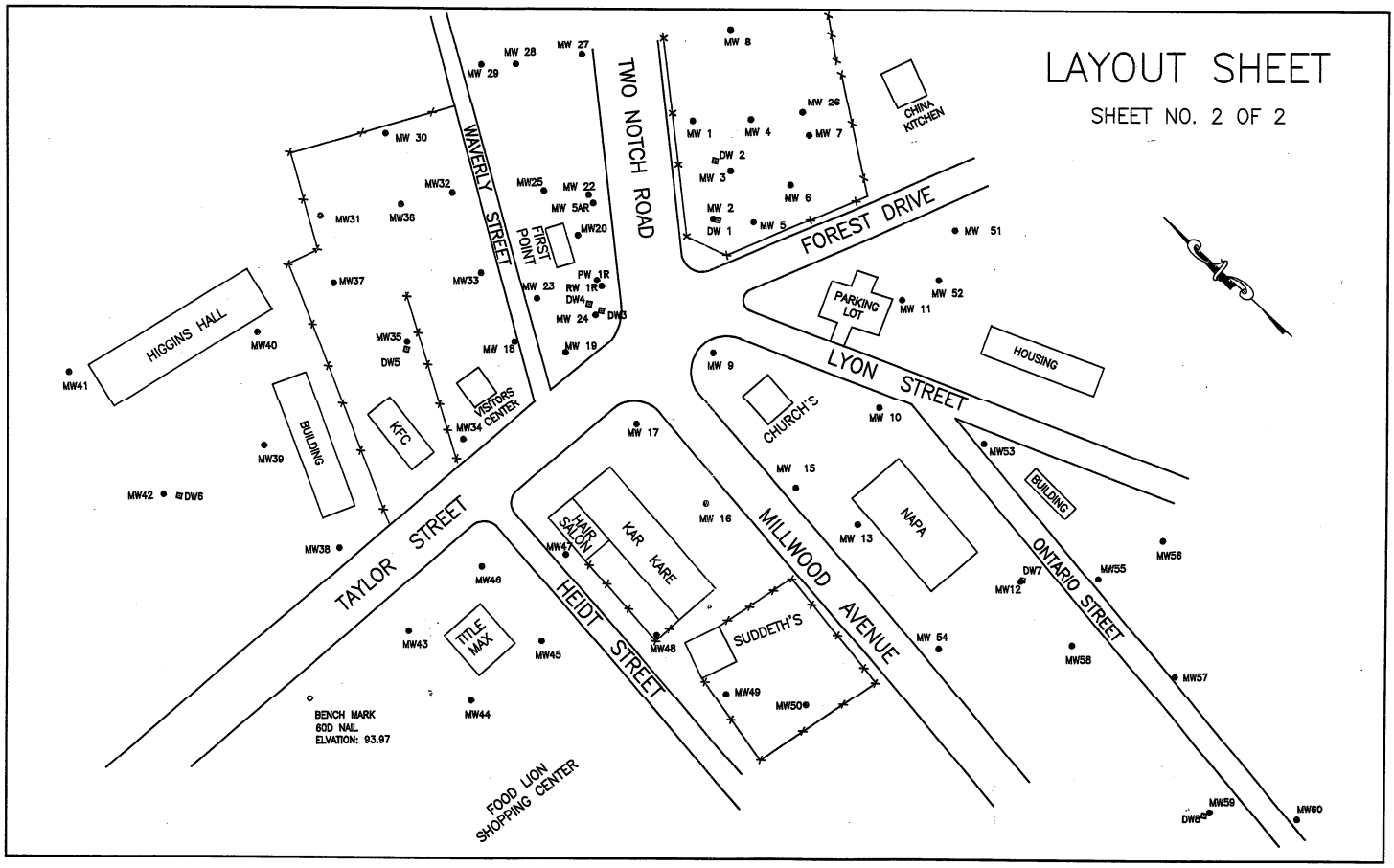
533 HARDEN STREET COLUMBIA, SC 29205

803-252-8564

APRIL 25, 2005

SOUTH CAROLINA BAXTER LAND SURVEYING CO. INC. NO. C00015 CERTIFICATE OF AUTHORIZATION

ROSSER W. BAXTER JR. SCPLS NO. 7613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TITLE AND TABLE SHEET

SHEET 1 OF 2

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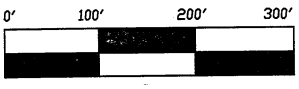


1" = 100'

PROJECT

HANDY PANTRY #65 UST # 07584

CLOUDS CHEVRON UST # 07777

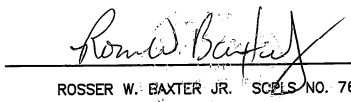
BAXTER LAND SURVEYING CO., INC.

533 HARDEN STREET COLUMBIA, SC 29205

803-252-8564

APRIL 25, 2005





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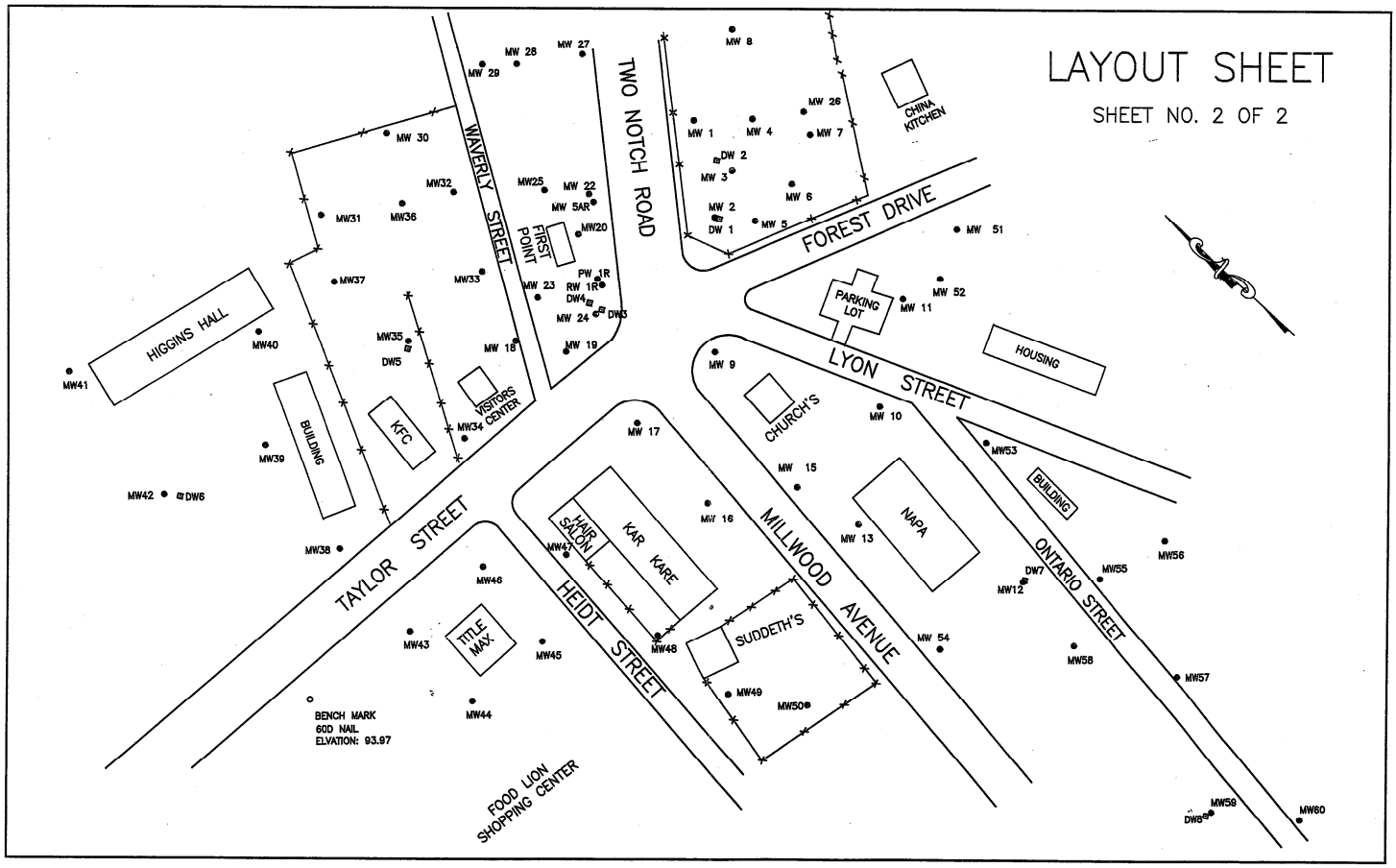
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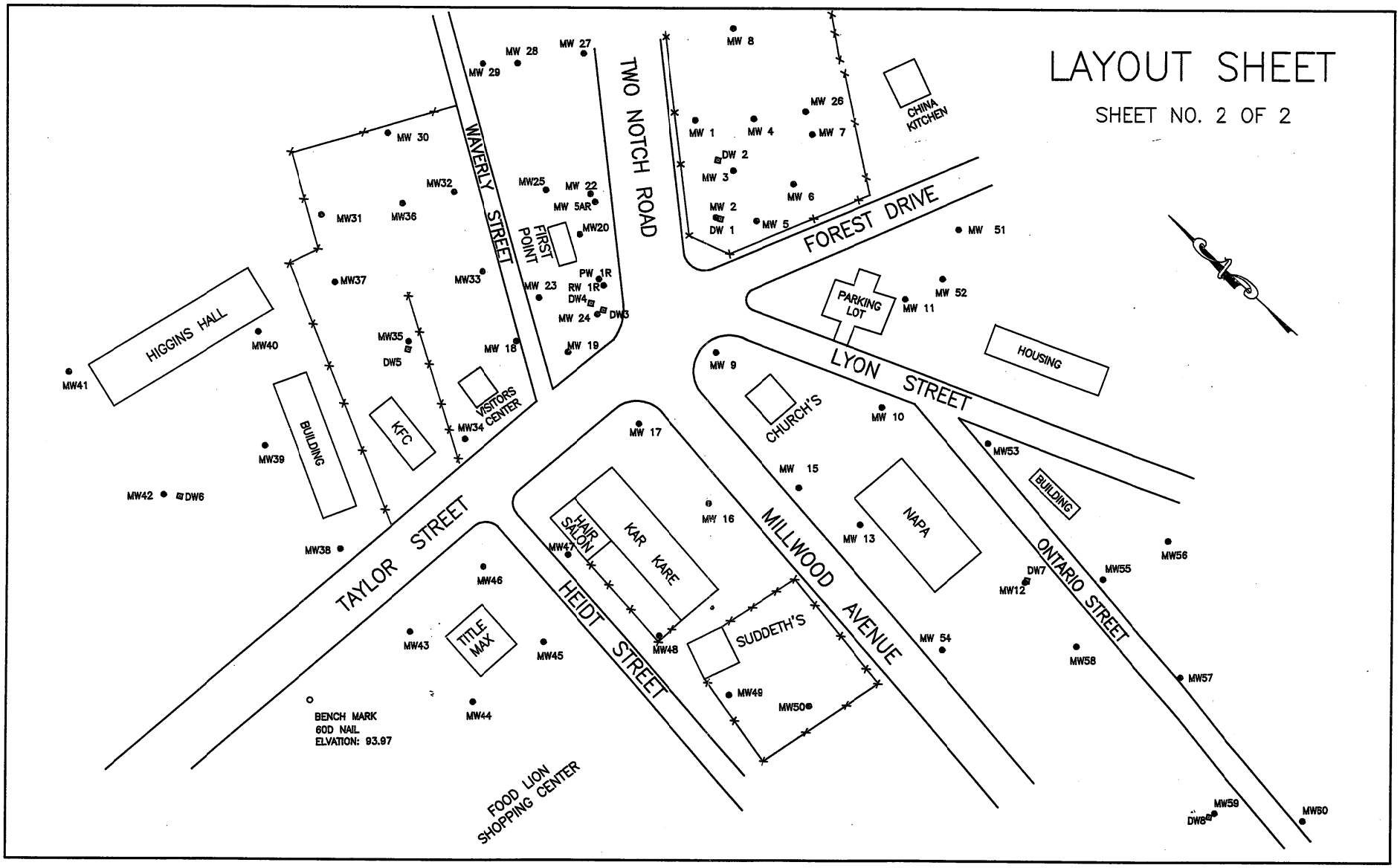
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MW 59
MW 5AR
DW 1
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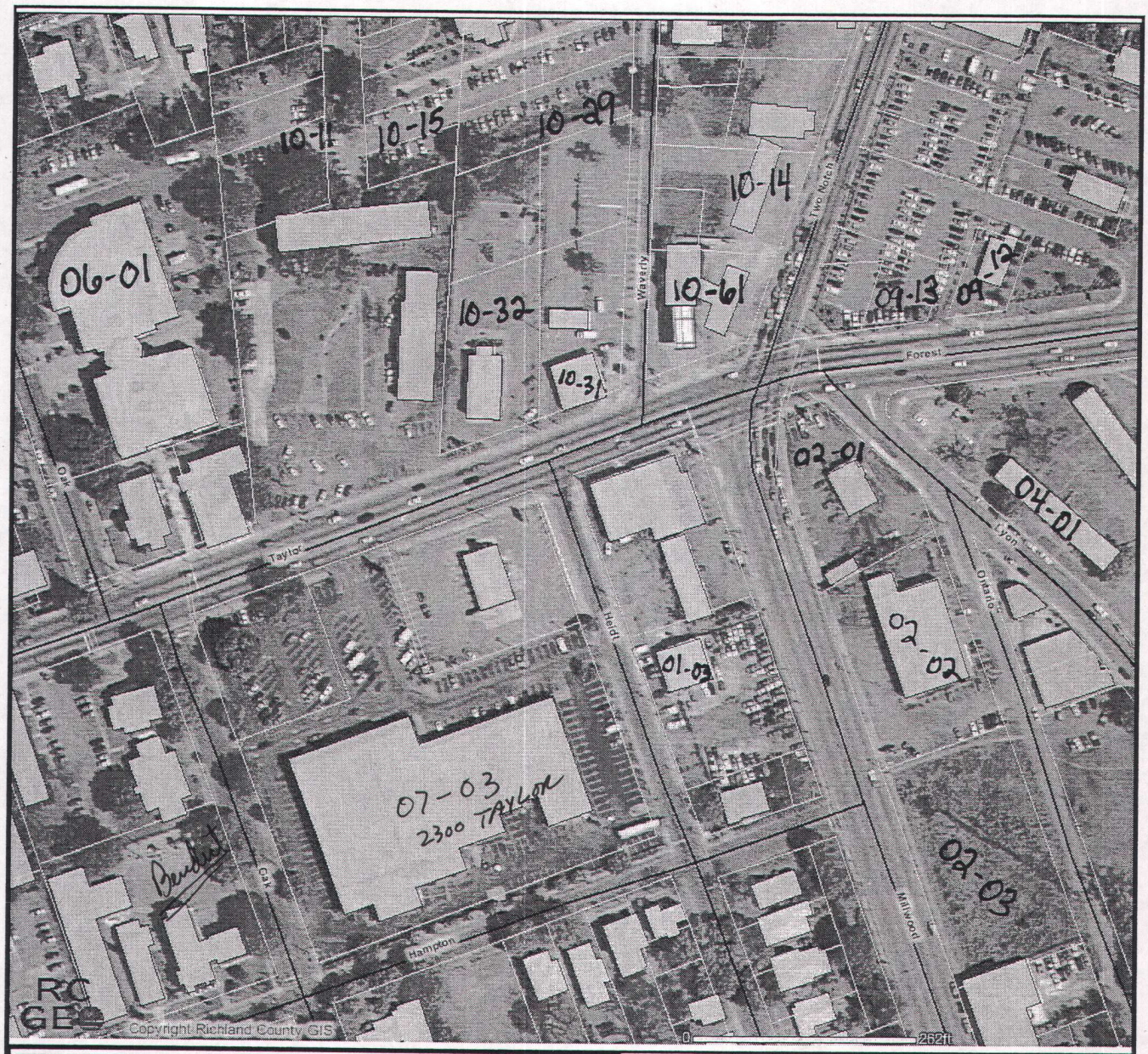
DW7
DW8
PW 1R
RW 1R

APPENDIX 2
Tax Map and Surrounding Property Owners

Adjacent Property Owners
Clouds Chevron – UST # 07777
Handy Pantry # 65 – UST # 07584
Columbia, SC
Richland County

Tax map and parcel #		Owner name and address
R11408-10-31		The Benedict College 1600 Harden Street Columbia, SC29204
R11411-01-03		Joe T. Suddeth 302 Biddle Road Columbia, SC 29212
R11411-02-01		Betty Gordon Bateman c/o Jesse T. Reese PO Box 1026 Columbia, SC
R11411-02-02		W.L. Boyd, III 455 Alexander Circle Columbia, SC 29206
R11411-02-03		James B. Morrison, Jr. 1014 Laurens St. Columbia
R11411-04-01		Gonzales Garden's Housing Authority PO Box 4307 Columbia SC
R11412-09-12		Cheung Family Corporation 7700 Loch Lane Columbia, SC 29223
R11412-09-13	**SITE**	Providence Hospital c/o Mr. Tom Pollard 803-253-8214
R11412-10-14		Benedict College – same as above – c/o Dr. David H. Swinton
R11412-10-61	**SITE**	Fast Point Food Stores 2811 Reidville Road, Ste 11 Spartanburg, SC
R11407-06-01		Benedict College 1616 Oak St. (1600 Harden Street Columbia,29204)
R11408-10-11		" " 1600 Heidt St.
R11408-10-15		" " 1612 Heidt St.
R11408-10-29		" " 1617 Waverly St.
R11408-10-32		KFC 2349 Taylor St. Columbia, SC

7-07-03 Edens + AVANT



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Richland County GIS
2020 Hampton St.
Columbia, SC 29204

RC GEO

DISCLAIMER : This is a product of the Richland County GIS Department. The data depicted here have been developed with extensive cooperation from other county departments, as well as other federal, state and local governments agencies.Richland County expressly disclaims responsibility for damages or liability that may arise from the use of this map.

PROPRIETARY INFORMATION: Any resale of this information is prohibited, except in accordance with a licensing agreement.

Legend

- County Boundary
- Private Schools
- Public Schools
- Police Stations
- Fire Stations
- County Assets
- Daycares
- Streets
- Buildings
- 2 Ft. Contours
- Streams
- Lakes
- Council Districts
- Zip Codes

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, _____, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located Richland County Tax Parcel Number R11412-10-14 & R11408-10-31, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months; or
- Maintenance of the monitoring well(s).

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time the property owner may contact Consultech if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

Robert Robinson
Company Representative

2/1/05
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

David H Swinton 2/24/2005
Property Owner's Signature

DAVID H. SWINTON
Printed Name

Access Denied:

_____
Property Owner's Signature

_____
Printed Name

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, Hayward Greene, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant Rob Robinson, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located 1611 Two Notch Road, for the purpose of performing an environmental assessment, as requested by DHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
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Rob Robinson
Company Representative

2/1/05
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

Hayward Greene for Benedict Calhoun
Property Owner's Signature

Hayward Greene
Printed Name

Access Denied:

Property Owner's Signature

Printed Name

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, Joe T. Siddeth, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors; and assigns the right to enter upon the property located **Richland County Tax Parcel Number R11411-01-03**, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
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Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time the property owner may contact Consultech if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

Jessica Guthrie
Company Representative

1-17-05
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

Joe T. Siddeth
Property Owner's Signature

Joe T. Siddeth
Printed Name

Access Denied:

Property Owner's Signature

Printed Name

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, _____, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located Richland County Tax Parcel # R11411-02-01, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

- Drilling of soil test boring(s);
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Jessica Guthrie
Company Representative

1-17-05
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

Jesse T Reese III Agent
Property Owner's Signature

Jesse T Reese III
Printed Name

Access Denied:

_____
Property Owner's Signature

_____
Printed Name

FAXED

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, William L. Boyd III, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located Richland County Tax Parcel Number R11411-02-02, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months; or
- Maintenance of the monitoring well(s).

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time the property owner may contact Consultech if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

Jessica Guthrie
Company Representative

1-17-05
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

Property Owner's Signature

W.L. Boyd III
Printed Name

Access Denied:

Property Owner's Signature

Printed Name

CONSULTECH ENVIRONMENTAL, INC.

PERMISSION TO ENTER PROPERTY

I, James B Morrison, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located **Richland County Tax Parcel Number R11411-02-03**, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months; or
- Maintenance of the monitoring well(s).

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time the property owner may contact Consultech if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

Drew Miller
Company Representative
Drew Miller

3/08/05
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

James B. Morrison, Jr.
Property Owner's Signature

James B. Morrison, Jr.
Printed Name

Access Denied:

Property Owner's Signature

Printed Name

1800 MacLeod Drive, Suite F * Lawrenceville, GA 30043-5376
678 377-0400 * FAX 678 377-0051

Housing Authority

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, _____, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located Richland Co. Tax Parcel # R11411-04-01, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months; or
- Maintenance of the monitoring well(s).

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time the property owner may contact Consultech if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

Jessica Guthrie
Company Representative

_____
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

_____
Property Owner's Signature

Gilbert Walker
Printed Name

Access Denied:

_____
Property Owner's Signature

_____
Printed Name

1800 MacLeod Drive, Suite F • Lawrenceville, GA 30043-5736
(678) 377-0400 • FAX: (678) 377-0051

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, _____, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located R11412-09-12 _____, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months; or
- Maintenance of the monitoring well(s).

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time the property owner may contact Consultech if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

_____
Company Representative

_____
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

_____
Property Owner's Signature

W. JA Moon
Printed Name

Access Denied:

_____
Property Owner's Signature

_____
Printed Name

CONSULTECH ENVIRONMENTAL, INC.

Consulting Engineers, Geologists & Scientists

PERMISSION TO ENTER PROPERTY

I, _____, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant SCDHEC, its consulting firm, Consultech Environmental, Inc. (Consultech) and its agents, employees and subcontractors, and assigns the right to enter upon the property located R11408-10-33, for the purpose of performing an environmental assessment, as requested by SCDHEC which will include the following categories of work:

- Drilling of soil test boring(s);
- Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months; or
- Maintenance of the monitoring well(s).

Wayne Reed gave verbal 803-422-0729

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time the property owner may contact Consultech if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of Consultech making reasonable restoration to the property resulting from Consultech's activities on the property.

_____
Company Representative

_____
Date

Consultech Environmental, Inc.
Telephone Number (678) 377-0400
Fax Number (678) 377-0051

Agreed and Consented to giving access:

_____
Property Owner's Signature

_____
Printed Name

Access Denied:

_____
Property Owner's Signature

_____
Printed Name

1800 MacLeod Drive, Suite F • Lawrenceville, GA 30043-5736
(678) 377-0400 • FAX: (678) 377-0051
www.consultechenv.com

APPENDIX 3
Soil Boring Logs and Monitoring Well Construction Details

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-1	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Clayey Sand, Dry, No Odor
8			0		Brown, Clayey Sand, Moist, No Odor
12			0		Light Brown, Clayey Sand, Moist, No Odor
16			0		Light Brown & Grey, Sandy Clay, Moist, No Odor
20			13.6		Light Brown & Grey, Sandy Clay, Moist, No Odor
24*			436		Orange & Grey, Clayey Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-2	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Clayey Sand, Dry, No Odor
8			0		Brown, Clayey Sand, Moist, No Odor
12			1.4		Light Brown, Clayey Sand, Moist, No Odor
16			2		Tan, Sandy Clay, Dry, No Odor
20			45.6		Grey, Sandy Clay, Moist, No Odor
24*			370		Tan, Clayey Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-3	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Clayey Sand, Dry, No Odor
8				0.8		Light Brown, Clayey Sand, Moist, No Odor
12				1.3		Light Brown, Sandy Clay, Moist, No Odor
16				2.9		Orange, Clayey Sand, Moist, Slight Odor
20				10.6		Orange, Clayey Sand, Wet, Odor
24*				17.1		Grey & Tan, Clayey Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-4	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Red Brown, Clayey Sand, Dry, No Odor
8			0		Brown, Clayey Sand, Moist, No Odor
12			0		Brown, Clayey Sand, Moist, No Odor
16			0		Brown, Clayey Sand, Moist, No Odor
20			0		Tan, Clayey Sand, Moist/Wet, No Odor
24*			0		Tan, Sandy Fat Clay, Moist, No Odor
28			0		Tan, Sandy Fat Clay, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-5	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Light Brown, Clayey Sand, Moist, No Odor
8				0		Light Brown, Clayey Sand, Moist, No Odor
12				0		Light Brown, Clayey Sand, Moist, No Odor
16				4.5		Grey, Sandy Clay, Moist, No Odor
20				6.8		Orange, Clayey Sand, Moist/Wet, No Odor
24*				2.3		Maroon & Grey, Sandy Fat Clay, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-6	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Clayey Sand, Moist, No Odor
8				0		Brown, Clayey Sand, Moist, No Odor
12				0		Brown, Clayey Sand, Moist, No Odor
16				0		Light Brown & Grey, Sandy Clay, Moist, No Odor
20				0		Orange, Clayey Sand, Moist, No Odor
24*				0		Grey, Clayey Sand, Wet, Slight Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-7	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				1.8		Brown, Clayey Sand, Moist, No Odor
8				2.4		Red Brown, Clayey Sand, Moist, No Odor
12				5		Orange, Clayey Sand, Moist, No Odor
16				26.1		Orange, Clayey Sand, Moist, Odor
20				126		Orange & Grey, Clayey Sand, Moist, Odor
24*				211		Grey & Tan, Clayey Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-8	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			1.2		Brown, Clayey Sand, Moist, No Odor
8			2.7		Red Brown, Clayey Sand, Moist, No Odor
12			6		Orange, Clayey Sand, Moist, Odor
16			19.2		Orange, Clayey Sand, Moist, Odor
20			26.9		Orange, Clayey Sand, Moist, Odor
24*			32.4		Tan & Orange, Clayey Sand, Moist, Odor
28			40.1		Tan & Orange, Clayey Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-9	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0.5		Red Brown, Clayey Sand, Dry, No Odor
8				3.1		Red Brown, Clayey Sand, Moist, No Odor
12				6.2		Red Brown, Clayey Sand, Moist, Slight Odor
16				12.1		Orange, Clayey Sand, Moist, Odor
20				12.4		Orange, Clayey Sand, Moist, Odor
24*				26.9		Orange, Clayey Sand, Moist, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-10	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0.2		Brown, Clay Sand, Dry, No Odor
8				0.3		Brown, Clay Sand, Dry, No Odor
12				0.9		Brown, Clay Sand, Dry, No Odor
16				5.1		Brown, Clay Sand, Dry, No Odor
20				6		Brown, Clay Sand, Dry, No Odor
24*				8.8		Grey, Clay Sand, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-11	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			1.3		Brown, Clay Sand, Dry, No Odor
8			2.1		Red-Grey, Clay Sand, Dry, No Odor
12			2.9		Red-Grey, Clay Sand, Dry, No Odor
16			62.6		Red-Grey, Firm, Dry, Odor
20			222		Red-Grey, Firm, Dry, Odor
24*			232		Red-Grey, Firm, Dry, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-12	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				2.5		Brown, Clay Sand, Moist, No Odor
8				5.1		Brown, Clay Sand, Moist, No Odor
12				5.7		Grey, Clay Sand, Moist, No Odor
16				57.5		Grey, Clay Sand, Moist, Odor
20				39.4		Grey, Clay Sand, Moist, Odor
24*				19.4		Grey, Clay Sand, Moist, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-13	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0.3		Brown, Clayey Sand, Dry, No Odor
8			0.6		Brown, Clayey Sand, Dry, No Odor
12			1.2		Brown, Clayey Sand, Dry, No Odor
16			1.8		Brown, Clayey Sand, Dry, No Odor
20			9.7		Brown, Clayey Sand, Dry, Slight Odor
24*			13.5		Brown, Clayey Sand, Moist, Slight Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-14	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/8/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				1.3		Brown, Clayey Sand, Dry, No Odor
8				2.5		Brown, Clayey Sand, Dry, No Odor
12				5.3		Brown, Clayey Sand, Moist, No Odor
16				11.2		Brown, Clayey Sand, Moist, Slight Odor
20				22.1		Brown, Clayey Sand, Moist, Odor
24*				45.5		Brown, Clayey Sand, Moist, Odor
28				0		Grey w/purple haze, Fat Clay, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-15	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/10/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0.5		Brown, Sandy Clay, Dry, No Odor
8				3.2		Brown, Clayey Sand, Dry, No Odor
12				5.2		Brown, Clayey Sand, Moist, No Odor
16				8		Brown, Clayey Sand, Moist, No Odor
20				9.2		Tan, Silty Sand, Moist, No Odor
24*				21.3		Tan, Silty Sand, Wet, Slight Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-16	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/10/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			1.4		Brown, Sandy Clay, Moist, No Odor
8			2.4		Brown, Sandy Clay, Moist, No Odor
12			2.7		Brown, Sandy Clay, Moist, No Odor
16			4.6		Brown, Clayey Sand, Moist, No Odor
20			3		Tan, Clayey Sand, Moist, No Odor
24			5.1		White, Sand, Moist, No Odor
27*			11.9		White, Sand, Wet, Odor
28			129		Marroon, Sandy Fat Clay, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-17	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/10/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Clayey Sand, Dry, No Odor
8				0		Red Brown, Clayey Sand, Moist, No Odor
12				1.2		Red Brown, Clayey Sand, Moist, No Odor
16				1		Orange, Clayey Sand, Moist, No Odor
20				1.2		Orange & Tan, Clayey Sand, Moist, No Odor
24				2.3		White, Clayey Sand, Moist, No Odor
26*				2		Orange & Tan, Clayey Sand, Wet, No Odor
28				0		Grey & Maroon, Fat Clay, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-18	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/10/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Clayey Sand, Dry, No Odor
8				0.8		Brown, Clayey Sand, Moist, No Odor
12				2.4		Brown, Sandy Clay, Moist, No Odor
16				2.4		Brown, Clayey Sand, Moist, No Odor
20				2.5		Tan, Silty Sand, Moist, No Odor
24				6		White & Tan, Silty Sand, Moist, No Odor
28*				152		Orange, Silty Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-19	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/10/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Clayey Sand, Dry, No Odor
8			0		Brown, Clayey Sand, Moist, No Odor
12			10.8		Brown, Sandy Clay, Moist, No Odor
16			53.4		Brown, Silty Sand, Moist, Odor
20			10.2		Tan, Silty Sand, Moist, Odor
24*			60.2		Tan, Silty Sand, Wet, Odor
28*			7.2		Tan, Silty Sand, Wet, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-20	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/10/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Clayey Sand, Moist, No Odor
8				0		Red Brown, Clayey Sand, Moist, No Odor
12				6.4		Red Brown, Clayey Sand, Moist, No Odor
16				20.4		Red Brown, Sandy Clay, Moist, Slight Odor
20				35.1		Tan,Silty Sand, Moist, Odor
24				40.3		Tan,Silty Sand, Moist, Odor
27*				19.4		Tan, Silty Sand, Wet, Slight Odor
28				2.3		Red & Grey, Fat Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/10/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Clayey Sand, Dry, No Odor
8			1.2		Brown, Clayey Sand, Moist, No Odor
12			1.6		Red Brown, Sandy Clay, Moist, No Odor
16			8.3		Brown & Tan, Silty Sand, Moist, No Odor
20			18.6		Tan, Silty Sand, Moist, Odor
24			40.2		Tan & Grey, Silty Sand, Moist, Odor
28*			63.4		Tan & Grey, Silty Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/11/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Clayey Sand, Moist, No Odor
8				0		Brown, Clayey Sand, Moist, No Odor
12				1.2		Brown, Clayey Sand, Moist, No Odor
16				4.9		Orange, Silty Sand, Moist, No Odor
20				10.3		Orange, Silty Sand, Moist, No Odor
24				31.2		Grey, Silty Sand, Moist, Odor
28*				90.2		Grey & Red, Silty Clay, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/11/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				3.4		Brown, Silty Sand, Moist, No Odor
8				12.3		Brown, Clayey Sand, Moist, No Odor
12				85.2		Brown, Clayey Sand, Moist, Odor
16				6.2		Tan, Silty Sand, Moist, No Odor
20				275		Orange, Silty Sand, Moist, Odor
24				353		Tan, Silty Sand, Moist, Odor
28*				196		Tan, Silty Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-24	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/11/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			1.2		Brown, Silty Sand, Dry, No Odor
8			4.9		Brown, Silty Sand, Moist, No Odor
12			6.4		Brown, Clayey Sand, Moist, Odor
16			10.3		Tan, Silty Sand, Moist, No Odor
20			18.6		Tan, Silty Sand, Moist, Slight Odor
24			35.4		White, Silty Sand, Moist, Odor
28*			818		Grey, Silty Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-25	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/11/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Dry, No Odor
8			1.1		Brown, Clayey Silt, Moist, No Odor
12			8.3		Brown, Clayey Silt, Moist, No Odor
16			22.7		Brown, Clayey Silt, Moist, Odor
20			387		Orange, Silty Sand, Moist, Odor
24*			402		Grey, Silty Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-26	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/11/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			1.3		Red Brown, Clayey Silt, Moist, No Odor
8			15.2		Red Brown, Silty Sand, Moist, No Odor
12			109		Red Brown, Silty Sand, Moist, Odor
16			115		Brown & Tan, Silty Sand, Moist, Odor
20			232		Grey, Silty Sand, Moist, Odor
24			173		Orange & Tan, Silty Sand, Moist, Odor
28*			60.1		Grey, Silty Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/15/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS Every water Layer has been a very porous sand atop a layer of fat clay.
4			0		Red Brown, Clayey Sand, Dry, No Odor
8			0		Red Brown, Clayey Sand, Dry, No Odor
12			0.9		Red Brown, Clayey Sand, Dry, No Odor
16			12.5		Orange, Silty Sand, Moist, No Odor
20			53.9		Orange & Tan, Silty Sand, Moist, Odor
24			102		White, Silty Sand, Moist, Odor
28*			303		Grey, Silty Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/15/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS Every water Layer has been a very porous sand atop a layer of fat clay.
4				0		Red Brown, Clayey Sand, Dry, No Odor
8				0		Red Brown, Clayey Sand, Dry, No Odor
12				3.3		Red Brown, Clayey Sand, Dry, No Odor
16				31.9		Orange, Silty Sand, Moist, No Odor
20				41.2		Orange, Silty Sand, Moist, No Odor
24				92.1		Tan, Silty Sand, Moist, No Odor
28*				397		Grey, Silty Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/15/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS Every water Layer has been a very porous sand atop a layer of fat clay.
4				0		Brown, Clayey Sand, Dry, No Odor
8				0		Brown, Clayey Sand, Dry, No Odor
12				1.2		Orange, Silty Sand, Moist, No Odor
16				12.1		Orange, Silty Sand, Moist, Odor
20				34.6		Tan, Silty Sand, Moist, Odor
24				76.2		Grey & Tan, Silty Sand, Moist, Odor
28*				356		Orange & Grey, Silty Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/15/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS Every water Layer has been a very porous sand atop a layer of fat clay.
4			0		Red Brown, Clayey Sand, Moist, No Odor
8			0		Red Brown, Clayey Sand, Moist, No Odor
12			5.6		Red Brown, Clayey Sand, Moist, No Odor
16			25.9		Orange, Silty Sand, Moist, Odor
20			31.4		Orange & Tan, Silty Sand, Moist, Odor
24			77.7		Grey & Tan, Silty Sand, Moist, Odor
27*			75.1		Grey & Tan, Silty Sand, Wet, Odor
28*			418		Orange & Grey, Clayey Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/15/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS Every water Layer has been a very porous sand atop a layer of fat clay.
4			0		Brown, Silty Sand, Moist, No Odor
8			1.8		Light Brown, Silty Sand, Moist, No Odor
12			3.2		Light Brown, Silty Sand, Moist, No Odor
16			10.1		Light Brown, Silty Sand, Moist, No Odor
20			50		Light Brown, Silty Sand, Moist, Slight Odor
23*			12.8		Light Brown, Silty Sand, Wet, Slight Odor
24*			18.8		Purple Brown, Silty Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/15/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS Every water Layer has been a very porous sand atop a layer of fat clay.
4			0		Brown, Silty Sand, Moist, No Odor
8			0		Orange, Silty Sand, Moist, No Odor
12			0		Orange, Silty Sand, Moist, No Odor
16			0		Orange, Silty Sand, Moist, No Odor
20			4.4		Orange & Tan, Silty Sand, Moist, No Odor
22*			10.8		Orange & Tan, Silty Sand, Wet, No Odor
24*			14.8		Grey Brown, Sandy Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/15/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS Every water Layer has been a very porous sand atop a layer of fat clay.
4				0		Brown, Silty Sand, Moist, No Odor
8				0		Brown, Silty Sand, Moist, No Odor
12				21.2		Red Grey & Tan, Sandy Clay, Moist, Odor
16				81.9		Orange, Silty Sand, Moist, Odor
20				542		Orange, Silty Sand, Moist, Odor
22*				127		Orange, Silty Sand, Wet, Odor
24*				28.7		Purple & Grey, Sandy Clay, Moist, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/15/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 20'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS Every water Layer has been a very porous sand atop a layer of fat clay.
4			0		Brown, Silty Sand, Moist, No Odor
8			0		Orange & Tan, Silty Sand, Moist, No Odor
12			0		Orange & Tan, Silty Sand, Moist, No Odor
16			43.5		Grey & Orange, Clayey Sand, Moist, Odor
19*			245		Grey, Silty Sand, Wet, Odor
20			40.4		Grey & Purple, Silty Clay, Moist, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 20'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Clayey Sand, Moist, No Odor
8				0		Red Brown, Clayey Sand, Moist, No Odor
12				0		Orange, Clayey Sand, Moist, No Odor
16				21.6		Orange, Clayey Sand, Moist, Slight Odor
20				122		Red Brown & Grey, Silty Clay, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 16'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Clayey Sand, Moist, No Odor
8			0		Red Brown & Grey, Clayey Sand, Moist, No Odor
12			47.9		Orange, Silty Sand, Moist, No Odor
16			58		Orange, Silty Sand, Wet, Odor
20			1.2		Red & Grey, Silty Fat Clay, Moist, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 16'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Clayey Sand, Moist, No Odor
8			0		Red Brown, Clayey Sand, Moist, No Odor
12			3.4		Brown & Grey, Clayey Sand, Moist, No Odor
16*			14.2		Red Brown & Grey, Clayey Sand, Wet, No Odor
20			6.1		Red Brown & Grey, Sandy Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 12'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Red Brown, Clayey Sand, Moist, No Odor
8				0		Red Brown & Grey, Clayey Sand, Moist, No Odor
12*				0		Red Brown & Grey, Clayey Sand, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Moist, No Odor
8				0		Brown, Clayey Sand, Moist, No Odor
12				0		Brown & Grey, Clayey Sand, Moist, No Odor
16				0		Orange, Silty Sand, Moist, No Odor
20				0		Orange, Silty Sand, Moist, No Odor
24*				6.2		Orange, Silty Sand, Moist, No Odor
28				0		Purple & Grey, Silty Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Moist, No Odor
8				0		Orange, Silty Sand, Moist, No Odor
12				0		Red Brown & Tan, Silty Sand, Moist, No Odor
16				0		Orange & Tan, Silty Sand, Moist, No Odor
20				0		Orange & Tan, Silty Sand, Moist, No Odor
23*				0		Orange & Tan, Silty Sand, Wet, No Odor
24				0		Purple & Grey, Silty Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Moist, No Odor
8				0		Orange, Silty Sand, Moist, No Odor
12				0		Orange, Silty Sand, Moist, No Odor
16				0		Orange, Silty Sand, Moist, No Odor
20				13.4		Orange & Tan, Silty Sand, Moist, Slight Odor
21*				10.4		Orange & Tan, Silty Sand, Wet, Slight Odor
24				2.8		Purple & Grey, Sandy Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Moist, No Odor
8			0		Brown, Silty Sand, Moist, No Odor
12			0		Orange, Silty Sand, Moist, No Odor
16			1.2		Orange, Silty Sand, Moist, No Odor
20			20.6		Orange & Tan, Silty Sand, Moist, Slight Odor
24			80.4		Orange & Tan, Silty Sand, Moist, Odor
28*			303		Orange & Grey, Silty Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-43	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Dry, No Odor
8			0		Brown, Silty Sand, Moist, No Odor
12			0		Light Brown, Silty Sand, Moist, No Odor
16			6.3		Orange, Silty Sand, Moist, Odor
20			91.4		Orange & Tan, Silty Sand, Moist, Odor
24			80.4		Orange & Tan, Silty Sand, Moist, Odor
28*			274		Orange Tan & Grey, Silty Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Light Brown, Silty Sand, Moist, No Odor
12				0		Orange, Silty Sand, Moist, No Odor
16				1.4		Orange & Tan, Silty Sand, Moist, Odor
20				6.3		Orange & Tan, Silty Sand, Moist, Odor
24				21.2		Orange & Tan, Silty Sand, Moist, Slight Odor
27*				54.2		Orange & Grey, Silty Clay, Moist, Odor
28				101		Purple & Grey, Silty Clay, Moist, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/16/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Brown, Silty Sand, Moist, No Odor
12				0		Brown, Silty Sand, Moist, No Odor
16				3.9		Orange & Tan, Silty Sand, Moist, No Odor
20				4.5		Orange, Silty Sand, Moist, Odor
24				6.2		Orange & Tan, Silty Sand, Moist, No Odor
28*				95.1		Orange & Grey, Silty Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Red Brown, Clayey Sand, Dry, No Odor
8				0		Red Brown, Clayey Sand, Dry, No Odor
12				0		Red Brown, Clayey Sand, Dry, No Odor
16				0		Orange, Silty Sand, Moist, No Odor
20				6.2		Orange & Tan, Silty Sand, Moist, No Odor
24				7.4		Orange & Tan, Silty Sand, Moist, No Odor
28*				378		Tan & Purple, Silty Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Dry, No Odor
8			0		Brown, Silty Sand, Dry, No Odor
12			0		Light Brown, Silty Sand, Moist, No Odor
16			10.1		Tan, Silty Sand, Moist, No Odor
20			44.7		Orange & Tan, Silty Sand, Moist, Odor
24			13.2		Orange & Tan, Silty Sand, Moist, Slight Odor
27*			23.6		Orange & Tan, Silty Sand, Wet, Slight Odor
28			630		Grey & Purple, Silty Clay, Moist, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Dry, No Odor
8			0		Brown, Silty Sand, Moist, No Odor
12			0		Light Brown, Silty Sand, Moist, No Odor
16			0		Tan, Silty Sand, Moist, No Odor
20			2.7		Orange, Silty Sand, Moist, No Odor
24			6.3		Orange & Tan, Silty Sand, Moist, No Odor
26*			4.7		Orange & Purple, Silty Sand, Wet, No Odor
28			27.9		Grey & Purple, Silty Clay, Moist, Slight Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Brown, Silty Sand, Moist, No Odor
12				0		Brown, Silty Sand, Moist, No Odor
16				0		Tan, Silty Sand, Moist, No Odor
20				0		Orange & Tan, Silty Sand, Moist, No Odor
24				0		Tan, Silty Sand, Moist, No Odor
28*				4		Red Brown, Tan & Grey, Silty Sand, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Moist, No Odor
8			0		Light Brown, Clayey Sand, Moist, No Odor
12			0		Light Brown, Silty Sand, Moist, No Odor
16			0		Light Brown, Silty Sand, Moist, No Odor
20			0		Light Brown & Grey, Clayey Sand, Moist, No Odor
23*			0		Light Brown & Grey, Silty Sand, Wet, No Odor
24			0		Purple & Grey, Silty Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Moist, No Odor
8				0		Brown, Clayey Sand, Moist, No Odor
12				0		Orange, Silty Sand, Moist, No Odor
16				0		Orange, Silty Sand, Moist, No Odor
20				0		Orange, Silty Sand, Moist, No Odor
23*				0		Orange & Tan, Silty Sand, Wet, No Odor
24				0		Grey Purple, Sandy Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 20'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS In a Junkyard
4			0		Brown, Clayey Sand, Dry, No Odor
8			4.6		Black & Light Brown, Fill Dirt, Dry, No Odor
12			94.7		Grey, Silty Sand, Moist, Odor
16			60.7		Brown & Grey, Silty Sand, Moist, Odor
20*			12.3		Black & Tan, Silty Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 20'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS In a Junkyard
4				0		Grey & Black, Fill Dirt, Moist, No Odor
8				0		Black, Fill Dirt, Moist, No Odor
12				0		Light Brown, Silty Sand, Moist, No Odor
16				0		Grey, Clayey Sand, Moist, No Odor
19*				0		Tan, Silty Sand, Wet, No Odor
20				0		Red & Grey, Silty Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS In a Junkyard
4			0		Black, Fill Dirt, Dry, No Odor
8			0		Black & Grey, Fill Dirt, Dry, No Odor
12			0		Brown, Silty Sand, Moist, No Odor
16			0		Red,Brown & Tan, Clayey Sand, Moist, No Odor
20			0		Orange & Tan, Silty Sand, Moist, No Odor
23*			0		Orange & Tan, Silty Sand, Wet, No Odor
24			0		Orange & Tan, Silty Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/17/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Dry, No Odor
8			0		Red Brown, Clayey Sand, Dry, No Odor
12			0		Red Brown, Clayey Sand, Dry, No Odor
16			0		Orange, Silty Sand, Dry, No Odor
20			0		Tan, Silty Sand, Moist, No Odor
24			1.2		White & Tan,Silty Sand, Moist, No Odor
27*			1.5		White & Tan,Silty Sand, Wet, No Odor
28			2.3		Purple & Grey, Sandy Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/22/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Dry, No Odor
8			0		Brown, Silty Sand, Dry, No Odor
12			0		Brown, Silty Sand, Dry, No Odor
16			0		Orange, Silty Sand, Moist, No Odor
20			1.2		Orange & Tan, Silty Sand, Moist, No Odor
24			3.4		White & Tan, Silty Sand, Moist, No Odor
27*			4.5		White & Tan, Silty Sand, Moist, No Odor
28			5.3		Purple & Grey, Sandy Clay, Moist, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/22/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Dry, No Odor
8			0		Brown, Silty Sand, Dry, No Odor
12			10.2		Brown, Silty Sand, Dry, No Odor
16			12.5		Brown, Silty Sand, Dry, No Odor
20			22.5		Orange & Tan, Silty Sand, Moist, Odor
24			29.2		White,Silty Sand, Moist, Odor
28*			914		White & Tan, Clayey Sand, Wet, Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/22/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Brown, Silty Sand, Dry, No Odor
12				0		Brown, Silty Sand, Dry, No Odor
16				3.2		Brown, Silty Sand, Moist, No Odor
20				5.6		Orange, Silty Sand, Moist, No Odor
24				7.9		White,Silty Sand, Moist, No Odor
28*				12.7		White. Silty Sand, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/22/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Brown, Silty Sand, Dry, No Odor
12				0		Brown, Silty Sand, Dry, No Odor
16				1.4		Light Brown, Silty Sand, Moist, No Odor
20				4.6		Orange & Tan, Silty Sand, Moist, No Odor
24				7.2		White,Silty Sand, Moist, No Odor
28*				10.1		White & Tan, Silty Sand, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/22/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Dry, No Odor
8			0		Brown, Silty Sand, Dry, No Odor
12			0		Brown, Silty Sand, Moist, No Odor
16			0		Light Brown, Silty Sand, Moist, No Odor
20			1.1		Orange, Silty Sand, Moist, No Odor
24			1.2		Orange & White, Silty Sand, Moist, No Odor
28*			2.3		White, Silty Sand, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/22/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 32'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Dry, No Odor
8			0		Brown, Silty Sand, Dry, No Odor
12			0		Brown, Silty Sand, Moist, No Odor
16			0		Brown, Silty Sand, Moist, No Odor
20			0		Tan, Silty Sand, Moist, No Odor
24			0		Grey, Silty Sand, Moist, No Odor
28			0		Grey & Tan, Clayey Sand, Moist, No Odor
32*			0		Grey & Brown, Sandy Clay, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/22/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Dry, No Odor
8			0		Brown, Silty Sand, Dry, No Odor
12			0		Brown, Silty Sand, Moist, No Odor
16			0		Brown, Silty Sand, Moist, No Odor
20			5.1		Orange, Silty Sand, Moist, No Odor
24			6.8		Grey, Silty Sand, Moist, No Odor
28*			37.9		Orange & Tan, Silty Sand, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/22/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				0		Brown, Silty Sand, Dry, No Odor
12				0		Brown, Silty Sand, Dry, No Odor
16				0		Brown, Silty Sand, Moist, No Odor
20				0		Orange, Silty Sand, Moist, No Odor
24				0		Grey, Silty Sand, Moist, No Odor
28*				0		Grey & Tan, Silty Sand, Wet, No Odor

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PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4				0		Brown, Silty Sand, Dry, No Odor
8				1.5		Red Brown, Clayey Sand, Moist, No Odor
12				8.1		Red Brown, Clayey Sand, Moist, No Odor
16				10.8		Orange, Silty Sand, Moist, Slight Odor
20				15.6		Orange, Silty Sand, Moist, Slight Odor
24				41.4		White, Silty Sand, Moist, Odor
27*				1841		Orange & Tan, Silty Sand, Wet, Odor
28				1015		Purple & Orange, Sandy Clay, Moist, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-65	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, Silty Sand, Dry, No Odor
8			0		Brown, Silty Sand, Moist, No Odor
12			1.3		Red Brown, Clayey Sand, Moist, No Odor
16			3.4		Red Brown, Clayey Sand, Moist, No Odor
20			8.4		Orange, Silty Sand, Moist, No Odor
24			18.8		Orange, Silty Sand, Moist, Slight Odor
26*			83.1		Purple & Orange, Silty Sand, Wet, Odor
28			60.7		Purple & Orange, Sandy Clay, Moist, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-66	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0		Brown, White,& Red, Fill Dirt, Dry, No Odor
8					Brown, White,& Red, Fill Dirt, Dry, No Odor
12			0		Brown, Clayey Sand, Moist, No Odor
16			0		Orange Brown, Clayey Sand, Moist, No Odor
20			1.2		Orange Brown, Clayey Sand, Moist, No Odor
24*			2.5		Orange, Silty Sand, Wet, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-67	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 12'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			4.1		Red Brown, Clayey Sand, Moist, No Odor
8*			6.2		Grey & Brown, Clayey Sand, Wet, No Odor
12			14.5		Grey, Sandy Clay, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-68	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 12'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			4		Red Brown, Clayey Sand, Moist, No Odor
8			4.4		Brown & Black, Clayey Sand, Moist/Wet, No Odor
10*			6		Brown & Black, Clayey Sand, Wet, No Odor
12			13.9		Grey, Sandy Clay, Wet, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-69	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 12
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0.8			Brown, Clayey Sand, Moist, No Odor
8		5			Brown, Clayey Sand, Wet, No Odor
12*		3.2			Black, Sandy Clay, Wet, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-70	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 12
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		3.5			Brown, Silty Sand, Moist, No Odor
8		5.9			Black, Silty Sand, Moist/Wet, No Odor
12*		13.7			Brown/Black, Silty Sand, Wet, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-71	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 12
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		1.2			Brown, Silty Sand, Moist, No Odor
8		0			Grey Red & Brown, Sandy Clay, Moist, No Odor
12*		13.7			Grey & Orange, Sandy Clay, Wet, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-72	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0			Brown, Silty Sand, Moist, No Odor
8		0			Red Brown, Silty Sand, Dry, No Odor
12		0			Red Brown, Silty Sand, Dry, No Odor
16		0			Orange, Silty Snad, Moist, No Odor
20		5.6			Tan, Silty Sand, Moist, No Odor
24		12.4			Orange & Grey, Silty Sand, Moist, Slight Odor
28*		104			Orange & Tan, Silty Sand, Wet, Slight Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-73	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0			Red Brown, Silty Sand, Dry, No Odor
8		0			Red Brown, Silty Sand, Dry, No Odor
12		0			Red Brown, Silty Sand, Dry, No Odor
16		1.2			Brown, Silty Sand, Moist, No Odor
20		4.2			Tan, Silty Sand, Moist, No Odor
24		6.4			Tan, Silty Sand, Moist, No Odor
28*		6.5			Purple Grey & Tan, Clayey Sand, Wet, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-74	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0			Red Brown, Silty Sand, Dry, No Odor
8		0			Red Brown, Silty Sand, Dry, No Odor
12		0			Red Brown, Silty Sand, Dry, No Odor
16		0			Orange, Silty Sand, Dry, No Odor
20		1.2			Orange, Silty Sand, Moist, No Odor
24		5.2			Orange, Silty Sand, Moist, No Odor
28*		36.8			Tan Pink & Grey, Silty Sand, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-75	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0			Brown, Silty Sand, Dry, No Odor
8		0			Red Brown, Silty Sand, Dry, No Odor
12		0			Red Brown, Silty Sand, Dry, No Odor
16		0			Orange, Silty Sand, Moist, No Odor
20		0			Orange, Silty Sand, Moist, No Odor
24		0.5			White, Silty Sand, Moist, No Odor
27*		1.4			Grey,Silty Sand, Wet, No Odor
28		3.2			Purple & Grey, Silty Clay, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-76	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0			Brown, Silty Sand, Dry, No Odor
8		0			Red Brown, Silty Sand, Dry, No Odor
12		0			Red Brown, Silty Sand, Dry, No Odor
16		0			Orange, Silty Sand, Dry, No Odor
20		0			Orange, Silty Sand, Moist, No Odor
24		6.2			White, Silty Sand, Moist, No Odor
28*		7.4			Grey & Tan, Clayey Sand, Moist, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-77	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			0			Brown, Silty Sand, Dry, No Odor
8			0			Brown, Silty Sand, Dry, No Odor
12			2.7			Orange & Tan, Silty Sand, Dry, No Odor
16			6.3			Orange, Silty Sand, Moist, No Odor
20			12			Orange, Silty Sand, Moist, Odor
24			25.1			Grey, Silty Sand, Moist, Odor
28*			105			Purple & Grey, Sandy Clay, Wet, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-78	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/23/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0			Brown, Silty Sand, Dry, No Odor
8		0			Brown, Silty Sand, Dry, No Odor
12		0			Tan, Silty Sand, Dry, No Odor
16		4.5			Orange, Silty Sand, Moist, No Odor
20		7.9			Orange, Silty Sand, Moist, No Odor
24		62.3			Grey, Silty Sand, Moist, Odor
27*		184			Purple & Grey, Silty Sand, Wet, Odor
28*		205			Purple & Grey, Sandy Clay, Moist, Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. SB-79	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-12-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: BEAR	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4		0			Brown, Clayey Sand, Dry, No Odor
8		0			Brown, Clayey Sand, Dry, No Odor
12		0			Light Brown, Silty Sand, Dry, No Odor
16		0			Tan, Silty Sand, Moist, No Odor
20		0			Orange, Silty Sand, Moist, No Odor
24		0			Orange & Tan, Silty Sand, Moist, No Odor
28*		0			White & Orange, Silty Sand, Wet, No Odor

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-1	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 31'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
31						H2O

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-2	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-04-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 26'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
26				H2O	

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-3	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
24					H2O

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-4	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 14'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
14					H2O

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-5	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 14'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
14				H2O	

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-6	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 24'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
24						H2O

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-7	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
28					H2O	

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-8	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
28					H2O

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-9	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 28'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE	NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
28						H2O

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-10	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 14'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
14					Dry

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. WS-10a	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 16'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
16					Water Sample

Consultech Environmental, Inc. 1800 MacLeod Drive, Suite F Lawrenceville, GA 30043	SOIL BORING No. DSB-1	PAGE 1 OF 1

PROJECT: C-04-12-008 & C-009	LOCATION:
DATE INSTALLED: 2/24/05	ELEVATION: TOC:
DRILLING METHOD: Geoprobe	TOTAL DEPTH OF BORING: 64'
DRILLING COMPANY: Bear	BORING:
DRILLER: Kevin	DEPTH TO WATER FROM TOC:
SAMPLER TYPE: Direct Push	LOGGED BY: Rob Robinson

DEPTH (ft)	SAMPLE NUMBER	BLOWS /6"	PID / FID (ppm)	USCS (sym)	GEOLOGIC DESCRIPTION / COMMENTS
4			4.3		Brown, Clayey Sand, Dry, No Odor
8			6.5		Brown, Clayey Sand, Dry, No Odor
12			8.6		Light Brown, Silty Sand, Moist, No Odor
16			12.4		Orange, Silty Sand, Moist, No Odor
20			20.1		Orange, Silty Sand, Moist, Slight Odor
24			60.7		Tan & White, Silty Sand, Moist, Odor
28			387		Tan & White, Silty Sand, Moist, Odor
32			1923		Purple & Grey, Clayey Sand, Wet, Odor
36			1975		Purple & Grey, Sandy Clay, Moist, Odor
40			1342		Purple & Grey, Sandy Clay, Moist, Odor
44			1219		Purple & Grey, Silty Sand, Moist, Odor
48			987		Grey & Tan, Silty Sand, Wet, Odor
52			875		Grey & Tan, Silty Sand, Wet, Odor
56			912		Tan, Silty Sand, Wet, Odor
60			443		Tan & Purple& Grey, Silty Sand, Wet, Odor
64			195		Red & Tan & Purple, Sandy Clay, Moist, Odor

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-27 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Light Brown Clavey Sand	12	12
Grey Sandy Clay	4	16
Orange Clavey Sand	4	20
Grey Sandy Clay	10	30
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-27

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/7/05

30 ft Date Completed: 4/7/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 15 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 15 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 17 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 13 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 13 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-28 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clayey Sand	12	12
Grey Sandy Clay	4	16
Orange Clayey Sand	4	20
Grey Clayey Sand	4	24
Grey Sandy Clay	6	30
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-28

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/6/05

30 ft Date Completed: 4/6/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 15 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 15 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 19 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 13 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 13 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-29 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clayey Sand	20	20
Grey Clayey Sand	4	24
Grey Sandy Clay	6	30
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-29

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/6/05

30 ft Date Completed: 4/6/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 15 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight _____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 15 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 19 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 13 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 13 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type _____
Well Disinfected [ ] Yes [ ] No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not installed [ ]
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft Capacity _____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-30 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clayey Sand	24	24
Grey Sandy Clay	6	30
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-30

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/7/05

30 ft Date Completed: 4/7/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 15 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight _____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 15 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 23 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 13 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 13 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ ft ___ direction
Type _____
Well Disinfected [ ] Yes [ ] No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not installed [ ]
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft Capacity _____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-31 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clavey Sand	16	16
Tan Silty Sand	11	27
Grey Sandy Clay	1	28
Red Brown Silty Sand	7	35
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-31

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/7/05

35 ft Date Completed: 4/7/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-32 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clayey Sand	8	8
Grey Clayey Sand	22	30
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-32

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/7/05

30 ft Date Completed: 4/7/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 15 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 15 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 24 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping_____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 13 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 13 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____ Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-33 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clayey Sand	12	12
Tan Silty Sand	16	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-33

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/8/05

35 ft Date Completed: 4/8/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 26 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping_____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____ Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-34 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Red Brown Clayey Sand	12	12
Tan Silty Sand	15	27
Grey Clayey Sand	1	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-34

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/8/05

35 ft Date Completed: 4/8/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____ Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-35 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Red Brown Clavey Sand	12	12
Tan Silty Sand	16	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-35

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/8/05

35 ft Date Completed: 4/8/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 26 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping_____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____ Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-36 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Clavey Sand	16	16
Tan Silty Sand	12	28
Purple Grey Sandy Clay	7	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-36

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/8/05

35 ft Date Completed: 4/8/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 26 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-37 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	12	12
Tan Silty Sand	16	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-37

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/8/05

35 ft Date Completed: 4/8/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 26 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-38 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	16	16
Tan Silty Sand	12	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-38

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/4/05

35 ft Date Completed: 4/4/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-39 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	16	16
Tan Silty Sand	8	24
White & Tan Clavey Sand	4	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-39

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/5/05

35 ft Date Completed: 4/5/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 28 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping_____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____ Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C

PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-40 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	4	4
Red Brown Clayey Sand	8	12
Tan Silty Sand	15	27
Grey Sandy Clay	8	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-40

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/5/05

35 ft Date Completed: 4/5/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X] Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight _____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ ft ___ direction
Type _____
Well Disinfected [ ] Yes [ ] No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not installed [ ]
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft Capacity _____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-41 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	24	24
Tan Clayey Sand	4	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-41

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/4/05

35 ft Date Completed: 4/4/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 27 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping_____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____ Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-42 **COUNTY: Richland**
Name: Handy Pantry #65

Street Address: 2367 Taylor St
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	24	24
Tan Clavey Sand	4	28
Grey Sandy Clay	7	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18941 MW-42

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 4/4/05

35 ft Date Completed: 4/4/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15
Set Between: 20 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 28 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-43 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Road
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	8	8
Tan Silty Sand	16	24
Grey Sandy Clay	16	40
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-43

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/25/05

40 ft Date Completed: 3/25/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 20 ft depth
_____in. to _____ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20
Set Between: 20 ft and 40 ft **NOTE: MULTIPLE SCREENS**
_____ft and _____ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 28 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 18 ft. to 40 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 18 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-44 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Road
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	8	8
Tan Silty Sand	16	24
Grey Sandy Clay	7	31
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-44

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/25/05

31 ft Date Completed: 3/25/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 11 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20
Set Between: 11 ft and 31 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 28 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 9 ft. to 31 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other_____
Depth: From 0.5 ft to 9 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____ Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-45 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Road
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	8	8
Tan Silty Sand	16	24
Grey Sandy Clay	6	30
* Indicate Water Bearing Zones		
Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-45

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/28/05

30 ft Date Completed: 3/28/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 10 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20
Set Between: 10 ft and 30 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 24 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 8 ft. to 30 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 8 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____ Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ ft Capacity_____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-46 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Road
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	8	8
Tan Silty Sand	16	24
Grey Sandy Clay	6	30
Tan Clayey Sand	5	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-46

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/31/05

35 ft Date Completed: 3/31/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 15 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight _____ lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20
Set Between: 15 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 26 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 13 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 13 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ___ ft ___ direction
Type _____
Well Disinfected [ ] Yes [ ] No Type: _____ Amount: _____

18. PUMP: Date Installed: _____ Not installed [ ]
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft Capacity _____ gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: SCDHEC

Address: 2600 Bull Street

City: Columbia State: SC Zip: 29201-1708

Telephone: Work: (803) 898-4300 Home:

2. LOCATION OF WELL: MW-47 **COUNTY: Richland**
Name: Clouds Chevron

Street Address: 1600 Two Notch Rd.
City: Columbia, SC Zip: 29301

Latitude: 34° 0' 46" Longitude: 81° 0' 57"

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: [ ] Yes [ ] No

Grouted Depth: from_____ft. to _____ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Sand	8	8
Red Brown Clavey Sand	8	16
Orange Silty Sand	10	26
Orange Sandy Clay	9	35
* Indicate Water Bearing Zones Use a 2nd sheet if needed		

5. REMARKS:

6. PERMIT NUMBER: UMW-18942 MW-47

7. USE:
[ ] Residential [ ] Public Supply [ ] Process
[ ] Irrigation [ ] Air Conditioning [ ] Emergency
[ ] Test Well [X] Monitor Well [ ] Replacement

8. WELL DEPTH (completed) Date Started: 3/30/05

35 ft Date Completed: 3/30/05

9. TYPE [ ] Mud Rotary [ ] Jetted [ ] Bored
[ ] Dug [ ] Air Rotary [ ] Driven
[ ] Cable Tool [X] H.S.A. [ ] Other

10. CASING: [X]Threaded [ ] Welded
Diam.: 2"
Type: [X] PVC [ ] Galvanized
[ ] Steel [ ] Other
2" in. to 15 ft depth
_____ in. to _____ ft depth

Height: Above/Below
Surface Flush ft
Weight_____lb/ft
Drive Shoe? [ ] Yes [ ] No

11. SCREEN
Type PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20
Set Between: 15 ft and 35 ft **NOTE: MULTIPLE SCREENS**
_____ ft and _____ ft **USE SECOND SHEET**

Sieve Analysis [ ] Yes (please enclose) [ ] No

12. STATIC WATER LEVEL 24 below land surface after 24 hrs

13. PUMPING LEVEL Below Land Surface.

_____ft. after _____hrs. Pumping_____G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _____

14. WATER QUALITY
Chemical Analysis [ ] Yes [ ] No Bacterial Analysis [ ] Yes [ ] No
Please enclose lab results

15. ARTIFICAL FILTER (filter pack) [X] Yes [ ] No
Installed from 13 ft. to 35 ft
Effective size 20/30 Uniformity Coefficient_____

16. WELL GROUTED? [X] Yes [ ] No
[ ] Neat Cement [ ] Bentonite [X] Bentonite/Cement [ ] Other _____
Depth: From 0.5 ft to 13 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: __ft___ direction
Type_____
Well Disinfected [ ] Yes [ ] No Type:_____Amount:_____

18. PUMP: Date Installed:_____ Not installed [ ]
Mfr. Name:_____ Model No.:_____
H.P._____ Volts_____ Length of drop pipe_____ft Capacity_____gpm
TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

19. WELL DRILLER: Joe Smith **CERT. NO: 1648**
Address: 4850 Sugarloaf Pkwy, Ste 209, #329, Lawrenceville, GA 30044
Telephone No.: 678-377-5336 Fax No.: 678-377-5336

20. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 5/02/05
Authorized Representative