Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 17

Page 1 of 1
Replaces Date: 11/07/14
Effective Date: 04/30/15

Sample Receipt Checklist (SRC)

Client: Terry Env. Cooler Inspected by/date: mem 4/30/15 Lot #: QD30033

Means of receipt: ☐ SESI ☑ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other

Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?

Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt:
2010 / 2.4/2.4 °C ____ / 2.7/2.7 °C ____ / ____ / ____ °C ____ / ____ / ____ °C
Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: 45 IR Gun Correction Factor: 0.0 °C
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☑		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☐	No ☑		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑		17. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		24. Was the quote number used taken from the container label?

mem 4/30/15

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) using SR # _____.

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L. (If #21 is No)

SC Drinking Water Project Sample(s) pH verified to be > 2 by _____ Date: _____

Sample(s) _____ were not received at a pH of <2 and were adjusted accordingly using SR# _____

Sample labels applied by: mem Verified by: _____ Date: 4/30/15

Comments:
two vials from sample 012 were broken in SR

SHEALY **Chain of Custody Record**

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 47984

Client: Terry Environmental	Report to Contact: Kelly Cone	Telephone No. / E-mail: 843-873-8200	Quote No.
Address: P.O. Box 25	Sampler's Signature: x Jennings Kerr	Analysis (Attach list if more space is needed)	Page 1 of 7
City: Summerville; State: SC; Zip Code: 29484	Printed Name: Jennings Kerr		QD30033
Project Name: Fr. 111 Cricket #339			
Project No.: 2170J	P.O. No.		

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Grab Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No of Containers by Preservative Type: Liquid	HSSO4	HNO3	HCl	NaOH	SO3 Kit	BTEX, Naph, MTBE, 1+2DCA, OXY, Eth		Remarks / Cooler I.D.
07303-MW3	4/29	1754	G							6			3	3	
07303-MW5R		1549													
07303-MW9		1824													
07303-MW10		1911													
07303-MW11	4/27	1509													
07303-MW12		1451													
07303-MW13	4/29	1712													
07303-MW14	4/27	1528													
07303-MW15	4/29	1429													
07303-MW16		1649													

Turn Around Time Required (Prior lab approval required for expedited TAT.)	Sample Disposal	Possible Hazard Identification	QC Requirements (Specify)
☒ Standard ☐ Rush (Specify)	☐ Return to Client ☒ Disposal by Lab	☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown	

	Date	Time		Date	Time
1. Relinquished by: Jennings Kerr	4/30	1840	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: [signature]	4/30/15	1840

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 24 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 06-01-2014

APPENDIX C

Tax Map
(Not Applicable)

APPENDIX D

Soil Boring/Field Screening Logs
(Not Applicable)

APPENDIX E

Well Completion Logs/SCDHEC 1903 Forms
(Not Applicable)

APPENDIX F

Aquifer Evaluation Forms
(Not Applicable)

APPENDIX G

Disposal Manifest

TERRY Environmental Services, Inc.

Certificate of On-Site Treatment

In accordance with NPDES General Permit No. SCG830000, 237 gallons of petroleum contaminated purge water and/or by-products from cleaning and decontamination were processed on-site via a portable granular activated carbon (GAC) unit and released to the surface within the area of the known petroleum contamination plume on April 28-30, 2015.

Former Li'l Cricket #339

Seneca, South Carolina

SCDHEC UST Permit No.: 07303

TERRY Environmental Services
CLIENTS FIRST ALWAYS

APPENDIX H

Local Zoning Regulations
(Not Applicable)

APPENDIX I

Fate and Transport Modeling Data
(Not Applicable)

APPENDIX J

Access Agreements
(Not Applicable)

APPENDIX K

Data Verification Checklist

Contractor Checklist –Former Li'l Cricket #339

UST Permit #07303 - TERRY Project #2170J

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			X
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?	X		
7	Has the facility history been summarized?	X		
8	Has the regional geology and hydrogeology been described?	X		
9	Are the receptor survey results provided as required?			X
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?	X		
12	Has the primary soil type been described?	Sect. 3		
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?			X
17	Has the method of well development been detailed?			X
18	Has justification been provided for the locations of the monitoring wells?			X
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	X		
20	Has the groundwater sampling methodology been detailed?	X		
21	Have the groundwater sampling dates and groundwater measurements been provided?	X		
22	Has the purging methodology been detailed?	X		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?	X		
24	If free-product is present, has the thickness been provided?			X
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	X		
34	Has the current and historical laboratory data been provided in tabular format?	X		

Item #	Item	Yes	No	N/A
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			X
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)	X Fig 4		X Fig 3
40	Has the site potentiometric map been provided? (Figure 5)	X		
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	X		
45	Is the laboratory performing the analyses properly certified?	X		
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)			X
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			X
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	X		

Explanation for missing and incomplete information?

Not Applicable for the current directive.

Former Lil Cricket #339
UST Permit #07303

Joel
UST
#41
Tech
DOCKETING

	Tier I	Tier II	AR	AR	AR	AR
MW-3	10/1/08	2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW	41.28	41.54	nm	38.78	nm	nm
Benzene	**9**	2	ns	2	ns	ns
Toluene	<1	<1		56		
Ethylbenzene	4	<1		46		
Xylenes	7	<3		510		
MTBE	**57**	**56**		<1		
Naphthalene	4	<5		**170**		
Lead	14	5		12		
DCA	<1	<1		<1		
EDB	<0.01	<0.01		<0.02		
DIPE	na	3		<10		
TAA	na	46		<100		
TAME	na	7		<10		
TBA	na	103		<100		

MW-5R	10/1/08	2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW	59.55	53.20	nm	38.63	nm	nm
Benzene	ns	<1	ns	<1	ns	ns
Toluene		<1		<1		
Ethylbenzene		<1		<1		
Xylenes		<3		<3		
MTBE		1		<1		
Naphthalene		<5		<5		
Lead		<1		<1		
DCA		<1		<1		
EDB		<0.01		<0.02		
DIPE		<5		<10		
TAA		<20		<100		
TAME		<5		<10		
TBA		<10		<100		

MW-9	10/1/08	2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW	40.81	40.44	nm	37.05	nm	nm
Benzene	**2820**	**3020**	ns		ns	ns
Toluene	**4860**	**4180**				
Ethylbenzene	**1140**	**1150**				
Xylenes	4720	4370				
MTBE	**9050**	**8630**				
Naphthalene	**357**	**393**				
Lead	**160**	14				
DCA	**<50**	**52**				
EDB	**197.00**	**0.07**				
DIPE	na	**247**				
TAA	na	**<1000**				
TAME	na	**438**				
TBA	na	**3450**				

MW-10	10/1/08	2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW	**FP**	**FP**	nm	**FP**	nm	nm
Benzene	(0.33')	(0.10')	ns	(0.02')	ns	ns
Toluene						
Ethylbenzene						
Xylenes						
MTBE						
Naphthalene						
Lead						
DCA						
EDB						
DIPE						
TAA						
TAME						
TBA						

MW-11		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW		43.31	nm	40.65	nm	nm
Benzene		<1	ns	<1	ns	ns
Toluene		<1		<1		
Ethylbenzene		<1		<1		
Xylenes		<3		<3		
MTBE		1		1		
Naphthalene		<5		<5		
Lead		14		13		
DCA		<1		<1		
EDB		<0.01		<0.02		
DIPE		<5		<10		
TAA		<20		<100		
TAME		<5		<10		
TBA		<10		<100		

MW-12		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW		45.39	nm	42.86	nm	nm
Benzene		<1	ns	<1	ns	ns
Toluene		<1		<1		
Ethylbenzene		<1		<1		
Xylenes		<3		<3		
MTBE		25		22		
Naphthalene		<5		<5		
Lead		4		13		
DCA		<1		<1		
EDB		<0.01		<0.02		
DIPE		1		<10		
TAA		<20		<100		
TAME		<5		<10		
TBA		<10		<100		

MW-13		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW		45.34	nm	42.93	nm	nm
Benzene		<1	ns	**72**	ns	ns
Toluene		<1		7		
Ethylbenzene		<1		18		
Xylenes		36		13		
MTBE		17		**180**		
Naphthalene		10		<5		
Lead		<15		6		
DCA		<1		<1		
EDB		<0.01		<0.02		
DIPE		1		12		
TAA		<20		170		
TAME		<5		<10		
TBA		17		960		

MW-14		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW		49.58	nm	47.29	nm	nm
Benzene		<1	ns	<1	ns	ns
Toluene		<1		<1		
Ethylbenzene		<1		<1		
Xylenes		<3		<3		
MTBE		2		<1		
Naphthalene		<5		<5		
Lead		4		14		
DCA		<1		<1		
EDB		<0.01		<0.02		
DIPE		<5		<10		
TAA		<20		<100		
TAME		<5		<10		
TBA		<10		<100		

MW-15		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW		47.05	nm	44.64	nm	nm
Benzene		**822**	ns	**770**	ns	ns
Toluene		**1420**		940		
Ethylbenzene		417		510		
Xylenes		1550		2500		
MTBE		**1320**		**1200**		
Naphthalene		**143**		**190**		
Lead		5		8		
DCA		<20		<1		
EDB		<0.01		<0.02		
DIPE		41		**59**		
TAA		**<400**		**1600**		
TAME		**141**		73		
TBA		**2150**		**2300**		

MW-16		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW		42.08	nm	39.09	nm	nm
Benzene		**183**	ns	**60**	ns	ns
Toluene		85		5		
Ethylbenzene		57		5		
Xylenes		107		18		
MTBE		**542**		**200**		
Naphthalene		<25		9		
Lead		4		2		
DCA		9		<1		
EDB		0.02		<0.02		
DIPE		29		13		
TAA		237		<100		
TAME		39		<10		
TBA		114		<100		

MW-17		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW		41.43	nm	38.29	nm	nm
Benzene		**106**	ns	**51**	ns	ns
Toluene		16		<1		
Ethylbenzene		55		7		
Xylenes		84		<3		
MTBE		**463**		**220**		
Naphthalene		<25		13		
Lead		<15		2		
DCA		<5		<1		
EDB		<0.01		<0.02		
DIPE		24		12		
TAA		<100		<100		
TAME		<10		<10		
TBA		<100		<100		

MW-18		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW		40.90	nm	37.93	nm	nm
Benzene		**255**	ns	**370**	ns	ns
Toluene		73		340		
Ethylbenzene		109		140		
Xylenes		458		1400		
MTBE		**689**		**930**		
Naphthalene		<25		**110**		
Lead		6		1		
DCA		**7**		<1		
EDB		0.01		<0.02		
DIPE		38		65		
TAA		143		<100		
TAME		44		35		
TBA		123		390		

MW-19		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW		40.33	nm	**FP**	nm	nm
Benzene		**3110**	ns	(0.05')	ns	ns
Toluene		**9000**				
Ethylbenzene		**1330**				
Xylenes		5410				
MTBE		**12100**				
Naphthalene		**682**				
Lead		**100**				
DCA		**<100**				
EDB		**6.49**				
DIPE		**323**				
TAA		**<2000**				
TAME		**804**				
TBA		**7480**				

MW-20		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW		43.12	nm	**FP**	nm	nm
Benzene		**1340**	ns	(0.10')	ns	ns
Toluene		**1840**				
Ethylbenzene		**1040**				
Xylenes		2670				
MTBE		**6230**				
Naphthalene		**602**				
Lead		**53**				
DCA		**<100**				
EDB		**1.61**				
DIPE		**146**				
TAA		**8450**				
TAME		**676**				
TBA		**16300**				

MW-21			6/22/09	2/25/11	3/24/11	5/5/11
DTW			49.56	48.61	nm	nm
Benzene			<1	<1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			<1	<1		
Naphthalene			<5	<5		
Lead			na	**29**		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-22			6/22/09	2/25/11	3/24/11	5/5/11
DTW			48.02	47.74	nm	nm
Benzene			<1	<1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			<1	<1		
Naphthalene			<5	<5		
Lead			na	**15**		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-23			6/22/09	2/25/11	3/24/11	5/5/11
DTW			48.52	48.38	nm	nm
Benzene			<1	**46**	ns	ns
Toluene			<1	5		
Ethylbenzene			<1	40		
Xylenes			<3	<3		
MTBE			<1	**140**		
Naphthalene			<5	**73**		
Lead			na	11		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	120		
TAME			na	<10		
TBA			na	360		

MW-24			6/22/09	2/25/11	3/24/11	5/5/11
DTW			48.43	48.32	nm	nm
Benzene			**233**	**38**	ns	ns
Toluene			195	63		
Ethylbenzene			**1040**	460		
Xylenes			2990	760		
MTBE			19	<1		
Naphthalene			**312**	**200**		
Lead			na	11		
DCA			**<20**	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-25			6/22/09	2/25/11	3/24/11	5/5/11
DTW			46.31	46.31	nm	nm
Benzene			**299**	**300**	ns	ns
Toluene			66	17		
Ethylbenzene			635	420		
Xylenes			1260	560		
MTBE			**103**	**250**		
Naphthalene			**226**	**190**		
Lead			na	2		
DCA			**<10**	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	**290**		
TAME			na	<10		
TBA			. na	530		

MW-26			6/22/09	2/25/11	3/24/11	5/5/11
DTW			43.96	44.06	nm	nm
Benzene			**399**	**2300**	ns	ns
Toluene			119	63		
Ethylbenzene			335	**1700**		
Xylenes			1160	2600		
MTBE			**156**	**520**		
Naphthalene			**165**	**490**		
Lead			na	**30**		
DCA			**<10**	<1		
EDB			<0.01	<0.02		
DIPE			na	58		
TAA			na	**2300**		
TAME			na	48		
TBA			na	**2100**		

MW-27			6/22/09	2/25/11	3/24/11	5/5/11
DTW			46.59	45.99	nm	nm
Benzene			**500**	**510**	ns	ns
Toluene			13	50		
Ethylbenzene			261	**1400**		
Xylenes			97	660		
MTBE			**1060**	28		
Naphthalene			**61**	**550**		
Lead			na	**37**		
DCA			**<10**	**<1**		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-28			6/22/09	2/25/11	3/24/11	5/5/11
DTW			48.87	48.28	nm	nm
Benzene			<1	<1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			1	**54**		
Naphthalene			4	6		
Lead			na	**20**		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-29			6/22/09	2/25/11	3/24/11	5/5/11
DTW			46.43	46.96	nm	nm
Benzene			**14**	**<20**	ns	ns
Toluene			11	53		
Ethylbenzene			65	120		
Xylenes			302	270		
MTBE			**44**	<20		
Naphthalene			**29**	**<100**		
Lead			na	6		
DCA			**4**	**<20**		
EDB			<0.01	<0.02		
DIPE			na	**<200**		
TAA			na	**<2000**		
TAME			na	**<200**		
TBA			na	**<2000**		

MW-30			6/22/09	2/25/11	3/24/11	5/5/11
DTW			40.72	39.18	nm	nm
Benzene			3	2	ns	ns
Toluene			<1	<1		
Ethylbenzene			1	<1		
Xylenes			<3	<3		
MTBE			31	6		
Naphthalene			<5	<5		
Lead			na	<1		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-31			6/22/09	2/25/11	3/24/11	5/5/11
DTW			32.82	31.98	nm	nm
Benzene			<1	<1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			<1	<1		
Naphthalene			<5	<5		
Lead			na	8		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-32			6/22/09	2/25/11	3/24/11	5/5/11
DTW			34.86	33.66	nm	nm
Benzene			<1	<1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			<1	<1		
Naphthalene			<5	<5		
Lead			na	12		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-33			6/22/09	2/25/11	3/24/11	5/5/11
DTW			36.67	35.39	nm	nm
Benzene			<1	<1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	5		
Xylenes			<3	8		
MTBE			<1	<1		
Naphthalene			<5	15		
Lead			na	**32**		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-34			6/22/09	2/25/11	3/24/11	5/5/11
DTW			39.61	38.27	nm	nm
Benzene			<1	<1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			<1	<1		
Naphthalene			<5	<5		
Lead			na	**35**		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-35			6/22/09	2/25/11	3/24/11	5/5/11
DTW			40.48	39.17	nm	nm
Benzene			<1	<1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			<1	<1		
Naphthalene			<5	<5		
Lead			na	**23**		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-36			6/22/09	2/25/11	3/24/11	5/5/11
DTW			40.42	39.28	nm	nm
Benzene			<1	<1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			<1	<1		
Naphthalene			<5	<5		
Lead			na	4		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-37			6/22/09	2/25/11	3/24/11	5/5/11
DTW			35.92	34.90	nm	nm
Benzene			<1	<1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			<1	<1		
Naphthalene			<5	<5		
Lead			na	**26**		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-38			6/22/09	2/25/11	3/24/11	5/5/11
DTW			34.61	33.69	nm	nm
Benzene			<1	<1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			<1	<1		
Naphthalene			<5	<5		
Lead			na	11		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-39				2/25/11	3/24/11	5/5/11
DTW				48.39	nm	nm
Benzene				1	ns	ns
Toluene				<1		
Ethylbenzene				<1		
Xylenes				<3		
MTBE				5		
Naphthalene				<5		
Lead				**20**		
DCA				<1		
EDB				<0.02		
DIPE				<10		
TAA				<100		
TAME				<10		
TBA				<100		

MW-40				2/25/11	3/24/11	5/5/11
DTW				14.64	nm	nm
Benzene				<1	ns	ns
Toluene				<1		
Ethylbenzene				<1		
Xylenes				<3		
MTBE				<1		
Naphthalene				<5		
Lead				**50**		
DCA				<1		
EDB				<0.02		
DIPE				<10		
TAA				<100		
TAME				<10		
TBA				<100		

MW-41					3/24/11	5/5/11
DTW					46.40	nm
Benzene					**81**	ns
Toluene					<5	
Ethylbenzene					<5	
Xylenes					<5	
MTBE					**94**	
Naphthalene					6	
Lead					**24**	
DCA					<5	
EDB					<0.02	
DIPE					<10	
TAA					<100	
TAME					<10	
TBA					250	

MW-42				2/25/11	3/24/11	5/5/11
DTW				9.13	nm	nm
Benzene				<1	ns	ns
Toluene				<1		
Ethylbenzene				<1		
Xylenes				<3		
MTBE				<1		
Naphthalene				<5		
Lead				11		
DCA				<1		
EDB				<0.02		
DIPE				<10		
TAA				<100		
TAME				<10		
TBA				<100		

MW-43					3/24/11	5/5/11
DTW					43.89	nm
Benzene					<5	ns
Toluene					<5	
Ethylbenzene					<5	
Xylenes					<5	
MTBE					<5	
Naphthalene					<5	
Lead					12	
DCA					<5	
EDB					<0.02	
DIPE					<10	
TAA					<100	
TAME					<10	
TBA					<100	

MW-44				2/25/11	3/24/11	5/5/11
DTW				45.36	nm	nm
Benzene				<1	ns	ns
Toluene				<1		
Ethylbenzene				<1		
Xylenes				<3		
MTBE				<1		
Naphthalene				<5		
Lead				23		
DCA				<5		
EDB				<0.02		
DIPE				<10		
TAA				<100		
TAME				<10		
TBA				<100		

MW-45				2/25/11	3/24/11	5/5/11
DTW				46.19	nm	nm
Benzene				<1	ns	ns
Toluene				<1		
Ethylbenzene				<1		
Xylenes				<3		
MTBE				1		
Naphthalene				<5		
Lead				31		
DCA				<5		
EDB				<0.02		
DIPE				<10		
TAA				<100		
TAME				<10		
TBA				<100		

MW-46				2/25/11	3/24/11	5/5/11
DTW				44.75	nm	nm
Benzene				<1	ns	ns
Toluene				<1		
Ethylbenzene				<1		
Xylenes				<3		
MTBE				<1		
Naphthalene				<5		
Lead				5		
DCA				<5		
EDB				<0.02		
DIPE				<10		
TAA				<100		
TAME				<10		
TBA				<100		

MW-47				2/25/11	3/24/11	5/5/11
DTW				36.62	nm	nm
Benzene				<1	ns	ns
Toluene				<1		
Ethylbenzene				<1		
Xylenes				<3		
MTBE				<1		
Naphthalene				<5		
Lead				3		
DCA				<5		
EDB				<0.02		
DIPE				<10		
TAA				<100		
TAME				<10		
TBA				<100		

MW-48				2/25/11	3/24/11	5/5/11
DTW				4.01	nm	nm
Benzene				<1	ns	ns
Toluene				<1		
Ethylbenzene				<1		
Xylenes				<3		
MTBE				<1		
Naphthalene				<5		
Lead				**144**		
DCA				<5		
EDB				<0.02		
DIPE				<10		
TAA				<100		
TAME				<10		
TBA				<100		

DW-1		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW		47.91	nm	45.34	nm	nm
Benzene		2	ns	3	ns	ns
Toluene		1		<1		
Ethylbenzene		<1		<1		
Xylenes		<3		<3		
MTBE		**47**		**330**		
Naphthalene		<5		<5		
Lead		<1		<1		
DCA		<1		<1		
EDB		<0.01		<0.02		
DIPE		2		<10		
TAA		<20		<100		
TAME		7		<10		
TBA		43		<100		

DW-2		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW		44.15	nm	41.68	nm	nm
Benzene		3	ns	<1	ns	ns
Toluene		<1		<1		
Ethylbenzene		<1		<1		
Xylenes		<3		<3		
MTBE		**51**		26		
Naphthalene		<5		8		
Lead		**15**		1		
DCA		<1		<1		
EDB		<0.01		<0.02		
DIPE		2		<10		
TAA		<20		<100		
TAME		7		<10		
TBA		15		<100		

DW-3		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW		42.12	nm	40.06	nm	nm
Benzene		**7**	ns	**5**	ns	ns
Toluene		2		3		
Ethylbenzene		<2		<1		
Xylenes		<6		<3		
MTBE		**279**		**310**		
Naphthalene		<10		<5		
Lead		**<75**		4		
DCA		3		<1		
EDB		<0.01		<0.02		
DIPE		14		<10		
TAA		77		<100		
TAME		16		<10		
TBA		43		<100		

DW-5			6/22/09	2/25/11	3/24/11	5/5/11
DTW			45.55	61.27	nm	nm
Benzene			2	<1	ns	ns
Toluene			1	<1		
Ethylbenzene			2	<1		
Xylenes			1	<3		
MTBE			2	<1		
Naphthalene			<5	<5		
Lead			na	<1		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

DW-6			6/22/09	2/25/11	3/24/11	5/5/11
DTW			63.39	49.98	nm	nm
Benzene			<1	<1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			<1	<1		
Naphthalene			<5	<5		
Lead			na	14		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

DW-7			6/22/09	2/25/11	3/24/11	5/5/11
DTW			113.41	46.27	nm	nm
Benzene			<1	<5	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			<1	3		
Naphthalene			<5	<5		
Lead			na	3		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

DW-9			6/22/09	2/25/11	3/24/11	5/5/11
DTW			37.64	36.34	nm	nm
Benzene			<1	<1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			1	2		
Naphthalene			<5	<5		
Lead			na	4		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

DW-10			6/22/09	2/25/11	3/24/11	5/5/11
DTW			37.84	36.86	nm	nm
Benzene			<1	1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			1	<1		
Naphthalene			<5	<5		
Lead			na	3		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

DW-11						5/5/11
DTW						46.10
Benzene						**13**
Toluene						<1
Ethylbenzene						<1
Xylenes						<3
MTBE						**670**
Naphthalene						<5
Lead						<1
DCA						<5
EDB						<0.02
DIPE						17
TAA						**710**
TAME						11
TBA						**1400**

RW-1						
DTW						
Benzene						
Toluene						
Ethylbenzene						
Xylenes						
MTBE						
Naphthalene						
Lead						
DCA						
EDB						
DIPE						
TAA						
TAME						
TBA						

RW-2						
DTW						
Benzene						
Toluene						
Ethylbenzene						
Xylenes						
MTBE						
Naphthalene						
Lead						
DCA						
EDB						
DIPE						
TAA						
TAME						
TBA						

RW-3						
DTW						
Benzene						
Toluene						
Ethylbenzene						
Xylenes						
MTBE						
Naphthalene						
Lead						
DCA						
EDB						
DIPE						
TAA						
TAME						
TBA						

RW-4						
DTW						
Benzene						
Toluene						
Ethylbenzene						
Xylenes						
MTBE						
Naphthalene						
Lead						
DCA						
EDB						
DIPE						
TAA						
TAME						
TBA						

SW-1						5/5/11
DTW						

Benzene						<1
Toluene						<1
Ethylbenzene						<1
Xylenes						<3
MTBE						8
Naphthalene						<5
Lead						na
DCA						na
EDB						na
DIPE						na
TAA						na
TAME						na
TBA						na

SW-2						5/5/11
DTW						
Benzene						<1
Toluene						<1
Ethylbenzene						<1
Xylenes						<3
MTBE						<1
Naphthalene						<5
Lead						na
DCA						na
EDB						na
DIPE						na
TAA						na
TAME						na
TBA						na

nm- not measured
ns- not sampled
na- not analyzed
nd- not detected
FP- free-phase product

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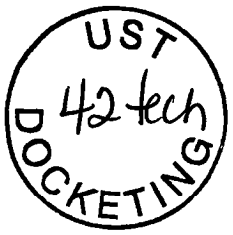
W. Marshall Taylor Jr., Acting Director
Promoting and protecting the health of the public and the environment

JUN 1 1 2015

MR GORDON ZUBER
LIL CRICKET CONVENIENCE STORES INC
PO BOX 4551
SPARTANBURG SC 29305



Re: Aggressive fluid and vapor recovery (AFVR) directive
Former Li'l Cricket #339, 800 North West First Street, Seneca, SC
UST Permit #07303; CA #50394
Release reported April 27, 1989
Oconee County

Dear Mr. Zuber:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (Agency) recognizes your commitment to continue work at this site using Terry Environmental Services, Inc. The next appropriate remedial activity is to continue aggressive fluid and vapor recovery (AFVR) to reduce petroleum chemicals of concern (CoC) in the groundwater. The last AFVR events conducted in January 2015 on source area monitoring and recovery wells removed 3000 gallons of petroleum contact water and approximately 8 equivalent gallons of petroleum vapor from the site. Please have your contractor conduct one 96-hour event on monitoring and recovery wells MW-20 and RW-2, and one 96-hour event on MW-19. The events must be conducted in accordance with Quality Assurance Program Plan (QAPP) Revision 2.0. A copy of QAPP Revision 2.0 is available at http://www.scdhec.gov/environment/docs/QAPP_Rev-2_April2013.pdf.

Please notify the UST Management Division prior to commencing AFVR at the site. The stinger(s) must be advanced to a target depth of 45 feet within the first 8 hours of each event. Thereafter, the stinger should be adjusted to achieve the highest vapor recovery while maintaining dewatering of the smear zone. Off–gas treatment will be necessary.

Cost Agreement (CA) #50394 has been approved in the amount shown on the enclosed cost agreement form for the AFVR events. Please note that all applicable South Carolina certification requirements apply to the report preparation. Further, all site rehabilitation activities must be performed and submitted by a South Carolina-Certified Underground Storage Tank Site Rehabilitation Contractor.

An AFVR report and invoice are due within 90 days from the date of this letter. Your contractor may directly bill the State Underground Petroleum Environmental Response Bank (SUPERB) Account. Interim invoices may not be submitted for this scope of work. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

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 Agency is obtained. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be pre-approved by the Agency for the cost to be paid. The Agency 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, the Agency reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

The UST Management Division grants pre-approval for transportation of petroleum-contaminated, investigative-derived waste (IDW) from the referenced site to a permitted treatment/disposal facility. The transport and disposal must be conducted in accordance with QAPP Revision 2.0.

On all correspondence concerning this facility, please reference UST Permit #07303. If there are any questions concerning this project, feel free to contact me by telephone at (803) 898-0655, by fax at (803) 898-0673, or by e-mail at padgetjp@dhec.sc.gov.

Sincerely,

Joel P. Padgett, P.G., Geologist/Hydrologist
Corrective Action Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

JPP/jpp
07303.afvr3

enc: Approved cost agreement form

cc: Thomas Glenn, 800 West North 1st Street, Seneca, SC 29678 (w/o enc)
Terry Environmental Services, Inc., P.O. Box 25, Summerville, SC 29484 (w/enc)
✓Technical file (w/enc)

Approved Cost Agreement 50394

Facility: 07303 LIL CRICKET 339

PADGETJP

PO Number:

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
19 RPT/PROJECT MNGT & COORDINATIO						
		PRT	REPORT PREPARATION	0.1200	45,281.25	5,433.75
23 EFR						
		A4	96 HOUR EVENT	2.0000	12,567.50	25,135.00
		C4	OFF GAS TREATMENT 96 HOUR	2.0000	780.00	1,560.00
		D	SITE RECONNAISSANCE	1.0000	203.25	203.25
		F1	EFFLUENT DISPOSAL	40,000.0000	0.44	17,600.00
		G	AFVR EQUIPMENT MOB	2.0000	391.50	783.00
				Total Amount		50,715.00

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JUN 1 1 2015

MR GORDON ZUBER
LIL CRICKET CONVENIENCE STORES INC
PO BOX 4551
SPARTANBURG SC 29305

Re: Aggressive fluid and vapor recovery (AFVR) directive
Former Li'l Cricket #339, 800 North West First Street, Seneca, SC
UST Permit #07303; CA #50394
Release reported April 27, 1989
Oconee County

Dear Mr. Zuber:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (Agency) recognizes your commitment to continue work at this site using Terry Environmental Services, Inc. The next appropriate remedial activity is to continue aggressive fluid and vapor recovery (AFVR) to reduce petroleum chemicals of concern (CoC) in the groundwater. The last AFVR events conducted in January 2015 on source area monitoring and recovery wells removed 3000 gallons of petroleum contact water and approximately 8 equivalent gallons of petroleum vapor from the site. Please have your contractor conduct one 96-hour event on monitoring and recovery wells MW-20 and RW-2, and one 96-hour event on MW-19. The events must be conducted in accordance with Quality Assurance Program Plan (QAPP) Revision 2.0. A copy of QAPP Revision 2.0 is available at http://www.scdhec.gov/environment/docs/QAPP_Rev-2_April2013.pdf.

Please notify the UST Management Division prior to commencing AFVR at the site. The stinger(s) must be advanced to a target depth of 45 feet within the first 8 hours of each event. Thereafter, the stinger should be adjusted to achieve the highest vapor recovery while maintaining dewatering of the smear zone. Off–gas treatment will be necessary.

Cost Agreement (CA) #50394 has been approved in the amount shown on the enclosed cost agreement form for the AFVR events. Please note that all applicable South Carolina certification requirements apply to the report preparation. Further, all site rehabilitation activities must be performed and submitted by a South Carolina-Certified Underground Storage Tank Site Rehabilitation Contractor.

An AFVR report and invoice are due within 90 days from the date of this letter. Your contractor may directly bill the State Underground Petroleum Environmental Response Bank (SUPERB) Account. Interim invoices may not be submitted for this scope of work. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

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 Agency is obtained. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be pre-approved by the Agency for the cost to be paid. The Agency 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, the Agency reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

The UST Management Division grants pre-approval for transportation of petroleum-contaminated, investigative-derived waste (IDW) from the referenced site to a permitted treatment/disposal facility. The transport and disposal must be conducted in accordance with QAPP Revision 2.0.

On all correspondence concerning this facility, please reference UST Permit #07303. If there are any questions concerning this project, feel free to contact me by telephone at (803) 898-0655, by fax at (803) 898-0673, or by e-mail at padgetjp@dhec.sc.gov.

Sincerely,

Joel P. Padgett, P.G., Geologist/Hydrologist
Corrective Action Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

JPP/jpp
07303.afvr3

enc: Approved cost agreement form

cc: Thomas Glenn, 800 West North 1st Street, Seneca, SC 29678 (w/o enc)
Terry Environmental Services, Inc., P.O. Box 25, Summerville, SC 29484 (w/enc)
Technical file (w/enc)

* * Daily Report Transmit Journal * *

Jun 23 2015 00:00

Result

P1

Name

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PROMOTE PROTECT PROSPER

Bureau of Land and Waste Management
UST Management Division

2600 Bull Street
Columbia, SC 29201

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06/11/2015
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UST
JUN 18 2015
PROGRAM

Thomas Glenn
800 West North 1st Street
Seneca, SC 29678

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29201@1708
EYY-SMP 29678

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Date Received 8/3/2015

Permit Number 07303

Project Manager Joel Padgett

Name of Contractor TES

UST Certification Number

Docket Number 44 tecr

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AFVR Events Report

AGGRESSIVE FLUID VAPOR RECOVERY (AFVR) EVENTS REPORT
FORMER LI'L CRICKET #339
800 WEST NORTH FIRST STREET
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
CA #50394

Prepared For:

SCDHEC UNDERGROUND STORAGE TANK PROGRAM
2600 BULL ST.
COLUMBIA, SC 29201

Submitted By:

P.O. BOX 25
SUMMERVILLE, SOUTH CAROLINA 29484
(843) 873-8200
Fax (843) 873-8765
www.terryenvironmental.com

UST CONTRACTOR #UCC-0223
TERRY PROJECT #2170K

KELLY K. CONE, PG
Vice President, Assessment Services

JASON A. TERRY, PG
President

KELLY K. CONE REGISTERED No. 2509 SOUTH CAROLINA PROFESSIONAL GEOLOGIST

JULY 2015

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A. INTRODUCTION

1. UST Facility and Owner/Operator Information

Facility Name (Permit #) : Former Li'l Cricket #339 (07303)
Facility Address: 800 West North First Street, Seneca, South Carolina 29678
Facility Telephone: n/a – Not Operating

Owner/ Operator Name: Li'l Cricket Convenience Stores (Mr. Jim Zuber)
Owner/ Operator Address: 7 White Ash Drive, Asheville, NC 28803
Owner/ Operator Telephone: 910-512-9692

2. Property Owner Information

Name: Thomas & Dorothy Glenn
Address: 800 West North First Street, Seneca, South Carolina 29678
Telephone: 864-710-8747

3. Contractor Information

Name: Terry Environmental Services, Inc.
Address: P.O. Box 25, Summerville, South Carolina 29484
Telephone: 843-873-8200
Certification: UCC-0223

4. Well Driller Information

Not Applicable

5. Laboratory Information

Not Applicable

6. Site History

Date Release Reported to SCDHEC: April 27, 1989
Estimated Quantity of Product Released: Unknown
Cause of Release: Unknown
Current use of Facility: Commercial property (Consignment store)

UST #	Product	Date Installed	Currently In Use (Yes or No)	If not in use, Date Removed
1 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
2 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
3 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
4 (4,000 gal)	Kerosene	Unknown	No	2/22/2000

Other Releases at this site? Yes _____ No **XXXX**
If yes, Date Release Reported to SCDHEC n/a
Status of Release: **n/a**
No Further Action Date: n/a

7. Regional Geology and Hydrogeology

The Former Li'l Cricket #339 site is located in Seneca, SC which lies in the Western Piedmont Province of South Carolina approximately 20 miles to the southeast of the Brevard fault zone. The western piedmont is comprised of the Inner Piedmont block, the Smith River allochthon, and the Sauratwon Mountain window. The Inner Piedmont block encompasses the Inner Piedmont belt and the Chauga belt, and consists of a composite stack of thrust sheets containing a variety of gneisses, schists, amphibolites, sparse ultramafic bodies, and intrusive granitoids. (The Geology of the Carolinas, Horton & Zullo, 1991)

The Former Li'l Cricket #339 site is located in the Inner Piedmont Belt which consists of sillimanite-grade regional metamorphism that decreases in grade to the northwest towards Pickens. Generally, wells drilled to depths less than 250 feet in the rocks of the Inner Piedmont Belt of Pickens County yield one-half to 500 gallons per minute. The highest average yields were obtained from wells drilled in biotite granite gneiss and the lowest average yields were from wells drilled in hornblende gneiss. The average yield of all wells inventoried was 21 gallons per minute. (USGS/SCWRC Report 1: A Reconnaissance of the Water Resources of Pickens County, South Carolina, 1968)

B. RECEPTOR SURVEY & SITE DATA

1. Receptor Survey Results

A receptor survey was not conducted during this scope of work.

2. Current Site and Adjacent Land Use

Description of current site use (commercial, residential, rural, etc.):
Commercial; consignment store

Description of adjacent land use (commercial, residential, rural, etc):
Commercial, residential, and Duke Power substation

UST sites within a 1,000-foot radius:
Unknown

The site is located at 800 West North First Street in Seneca, South Carolina. The site is bordered to the north by residential property, to the east by commercial property, to the south by West North First Street, and to the west by a Duke Power substation. Further to the south across West North First Street are commercial properties. The general site location is shown on the Topographic Map provided in Section J as Figure 1. A detailed Site Base Map originating from a comprehensive survey completed by Jay S. Joshi (SC Registered Land Surveyor #14811) of Construction Support Services, Inc. on October 8, 2008 is provided in Appendix 1 as Figure 2.

3. Site-Specific Geology and Hydrogeology

Based on the Tier II Assessment reported in March 2009, the general soil profile onsite consists of mostly clayey silt and sandy silt. Partially weathered rock and/or bedrock were encountered at depths ranging from approximately 28 feet to 45 feet below ground surface (bgs). The shallow aquifer was generally encountered between 40 and 47 feet bgs. During this scope of work, depth to groundwater was measured between 34 and 43 feet below top of casing in the recovery and influence wells gauged prior to the start of each event.

C. SOIL ASSESSMENT/FIELD SCREENING INFORMATION & METHODOLOGY

Not Applicable. No soil or groundwater borings were installed during this scope of work.

D. MONITORING WELL INFORMATION

Not Applicable. No monitoring wells were installed during this scope of work.

E. GROUNDWATER DATA

Not Applicable. No groundwater samples were collected during this scope of work.

F. AFVR INFORMATION

1. Scope of Work

As directed by SCDHEC, two (2) consecutive 96-hour continuous AFVR Events were performed; between July 13, 2015 and July 17, 2015 event one was conducted on monitoring well MW-19; between July 20, 2015 and July 24, 2015 event two was conducted on monitoring/recovery wells MW-20 and RW-2. TERRY Exploration Services, LLC performed the AFVR events under the supervision of TERRY Environmental Services, Inc.

2. AFVR Emissions Table

AFVR Emissions Table (Event 1) – Attached

AFVR Emissions Table (Event 2) – Attached

Extraction Well Stinger Depth Table (Event 1) – Attached

Extraction Well Stinger Depth Table (Event 2) – Attached

3. Vacuum Data Table

Vacuum Data Table (Event 1) – Attached

Vacuum Data Table (Event 2) – Attached

4. Volume of Water Recovered

800 gallons of fluid were recovered during the 96-hour event conducted July 13, 2015 through July 17, 2015. 3,950 gallons of fluid were recovered during the 96-hour event conducted July 20, 2015 through July 24, 2015. A total of 4,750 gallons of fluid were recovered during the two events.

5. Volume of Product Recovered

At the completion of the event no product was detected in the recovery tank. However, the AFVR process routinely emulsifies product which can take several hours to separate.

6. Mass of Petroleum Recovered as Vapor

19.70 pounds of volatile organic vapors (approximate equivalent of 3.15 gallons of gasoline) were recovered during the course of the 96-hour event conducted July 13, 2015 through July 17, 2015. 60.28 pounds of volatile organic vapors (approximate equivalent of 9.65 gallons of gasoline) were recovered during the course of the 96-hour event conducted July 20, 2015 through July 24, 2015. A total of 79.98 pounds of gasoline vapors (approximate

SECTION F-2A
AFVR EMISSIONS TABLE (EVENT 1)
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303

Date:	July 13-17, 2015	**Average Depth to Groundwater:**	34-39 ft.
Site Name:	Former Li'l Cricket #339	**Describe Soil In Saturated Zone:**	Weathered Rock
SCDHEC Site ID #:	07303	**Vacuum Contractor:**	TERRY Exploration Services, LLC
Well ID #:	MW-19	**Blower Specification of the Vacuum Truck (CFM @ Hg):**	282 CFM @ 25" Hg

DRY STANDARD CUBIC FEET PER MINUTE (DSCFM) CALCULATIONS (Qstd)												EMISSION CALCULATION							
		Vacuum	Velocity	Pipe Id	Temp.	Rel.Humid	PPM_{wv}	PPM_{wet}	Reduction	Elapsed time	Flow	PPM_d	PPM_v	K	C_{wet}	C_d	PMR_v	PMR_d	PMR_v
Date	Time	(in. Hg)	(ft/min)	(in)	(F)	(%)	(ppm)	(ppm)	(%)	(min)	(DSCFM)				(mg/dsm^3)	(lb/dscf)	(lb/hr)	(lb/hr)	(gal/hr)
7/13/2015	13:00	22.0	608	3	101.0	27.2	1,422	256	82	0	25.61	1558.70	6234.81	4	3110.93	1.942E-04	0.30	0.35	0.06
7/13/2015	13:30	22.0	598	3	106.0	28.1	1,408	225	84	30	24.97	1543.36	6173.42	4	3080.30	1.923E-04	0.29	0.33	0.05
7/13/2015	14:00	22.0	602	3	108.0	26.3	1,425	271	81	60	25.05	1561.99	6247.96	4	3117.49	1.946E-04	0.29	0.34	0.05
7/13/2015	14:30	22.0	611	3	109.0	24.4	1,391	236	83	90	25.38	1524.72	6098.89	4	3043.11	1.900E-04	0.29	0.33	0.05
7/13/2015	15:00	22.0	591	3	112.0	25.3	1,362	204	85	120	24.42	1492.93	5971.74	4	2979.67	1.860E-04	0.27	0.32	0.05
7/13/2015	15:30	22.0	596	3	114.0	24.1	1,355	190	86	150	24.54	1485.26	5941.04	4	2964.35	1.851E-04	0.27	0.32	0.05
7/13/2015	16:00	22.0	592	3	112.0	25.3	1,344	242	82	180	24.46	1473.20	5892.81	4	2940.29	1.836E-04	0.27	0.31	0.05
7/13/2015	16:30	22.0	588	3	107.0	25.7	1,359	217	84	210	24.51	1489.65	5958.58	4	2973.10	1.856E-04	0.27	0.32	0.05
7/13/2015	17:00	22.0	585	3	110.0	24.3	1,348	202	85	240	24.25	1477.59	5910.35	4	2949.04	1.841E-04	0.27	0.31	0.05
7/13/2015	17:30	22.0	577	3	114.0	246.0	1,366	232	83	270	23.76	1497.32	5989.27	4	2988.42	1.866E-04	0.27	0.31	0.05
7/13/2015	18:00	22.0	586	3	110.0	24.9	1,338	201	85	300	24.30	1466.63	5866.51	4	2927.16	1.827E-04	0.27	0.31	0.05
7/13/2015	18:30	22.0	592	3	109.0	25.4	1,321	198	85	330	24.59	1447.99	5791.97	4	2889.97	1.804E-04	0.27	0.31	0.05
7/13/2015	19:00	22.0	598	3	107.0	25.8	1,348	189	86	360	24.93	1477.59	5910.35	4	2949.04	1.841E-04	0.28	0.32	0.05
7/13/2015	19:30	22.0	582	3	110.0	26.9	1,332	213	84	390	24.13	1460.05	5840.20	4	2914.03	1.819E-04	0.26	0.30	0.05
7/13/2015	20:00	22.0	588	3	109.0	27.5	1,316	224	83	420	24.42	1442.51	5770.05	4	2879.03	1.797E-04	0.26	0.30	0.05
7/13/2015	20:30	22.0	578	3	104.0	26.2	1,331	200	85	450	24.22	1458.95	5835.81	4	2911.85	1.818E-04	0.26	0.31	0.05
7/13/2015	21:00	22.0	573	3	106.0	25.8	1,311	197	85	480	23.93	1437.03	5748.12	4	2868.09	1.791E-04	0.26	0.30	0.05
7/13/2015	22:00	22.0	574	3	107.0	26.5	1,302	234	82	540	23.92	1427.17	5708.66	4	2848.40	1.778E-04	0.26	0.30	0.05
7/13/2015	23:00	22.0	581	3	105.0	26.2	1,288	206	84	600	24.30	1411.82	5647.28	4	2817.77	1.759E-04	0.26	0.30	0.05
7/14/2015	0:00	22.0	576	3	106.0	26.8	1,277	179	86	660	24.05	1399.76	5599.05	4	2793.71	1.744E-04	0.25	0.29	0.05
7/14/2015	8:00	22.0	582	3	109.0	27.3	1,119	168	85	1140	24.17	1226.57	4906.29	4	2448.05	1.528E-04	0.22	0.26	0.04
7/14/2015	9:00	22.0	578	3	111.0	26.1	1,107	177	84	1200	23.92	1213.42	4853.68	4	2421.80	1.512E-04	0.22	0.25	0.04
7/14/2015	10:00	22.0	556	3	114.0	27.4	1,088	152	86	1260	22.89	1192.59	4770.37	4	2380.23	1.486E-04	0.20	0.24	0.04
7/14/2015	11:00	22.0	562	3	115.0	27.5	1,079	140	87	1320	23.10	1182.73	4730.91	4	2360.54	1.474E-04	0.20	0.24	0.04
7/14/2015	12:00	22.0	568	3	117.0	28.4	1,021	133	87	1380	23.26	1119.15	4476.61	4	2233.66	1.394E-04	0.19	0.23	0.04
7/14/2015	13:00	22.0	564	3	119.0	28.8	961	106	89	1440	23.02	1053.38	4213.54	4	2102.39	1.313E-04	0.18	0.21	0.03
7/14/2015	15:00	22.0	558	3	117.0	28.7	934	121	87	1560	22.85	1023.79	4095.15	4	2043.32	1.276E-04	0.17	0.20	0.03
7/14/2015	17:00	22.0	566	3	114.0	28.6	907	81.6	91	1680	23.30	994.19	3976.77	4	1984.26	1.239E-04	0.17	0.20	0.03
7/14/2015	19:00	22.0	571	3	113.0	28.1	898	89.8	90	1800	23.55	984.33	3937.31	4	1964.57	1.226E-04	0.17	0.20	0.03
7/14/2015	21:00	22.0	578	3	111.0	27.7	888	107	88	1920	23.92	973.37	3893.47	4	1942.69	1.213E-04	0.17	0.20	0.03
7/14/2015	23:00	22.0	572	3	108.0	28.2	872	113	87	2040	23.80	955.83	3823.31	4	1907.69	1.191E-04	0.17	0.20	0.03
7/15/2015	0:00	22.0	576	3	110.0	28.6	864	104	88	2100	23.88	947.06	3788.24	4	1890.18	1.180E-04	0.17	0.20	0.03
7/15/2015	8:00	22.0	581	3	112.0	27.8	782	110	86	2580	24.00	857.18	3428.71	4	1710.79	1.068E-04	0.15	0.18	0.03
7/15/2015	10:00	22.0	589	3	114.0	28.1	763	91.6	88	2700	24.25	836.35	3345.40	4	1669.23	1.042E-04	0.15	0.18	0.03
7/15/2015	12:00	22.0	584	3	117.0	28.8	771	116	85	2820	23.92	845.12	3380.48	4	1686.73	1.053E-04	0.15	0.17	0.03
7/15/2015	14:00	22.0	596	3	121.0	27.3	691	55.3	92	2940	24.24	757.43	3029.71	4	1511.71	9.438E-05	0.14	0.16	0.03
7/15/2015	16:00	22.0	589	3	123.0	27.9	622	62.2	90	3060	23.88	681.80	2727.18	4	1360.76	8.495E-05	0.12	0.14	0.02
7/15/2015	18:00	22.0	573	3	118.0	27.1	572	68.6	88	3180	23.43	626.99	2507.95	4	1251.37	7.812E-05	0.11	0.13	0.02
7/15/2015	20:00	22.0	575	3	114.0	28.3	568	73.8	87	3300	23.67	622.60	2490.42	4	1242.82	7.758E-05	0.11	0.13	0.02
7/15/2015	22:00	22.0	582	3	111.0	28.6	541	43.3	92	3420	24.09	593.01	2372.03	4	1183.55	7.389E-05	0.11	0.12	0.02
7/16/2015	0:00	22.0	586	3	109.0	28.9	519	52.9	90	3540	24.34	568.89	2275.57	4	1135.42	7.088E-05	0.10	0.12	0.02
7/16/2015	8:00	22.0	577	3	112.0	28.2	477	42.9	91	4020	23.84	522.86	2091.42	4	1043.54	6.515E-05	0.09	0.11	0.02
7/16/2015	10:00	22.0	588	3	115.0	28.6	469	37.5	92	4140	24.17	514.09	2056.35	4	1026.04	6.406E-05	0.09	0.11	0.02
7/16/2015	12:00	22.0	591	3	118.0	27.7	441	26.5	94	4260	24.16	483.39	1933.58	4	964.78	6.023E-05	0.09	0.10	0.02
7/16/2015	14:00	22.0	596	3	119.0	27.3	409	36.8	91	4380	24.33	448.32	1793.27	4	894.77	5.588E-05	0.08	0.09	0.02
7/16/2015	16:00	22.0	588	3	114.0	27.5	388	27.2	93	4500	24.21	425.30	1701.20	4	848.83	5.299E-05	0.08	0.09	0.01
7/16/2015	18:00	22.0	581	3	111.0	26.4	374	18.7	95	4620	24.05	409.95	1639.82	4	818.20	5.108E-05	0.07	0.09	0.01
7/16/2015	20:00	22.0	587	3	113.0	26.9	332	29.9	91	4740	24.21	363.92	1455.67	4	726.32	4.534E-05	0.07	0.08	0.01
7/16/2015	22:00	22.0	577	3	109.0	27.7	311	37.3	88	4860	23.97	340.90	1363.59	4	680.38	4.248E-05	0.06	0.07	0.01
7/17/2015	0:00	22.0	568	3	107.0	28.2	286	31.5	89	4980	23.67	313.49	1253.98	4	625.69	3.906E-05	0.06	0.06	0.01
7/17/2015	8:00	22.0	581	3	112.0	27.3	178	14.0	92	5460	24.00	195.11	780.45	4	389.41	2.431E-05	0.04	0.04	0.01
7/17/2015	10:00	22.0	588	3	114.0	27.9	143	14.3	90	5580	24.21	156.75	626.99	4	312.84	1.953E-05	0.03	0.03	0.01
7/17/2015	12:00	22.0	585	3	115.0	28.1	135	9.5	93	5700	24.04	147.98	591.91	4	295.34	1.844E-05	0.03	0.03	0.00
7/17/2015	13:00	22.0	579	3	117.0	28.6	112	6.7	94	5760	23.71	122.77	491.07	4	245.02	1.530E-05	0.02	0.03	0.00
Average		22.0	582.4	3.0	111.8	31.2	899	126	87		24.07	985.83	3943.32	4	1967.56	1.228E-04	0.18	0.21	0.03
Bws =	0.088	Bwsv:	0.06																

Total Pounds of Carbon Recovered as Emissions: 17.03
Total Pounds of Gasoline Vapor Recovered as Emissions: 19.70
Total Gallons of Gasoline Recovered as Emissions: 3.15
(This Number Represents the Gallons Recovered via Vapors, Not Total Liquids)

SECTION F-2A
AFVR EMISSIONS TABLE (EVENT 2)
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303

Date:	July 20-24, 2015			**Average Depth to Groundwater:**	38-43 ft.
Site Name:	Former LI'l Cricket #339			**Describe Soil In Saturated Zone:**	Weathered Rock
SCDHEC Site ID #:	07303			**Vacuum Contractor:**	TERRY Exploration Services, LLC
Well ID #:	MW-20 & RW-2	**Blower Specification of the Vacuum Truck (CFM @ Hg):**		282 CFM @ 25" Hg	

DRY STANDARD CUBIC FEET PER MINUTE (DSCFM) CALCULATIONS (Qstd)												EMISSION CALCULATION							
		Vacuum	Velocity	Pipe Id	Temp.	Rel.Humid	PPM_{wv}	PPM_{wwet}	Reduction	Elapsed time	Flow	PPM_d	PPM_v	K	C_{voc}	C_v	PMR_v	PMR_w	PMR_t
Date	Time	(in. Hg)	(ft/min)	(in)	(F)	(%)	(ppm)	(ppm)	(%)	(min)	(DSCFM)				(mg/dsm^3)	(lb/dscf)	(lb/hr)	(lb/hr)	(gal/hr)
7/20/2015	10:00	20.0	1,244	3	108.0	22.3	1,819	218	88	0	51.76	1993.87	7975.47	4	3979.45	2.484E-04	0.77	0.89	0.14
7/20/2015	10:30	20.0	1,262	3	112.0	24.7	1,829	293	84	30	51.73	2004.83	8019.31	4	4001.33	2.498E-04	0.78	0.90	0.14
7/20/2015	11:00	20.0	1,241	3	115.0	24.5	1,810	253	86	60	51.01	1984.00	7936.01	4	3959.76	2.472E-04	0.76	0.88	0.14
7/20/2015	11:30	20.0	1,232	3	118.0	23.8	1,782	303	83	90	50.37	1953.31	7813.24	4	3898.50	2.434E-04	0.74	0.85	0.14
7/20/2015	12:00	20.0	1,228	3	120.0	24.1	1,794	233	87	120	50.04	1966.46	7865.85	4	3924.76	2.450E-04	0.74	0.85	0.14
7/20/2015	12:30	20.0	1,222	3	121.0	25.9	1,791	197	89	150	49.71	1963.18	7852.70	4	3918.19	2.446E-04	0.73	0.84	0.14
7/20/2015	13:00	20.0	1,262	3	121.0	27.2	1,834	220	88	180	51.33	2010.31	8041.24	4	4012.27	2.505E-04	0.77	0.89	0.14
7/20/2015	13:30	20.0	1,261	3	123.0	27.7	1,826	237	87	210	50.71	2001.54	8006.16	4	3994.76	2.494E-04	0.76	0.88	0.14
7/20/2015	14:00	20.0	1,232	3	124.0	27.4	1,817	291	84	240	49.86	1991.67	7966.70	4	3975.07	2.482E-04	0.74	0.86	0.14
7/20/2015	14:30	20.0	1,221	3	126.0	28.8	1,802	270	85	270	49.24	1975.23	7900.93	4	3942.26	2.461E-04	0.73	0.84	0.13
7/20/2015	15:00	20.0	1,239	3	128.0	25.9	1,814	272	85	300	49.80	1988.39	7953.54	4	3968.51	2.478E-04	0.74	0.86	0.14
7/20/2015	15:30	20.0	1,236	3	128.0	26.2	1,808	235	87	330	49.68	1981.81	7927.24	4	3955.39	2.469E-04	0.74	0.85	0.14
7/20/2015	16:00	20.0	1,241	3	127.0	28.3	1,855	204	89	360	49.96	2033.33	8133.31	4	4058.21	2.534E-04	0.76	0.88	0.14
7/20/2015	16:30	20.0	1,233	3	124.0	27.7	1,842	166	91	390	49.90	2019.08	8076.31	4	4029.77	2.516E-04	0.75	0.87	0.14
7/20/2015	17:00	20.0	1,224	3	122.0	26.9	1,858	260	86	420	49.70	2036.62	8146.46	4	4064.77	2.538E-04	0.76	0.88	0.14
7/20/2015	17:30	20.0	1,231	3	121.0	26.4	1,831	220	88	450	50.07	2007.02	8028.08	4	4005.70	2.501E-04	0.75	0.87	0.14
7/20/2015	18:00	20.0	1,245	3	118.0	26.8	1,822	273	85	480	50.91	1997.16	7988.62	4	3986.01	2.488E-04	0.76	0.88	0.14
7/20/2015	19:00	20.0	1,233	3	119.0	26.4	1,814	200	89	540	50.33	1988.39	7953.54	4	3968.51	2.478E-04	0.75	0.87	0.14
7/20/2015	20:00	20.0	1,221	3	116.0	26.9	1,803	216	88	600	50.10	1976.33	7905.31	4	3944.45	2.463E-04	0.74	0.86	0.14
7/20/2015	21:00	20.0	1,218	3	116.0	27.1	1,781	267	85	660	49.97	1952.21	7808.86	4	3896.32	2.432E-04	0.73	0.84	0.14
7/20/2015	22:00	20.0	1,220	3	115.0	28.2	1,788	232	87	720	50.14	1959.89	7839.55	4	3911.63	2.442E-04	0.73	0.85	0.14
7/20/2015	23:00	20.0	1,214	3	116.0	27.5	1,784	196	89	780	49.81	1955.50	7822.01	4	3902.88	2.437E-04	0.73	0.84	0.13
7/21/2015	0:00	20.0	1,211	3	114.0	26.3	1,777	249	86	840	49.86	1947.83	7791.32	4	3887.57	2.427E-04	0.73	0.84	0.13
7/21/2015	8:00	20.0	1,231	3	117.0	26.9	1,651	264	84	1320	50.42	1809.72	7238.87	4	3611.91	2.255E-04	0.68	0.79	0.13
7/21/2015	9:00	20.0	1,229	3	118.0	26.4	1,622	227	86	1380	50.25	1777.93	7111.71	4	3548.47	2.215E-04	0.67	0.77	0.12
7/21/2015	10:00	20.0	1,246	3	119.0	27.4	1,591	191	88	1440	50.86	1743.95	6975.79	4	3480.65	2.173E-04	0.66	0.77	0.12
7/21/2015	12:00	20.0	1,240	3	121.0	27.8	1,548	201	87	1560	50.44	1696.81	6787.26	4	3386.58	2.114E-04	0.64	0.74	0.12
7/21/2015	14:00	20.0	1,228	3	123.0	27.3	1,513	242	84	1680	49.78	1658.45	6633.80	4	3310.01	2.066E-04	0.62	0.71	0.11
7/21/2015	16:00	20.0	1,218	3	127.0	26.6	1,477	207	86	1800	49.04	1618.99	6475.96	4	3231.25	2.017E-04	0.59	0.69	0.11
7/21/2015	18:00	20.0	1,222	3	125.0	25.4	1,482	178	88	1920	49.37	1624.47	6497.88	4	3242.19	2.024E-04	0.60	0.69	0.11
7/21/2015	20:00	20.0	1,239	3	122.0	26.8	1,469	191	87	2040	50.31	1610.22	6440.88	4	3213.75	2.006E-04	0.61	0.70	0.11
7/21/2015	22:00	20.0	1,231	3	119.0	26.4	1,409	225	84	2160	50.25	1544.45	6177.81	4	3082.49	1.924E-04	0.58	0.67	0.11
7/22/2015	0:00	20.0	1,228	3	117.0	26.9	1,388	209	85	2280	50.30	1521.43	6085.73	4	3036.55	1.896E-04	0.57	0.66	0.11
7/22/2015	8:00	20.0	1,246	3	119.0	27.4	1,089	131	88	2760	50.86	1193.69	4774.76	4	2382.42	1.487E-04	0.45	0.53	0.08
7/22/2015	10:00	20.0	1,252	3	120.0	27.8	1,033	134	87	2700	51.01	1132.31	4529.22	4	2259.91	1.411E-04	0.43	0.50	0.08
7/22/2015	12:00	20.0	1,248	3	121.0	25.5	942	104	89	2820	50.76	1032.56	4130.23	4	2060.83	1.287E-04	0.39	0.45	0.07
7/22/2015	14:00	20.0	1,251	3	123.0	26.7	914	110	88	2940	50.71	1001.87	4007.46	4	1999.57	1.248E-04	0.38	0.44	0.07
7/22/2015	16:00	20.0	1,242	3	126.0	27.1	889	97.8	89	3060	50.09	974.46	3897.85	4	1944.88	1.214E-04	0.36	0.42	0.07
7/22/2015	18:00	20.0	1,238	3	124.0	27.6	868	113	87	3180	50.10	951.44	3805.78	4	1898.93	1.186E-04	0.36	0.41	0.07
7/22/2015	20:00	20.0	1,236	3	120.0	26.8	871	78.4	91	3300	50.36	954.73	3818.93	4	1905.50	1.190E-04	0.36	0.42	0.07
7/22/2015	22:00	20.0	1,239	3	118.0	26.5	838	92.2	89	3420	50.66	918.56	3674.24	4	1833.30	1.145E-04	0.35	0.40	0.06
7/23/2015	0:00	20.0	1,246	3	114.0	25.8	819	98.3	88	3540	51.30	897.73	3590.93	4	1791.74	1.119E-04	0.34	0.40	0.06
7/23/2015	8:00	20.0	1,233	3	112.0	26.6	611	85.5	86	4020	50.94	669.74	2678.95	4	1336.69	8.345E-05	0.26	0.30	0.05
7/23/2015	10:00	20.0	1,238	3	115.0	27.1	572	91.5	84	4140	50.88	626.99	2507.95	4	1251.37	7.812E-05	0.24	0.28	0.04
7/23/2015	12:00	20.0	1,231	3	116.0	27.7	531	69.1	87	4260	50.51	582.05	2328.19	4	1161.68	7.252E-05	0.22	0.25	0.04
7/23/2015	14:00	20.0	1,222	3	118.0	27.3	492	49.2	90	4380	49.96	539.30	2157.19	4	1078.35	6.720E-05	0.20	0.23	0.04
7/23/2015	16:00	20.0	1,228	3	117.0	26.8	463	46.3	90	4500	50.30	507.51	2030.04	4	1012.91	6.324E-05	0.19	0.22	0.04
7/23/2015	18:00	20.0	1,225	3	115.0	26.5	444	35.5	92	4620	50.35	486.68	1946.73	4	971.34	6.064E-05	0.18	0.21	0.03
7/23/2015	20:00	20.0	1,218	3	114.0	27.0	413	37.2	91	4740	50.15	452.70	1810.81	4	903.53	5.641E-05	0.17	0.20	0.03
7/23/2015	22:00	20.0	1,221	3	112.0	27.4	388	38.8	90	4860	50.45	425.30	1701.20	4	848.83	5.299E-05	0.16	0.19	0.03
7/24/2015	0:00	20.0	1,233	3	109.0	27.6	331	23.2	93	4980	51.21	362.82	1451.28	4	724.13	4.521E-05	0.14	0.16	0.03
7/24/2015	8:00	20.0	1,242	3	116.0	25.9	194	17.5	91	5460	50.98	212.65	850.60	4	424.42	2.650E-05	0.08	0.09	0.01
7/24/2015	10:00	20.0	1,239	3	117.0	26.3	167	13.4	92	5760	50.75	183.05	732.22	4	365.35	2.281E-05	0.07	0.08	0.01
Average		20.0	1233.8	3.0	119.0	26.6	1315	172	87		50.36	1441.52	5766.08	4	2877.05	1.796E-04	0.54	0.63	0.10
Bws =	0.088	$Bwsw$:	0.06																

Total Pounds of Carbon Recovered as Emissions: 52.10

Total Pounds of Gasoline Vapor Recovered as Emissions: 60.28

Total Gallons of Gasoline Recovered as Emissions: 9.65

(This Number Represents the Gallons Recovered via Vapors, Not Total Liquids)

AFVR Definitions and Equations

Qstd = (60 sec/min) (1- Bws) (velocity) (Pipe ID sq.ft.) [(528 oR / (Temp. + 460)] (Listed As Flow Above)

Bws = (B_{wsw} / 18 lb-mole H_2O) / [(1/28.84 lb-mole dry air) + B_{wsw} / 18 lb-mole H_2O)]

PPMd = (PPMw) / (1-Bws)

PPMc = (PPM) (K)

Cc = Ccm (62.43 E -9 lb-m^3/mg-ft^3)

PMRg = (PMRc) (Mg/Mcg)

Bgs = below top of casing

Bws = (B_{WSW} / 18 lb-mole H_2O) / [(1/28.84 lb-mole dry air) + B_{wsw} / 18 lb-mole H_2O)]

Qstd = (60 sec/min)(1-Bws)(V)(A)(Temp deg Rankin)

Bgs = below top of casing

Bws - water vapor % by volume

PPMpre = measured directly from Photo Ionization Detector (PID) pre-treatment

PPMpost = measured directly from PID post-treatment

Bwsw - pounds of water per pound of dry air, derived from the psychometric chart (temp Vs relative hum)

PPMw = PPM measured (wet Conc.)

K = # of carbons in calibration gas (isobutylene)

PPMc = PPMv, volumetric concentration of VOC emissions as carbon, dry basis, at STP

Ccm = mg/dsm^3, mass concentration of VOC emissions as carbon

Mc = 12.01 mg/mg-mole, molecular wt. of carbon

K_3 = 24.07 $dsm^3/10^6$ mg-mole, mass to volume conversion factor at stp

Cc = lb/dscf, mass concentration of VOC emissions as carbon, dry basis, at STP

PMRc = lb/hr, pollutant mass removal rate of VOC's as carbon

PMRg = lb/hr, pollutant mass removal rate of VOC's as gasoline

Mcg = 89 mg/mg-mole, weight of carbon in gasoline molecule

PPMd = "dry" concentration

Mg = 103 mg/mg-mole, molecular wt. of gasoline

Qstd - Flow at DSCFM

Ccm = PPMc (Mc/K_3)

PMRc = Cc (Qstd) (60 min/hr)

Reference:

North Carolina Department of Natural Resources, Division of Waste Management, Underground Storage Tank Section, Appendix B, Report Formats, April 2001.

SECTION F-2B
EXTRACTION WELL STINGER DEPTH TABLE (EVENT 1)
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
JULY 13-17, 2015

Well #	MW-19
Elapsed Time	Stinger Depth (ft)*
0	37.0
0.5	37.5
1	38.0
1.5	38.5
2	39.0
2.5	39.5
3	40.0
3.5	40.5
4	41.0
4.5	41.5
5	42.0
5.5	42.5
6	43.0
6.5	43.5
7	44.0
7.5	44.5
8	45.0
9	45.0
10	45.0
11	45.0
19	45.0
20	45.0
21	45.0
22	45.0
23	45.0
24	45.0
26	44.0
28	43.0
30	43.0
32	44.0
34	45.0
35	45.0
43	45.0
45	45.0
47	45.0
49	45.0
51	45.0
53	45.0
55	45.0
57	45.0
59	45.0
67	43.0
69	43.0
71	45.0
73	45.0
75	45.0
77	45.0
79	45.0
81	45.0
83	45.0
91	45.0
93	45.0
95	45.0
96	45.0

*Measured relative to the top of the well casing.

SECTION F-2B
EXTRACTION WELL STINGER DEPTH TABLE (EVENT 2)
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
JULY 20-24, 2015

Well #	MW-20	Well #	RW-2
Elapsed Time	Stinger Depth (ft)*	Elapsed Time	Stinger Depth (ft)*
0	40.0	0	41.0
0.5	40.5	0.5	41.0
1	41.0	1	41.5
1.5	41.5	1.5	41.5
2	42.0	2	42.0
2.5	42.5	2.5	42.0
3	43.0	3	42.5
3.5	43.0	3.5	43.0
4	43.0	4	43.0
4.5	43.5	4.5	43.0
5	44.0	5	43.5
5.5	44.0	5.5	43.5
6	44.5	6	44.0
6.5	45.0	6.5	44.0
7	45.0	7	44.5
7.5	45.0	7.5	45.0
8	45.0	8	45.0
9	45.0	9	45.0
10	45.0	10	45.0
11	45.0	11	45.0
12	45.0	12	45.0
13	45.0	13	45.0
14	45.0	14	45.0
22	45.0	22	45.0
23	45.0	23	45.0
24	43.0	24	43.0
26	41.0	26	41.0
28	43.0	28	43.0
30	45.0	30	45.0
32	45.0	32	45.0
34	45.0	34	45.0
36	45.0	36	45.0
38	45.0	38	45.0
46	45.0	46	45.0
48	45.0	48	45.0
50	45.0	50	45.0
52	45.0	52	45.0
54	45.0	54	45.0
56	44.0	56	44.0
58	43.0	58	43.0
60	44.0	60	44.0
62	45.0	62	45.0
70	45.0	70	45.0
72	45.0	72	45.0
74	45.0	74	45.0
76	45.0	76	45.0
78	45.0	78	45.0
80	45.0	80	45.0
82	45.0	82	45.0
84	45.0	84	45.0
86	45.0	86	45.0
94	45.0	94	45.0
96	45.0	96	45.0

*Measured relative to the top of the well casing.

SECTION F-3
VACUUM DATA TABLE (EVENT 1)
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
JULY 13-17, 2015

Well #	MW-3	Well #	MW-9	Well #	MW-18
Elapsed Time	Vacuum (in H2O)	Elapsed Time	Vacuum (in H2O)	Elapsed Time	Vacuum (in H2O)
0	0.0	0	0.0	0	0.0
0.5	1.0	0.5	0.0	0.5	0.0
1	1.0	1	0.0	1	0.0
1.5	1.0	1.5	0.0	1.5	0.0
2	1.0	2	0.0	2	0.0
2.5	1.0	2.5	0.0	2.5	0.0
3	1.0	3	0.0	3	0.0
3.5	1.0	3.5	0.0	3.5	0.0
4	1.0	4	0.0	4	0.0
4.5	1.0	4.5	0.0	4.5	0.0
5	1.0	5	0.0	5	0.0
5.5	1.0	5.5	0.0	5.5	0.0
6	1.0	6	0.0	6	0.0
6.5	1.0	6.5	0.0	6.5	0.0
7	1.0	7	0.0	7	0.0
7.5	1.0	7.5	0.0	7.5	0.0
8	1.0	8	0.0	8	0.0
9	1.0	9	0.0	9	0.0
10	1.0	10	0.0	10	0.0
11	1.0	11	0.0	11	0.0
19	1.0	19	0.0	19	0.0
20	1.0	20	0.0	20	0.0
21	1.0	21	0.0	21	0.0
22	1.0	22	0.0	22	0.0
23	1.0	23	0.0	23	0.0
24	1.0	24	0.0	24	0.0
26	1.0	26	0.0	26	0.0
28	1.0	28	0.0	28	0.0
30	1.0	30	0.0	30	0.0
32	1.0	32	0.0	32	0.0
34	1.0	34	0.0	34	0.0
35	1.0	35	0.0	35	0.0
43	1.0	43	0.0	43	0.0
45	1.0	45	0.0	45	0.0
47	1.0	47	0.0	47	0.0
49	1.0	49	0.0	49	0.0
51	1.0	51	0.0	51	0.0
53	1.0	53	0.0	53	0.0
55	1.0	55	0.0	55	0.0
57	1.0	57	0.0	57	0.0
59	1.0	59	0.0	59	0.0
67	1.0	67	0.0	67	0.0
69	1.0	69	0.0	69	0.0
71	1.0	71	0.0	71	0.0
73	1.0	73	0.0	73	0.0
75	1.0	75	0.0	75	0.0
77	1.0	77	0.0	77	0.0
79	1.0	79	0.0	79	0.0
81	1.0	81	0.0	81	0.0
83	1.0	83	0.0	83	0.0
91	1.0	91	0.0	91	0.0
93	1.0	93	0.0	93	0.0
95	1.0	95	0.0	95	0.0
96	1.0	96	0.0	96	0.0

SECTION F-3
VACUUM DATA TABLE (EVENT 2)
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
JULY 20-24, 2015

Well #	MW-3	Well #	MW-10	Well #	MW-13
Elapsed Time	Vacuum (in H2O)	Elapsed Time	Vacuum (in H2O)	Elapsed Time	Vacuum (in H2O)
0	0.0	0	0.0	0	0.0
0.5	0.0	0.5	0.0	0.5	1.5
1	0.0	1	1.0	1	1.5
1.5	0.0	1.5	1.0	1.5	1.5
2	0.0	2	1.0	2	1.5
2.5	0.0	2.5	1.0	2.5	1.5
3	0.0	3	1.0	3	1.5
3.5	0.0	3.5	1.0	3.5	1.5
4	0.0	4	1.0	4	1.5
4.5	0.0	4.5	1.0	4.5	1.5
5	0.0	5	0.8	5	1.5
5.5	0.0	5.5	0.8	5.5	1.5
6	0.0	6	0.8	6	1.5
6.5	0.0	6.5	0.8	6.5	1.5
7	0.0	7	0.8	7	1.5
7.5	0.0	7.5	0.8	7.5	1.5
8	0.0	8	0.8	8	1.5
9	0.0	9	0.8	9	1.5
10	0.0	10	0.8	10	1.5
11	0.0	11	0.8	11	1.5
12	0.0	12	0.8	12	1.5
13	0.0	13	0.8	13	1.5
14	0.0	14	0.8	14	1.5
22	0.0	22	0.8	22	1.5
23	0.0	23	0.8	23	1.5
24	0.0	24	0.8	24	1.5
26	0.0	26	0.8	26	1.5
28	0.0	28	0.8	28	1.5
30	0.0	30	0.8	30	1.5
32	0.0	32	0.8	32	1.5
34	0.0	34	0.8	34	1.5
36	0.0	36	0.8	36	1.5
38	0.0	38	0.8	38	1.5
46	0.0	46	0.8	46	1.5
48	0.0	48	0.8	48	1.5
50	0.0	50	0.8	50	1.5
52	0.0	52	0.8	52	1.5
54	0.0	54	0.8	54	1.5
56	0.0	56	0.8	56	1.5
58	0.0	58	0.8	58	1.5
60	0.0	60	0.8	60	1.5
62	0.0	62	0.8	62	1.5
70	0.0	70	0.8	70	1.5
72	0.0	72	0.8	72	1.5
74	0.0	74	0.8	74	1.5
76	0.0	76	0.8	76	1.5
78	0.0	78	0.8	78	1.5
80	0.0	80	0.8	80	1.5
82	0.0	82	0.8	82	1.5
84	0.0	84	0.8	84	1.5
86	0.0	86	0.8	86	1.5
94	0.0	94	0.8	94	1.5
96	0.0	96	0.8	96	1.5

equivalent of 12.8 gallons of gasoline) were recovered as emissions during the two events. Off-gas treatment was provided during the events as directed by the SCDHEC Project Manager.

7. Free Product Thickness Table

Free Product Thickness Table (Event 1) – Attached

Free Product Thickness Table (Event 2) – Attached

8. AFVR Event Map

Figure F-8 AFVR Map (Event 1) – Attached

Figure F-8 AFVR Map (Event 2) - Attached

9. Recovery Water Disposal

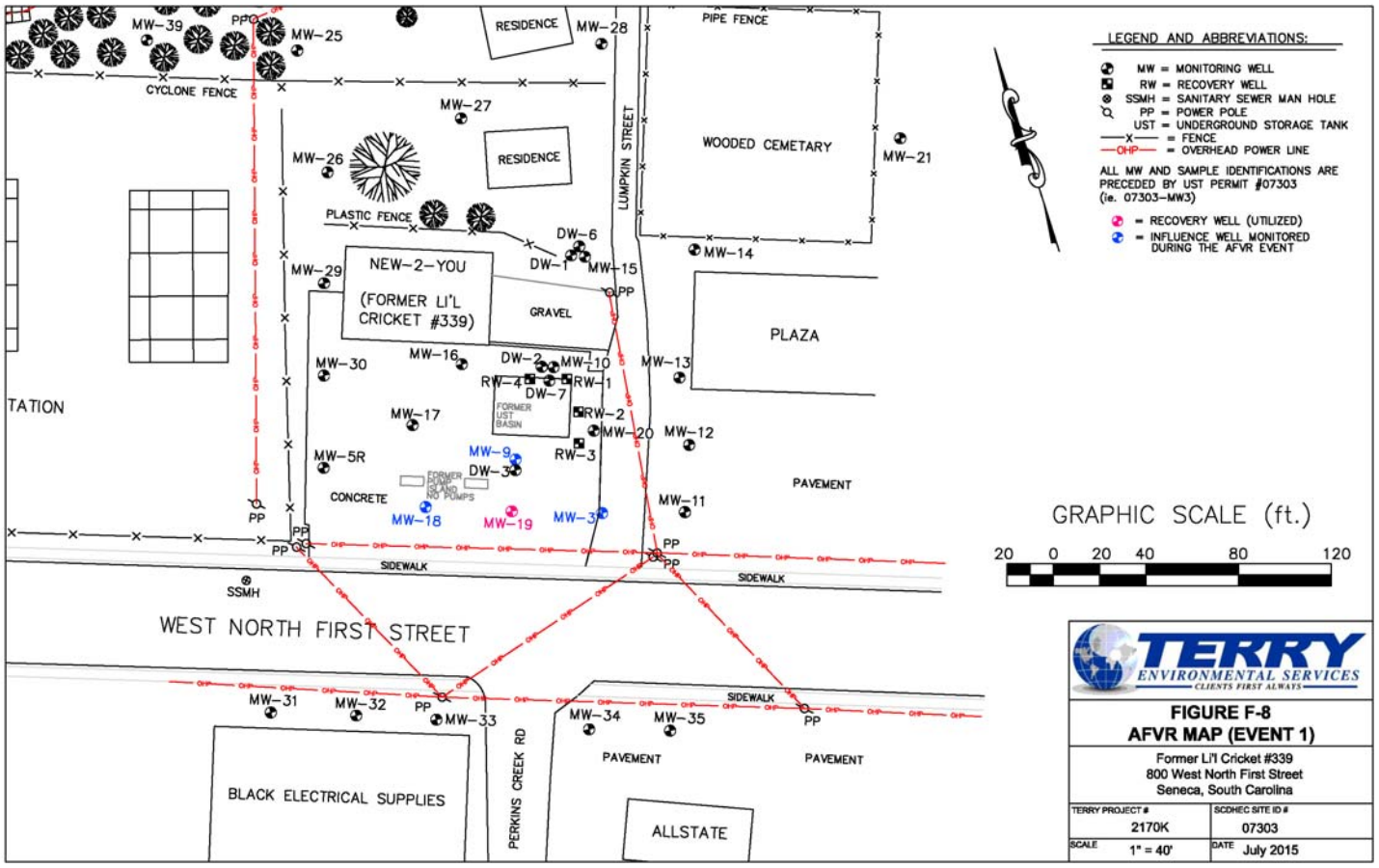
The disposal manifests for the recovery water generated during the July 13-17, 2015 and July 20-24, 2015 AFVR Events are included in Appendix G.

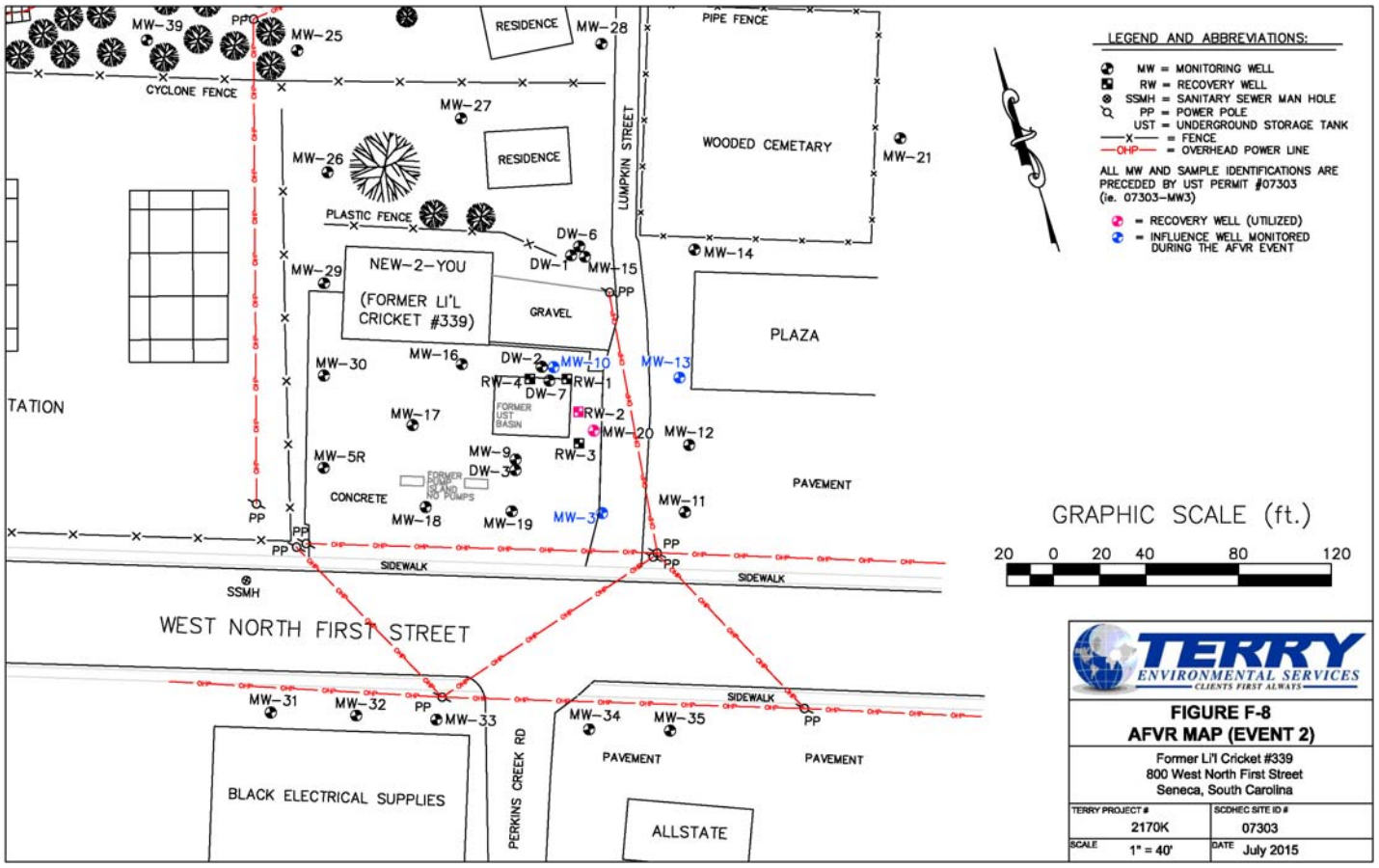
SECTION F-7
FREE PRODUCT THICKNESS TABLE (EVENT 1)
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
JULY 13-17, 2015

Well #	--	Depth to Product	Depth to Water	Product Thickness
MW-19	Initial	n/a	37.29	n/a
	Final	n/a	47.23	n/a
MW-3	Initial	n/a	38.71	n/a
	Final	n/a	38.83	n/a
MW-9	Initial	n/a	34.76	n/a
	Final	n/a	39.90	n/a
MW-18	Initial	n/a	34.81	n/a
	Final	n/a	37.34	n/a

SECTION F-7
FREE PRODUCT THICKNESS TABLE (EVENT 2)
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
JULY 20-24, 2015

Well #	--	Depth to Product	Depth to Water	Product Thickness
MW-20	Initial	n/a	40.27	n/a
	Final	n/a	42.23	n/a
RW-2	Initial	n/a	41.06	n/a
	Final	n/a	43.32	n/a
MW-3	Initial	n/a	38.82	n/a
	Final	n/a	39.42	n/a
MW-10	Initial	n/a	41.28	n/a
	Final	n/a	42.61	n/a
MW-13	Initial	n/a	42.74	n/a
	Final	n/a	43.53	n/a


LEGEND AND ABBREVIATIONS:
MW = MONITORING WELL
RW = RECOVERY WELL
SSMH = SANITARY SEWER MAN HOLE
PP = POWER POLE
UST = UNDERGROUND STORAGE TANK
X = FENCE
OHP = OVERHEAD POWER LINE
ALL MW AND SAMPLE IDENTIFICATIONS ARE PRECEDED BY UST PERMIT #07303 (ie. 07303-MW3)
= RECOVERY WELL (UTILIZED)
= INFLUENCE WELL MONITORED DURING THE AFVR EVENT
GRAPHIC SCALE (ft.)
20 0 20 40 80 120
MW-39
MW-25
RESIDENCE
MW-28
PIPE FENCE
CYCLONE FENCE
MW-27
RESIDENCE
WOODED CEMETARY
MW-21
MW-26
LUMPKIN STREET
PLASTIC FENCE
DW-6
DW-1
MW-15
MW-14
MW-29
NEW-2-YOU
(FORMER LI'L CRICKET #339)
GRAVEL
PLAZA
MW-30
MW-16
DW-2
MW-10
MW-13
RW-4
RW-1
DW-7
FORMER UST BASIN
TATION
MW-17
RW-2
MW-20
MW-12
MW-5R
MW-9
RW-3
DW-3
FORMER PUMP ISLAND NO PUMPS
CONCRETE
PAVEMENT
MW-11
MW-18
MW-19
MW-3
SIDEWALK
SSMH
WEST NORTH FIRST STREET
MW-31
MW-32
MW-33
MW-34
MW-35
PERKINS CREEK RD
PAVEMENT
BLACK ELECTRICAL SUPPLIES
ALLSTATE
TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS
FIGURE F-8
AFVR MAP (EVENT 1)
Former Li'l Cricket #339
800 West North First Street
Seneca, South Carolina
TERRY PROJECT #
2170K
SCDHEC SITE ID #
07303
SCALE
1" = 40'
DATE
July 2015


LEGEND AND ABBREVIATIONS:
MW = MONITORING WELL
RW = RECOVERY WELL
SSMH = SANITARY SEWER MAN HOLE
PP = POWER POLE
UST = UNDERGROUND STORAGE TANK
X = FENCE
OHP = OVERHEAD POWER LINE
ALL MW AND SAMPLE IDENTIFICATIONS ARE PRECEDED BY UST PERMIT #07303 (ie. 07303-MW3)
= RECOVERY WELL (UTILIZED)
= INFLUENCE WELL MONITORED DURING THE AFVR EVENT
GRAPHIC SCALE (ft.)
20 0 20 40 80 120
MW-39
MW-25
MW-28
MW-27
MW-26
MW-21
MW-14
MW-29
MW-30
MW-16
MW-17
MW-5R
MW-18
MW-19
MW-20
MW-12
MW-11
MW-31
MW-32
MW-33
MW-34
MW-35
DW-1
DW-2
DW-3
DW-6
DW-7
RW-1
RW-2
RW-3
RW-4
MW-10
MW-13
MW-3
MW-15
MW-9
PP
CYCLONE FENCE
PLASTIC FENCE
RESIDENCE
RESIDENCE
PIPE FENCE
WOODED CEMETARY
LUMPKIN STREET
NEW-2-YOU
(FORMER LI'L CRICKET #339)
GRAVEL
PLAZA
FORMER UST BASIN
FORMER PUMP ISLAND NO PUMPS
CONCRETE
PAVEMENT
SIDEWALK
SSMH
WEST NORTH FIRST STREET
BLACK ELECTRICAL SUPPLIES
PERKINS CREEK RD
ALLSTATE
TATION
TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS
FIGURE F-8
AFVR MAP (EVENT 2)
Former Li'l Cricket #339
800 West North First Street
Seneca, South Carolina
TERRY PROJECT #
2170K
SCDHEC SITE ID #
07303
SCALE
1" = 40'
DATE
July 2015

G. GRANULATED ACTIVATED CARBON INSTALLATION

Not Applicable. No granulated activated carbon units were installed during this scope of work.

H. RESULTS & DISCUSSION

1. Assessment Results

During this scope of work, two (2) separate 96-hour AFVR events were performed consecutively at the subject site. Prior to and upon completion of the two events, no free-phase product was measured in the recovery or influence wells. A total of 79.98 pounds of gasoline vapors (approximate equivalent of 12.8 gallons of gasoline) were recovered as emissions during the events.

The AFVR events were successful at recovering contaminant mass and exposing the free product smear zone to vacuum. As such, it is recommended to conduct two additional 96-hour AFVR events on the monitoring/recovery well network in the source area.

2. Aquifer Evaluation Results

Not Applicable

3. Fate & Transport Results

Not Applicable

4. Tier 1 Risk Evaluation

Not Applicable

5. Tier 2 Risk Evaluation

Not Applicable

I. TABLES

1. Soil Analytical Data

Table 1 Soil Analytical Data - Not Applicable

2. Potentiometric Data

Table 2 Potentiometric Data - Not Applicable

3. Laboratory Data

Table 3 Groundwater Laboratory Data - Not Applicable

4. Aquifer Characteristics

Table 4 Aquifer Characteristics - Not Applicable

5. Site Conceptual Model

Table 5 Site Conceptual Model - Not Applicable

J. FIGURES

1. Topographic Map

Figure 1 Topographic Map - Attached

2. Site Base Map

Figure 2 Site Base Map - Attached

3. CoC Site Maps

Figure 3 Soil CoC Map - Not Applicable

Figure 4 Groundwater CoC Map - Not Applicable

4. Site Potentiometric Maps

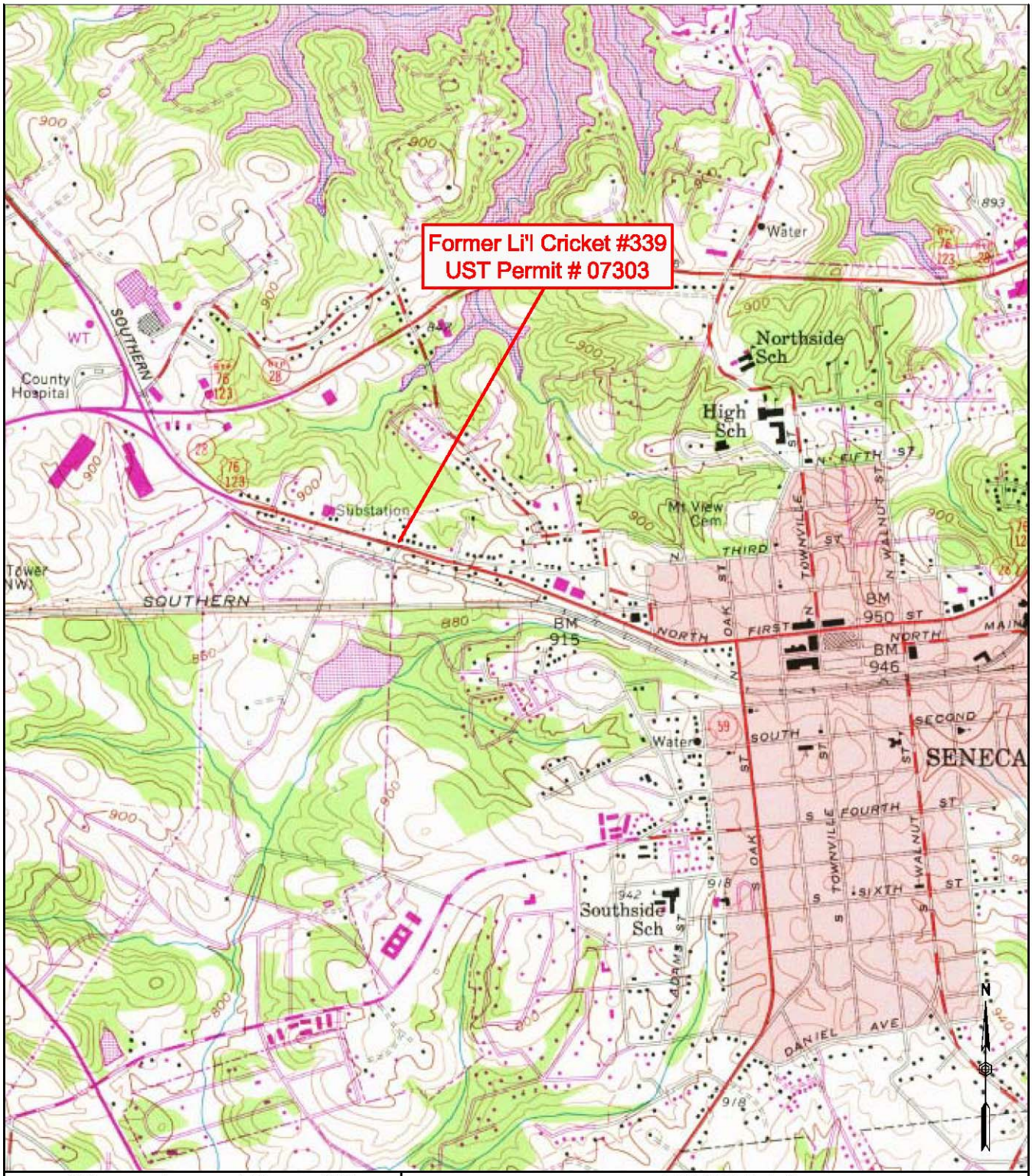
Figure 5 Site Potentiometric Map – Not Applicable

5. Geologic Cross Sections

Figure 6 Geologic Cross Sections - Not Applicable

6. Predicted Migration and Attenuation of CoCs

Figure 7 Predicted Migration and Attenuation of CoCs - Not Applicable



1,000 0 1,000 2,000
FEET

FIGURE 1
TOPOGRAPHIC MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, South Carolina

TERRY ENVIRONMENTAL SERVICES
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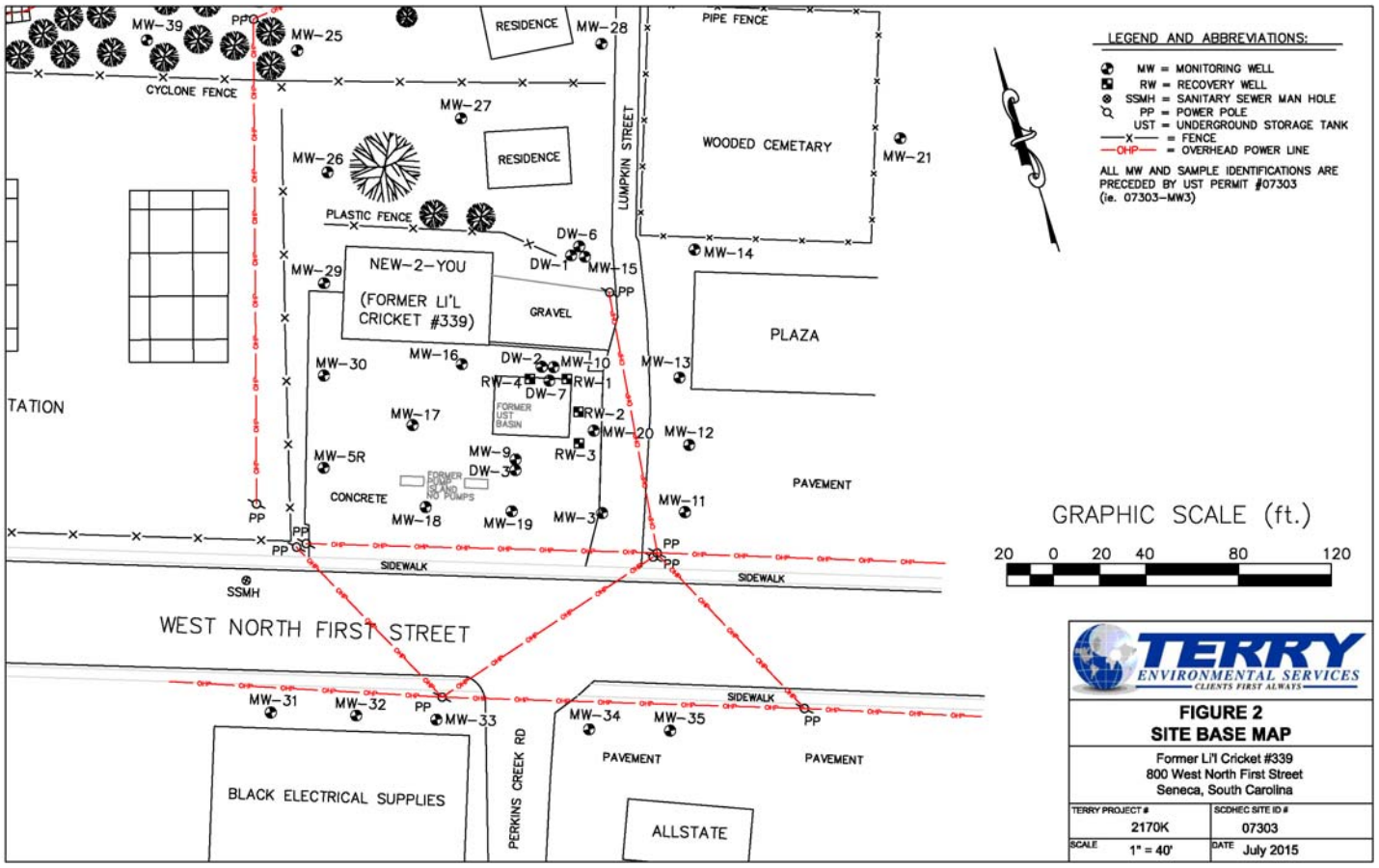
... providing our clients with the best services available, actually understanding our clients objectives, and making their obectives our own!

PO Box 25
Summerville, South Carolina 29484
(800) 325-0605 (843)-873-8200 fax: (843)-873-8765

SIZE	TERRY Project No.	DWG NO.	REV
B	2170K	Figure 1 Topo Map	

SCALE: As Shown

DATE: July 2015



TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

FIGURE 2
SITE BASE MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, South Carolina

TERRY PROJECT #	SCDHEC SITE ID #
2170K	07303
SCALE 1" = 40'	DATE July 2015

K. APPENDICES

1. Appendix A: Site Survey

Not Applicable

2. Appendix B: Sampling Logs and Laboratory Data

Not Applicable

3. Appendix C: Tax Map

Not Applicable

4. Appendix D: Soil Boring/Field Screening Logs

Not Applicable

5. Appendix E: Well Completion Logs/SCDHEC 1903 Forms

Not Applicable

6. Appendix F: Aquifer Evaluation Forms

Not Applicable

7. Appendix G: Disposal Manifests

8. Appendix H: Local Zoning Regulations

Not Applicable

9. Appendix I: Fate and Transport Modeling Data

Not Applicable

10. Appendix J: Access Agreements

Not Applicable

11. Appendix K: Data Verification Checklist

APPENDIX A

Site Survey
(Not Applicable)

APPENDIX B

Sampling Logs and Laboratory Data
(Not Applicable)

APPENDIX C

Tax Map
(Not Applicable)

APPENDIX D

Soil Boring/Field Screening Logs
(Not Applicable)

APPENDIX E

Well Completion Logs/SCDHEC 1903 Forms
(Not Applicable)

APPENDIX F

Aquifer Evaluation Forms
(Not Applicable)

APPENDIX G

Disposal Manifests

US Water Recovery

Non-Hazardous Manifest: Waste Water or Drums

Number:

1. Generator's EPA ID# (if applicable): Waste ID Number:

2. Generator's Name and Mailing Address: 41 Cricket #339 Lampkin ST Seneca SC — Phone ( ) P O #: 2170K

3. Agent of Generator and Mailing Address: Terry Environmental Summerville SC — Phone ( ) P O #:

4. Transporter Company Name: Goodsell Services 511 old Mt Holly Rd Goose Creek SC 29445 — Phone ( )

Truck & Trailer License Number:

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address:
US Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Mailing Address:
US Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Phone: (843) 797-3111
Fax: (843) 797-1884

7 Facility U.S. EPA ID#:

Start Level: End Level: Total Gallons: Tank Number

8. U.S. DOT Description	Container No.	Container Type	Unit	Quantity
a. Non-Hazardous, non-regulated waste water	103	LT	Gal	3100

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: Adam Knight Signature: [signature] Date: 7/23/15

10. Transporter Acknowledgement of Receipt of Materials
Printed/Typed Name: Daniel Kinsman Signature: [signature] Date: 7/23/15

11. Discrepancy Indication space:

12. Facility Owner or Operator: Certification of Receipt of Materials
Printed/Typed Name: [signature] Signature: [signature] Date 7-23-15

White - Facility Yellow - Office Pink - Transporter Blue - Generator

11925

US Water Recovery

Non-Hazardous Manifest: Waste Water or Drums

Number:

1. Generator's EPA ID# (if applicable): | Waste ID Number:

2. Generator's Name and Mailing Address: Lil Caddy
Lumpkin ST
Seneca SC
Phone ( )
P O #:

3. Agent of Generator and Mailing Address: Terry Env
Summerville SC
Phone ( )
P O #:

4. Transporter Company Name: Goodsell Services
511 old Mt Holly Rd
Goose Creek SC 29445
Phone ( )

Truck & Trailer License Number:

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address:
US Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Mailing Address:
US Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Phone: (843) 797-3111
Fax: (843) 797-1884

7 Facility U.S. EPA ID#:

Start Level: | End Level: | Total Gallons: | Tank Number

8. U.S. DOT Description	Container No.	Container Type	Unit	Quantity
a. Non-Hazardous, non-regulated waste water	103	VT	Gal	1650

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: Adam Knight | Signature: | Date: 7/24/15

10. Transporter Acknowledgement of Receipt of Materials
Printed/Typed Name: Daniel Kinsman | Signature: | Date: 7/24/15

11. Discrepancy Indication space:

12. Facility Owner or Operator Certification of Receipt of Materials
Printed/Typed Name: David Ward | Signature: | Date 7-24-15

White - Facility | Yellow - Office | Pink - Transporter | Blue - Generator

11926

APPENDIX H

Local Zoning Regulations
(Not Applicable)

APPENDIX I

Fate and Transport Modeling Data
(Not Applicable)

APPENDIX J

Access Agreements
(Not Applicable)

APPENDIX K

Data Verification Checklist

Contractor Checklist – Former Li'l Cricket #339

UST Permit #07303 - TERRY Project #2170K

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			X
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?			X
7	Has the facility history been summarized?	X		
8	Has the regional geology and hydrogeology been described?	X		
9	Are the receptor survey results provided as required?			X
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?	X		
12	Has the primary soil type been described?	X		Sect. B3
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?			X
17	Has the method of well development been detailed?			X
18	Has justification been provided for the locations of the monitoring wells?			X
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	X		
20	Has the groundwater sampling methodology been detailed?			X
21	Have the groundwater sampling dates and groundwater measurements been provided?			X
22	Has the purging methodology been detailed?			X
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?			X
24	If free-product is present, has the thickness been provided?			X
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)			X
34	Has the current and historical laboratory data been provided in tabular format?			X

Item #	Item	Yes	No	N/A
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			X
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)			X
40	Has the site potentiometric map been provided? (Figure 5)			X
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)			X
45	Is the laboratory performing the analyses properly certified?			X
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)			X
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			X
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	X		

Explanation for missing and incomplete information?

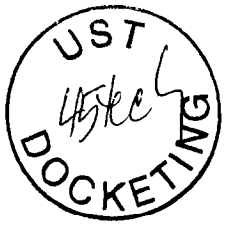
Not Applicable for the current directive.

D H E C

PROMOTE PROTECT PROSPER

Catherine E. Heigel, Director

Promoting and protecting the health of the public and the environment



MR JAMES P ZUBER
LIL CRICKET FOOD STORES INC
SEVEN WHITE ASH DR
ASHEVILLE NC 28803

MAR 0 9 2016

Re: Site-specific work plan request
Former Li'l Cricket #339, 800 North West First Street, Seneca, SC
UST Permit #07303
Release reported April 27, 1989
Oconee County

Dear Mr. Zuber:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (Agency) recognizes your commitment to continue work at this site using Terry Environmental Services, Inc. as your contractor. The next scope of work is ground-water sampling as outlined in UST Quality Assurance Program Plan (QAPP) Revision 3.0. Please have your contractor plan to sample all monitoring wells, recovery wells, and surface water locations SW-1 and SW-2 for BTEX+naph+MtBE+DCA+oxygenates. Do not sample wells containing measureable free-phase product. All work must be done in accordance with QAPP Revision 3.0 and in compliance with all applicable regulations. A copy of QAPP Revision 3.0 is available at http://www.scdhec.gov/Environment/docs/QAPPRevision3.0.pdf.

Your contractor must complete and submit a site-specific work plan and cost proposal for the sampling within 30 days of the date of this letter. Upon review and approval of the plan and cost proposal, the Division will issue a directive to you for the work.

On all correspondence concerning this site, please reference UST Permit #07303. If there are any questions, feel free to contact me by telephone at (803) 898-0655, by fax at (803) 898-0673, or by e-mail at padgetjp@dhec.sc.gov.

Sincerely,

Joel P. Padgett, P.G., Geologist/Hydrologist
Corrective Action Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

JPP/jpp
07303.sswp2

cc: Terry Environmental Services, Inc., P.O. Box 25, Summerville, SC 29484
Thomas Glenn, 800 West North 1st Street, Seneca, SC 29678
Technical file

D H E C
PROMOTE PROTECT PROSPER

Site-Specific Work Plan for Approved ACQAP
Underground Storage Tank Management Division

UST MAR 1 8 2016 PROGRAM

To: Joel Padgett (SCDHEC Project Manager)
From: Kelly Cone (Contractor Project Manager)
Contractor: TERRY Environmental UST Contractor Certification Number: UCC-0223

Facility Name: Former Li'l Cricket #339 UST Permit #: 07303
Facility Address: 800 West North First Street, Seneca, South Carolina 29678
Responsible Party: Li'l Cricket Convenience Store (Mr. Jim Zuber) Phone: 910-512-9692
RP Address: 7 White Ash Drive, Asheville, NC 28803
Property Owner (if different): Thomas & Dorothy Glenn
Property Owner Address: 800 West North First Street, Seneca, South Carolina 29678
Current Use of Property: Commercial Property

UST 46 feet DOCKETING

Scope of Work (Please check all that apply)

☐ IGWA ☐ Tier II ☑ Groundwater Sampling ☐ GAC
☐ Tier I ☐ Monitoring Well Installation ☐ Other _____

Analyses (Please check all that apply)

Groundwater/Surface Water:

☑ BTEXNMDCA (8260B) ☐ Lead ☐ BOD ☐ Methane
☑ Oxygenates (8260B) ☐ 8 RCRA Metals ☐ Nitrate ☐ Ethanol
☐ EDB (8011) ☐ TPH ☐ Sulfate ☐ Dissolved Iron
☐ PAH (8270D) ☐ pH ☐ Other _____

Soil:

☐ BTEXN ☐ 8 RCRA Metals ☐ TPH-DRO (3550B/8015B) ☐ Grain Size
☐ PAH ☐ Oil & Grease (9071) ☐ TPH-GRO (5030B/8015B) ☐ TOC

Air:

☐ BTEXN

Sample Collection (Estimate the number of samples of each matrix that are expected to be collected.)

-- Soil -- Water Supply Wells -- Air 3 Field Blank
55 Monitoring Wells 2 Surface Water 3 Duplicate 3 Trip Blank

Field Screening Methodology

Estimate number and total completed depth for each point, and include their proposed locations on the attached map.
# of shallow points proposed: _____ Estimated Footage: _____ feet per point
# of deep points proposed: _____ Estimated Footage: _____ feet per point
Field Screening Methodology: _____

Permanent Monitoring Wells

Estimate number and total completed depth for each well, and include their proposed locations on the attached map.
# of shallow wells: _____ Estimated Footage: _____ feet per point
# of deep wells: _____ Estimated Footage: _____ feet per point
# of recovery wells: _____ Estimated Footage: _____ feet per point
Monitoring Well development method (consistent with SOP): _____
Comments, if warranted:

_____
_____
_____

UST Permit #: 07303 Facility Name: Former Li'l Cricket #339

Implementation Schedule (Number of calendar days from approval)
Field Work Start-Up: 14-30 days Field Work Completion: 30-45 days
Report Submittal: 60 days # of Copies Provided to Property Owners: _____

Aquifer Characterization
Pump Test: ☐ Slug Test: ☐ (Check one and provide explanation below for choice)

Investigation Derived Waste Disposal
Soil: – Tons Purge Water: 110 Gallons
Drilling Fluids: – Gallons Free-Phase Product: – Gallons

Additional Details For This Scope of Work
For example, list wells to be sampled, wells to be abandoned/repaired, well pads/bolts/caps to replace, details of AFVR event, etc.
Conduct a comprehensive sampling event; monitoring wells MW-3, MW-5R, MW-9 thru MW-48, DW-1 thru DW-3, DW-5 thru DW-7, DW-9 thru DW-11, recovery wells RW-1 thru RW-4, and surface water locations SW-1 and SW-2 will be sampled. Only the monitoring wells with a water column that is not bracketed by the screened interval will be purged prior to sampling as the wells were last sampled in April 2015. Monitoring well MW-23 was obstructed and wells MW-43, MW-45, MW-47, and MW-48 were not previously located. TERRY will make every effort to locate and sample these wells.

Compliance With Annual Contractor Quality Assurance Plan (ACQAP)
Yes Laboratory as indicated in ACQAP? (Yes/No) If no, indicate laboratory information below.
Name of Laboratory: _____
SCDHEC Certification Number: _____
Name of Laboratory Director: _____

____ Well Driller as indicated in ACQAO? (Yes/No) If no, indicate driller information below.
Name of Well Driller: _____
SCLLR Certification Number: _____

____ Other variations from ACQAP. Please describe below.

Attachments
1. Attach a copy of the relevant portion of the USGS topographic map showing the site location.
2. Prepare a site base map. This map must be accurately scaled, but does not need to be surveyed. The map must include the following:
   - North Arrow
   - Location of property lines
   - Location of buildings
   - Previous soil sampling locations
   - Previous monitoring well locations
   - Proposed soil boring locations
   - Proposed monitoring well locations
   - Legend with facility name and address, UST permit number, and bar scale
   - Streets or highways (indicate names and numbers)
   - Location of all present and former ASTs and USTs
   - Location of all potential receptors
3. Assessment Component Cost Agreement, SCDHEC Form D-3664

D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

ASSESSMENT COMPONENT INVOICE

SOUTH CAROLINA

Department of Health and Environmental Control

Underground Storage Tank Management Division

State Underground Petroleum Environmental Response Bank Account

May 15, 2014

Facility Name: Former Li'l Cricket #339

UST Permit #: 07303 **Cost Agreement #:** Proposal

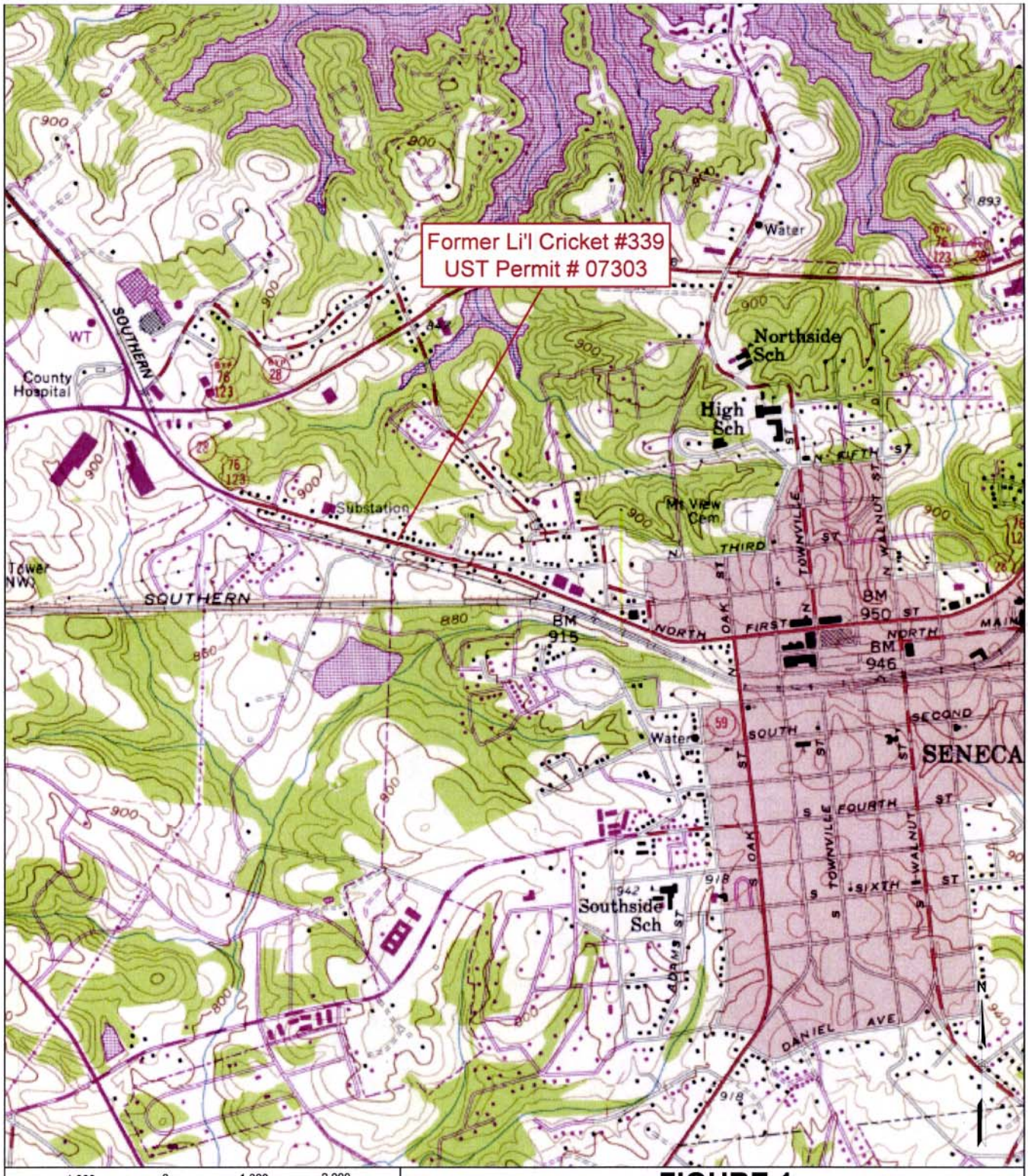
ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
1. **Plan Preparation**				
A1. Site-specific Work Plan	1	each	$150.00	$150.00
B1. Tax Map		each	$70.00	$0.00
C1. Tier II or Comp. Plan /QAPP Appendix B		each	$250.00	$0.00
2. A1. **Receptor Survey ***		each	$551.00	$0.00
3. **Survey (500 ft x 500 ft)**				
A1. Comprehensive Survey		each	$1,040.00	$0.00
B. Subsurface Geophysical Survey				
1B. < 10 meters below grade		each	$1,300.00	$0.00
2B. > 10 meters below grade		each	$2,310.00	$0.00
C1. Geophysical UST or Drum Survey		each	$910.00	$0.00
4. **Mob/Demob**				
A1. Equipment		each	$1,020.00	$0.00
B1. Personnel	1	each	$423.00	$423.00
C1. Adverse Terrain Vehicle		each	$500.00	$0.00
5. A1. **Soil Borings (hand auger)***		foot	$5.00	$0.00
6. **Soil Borings (requiring equipment, push technology, etc)* or Field Screening (including water sample, soil sample, soil gas sample, etc.)***				
AA. Standard		per foot	$15.00	$0.00
C1. Fractured Rock		per foot	$20.20	$0.00
7. A1. **Soil Leachability Model**		each	$60.00	$0.00
8. **Abandonment (per foot)***				
A1. 2" diameter or less		per foot	$3.10	$0.00
B1. Greater than 2" to 6" diameter		per foot	$4.50	$0.00
C1. Dug/Bored well (up to 6 feet diameter)		per foot	$15.00	$0.00
9. **Well Installation (per foot)***				
A1. Water Table (hand augered)		per foot	$10.60	$0.00
B1. Water Table (drill rig)		per foot	$38.00	$0.00
CC. Telescoping		per foot	$50.00	$0.00
DD. Rock Drilling		per foot	$58.00	$0.00
E1. 2" Rock Coring		per foot	$30.90	$0.00
G1. Rock Multi-sampling ports/screens		per foot	$33.40	$0.00
HH. Recovery Well (4" diameter)		per foot	$45.00	$0.00
II. Pushed Pre-packed screen (1.25" dia)		per foot	$15.00	$0.00
J1. Rotosonic (2" diameter)		per foot	$44.00	$0.00
K. Re-develop Existing Well		per foot	$11.00	$0.00
10. **Groundwater Sample Collection / Gauge Depth to Water or Product ***				
A1. Groundwater Purge	9	per well/receptor	$60.00	$540.00
B1. Air or Vapors		per receptor	$12.00	$0.00
C1. Water Supply		per well/receptor	$22.00	$0.00
D1. Groundwater NP (46), SW (2), or Dup (3)	51	per well/receptor	$28.00	$1,428.00
E1. Gauge Well only		per well	$7.00	$0.00
F1. Sample Below Product		per well	$12.00	$0.00
G1. Passive Diffusion Bag		each	$26.00	$0.00
H1. Field Blank	3	each	$24.60	$73.80

11. Laboratory Analyses-Groundwater					
A2. BTEXNM+Oxyg's+1,2 DCA+Eth(8260B)	66	per sample	$122.00		$8,052.00
AA1. Lead, Filtered		per sample	$13.80		$0.00
B2. Rush EPA Method 8260B (All of item A.)		per sample	$153.60		$0.00
C2. Trimethal, Butyl, and Isopropyl Benzenes		per sample	$36.40		$0.00
D1. PAH's		per sample	$60.60		$0.00
E1. Lead		per sample	$16.00		$0.00
F1. EDB by EPA 8011		per sample	$45.20		$0.00
FF1. EDB by EPA Method 8011 Rush		per sample	$68.20		$0.00
G1. 8 RCRA Metals		per sample	$63.40		$0.00
H1. TPH (9070)		per sample	$41.00		$0.00
II. pH		per sample	$5.20		$0.00
J1. BOD		per sample	$20.00		$0.00
PP. Ethanol		per sample	$14.80		$0.00
11. Analyses-Soil					
Q1. BTEX + Naphth.		per sample	$64.00		$0.00
R1. PAH's		per sample	$64.04		$0.00
S1. 8 RCRA Metals		per sample	$56.40		$0.00
U1. TPH-DRO (3550C/8015C)		per sample	$40.00		$0.00
V1. TPH- GRO (5030B/8015C)		per sample	$35.96		$0.00
W1. Grain size/hydrometer		per sample	$104.00		$0.00
X1. Total Organic Carbon		per sample	$30.60		$0.00
11. Analyses-Air					
Y1. BTEX + Naphthalene		per sample	$216.00		$0.00
11. Analyses-Free Phase Product					
Z1. Hydrocarbon Fuel Identification		per sample	$357.00		$0.00
12. Aquifer Characterization					
A1. Pumping Test*		per hour	$23.00		$0.00
B1. Slug Test*		per test	$191.00		$0.00
C1. Fractured Rock		per test	$100.00		$0.00
13. A1. **Free Product Recovery Rate Test***		each	$38.00		$0.00
14. Fate/Transport Modeling					
A1. Mathematical Model		each	$100.00		$0.00
B1. Computer Model		each	$100.00		$0.00
15. Risk Evaluation					
A. Tier I Risk Evaluation		each	$300.00		$0.00
B1. Tier II Risk Evaluation		each	$100.00		$0.00
16. A1. **Subsequent Survey***		each	$260.00		$0.00
17. Disposal (gallons or tons)*					
AA. Wastewater	110	gallon	$0.56		$61.60
BB. Free Product		gallon	$0.50		$0.00
C1. Soil Treatment/Disposal		ton	$60.00		$0.00
D1. Drilling fluids		gallon	$0.42		$0.00
18. Miscellaneous (attach receipts)					
		each	$0.00		$0.00
		each	$0.00		$0.00
		each	$0.00		$0.00
20. Tier I Assessment (Use DHEC 3665 form)		standard			$0.00
21. IGWA (Use DHEC 3666 form)		standard			$0.00
22. Corrective Action (Use DHEC 3667 form)		PFP Bid			$0.00

23. **Aggressive Fluid & Vapor Recovery (AFVR)**					
A1. 8-hour Event*		each	$1,375.00		$0.00
AA. 24-hour Event*		each	$3,825.00		$0.00
A3. 48-hour Event*		each	$6,265.00		$0.00
A4. 96-hour Event*		each	$12,567.50		$0.00
C1. Off-gas Treatment 8 hour		per event	$122.50		$0.00
C2. Off-gas Treatment 24 hour		per event	$241.50		$0.00
C3. Off-gas Treatment 48 hour		per event	$327.00		$0.00
C4. Off-gas Treatment 96 hour		per event	$780.00		$0.00
D. Site Reconnaissance		each	$203.25		$0.00
E1. Additional Hook-ups		each	$25.75		$0.00
F1. Effluent Disposal		gallon	$0.44		$0.00
G. AFVR Mobilization/Demobilization		each	$391.50		$0.00
24. **Granulated Activated Carbon (GAC) filter system installation & service:**					
A1. New GAC System Installation*		each	$1,900.00		$0.00
BB. Refurbished GAC Sys. Install*		each	$900.00		$0.00
C1. Filter replacement/removal*		each	$350.00		$0.00
DD. GAC System removal, cleaning, & refurbishment*		each	$275.00		$0.00
E1. GAC System housing*		each	$250.00		$0.00
F. In-line particulate filter		each	$150.00		$0.00
G1. Additional piping & fittings		foot	$1.50		$0.00
25. **Well Repair**					
A1. Additional Copies of the Report Delivered		each	$50.00		$0.00
B1. Repair 2x2 MW pad*		each	$50.00		$0.00
C1. Repair 4x4 MW pad*		each	$88.00		$0.00
D1. Repair well vault*		each	$118.00		$0.00
F1. Replace well cover bolts		each	$2.60		$0.00
G. Replace locking well cap & lock		each	$15.00		$0.00
H1. Replace/Repair stick-up*		each	$134.00		$0.00
I1. Convert Flush-mount to Stick-up*		each	$150.00		$0.00
J1. Convert Stick-up to Flush-mount*		each	$130.00		$0.00
K1. Replace missing/illegible well ID plate		each	$12.00		$0.00
Report Prep & Project Coordination	12%	percent	$10,728.40		$1,287.41
TOTAL					$12,015.81

*The appropriate mobilization cost can be added to complete these tasks, as necessary.

DHEC



1,000 0 1,000 2,000
FEET

FIGURE 1
TOPOGRAPHIC MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, South Carolina

TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

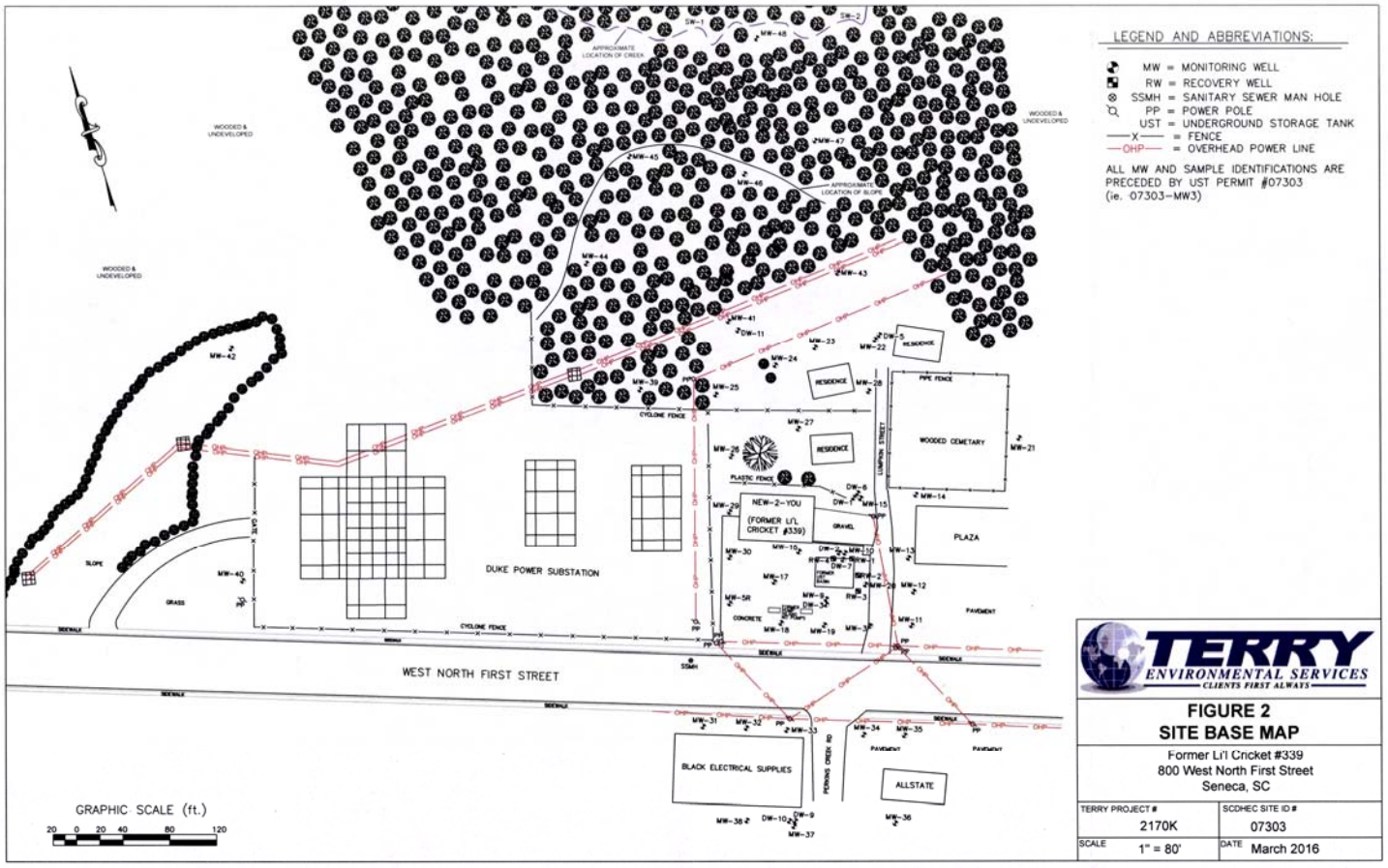
providing our clients with the best services available, actually understanding our clients objectives, and making their obectives our own!

PO Box 25
Summerville, South Carolina 29484
(800) 325-0605 (843)-873-8200 fax (843)-873-8765

SIZE	TERRY Project No.	DWG NO.	REV
B	2170L	Figure 1 Topo Map	

SCALE: As Shown

DATE: March 2016



TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

FIGURE 2
SITE BASE MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170K	07303
SCALE 1" = 80'	DATE March 2016

D H E C

PROMOTE PROTECT PROSPER

Catherine E. Heigel, Director

Promoting and protecting the health of the public and the environment

MR JAMES P ZUBER
LIL CRICKET FOOD STORES INC
SEVEN WHITE ASH DR
ASHEVILLE NC 28803

MAR 2 5 2016

Re: Ground-water sampling directive
Former Li'l Cricket #339, 800 North West First Street, Seneca, SC
UST Permit #07303; CA #52204
Release reported April 27, 1989
Site-specific work plan (SSWP) received March 18, 2016
Oconee County

UST 147 tech DOCKETING

Dear Mr. Zuber:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (Agency) has reviewed and approved the referenced site-specific work plan (SSWP) submitted by Terry Environmental Services, Inc.. Ground-water sampling as outlined in the plan may proceed immediately upon receipt of this letter. The work must be done in accordance with QAPP Revision 3.0 and in compliance with all applicable regulations. A copy of QAPP Revision 3.0 is available at http://www.scdhec.gov/Environment/docs/QAPPRevision3.0.pdf.

Cost Agreement (CA) #52204 been approved in the amount shown on the enclosed cost agreement form for the sampling of 55 monitoring/recovery wells and surface water locations SW-1 and SW-2 for BTEX+naph+MtBE+DCA+oxygenates. Do not sample wells containing measurable (0.01') free-phase product. Please note that all applicable South Carolina certification requirements apply to the sampling and report preparation. Further, all site rehabilitation activities must be performed and submitted by a South Carolina-Certified Underground Storage Tank Site Rehabilitation Contractor.

A monitoring report, contractor checklist (QAPP Appendix K), and invoice are due within 60 days from the date of this letter. Your contractor may directly bill the State Underground Petroleum Environmental Response Bank (SUPERB) Account. Interim invoices may not be submitted for this scope of work. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay it will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

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 Agency is obtained. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be pre-approved by the Agency for the cost to be paid. The Agency 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, the Agency reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

The UST Management Division grants pre-approval for transportation of petroleum-contaminated, investigative-derived waste (IDW) from the referenced site to a permitted treatment/disposal facility. The transport and disposal must be conducted in accordance with QAPP revision 3.0.

On all correspondence concerning this facility, please reference UST Permit #07303. If there are any questions concerning this project, feel free to contact me by telephone at (803) 898-0655, by fax at (803) 898-0673, or by e-mail at padgetjp@dhec.sc.gov.

Sincerely,

Joel P. Padgett, P.G., Geologist/Hydrologist
Corrective Action Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

JPP/jpp
11311.mr2

enc: Approved cost agreement form

cc Terry Environmental Services, Inc., P.O. Box 25, Summerville, SC 29484 (w/enc)
Thomas Glenn, 800 West North 1st Street, Seneca, SC 29678 (w/enc)
Technical file (w/enc)

Approved Cost Agreement 52204

Facility. 07303 LIL CRICKET 339

PADGETJP

PO Number.

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
01 PLAN						
		A1	SITE SPECIFIC WORK PLAN	1.0000	$150.000	150 00
04 MOB/DEMOB						
		B1	PERSONNEL	3 0000	$423 000	1,269.00
10 SAMPLE COLLECTION						
		A1	GROUNDWATER (PURGE)	9.0000	$60.000	540.00
		D1	GROUNDWATER NO PURGE/DUPLICATE	51 0000	$28 000	1,428.00
		H1	FIELD BLANK	3 0000	$24.600	73 80
11 ANALYSES						
	GW GROUNDWATER	A2	BTEXNM+OXYGS+1,2-DCA+ETH-8260B	66 0000	$122.000	8,052 00
17 DISPOSAL						
		AA	WASTEWATER	110 0000	$0.560	61.60
19 RPT/PROJECT MNGT & COORDINATIO						
		PRT	REPORT PREPARATION	0 1200	$11,574.400	1,388.93
				Total Amount		12,963.33

Document Receipt Information

☐ Hard Copy ☒ CD ☐ Email

Date Received 4-26-16

Permit Number 07303

Project Manager Joel Padgett

Name of Contractor TES

UST Certification Number _____

Docket Number 48tech

Scanned _____

GWM

GROUNDWATER MONITORING REPORT
FORMER LI'L CRICKET #339
800 WEST NORTH FIRST STREET
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
CA #52204

Prepared For:

SCDHEC UNDERGROUND STORAGE TANK PROGRAM
2600 BULL ST.
COLUMBIA, SC 29201

Submitted By:

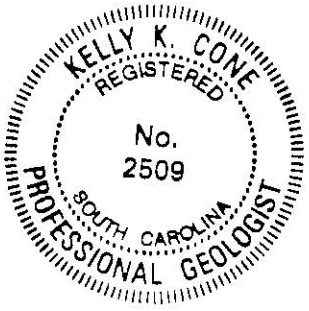
TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. BOX 25
SUMMERVILLE, SOUTH CAROLINA 29484
(843) 873-8200
Fax (843) 873-8765
www.terryenvironmental.com

UST CONTRACTOR #UCC-0223
TERRY PROJECT #2170L

Kelly K. Cone, PG
Vice President, Assessment Services

Jason A. Terry, PG
President



APRIL 2016

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A. INTRODUCTION

1. UST Facility and Owner/Operator Information

Facility Name (Permit #) : Former Li'l Cricket #339 (07303)
Facility Address: 800 West North First Street, Seneca, South Carolina 29678
Facility Telephone: n/a – Not Operating

Owner/ Operator Name: Li'l Cricket Convenience Stores (Mr. Jim Zuber)
Owner/ Operator Address: 2010 Viburnum Lane, Asheville, NC 28803
Owner/ Operator Telephone: 910-512-9692

2. Property Owner Information

Name: Thomas & Dorothy Glenn
Address: 800 West North First Street, Seneca, South Carolina 29678
Telephone: 864-710-8747

3. Contractor Information

Name: Terry Environmental Services, Inc.
Address: P.O. Box 25, Summerville, South Carolina 29484
Telephone: 843-873-8200
Certification: UCC-0223

4. Well Driller Information

Not Applicable

5. Laboratory Information

Name: Shealy Environmental Services Inc. (Shealy)
Address: 106 Vantage Point Drive, Columbia, SC 29172
Telephone: 803-791-9700
Certification: 32010

6. Site History

Date Release Reported to SCDHEC: April 27, 1989
Estimated Quantity of Product Released: Unknown
Cause of Release: Unknown
Current use of Facility: Commercial property

UST #	Product	Date Installed	Currently In Use (Yes or No)	If not in use, Date Removed
1 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
2 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
3 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
4 (4,000 gal)	Kerosene	Unknown	No	2/22/2000

Other Releases at this site? Yes _____ No **XXXX**
If yes, Date Release Reported to SCDHEC n/a
Status of Release: **n/a**
No Further Action Date: n/a

7. Regional Geology and Hydrogeology

The Former Li'l Cricket #339 site is located in Seneca, SC which lies in the Western Piedmont Province of South Carolina approximately 20 miles to the southeast of the Brevard fault zone. The western piedmont is comprised of the Inner Piedmont block, the Smith River allochthon, and the Sauratwon Mountain window. The Inner Piedmont block encompasses the Inner Piedmont belt and the Chauga belt, and consists of a composite stack of thrust sheets containing a variety of gneisses, schists, amphibolites, sparse ultramafic bodies, and intrusive granitoids. (The Geology of the Carolinas, Horton & Zullo, 1991)

The Former Li'l Cricket #339 site is located in the Inner Piedmont Belt which consists of sillimanite-grade regional metamorphism that decreases in grade to the northwest towards Pickens. Generally, wells drilled to depths less than 250 feet in the rocks of the Inner Piedmont Belt of Pickens County yield one-half to 500 gallons per minute. The highest average yields were obtained from wells drilled in biotite granite gneiss and the lowest average yields were from wells drilled in hornblende gneiss. The average yield of all wells inventoried was 21 gallons per minute. (USGS/SCWRC Report 1: A Reconnaissance of the Water Resources of Pickens County, South Carolina, 1968)

B. RECEPTOR SURVEY & SITE DATA

1. Receptor Survey Results

A receptor survey was not conducted during this scope of work.

2. Current Site and Adjacent Land Use

Description of current site use (commercial, residential, rural, etc.):
Commercial

Description of adjacent land use (commercial, residential, rural, etc):
Commercial, residential, and Duke Power substation

UST sites within a 1,000-foot radius:
Unknown

The site is located at 800 West North First Street in Seneca, South Carolina. The site is bordered to the north by residential property, to the east by commercial property, to the south by West North First Street, and to the west by a Duke Power substation. Further to the south across West North First Street are commercial properties. The general site location is shown on the Topographic Map provided in Section J as Figure 1. A detailed Site Base Map originating from a comprehensive survey completed by Jay S. Joshi (SC Registered Land Surveyor #14811) of Construction Support Services, Inc. on October 8, 2008 is provided in Appendix 1 as Figure 2.

3. Site-Specific Geology and Hydrogeology

Based on the Tier II Assessment reported in March 2009, the general soil profile onsite consists of mostly clayey silt and sandy silt. Partially weathered rock and/or bedrock were encountered at depths ranging from approximately 28 feet to 45 feet below ground surface (bgs). The Site Potentiometric Maps (Figures 5A and 5B, Section J) indicate that shallow groundwater flow is generally to the north and deep groundwater flow is generally to the north-northeast.

C. SOIL ASSESSMENT/FIELD SCREENING INFORMATION & METHODOLOGY

Not Applicable. No soil or groundwater borings were installed during this scope of work.

D. MONITORING WELL INFORMATION

Not Applicable. No monitoring wells were installed during this scope of work.

E. GROUNDWATER DATA

1. Groundwater Sampling Methodology

TERRY conducted a comprehensive sampling event at the site between April 4 and April 6, 2016. Just prior to the sampling event, the monitoring wells were gauged with an oil/water interface probe to determine depth to groundwater measurements and the presence or absence of free-phase petroleum. Water level was recorded to the nearest 0.01 foot and total well depth was recorded to the nearest 0.1 foot. Off-site monitoring wells MW-43, MW-44 and MW-45 could not be located due to heavy vegetation. Two surface water samples (SW-1 and SW-2) were also collected from the creek located in the wooded area to the north of the subject site.

Sampling was conducted from the least contaminated wells to the most contaminated wells based on the previous assessment data. A clean purge pump with new disposable tubing was utilized for purging the wells with large casing volumes and/or adequate recharge rates. Groundwater samples were collected from each monitoring well with a new disposable bailer. Bailers with new colorless nylon rope were slowly lowered into the top of the water column, allowed to fill, and slowly removed to minimize turbidity and disturbance of the volatile organic compounds (VOCs). The surface water samples were also collected with a new disposable bailer.

Trip blanks, field blanks, and field duplicates were prepared or collected in accordance with the SCDHEC UST QAPP, Revision 3.0. One trip blank was shipped with each cooler and analyzed for VOCs. One field blank was collected for each day of sampling and analyzed for VOCs. One field duplicate was collected for each batch of twenty samples and analyzed for VOCs.

Samples were immediately packed in a cooler of ice and proper temperatures were maintained in accordance with the SCDHEC UST QAPP, Revision 3.0 and the site-specific Addendum. At the completion of the sampling event, the samples were submitted to a SCDHEC certified laboratory for analyses. The samples were analyzed for Benzene, Toluene, Ethylbenzene, Xylenes, Naphthalene, Methyl tertiary butyl ether, 1,2-Dichloroethane, Oxygenates, and Ethanol.

Field conditions were documented throughout the sampling event. All field measurement equipment was properly cleaned and decontaminated before use, between each well, and prior to site departure in accordance with "Appendix H: Standard Field Cleaning Procedures" of the SCDHEC UST QAPP, Revision 3.0. By-products were disposed of via processing through a granular-activated-carbon (GAC) unit in accordance with the NPDES General Permit No. SCG830000. The field measurement equipment was properly calibrated prior to the sampling event and verified after four (4) hours of use and at the completion of the event. The calibration and verification data for the sampling event is provided in Appendix B.

Depth to groundwater measurements were taken with reference to the top of well casing (TOC) and converted to elevations by subtracting the depth to groundwater measurements from the TOC elevations. Potentiometric data are provided in Section I as Table 2 and on the Groundwater Sampling Logs provided in Appendix B. The groundwater measurements collected during the sampling event for the no-purge wells are provided as follows:

SECTION E -1
GROUNDWATER MEASUREMENTS (NO PURGE SAMPLING)
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303

Well	Date	pH	Specific Conductance	Water Temperature	Turbity	Dissolved Oxygen
Units	--	su	mS/cm	°C	NTU	mg/L
07303-MW3	4/5/2016	6.53	0.044	19.8	1.8	4.54
07303-MW12	4/5/2016	6.07	0.086	20.4	14.8	5.63
07303-MW13	4/5/2016	6.14	0.126	20.1	21.4	5.39
07303-MW15	4/5/2016	8.88	0.151	19.3	17.2	4.85
07303-MW19	4/6/2016	Free Product (0.05 ft)				
07303-MW20	4/6/2016	6.62	0.197	18.6	36.3	5.67
07303-MW21	4/5/2016	5.75	0.048	18.8	6.5	8.21
07303-MW22	4/5/2016	11.02	0.380	15.8	19.2	7.22
07303-MW24	4/6/2016	6.31	0.102	14.4	37.3	9.26
07303-MW25	4/5/2016	6.64	0.076	17.8	44.8	7.10
07303-MW26	4/6/2016	6.42	0.120	14.5	1.7	9.41
07303-MW27	4/6/2016	6.69	0.261	15.6	27.4	7.64
07303-MW28	4/5/2016	6.84	0.164	16.4	23.4	7.82
07303-MW29	4/5/2016	5.28	0.053	19.7	8.9	5.68
07303-MW31	4/4/2016	5.99	0.098	21.0	31.2	6.83
07303-MW32	4/4/2016	5.87	0.087	20.6	22.0	6.17
07303-MW33	4/4/2016	6.27	0.102	20.0	19.7	6.41
07303-MW34	4/4/2016	6.02	0.088	20.4	47.2	6.71
07303-MW35	4/4/2016	5.99	0.040	21.5	6.2	6.57
07303-MW36	4/4/2016	6.53	0.031	20.0	6.7	6.75
07303-MW37	4/4/2016	8.34	0.180	23.0	17.3	4.75
07303-MW39	4/5/2016	6.74	0.081	70.8	73.4	8.41
07303-MW40	4/5/2016	5.94	0.057	14.8	18.6	5.96
07303-MW41	4/5/2016	6.86	0.100	17.8	23.3	6.16
07303-MW42	4/5/2016	7.05	0.059	13.8	91	7.69
07303-MW43	4/5/2016	Could Not Find				
07303-MW44	4/6/2016	Could Not Find				
07303-MW45	4/6/2016	Could Not Find				
07303-MW46	4/6/2016	6.85	0.287	17.9	41.3	5.78
07303-RW1	4/6/2016	9.12	0.433	17.7	11.3	6.20
07303-RW2	4/6/2016	7.33	0.375	17.9	17.8	8.85
07303-RW3	4/6/2016	6.28	0.231	18.8	12.9	5.63
07303-RW4	4/6/2016	7.23	0.282	18.4	20.2	4.28

NOTES/KEY:
su = standard unit
mg/L = milligrams per liter
mS/cm = milliSiemens per centimeter
NTU = nephelometric turbity units

2. Purging Methodology

Purging was conducted from the least contaminated wells to the most contaminated wells based on the previous assessment data. Prior to purging, new plastic sheeting was placed on the ground surface around the well to prevent contamination of pumps, hoses, meters, etc. For monitoring wells with smaller casing volumes and/or slow recharge rates, a new disposable bailer was utilized for purging. When utilized, bailers with new colorless nylon rope were slowly lowered into the top of the water column, allowed to fill, and slowly removed to minimize turbidity and disturbance of the VOCs. When utilized, the purge pump was lowered approximately 3-5 feet into the standing water column and adjusted only if the pumping rate exceeded the recovery rate as drawdown occurred. In accordance with the SCDHEC UST QAPP, Revision 3.0, an adequate purge was achieved when pH, specific conductance, and temperature of the groundwater stabilized, and turbidity either stabilized or was below 10 nephelometric turbidity units (NTUs). The purge water generated was disposed of via processing through a granular-activated-carbon (GAC) unit in accordance with the NPDES General Permit No. SCG830000. The Certificate of On-Site Treatment for the contaminated purge water and the by-products from cleaning and decontamination is provided in Appendix G.

If a well was pumped or purged dry, even with reduced purge rates, the well was considered adequately purged per the SCDHEC UST QAPP, Revision 3.0. The sample was collected immediately following sufficient recovery to fill all sampling containers. The groundwater measurements collected during the sampling event for the purged wells are provided as follows:

SECTION E -2 GROUNDWATER MEASUREMENTS (PURGE SAMPLING) FORMER LI'L CRICKET #339 SENECA, SOUTH CAROLINA SCDHEC UST PERMIT #07303							
07303-MW5R	**4/5/2016**						
Volume (gal)	Initial	3.75	7.50	11.25/Sample			
Time (military)	1447	1452	1457	1502			
pH (su)	7.11	6.78	6.78	6.81			
Spec Conductivity (mS/cm)	0.114	0.029	0.025	0.021			
Water Temperature (°C)	20.1	19.6	19.6	19.6			
Turbidity (NTU)	32.7	76.9	79.3	81.2			
Dissolved Oxygen (mg/L)	8.84	8.49	8.44	8.41			
07303-MW9	**4/6/2016**						
Volume (gal)	Initial	3.5	7.0	10.5/Sample			
Time (military)	1248	1252	1256	1300			
pH (su)	7.44	8.70	8.72	8.68			
Spec Conductivity (mS/cm)	0.210	0.212	0.214	0.214			
Water Temperature (°C)	17.9	18.4	18.4	18.4			
Turbidity (NTU)	17.3	19.9	20.1	20.0			
Dissolved Oxygen (mg/L)	5.59	5.21	4.93	4.99			
07303-MW10	**4/6/2016**						
Volume (gal)	Initial	2.00	4.00	6.00/Sample			
Time (military)	1122	1125	1128	1131			
pH (su)	8.04	8.07	8.06	8.08			
Spec Conductivity (mS/cm)	0.380	0.376	0.376	0.374			
Water Temperature (°C)	17.9	18.5	18.5	18.5			
Turbidity (NTU)	28.1	36.4	37.0	38.2			
Dissolved Oxygen (mg/L)	3.43	2.89	2.86	2.84			
07303-MW11	**4/5/2016**						
Volume (gal)	Initial	2.00	4.00	6.00/Sample			
Time (military)	1327	1330	1333	1336			
pH (su)	5.45	5.47	5.48	5.50			
Spec Conductivity (mS/cm)	0.055	0.060	0.061	0.063			
Water Temperature (°C)	19.7	20.0	20.0	20.0			
Turbidity (NTU)	11.2	5.1	5.3	5.4			
Dissolved Oxygen (mg/L)	6.47	6.41	6.40	6.37			
07303-MW14	**4/5/2016**						
Volume (gal)	Initial	1.75	3.50	5.25/Sample			
Time (military)	1250	1253	1256	1259			
pH (su)	5.45	5.47	5.49	5.49			
Spec Conductivity (mS/cm)	0.094	0.091	0.090	0.093			
Water Temperature (°C)	19.4	18.9	18.9	18.9			
Turbidity (NTU)	29.2	14.9	14.7	14.2			
Dissolved Oxygen (mg/L)	6.84	6.78	6.51	6.21			
07303-MW16	**4/5/2016**						
Volume (gal)	Initial	3.25	6.50	9.75/Sample			
Time (military)	1545	1550	1555	1559			
pH (su)	6.25	6.24	6.20	6.18			
Spec Conductivity (mS/cm)	0.121	0.118	0.112	0.110			
Water Temperature (°C)	19.7	19.5	19.5	19.5			
Turbidity (NTU)	29.4	7.7	6.8	7.2			
Dissolved Oxygen (mg/L)	2.16	2.19	2.25	2.42			
07303-MW17	**4/5/2016**						
Volume (gal)	Initial	3.50	7.00	10.50/Sample			
Time (military)	1507	1512	1517	1522			
pH (su)	7,43	4.51	4.47	4.50			
Spec Conductivity (mS/cm)	0.076	0.099	0.098	0.100			
Water Temperature (°C)	18.9	19.7	19.7	19.7			
Turbidity (NTU)	9.9	15.4	15.8	16.2			
Dissolved Oxygen (mg/L)	5.63	4.20	4.14	4.19			

07303-MW18	**4/5/2016**						
Volume (gal)	Initial	2.75	5.5	8.25/Sample			
Time (military)	1526	1531	1536	1541			
pH (su)	6.68	6.46	6.45	6.42			
Spec Conductivity (mS/cm)	0.128	0.200	0.204	0.207			
Water Temperature (°C)	20.2	19.3	19.3	19.3			
Turbidity (NTU)	3.5	89.2	86.4	89.4			
Dissolved Oxygen (mg/L)	3.69	3.44	3.21	3.00			
07303-MW23	**4/5/2016**						
Volume (gal)	Initial	1.75	3.0	5.25/Sample			
Time (military)	0910	0913	0916	0919			
pH (su)	8.41	7.87	7.85	7.80			
Spec Conductivity (mS/cm)	0.258	0.259	0.258	0.259			
Water Temperature (°C)	16.1	16.2	16.2	16.2			
Turbidity (NTU)	13.7	78.2	86.1	84.3			
Dissolved Oxygen (mg/L)	7.32	7.81	7.93	8.41			
07303-MW30	**4/5/2016**						
Volume (gal)	Initial	4.25	8.5	12.75/Sample			
Time (military)	1354	1357	1400	1403			
pH (su)	6.47	6.19	6.18	6.15			
Spec Conductivity (mS/cm)	0.080	0.094	0.096	0.096			
Water Temperature (°C)	19.9	19.3	19.3	19.3			
Turbidity (NTU)	17.2	13.8	13.4	13.1			
Dissolved Oxygen (mg/L)	5.61	4.44	3.47	3.21			
07303-MW38	**4/4/2016**						
Volume (gal)	Initial	2.75	5.50	8.25/Sample			
Time (military)	1625	1628	1631	1634			
pH (su)	6.69	6.40	6.41	6.44			
Spec Conductivity (mS/cm)	0.086	0.077	0.076	0.073			
Water Temperature (°C)	21.2	20.3	20.3	20.3			
Turbidity (NTU)	14.2	88.0	90.4	91.3			
Dissolved Oxygen (mg/L)	6.82	6.98	7.89	7.97			
07303-MW47	**4/6/2016**						
Volume (gal)	Initial	1.1	2.2	3.3/Sample			
Time (military)	1430	1432	1434	1436			
pH (su)	6.33	6.26	6.25	6.27			
Spec Conductivity (mS/cm)	0.281	0.293	0.293	0.294			
Water Temperature (°C)	17.8	18.0	18.0	18.0			
Turbidity (NTU)	32.1	17.4	17.3	16.4			
Dissolved Oxygen (mg/L)	6.71	6.93	6.81	6.73			
07303-MW48	**4/6/2016**						
Volume (gal)	Initial	0.75	1.5	2.25/Sample			
Time (military)	1414	1416	1418	1420			
pH (su)	7.14	6.88	6.88	6.87			
Spec Conductivity (mS/cm)	0.198	0.199	0.200	0.199			
Water Temperature (°C)	18.1	18.0	18.0	18.0			
Turbidity (NTU)	63.7	45.4	46.8	48.3			
Dissolved Oxygen (mg/L)	5.44	6.07	6.21	6.43			
07303-DW1	**4/5/2016**						
Volume (gal)	Initial	3.00	6.00	9.00	12.00	15.00	18.00/Sample
Time (military)	1654	1658	1702	1706	1710	1714	1718
pH (su)	9.42	9.21	8.99	8.91	8.06	8.00	7.97
Spec Conductivity (mS/cm)	0.273	0.274	0.271	0.241	0.234	0.231	0.230
Water Temperature (°C)	19.0	18.9	18.7	18.5	18.4	18.4	18.4
Turbidity (NTU)	9.2	54.8	94.1	117	64.3	60.1	61.8
Dissolved Oxygen (mg/L)	2.92	3.49	5.00	5.24	2.54	2.50	2.59

07303-DW2	**4/6/2016**						
Volume (gal)	Initial	3.5	7.0	10.5	14.0	17.5	21.0/Sample
Time (military)	1040	1044	1048	1052	1056	1100	1104
pH (su)	9.60	9.43	9.04	8.29	7.24	7.24	7.23
Spec Conductivity (mS/cm)	0.207	0.207	0.203	0.204	0.206	0.207	0.207
Water Temperature (°C)	17.3	17.4	17.5	17.7	17.9	17.9	17.9
Turbidity (NTU)	16.6	20.1	26.3	28.7	28.6	28.1	28.0
Dissolved Oxygen (mg/L)	4.57	4.50	4.21	3.59	4.00	4.32	4.51
07303-DW3	**4/6/2016**						
Volume (gal)	Initial	3.5	7.0	10.5	14.0	17.5	21.0/Sample
Time (military)	1215	1219	1223	1227	1231	1235	1239
pH (su)	12.57	12.03	11.11	9.87	8.09	8.08	8.08
Spec Conductivity (mS/cm)	0.820	0.517	0.352	0.319	0.217	0.217	0.216
Water Temperature (°C)	18.2	18.2	18.2	18.4	18.4	18.4	18.4
Turbidity (NTU)	171	110	106	54.2	23.7	23.4	23.0
Dissolved Oxygen (mg/L)	6.11	6.00	5.30	5.01	4.47	4.90	4.92
07303-DW5	**4/5/2016**						
Volume (gal)	Initial	1.25	2.50	3.75/Sample			
Time (military)	0838	0843	0848	0853			
pH (su)	13.85	13.74	13.79	13.80			
Spec Conductivity (mS/cm)	6.57	7.01	6.98	6.99			
Water Temperature (°C)	15.4	15.3	15.3	15.3			
Turbidity (NTU)	31.7	39.8	38.0	41.2			
Dissolved Oxygen (mg/L)	11.81	10.12	9.48	9.41			
07303-DW6	**4/5/2016**						
Volume (gal)	Initial	7.25	14.5	21.75	29.0	36.25	43.50/Sample
Time (military)	1617	1622	1627	1632	1637	1642	1647
pH (su)	11.09	11.17	11.72	11.95	11.31	11.27	11.26
Spec Conductivity (mS/cm)	0.473	0.497	0.501	0.527	0.434	0.433	0.433
Water Temperature (°C)	19.8	19.8	19.9	19.9	19.1	19.1	19.1
Turbidity (NTU)	2.5	2.0	1.9	1.7	2.9	3.0	3.0
Dissolved Oxygen (mg/L)	13.41	7.82	7.43	6.09	4.41	4.31	4.53
07303-DW7	**4/6/2016**						
Volume (gal)	Initial	4.75	9.5	14.25	19.0	23.75	28.5/Sample
Time (military)	1005	1010	1015	1020	1025	1030	1035
pH (su)	13.07	13.21	13.27	13.33	13.81	13.82	13.84
Spec Conductivity (mS/cm)	3.04	3.04	3.05	3.04	3.07	3.06	3.07
Water Temperature (°C)	17.5	17.6	17.7	18.0	18.4	18.4	18.4
Turbidity (NTU)	11.7	14.7	19.3	17.4	19.2	19.0	20.3
Dissolved Oxygen (mg/L)	8.23	6.37	5.44	4.34	4.39	4.20	4.17
07303-DW9	**4/4/2016**						
Volume (gal)	Initial	3.75	7.5	11.0	14.75	18.5	22.25
Time (military)	1545	1550	1555	1600	1605	1610	1615
pH (su)	8.84	8.63	8.70	8.77	8.50	8.00	7.92
Spec Conductivity (mS/cm)	0.160	0.162	0.157	0.156	0.148	0.149	0.147
Water Temperature (°C)	21.3	21.2	21.1	21.0	19.7	19.3	19.3
Turbidity (NTU)	5.0	5.8	4.4	3.7	4.5	6.9	7.2
Dissolved Oxygen (mg/L)	4.16	5.20	4.75	4.64	5.16	5.10	5.03
Volume (gal)	26.0/Sample						
Time (military)	1620						
pH (su)	7.94						
Spec Conductivity (mS/cm)	0.143						
Water Temperature (°C)	19.3						
Turbidity (NTU)	7.4						
Dissolved Oxygen (mg/L)	5.17						

07303-DW10	4/4/2016						
Volume (gal)	Initial	6.75	13.50	20.25	27.0	33.75	40.5/Sample
Time (military)	1500	1505	1510	1515	1520	1525	1530
pH (su)	13.57	13.51	13.60	13.68	13.70	13.77	13.79
Spec Conductivity (mS/cm)	1.82	1.88	1.88	1.89	1.90	1.92	1.95
Water Temperature (°C)	28.3	26.4	24.7	23.9	23.3	23.3	23.3
Turbidity (NTU)	71.0	54.1	48.7	40.9	34.7	35.8	36.2
Dissolved Oxygen (mg/L)	5.34	5.28	5.33	5.00	4.10	4.15	4.31
07303-DW11	**4/5/2016**						
Volume (gal)	Initial	3.00	6.00	9.00	12.00	15.00	18.00/Sample
Time (military)	1117	1121	1125	1129	1133	1137	1141
pH (su)	6.83	6.97	6.96	6.90	6.86	6.82	6.81
Spec Conductivity (mS/cm)	0.290	0.299	0.322	0.317	0.300	0.290	0.291
Water Temperature (°C)	19.1	18.9	18.9	17.9	17.7	17.7	17.7
Turbidity (NTU)	23.4	20.1	18.2	11.1	11.9	11.5	11.2
Dissolved Oxygen (mg/L)	5.32	5.74	5.65	5.04	4.55	4.57	4.64

NOTES/KEY:
gal = gallons
unit
mS/cm = milliSiemens per centimeter
NTU = nephelometric turbity units
mg/L = milligrams per liter

3. Free Product Measurements

Free-phase petroleum was measured in monitoring well MW-19 at a thickness of 0.05 feet on April 6, 2016.

F. AFVR INFORMATION

Not Applicable. No Aggressive Fluid Vapor Recovery (AFVR) Events were performed during this scope of work.

G. GRANULATED ACTIVATED CARBON INSTALLATION

Not Applicable. No granulated activated carbon units were installed during this scope of work.

H. RESULTS & DISCUSSION

1. Assessment Results

During this scope of work, TERRY conducted a comprehensive groundwater sampling event between April 4 and April 6, 2016 in accordance with the SCDHEC UST QAPP, Revision 3.0 and the associated site-specific work plan submitted in March 2016. Off-site monitoring wells MW-43, MW-44 and MW-45 could not be located. Free-phase petroleum was measured in monitoring well MW-19.

The groundwater analytical data are summarized in Section I as Table 3, and are included in Appendix B. The analytical data were used to generate contaminant concentration maps for CoC's detected by the laboratory and are provided in Section J as Figures 4A and 4B. Based on the analytical data, groundwater contamination is present above Risked-Based Screening Levels (RBSLs) in the source area (MW-9, MW-10, MW-18, MW-19, MW-20, RW-1, RW-2, and RW-3) and migrates in the direction of groundwater flow (MW-15, MW-27, DW-1, and DW-11). The plume is horizontally defined but remains vertically undefined down gradient to the north (DW-11). The analytical data for the surface water samples indicate that MTBE was detected but at levels below the RBSL.

The previously conducted AFVR events were successful at removing free phase product, recovering contaminant mass, and exposing the free product smear zone to vacuum. As such, it is recommended to conduct two additional 96-hour AFVR events on the monitoring/recovery well network in the source area; Event 1 on monitoring well MW-19 and Event 2 on recovery wells RW-1, RW-2 and RW-3.

2. Aquifer Evaluation Results

Not Applicable

3. Fate & Transport Results

Not Applicable

4. Tier 1 Risk Evaluation

Not Applicable

5. Tier 2 Risk Evaluation

Not Applicable

I. TABLES

1. Soil Analytical Data

Table 1 Soil Analytical Data - Not Applicable

2. Potentiometric Data

Table 2 Groundwater Potentiometric Data - Attached

3. Laboratory Data

Table 3 Groundwater Laboratory Data - Attached

4. Aquifer Characteristics

Table 4 Aquifer Characteristics - Not Applicable

5. Site Conceptual Model

Table 5 Site Conceptual Model - Not Applicable

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170L

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW3	10/1/2008	152.15	37-55	-	41.28	-	110.87
	2/16/2009			-	41.54	-	110.61
	6/22/2009			Not Sampled			
	2/25/2011			-	38.78	-	113.37
	4/29/2015			-	38.87	-	113.28
	4/5/2016			-	37.93	-	114.22
07303-MW5R	10/1/2008	150.01	50-60	-	59.55	-	90.46
	2/16/2009			-	53.20	-	96.81
	6/22/2009			Not Sampled			
	2/25/2011			-	38.63	-	111.38
	4/29/2015			-	31.40	-	118.61
	4/5/2016			-	38.34	-	111.67
07303-MW9	10/1/2008	150.85	45-55	-	40.81	-	110.04
	2/16/2009			-	40.44	-	110.41
	6/22/2009			Not Sampled			
	2/25/2011			-	37.05	-	113.80
	5/25/2011			-	37.33	-	113.52
	4/29/2015			-	37.79	-	113.06
	4/6/2016			-	35.44	-	115.41
07303-MW10	10/1/2008	152.07	42-52	43.62	43.95	**0.33**	108.12
	2/16/2009			43.83	43.93	**0.10**	108.14
	6/22/2009			Not Sampled			
	2/24/2011			41.47	41.49	**0.02**	110.58
	5/25/2011			40.94	40.97	**0.03**	111.10
	4/29/2015			-	41.36	-	110.71
	4/6/2016			-	39.69	-	112.38
07303-MW11	2/17/2009	153.51	40-50	-	43.31	-	110.20
	6/22/2009			Not Sampled			
	2/24/2011			-	40.65	-	112.86
	4/27/2015			-	40.65	-	112.86
	4/5/2016			-	38.69	-	114.82
07303-MW12	2/17/2009	154.40	40-50	-	45.39	-	109.01
	6/22/2009			Not Sampled			
	2/24/2011			-	42.86	-	111.54
	4/27/2015			-	42.80	-	111.60
	4/5/2016			-	40.95	-	113.45

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170L

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW13	2/17/2009	153.54	40-50	-	45.34	-	108.20
	6/22/2009			Not Sampled			
	2/24/2011			-	42.93	-	110.61
	4/29/2015			-	42.77	-	110.77
	4/5/2016			-	40.07	-	113.47
07303-MW14	2/17/2009	154.32	45-55	-	49.58	-	104.74
	6/22/2009			Not Sampled			
	2/24/2011			-	47.29	-	107.03
	4/27/2015			-	46.98	-	107.34
	4/5/2016			-	44.85	-	109.47
07303-MW15	2/17/2009	152.67	40-50	-	47.05	-	105.62
	6/22/2009			Not Sampled			
	2/24/2011			-	44.64	-	108.03
	4/29/2015			-	44.35	-	108.32
	4/5/2016			-	41.80	-	110.87
07303-MW16	2/17/2009	151.33	40-55	-	42.08	-	109.25
	6/22/2009			Not Sampled			
	2/25/2011			-	39.09	-	112.24
	4/29/2015			-	38.45	-	112.88
	4/5/2016			-	35.36	-	115.97
07303-MW17	2/16/2009	150.78	40-55	-	41.43	-	109.35
	6/22/2009			Not Sampled			
	2/25/2011			-	38.29	-	112.49
	4/29/2015			-	37.72	-	113.06
	4/5/2016			-	34.31	-	116.47
07303-MW18	2/16/2009	150.31	35-50	-	40.90	-	109.41
	6/22/2009			Not Sampled			
	2/25/2011			-	37.93	-	112.38
	4/29/2015			-	37.25	-	113.06
	4/5/2016			-	33.85	-	116.46
07303-MW19	2/17/2009	150.78	38-53	-	40.33	-	110.45
	6/22/2009			Not Sampled			
	2/25/2011			***	37.32	**0.05**	113.46
	5/25/2011			36.53	37.28	**0.75**	113.50
	4/29/2015			-	37.35	-	113.43
	4/6/2016			35.23	35.28	**0.05**	115.50

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170L

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW20	2/17/2009	152.08	35-50	-	43.12	-	108.96
	6/22/2009			Not Sampled			
	2/25/2011			40.25	40.32	**0.07**	111.76
	5/25/2011			39.74	39.76	**0.02**	112.32
	4/29/2015			-	40.39	-	111.69
	4/6/2016			-	38.61	-	113.47
07303-MW21	6/22/2009	154.55	40-55	-	49.56	-	104.99
	2/25/2011			-	48.61	-	105.94
	4/29/2015			-	48.36	-	106.19
	4/5/2016			-	46.51	-	108.04
07303-MW22	6/22/2009	149.85	40-55	-	48.02	-	101.83
	2/24/2011			-	47.74	-	102.11
	4/27/2015			-	47.05	-	102.80
	4/5/2016			-	44.66	-	105.19
07303-MW23	6/22/2009	150.05	40-55	-	48.52	-	101.53
	2/24/2011			-	48.38	-	101.67
	4/29/2015			Obstructed			
	4/5/2016			-	44.94	-	105.11
07303-MW24	6/22/2009	150.02	40-55	-	48.43	-	101.59
	2/24/2011			-	48.32	-	101.70
	4/28/2015			-	47.48	-	102.54
	4/6/2016			-	44.78	-	105.24
07303-MW25	6/22/2009	148.14	39-54	-	46.31	-	101.83
	2/24/2011			-	46.31	-	101.83
	4/28/2015			-	45.14	-	103.00
	4/5/2016			-	42.30	-	105.84
07303-MW26	6/22/2009	146.65	37-52	-	43.96	-	102.69
	2/24/2011			-	44.06	-	102.59
	4/29/2015			-	42.70	-	103.95
	4/6/2016			-	40.12	-	106.53
07303-MW27	6/22/2009	149.99	40-55	-	46.59	-	103.40
	2/24/2011			-	45.99	-	104.00
	4/29/2015			-	45.40	-	104.59
	4/6/2016			-	42.86	-	107.13

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170L

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW28	6/22/2009	152.24	40-55	-	48.87	-	103.37
	2/24/2011			-	48.28	-	103.96
	4/29/2015			-	46.74	-	105.50
	4/5/2016			-	45.42	-	106.82
07303-MW29	6/22/2009	152.17	40-55	-	46.43	-	105.74
	2/25/2011			-	46.96	-	105.21
	4/29/2015			-	45.26	-	106.91
	4/5/2016			-	41.49	-	110.68
07303-MW30	6/22/2009	151.23	45-60	-	40.72	-	110.51
	2/25/2011			-	39.18	-	112.05
	4/29/2015			-	38.33	-	112.90
	4/5/2016			-	35.17	-	116.06
07303-MW31	6/22/2009	148.95	26-41	-	32.82	-	116.13
	2/25/2011			-	31.98	-	116.97
	4/28/2015			-	31.66	-	117.29
	4/4/2016			-	29.65	-	119.30
07303-MW32	6/22/2009	150.06	30-45	-	34.86	-	115.20
	2/25/2011			-	33.66	-	116.40
	4/28/2015			-	33.53	-	116.53
	4/4/2016			-	31.30	-	118.76
07303-MW33	6/22/2009	151.57	29-44	-	36.67	-	114.90
	2/25/2011			-	35.39	-	116.18
	4/28/2015			-	35.36	-	116.21
	4/4/2016			-	33.07	-	118.50
07303-MW34	6/22/2009	153.70	30-45	-	39.61	-	114.09
	2/25/2011			-	38.27	-	115.43
	4/28/2015			-	38.40	-	115.30
	4/4/2016			-	36.05	-	117.65
07303-MW35	6/22/2009	154.52	31-46	-	40.48	-	114.04
	2/25/2011			-	39.17	-	115.35
	4/28/2015			-	39.30	-	115.22
	4/4/2016			-	36.96	-	117.56
07303-MW36	6/22/2009	156.04	31-46	-	40.42	-	115.62
	2/24/2011			-	39.28	-	116.76
	4/27/2015			-	39.32	-	116.72
	4/4/2016			-	36.91	-	119.13

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170L

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW37	6/22/2009	151.73	29-44	-	35.92	-	115.81
	2/24/2011			-	34.90	-	116.83
	4/27/2015			-	34.72	-	117.01
	4/4/2016			-	32.44	-	119.29
07303-MW38	6/22/2009	150.63	32-47	-	34.61	-	116.02
	2/24/2011			-	33.69	-	116.94
	4/27/2015			-	33.41	-	117.22
	4/4/2016			-	31.24	-	119.39
07303-MW39	2/25/2011	149.78	42-52	-	48.39	-	101.39
	4/28/2015			-	46.94	-	102.84
	4/5/2016			-	44.19	-	105.59
07303-MW40	2/25/2011	132.33	6-16	-	14.64	-	117.69
	4/28/2015			-	13.72	-	118.61
	4/5/2016			-	13.66	-	118.67
07303-MW41	3/24/2011	147.24	42-52	-	46.40	-	100.84
	4/28/2015			-	45.71	-	101.53
	4/5/2016			-	42.96	-	104.28
07303-MW42	2/25/2011	112.87	2-9	-	9.13	-	103.74
	4/28/2015			-	7.97	-	104.90
	4/5/2016			-	8.35	-	104.52
07303-MW43	3/24/2011	144.35	40-50	-	43.89	-	100.46
	4/28/2015			Could Not Find			
	4/5/2016			Could Not Find			
07303-MW44	5/5/2011	145.55	42-52	-	45.36	-	100.19
	4/28/2015			-	46.87	-	98.68
	4/6/2016			Could Not Find			
07303-MW45	5/5/2011	140.80	42-52	-	46.19	-	94.61
	4/28/2015			Could Not Find			
	4/6/2016			Could Not Find			
07303-MW46	5/5/2011	140.64	40-50	-	44.75	-	95.89
	4/28/2015			-	44.82	-	95.82
	4/6/2016			-	42.19	-	98.45
07303-MW47	5/5/2011	126.76	32-42	-	36.62	-	90.14
	4/28/2015			Could Not Find			
	4/6/2016			-	35.22	-	91.54
07303-MW48	5/5/2011	87.83	3-8	-	4.01	-	83.82
	4/28/2015			Could Not Find			
	4/6/2016			-	3.93	-	83.90

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170L

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-DW1	2/17/2009	152.36	75-80	-	47.91	-	104.45
	6/22/2009			Not Sampled			
	2/24/2011			-	45.34	-	107.02
	4/30/2015			-	45.26	-	107.10
	4/5/2016			-	43.06	-	109.30
07303-DW2	2/17/2009	151.77	75-80	-	44.15	-	107.62
	6/22/2009			Not Sampled			
	2/24/2011			-	41.68	-	110.09
	4/30/2015			-	41.56	-	110.21
	4/6/2016			-	39.73	-	112.04
07303-DW3	2/17/2009	150.83	75-80	-	42.12	-	108.71
	6/22/2009			Not Sampled			
	2/24/2011			-	40.06	-	110.77
	4/30/2015			-	39.45	-	111.38
	4/6/2016			-	37.18	-	113.65
07303-DW5	6/22/2009	150.19	75-80	-	45.55	-	104.64
	2/24/2011			-	61.27	-	88.92
	4/27/2015			-	55.76	-	94.43
	4/5/2016			-	72.21	-	77.98
07303-DW6	6/23/2009	152.59	115-130	-	63.39	-	89.20
	2/24/2011			-	49.98	-	102.61
	4/30/2015			-	49.80	-	102.79
	4/5/2016			-	42.23	-	110.36
07303-DW7	6/23/2009	151.97	115-120	-	113.41	-	38.56
	2/24/2011			-	46.27	-	105.70
	4/30/2015			-	43.77	-	108.20
	4/6/2016			-	64.10	-	87.87
07303-DW9	6/22/2009	151.96	75-80	-	37.64	-	114.32
	2/24/2011			-	36.34	-	115.62
	4/27/2015			-	36.14	-	115.82
	4/4/2016			-	33.92	-	118.04
07303-DW10	6/23/2009	151.77	115-120	-	37.84	-	113.93
	2/24/2011			-	36.86	-	114.91
	4/27/2015			-	39.28	-	112.49
	4/4/2016			-	39.76	-	112.01

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170L

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-DW11	5/5/2011	147.66	74-79	-	46.10	-	101.56
	4/28/2015			-	46.10	-	101.56
	4/5/2016			-	42.90	-	104.76
07303-RW1	12/8/2014	Unknown	30.1-50.1	-	41.20	-	-
	4/30/2015	151.83		-	41.16	-	110.67
	4/6/2016			-	39.54	-	112.29
07303-RW2	12/8/2014	Unknown	30.1-50.1	-	40.93	-	-
	4/30/2015	152.03		-	40.85	-	111.18
	4/6/2016			-	38.94	-	113.09
07303-RW3	12/8/2014	Unknown	30.2-50.2	-	40.46	-	-
	4/29/2015	151.99		-	40.13	-	111.86
	4/6/2016			-	38.37	-	113.62
07303-RW4	12/8/2014	Unknown	30.1-50.1	-	40.65	-	-
	4/30/2015	151.74		-	39.88	-	111.86
	4/6/2016			-	37.38	-	114.36

Notes:

-- = No measurable product.

* = Relative to top of casing (TOC).

** = The TOC elevation benchmark was adjusted from 100' to 150' to allow for the newly installed deep wells with water levels greater than 100' below the TOC.

*** = Product thickness visually confirmed. Observed in bailer during purging.

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170L

WELL ID	SAMPLING DATE	PARAMETERS																				
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	0.05	128	1,400	150	47	N/A	10,000	240	N/A	N/A	N/A	N/A	N/A
07303-MW3	10/1/2008	**8.51**	<1.00	4.1	7.25	3.51J	**57.3**	<1.00	<0.010	0.014B	--	--	--	--	--	--	--	--	7.85	<5.0	0.595	1.60J
	2/16/2009	2.45	<1.00	<1.00	<3.00	<5.00	**56.4**	<1.00	<0.010	0.0051B	6.94	103	2.67J	<5.00	<10.0	<100	46.3	<5.00	--	--	--	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	2.0	56	46	510	**170**	<1.0	<1.0	<0.020	0.0119	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW5R	10/1/2008	NOT SAMPLED																				
	2/16/2009	<1.00	<1.00	<1.00	<3.00	<5.00	0.994J	<1.00	<0.010	<0.015	<5.00	<10.0	<5.00	<5.00	<10.0	<100	<20.0	<5.00	--	--	--	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	<0.001	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW9	10/1/2008	**2,820**	**4,860**	**1,140**	4,720	**357**	**9,050**	<50.0	**197**	**0.16**	--	--	--	--	--	--	--	--	<0.10	1.4B	0.131	1.72J
	2/16/2009	**3,020**	**4,180**	**1,150**	4,370	**393**	**8,630**	**52.0**	**0.069**	0.014B	**438**	**3,450**	**247J**	<250	<500	<5,000	<1,000	<250	--	--	--	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**2,900**	**2,700**	**880**	3,900	<2,500	**9,900**	<500	<0.020	0.00796	<5,000	<50,000	<5,000	<50,000	<50,000	<50,000	<50,000	<50,000	--	--	--	--
	4/29/2015	**350**	18	330	260	**59**	**810**	<10	0.0068J	--	34J	450	32	<10	<200	<1,000	220	<50	--	--	--	--
	4/6/2016	**100**	21	220	500	**58**	**140**	<5.0	--	--	5.7J	110	5.2	<5.0	<100	<500	73J	<25	--	--	--	--
07303-MW10	10/1/2008	**FREE PRODUCT - 0.33 FEET**																				
	2/16/2009	**FREE PRODUCT - 0.10 FEET**																				
	6/22/2009	NOT SAMPLED																				
	2/24/2011*	**3,700**	**12,000**	**1,800**	10,000	<2,500	**4,600**	<500	**4.23**	0.0253	<5,000	<50,000	<5,000	<50,000	<50,000	<50,000	<50,000	<50,000	--	--	--	--
	4/29/2015	**1,200**	**8,700**	**2,100**	**14,000**	**1,200**	**810**	<100	**0.069**	--	46J	**3,100**	<100	<100	<2,000	<10,000	**780J**	<500	--	--	--	--
	4/6/2016	**320**	**1,600**	**1,500**	9,100	**1,000**	**1,600**	<50	--	--	**200J**	**7,400**	74	<50	<1,000	<5,000	**2,600**	<250	--	--	--	--
07303-MW11	2/17/2009	<1.00	<1.00	<1.00	<3.00	<5.00	0.822J	<1.00	<0.010	0.014B	<5.00	<10.0	<5.00	<5.00	<10.0	<100	<20.0	<5.00	1.06	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0130	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	1.4	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW12	2/17/2009	<1.00	<1.00	<1.00	<3.00	<5.00	25.3	<1.00	<0.010	0.0043B	<5.00	<10.0	1.22J	<5.00	<10.0	<100	<20.0	<5.00	2.47	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	22	<1.0	<0.020	0.0138	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	3.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	20	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW13	2/17/2009	<1.00	<1.00	<1.00	35.8	10.1	17.4	<1.00	<0.010	<0.015	<5.00	16.7	1.11J	<5.00	<10.0	<100	<20.0	<5.00	4.39	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	**72**	6.9	18	13	<5.0	**180**	<1.0	<0.020	0.00609	<10	960	12	<100	<100	<100	170	<100	--	--	--	--
	4/29/2015	0.71J	<1.0	<1.0	<1.0	<1.0	1.8	<1.0	<0.020	--	<10	28	<1.0	<1.0	<20	<100	4.0J	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	6.2	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW14	2/17/2009	<1.00	<1.00	<1.00	<3.00	<5.00	1.55	<1.00	<0.010	0.0037B	<5.00	<10.0	<5.00	<5.00	<10.0	<100	<20.0	<5.00	2.00	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0140	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	1.9	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	0.49J	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170L

WELL ID	SAMPLING DATE	PARAMETERS																				
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	0.05	128	1,400	150	47	N/A	10,000	240	N/A	N/A	N/A	N/A	N/A
07303-MW15	2/17/2009	**822**	**1,420**	417	1,550	**143**	**1,320**	<20.0	<0.010	0.0047B	**141**	**2,150**	40.8J	<100	<200	<2,000	<400	<100	<0.010	<5.0	0.4	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	**770**	940	510	2,500	**190**	**1,200**	<1.0	<0.020	0.00774	73	**2,300**	59	<100	<100	<100	**1,600**	<100	--	--	--	--
	4/29/2015	**450**	500	580	2,300	**250**	**260**	**16J**	<0.019	--	32J	830	22	<20	<400	<2,000	**420**	<100	--	--	--	--
	4/5/2016	**71**	6.4	9.1	470	**150**	34	1.7	--	--	3.7J	380	<1.0	<1.0	<20	<100	130	<5.0	--	--	--	--
07303-MW15 (DUP)	4/5/2016	**71**	6.4	9.0	450	**140**	34	<1.0	--	--	3.6J	370	2.1	<1.0	<20	<100	130	<5.0	--	--	--	--
07303-MW16	2/17/2009	**183**	85.5	57.2	107	<25.0	**542**	**9.19**	0.019	0.0037B	39.3	114	28.6	<25.0	<50.0	<500	237	<25.0	<0.010	<5.0	2.2	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**60**	4.6	4.8	18	9.0	**200**	<1.0	<0.020	0.00214	<10	<100	13	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	2.6	<1.0	<1.0	<1.0	1.6	**67**	1.3	<0.019	--	3.8J	50	5.0	<1.0	<20	<100	39	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	0.55J	2.0	<1.0	--	--	<10	2.6J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW17	2/16/2009	**106**	15.7	54.6	84.0	<25.0	**463**	4.74J	<0.010	<0.015	38.3	72.8	24.0J	<25.0	<50.0	<500	<100	<25.0	<0.010	<5.0	2.4	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**51**	<1.0	7.4	<3.0	13	**220**	<1.0	<0.020	0.00201	<10	<100	12	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW18	2/16/2009	**255**	72.7	109	458	<25.0	**689**	**7.48**	0.015	0.0056B	44.0	123	37.9	<25.0	<50.0	<500	143	<25.0	<0.010	<5.0	2.5	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**370**	340	140	1,400	**110**	**930**	<1.0	<0.021	0.00126	35	390	65	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	2.4	<1.0	3.1	1.6	2.3	19	<1.0	<0.020	--	0.96J	41	1.4	<1.0	<20	<100	2.7J	<5.0	--	--	--	--
	4/5/2016	**5.2**	0.59J	6.5	2.7	9.6	**59**	<1.0	--	--	2.8J	160	2.2	<1.0	<20	<100	11J	<5.0	--	--	--	--
07303-MW19	2/17/2009	**3,110**	**9,000**	**1,330**	5,410	**682**	**12,100**	<100	**6.49**	**0.10**	**804**	**7,480**	**323J**	<500	<1,000	<10,000	<2,000	<500	<0.010	4.5B	2.8	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**FREE PRODUCT - 0.05 FEET**																				
	4/29/2015	**1,800**	**13,000**	**1,900**	**12,000**	**1,700**	**5,600**	**81J**	**14**	--	**480J**	**8,600**	**230**	<100	<2,000	<10,000	**1,500J**	<500	--	--	--	--
	4/6/2016	**FREE PRODUCT - 0.05 FEET**																				
07303-MW20	2/17/2009	**1,340**	**1,840**	**1,040**	2,670	**602**	**6,230**	<100	**1.61**	**0.053B**	**676**	**16,300**	146J	<500	<1,000	<10,000	**8,450**	<500	<0.010	<5.0	0.6	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**FREE PRODUCT - 0.07 FEET**																				
	4/29/2015	**1,100**	**9,100**	**2,500**	**16,000**	**1,300**	**1,600**	**53J**	**3.3**	--	120J	**9,100**	80J	<200	<4,000	<20,000	**2,900J**	<1,000	--	--	--	--
	4/6/2016	**87**	100	16J	620	**34**	**540**	<20	--	--	55J	**14,000**	16J	<20	<400	<2,000	**4,600**	<100	--	--	--	--
07303-MW20 (DUP)	4/6/2016	**90**	93	14J	640	**33**	**560**	<20	--	--	57J	**14,000**	<20	<20	<400	<2,000	**4,900**	<100	--	--	--	--
07303-MW21	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0289	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW22	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0152	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW23	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	**46**	4.6	40	<3.0	**73**	**140**	<1.0	<0.020	0.0106	<10	360	<10	<100	<100	<100	120	<100	--	--	--	--
	4/29/2015	OBSTRUCTED																				
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170L

WELL ID	SAMPLING DATE	PARAMETERS																				
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	0.05	128	1,400	150	47	N/A	10,000	240	N/A	N/A	N/A	N/A	N/A
07303-MW24	6/22/2009	233	195	1,040	2,990	312	19.5J	<20.0	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2001	38	63	460	760	200	<1.0	<1.0	<0.020	0.0110	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	24	190	770	2,900	320	<20	<20	<0.019	--	<200	52J	<20	<20	<400	<2,000	200J	<100	--	--	--	--
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW25	6/22/2009	299	65.8	635	1,260	226	103	<10.0	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	300	17	420	560	190	250	<1.0	<0.020	0.00194	<10	530	<10	<100	<100	<100	290	<100	--	--	--	--
	4/28/2015	77	23	180	470	56	100	2.7J	<0.019	--	3.0J	410	3.0J	<5.0	<100	<500	240	<25	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW26	6/22/2009	399	119	335	1,160	165	156	<10.0	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	2,300	63	1,700	2,600	490	520	<1.0	<0.020	0.0298	48	2,100	58	<100	<100	<100	2,300	<100	--	--	--	--
	4/29/2015	22	3.7	53	110	21	31	0.76J	<0.019	--	1.4J	91	<1.0	<1.0	<20	<100	48	<5.0	--	--	--	--
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW27	6/22/2009	500	13.1	261	96.8	60.9	1,060	<10.0	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	510	50	1,400	660	550	28	<1.0	<0.020	0.0368	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	250	37	880	1,900	280	98	<10	<0.019	--	<100	360	<10	<10	<200	<1,000	210	<50	--	--	--	--
	4/6/2016	230	71	1,100	1,600	350	150	<5.0	--	--	14J	560	10	<5.0	<100	<500	260	<25	--	--	--	--
07303-MW28	6/22/2009	<1.00	<1.00	<1.00	<3.00	3.98J	0.749J	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	5.9	54	<1.0	<0.020	0.0204	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<1.0	<1.0	0.60J	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW29	6/22/2009	14.4	11.3	65.4	302	29.0	44.2	4.39	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<20	53	120	270	<100	<20	<20	<0.020	0.00640	<200	<2,000	<200	<2,000	<2,000	<2,000	<2,000	<2,000	--	--	--	--
	4/29/2015	10	4.5J	52	130	11	19	<5.0	<0.019	--	<50	29J	<5.0	<5.0	<100	<500	46J	<25	--	--	--	--
	4/5/2016	<1.0	<1.0	0.81J	2.1	0.33J	0.67J	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW30	6/22/2009	3.06	<1.00	1.25	<3.00	<5.00	31.4	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	2.2	<1.0	<1.0	<3.0	<5.0	6.1	<1.0	<0.020	<0.001	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	1.0	<1.0	<1.0	<1.0	<1.0	5.3	<1.0	<0.020	--	<10	3.2J	<1.0	<1.0	<20	<100	2.0J	<5.0	--	--	--	--
	4/5/2016	0.21J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW31	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.00818	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW32	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.021	0.0119	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW33	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	5.0	8.2	15	<1.0	<1.0	<0.020	0.0317	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW34	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.021	0.0347	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170L

WELL ID	SAMPLING DATE	PARAMETERS																				
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	**5**	**1,000**	**700**	**10,000**	**25**	**40**	**5**	**0.05**	**0.05**	**128**	**1,400**	**150**	**47**	**N/A**	**10,000**	**240**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
07303-MW35	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0236	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW36	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.00409	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW37	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.021	0.0255	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW38	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010													
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0110	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW39	2/25/2011	1.3	<1.0	<1.0	<3.0	<5.0	5.0	<1.0	<0.020	0.0203	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW40	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	**0.0501**	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW41	3/24/2011	**81**	<5.0	<5.0	<5.0	6.0	**94**	<5.0	<0.020	0.0240	<10	250	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW41 (DUP)	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW42	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0108	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW43	3/24/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.021	0.0117	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/5/2016	COULD NOT FIND																				
07303-MW44	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<5.0	<0.020	0.0229	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/6/2016	COULD NOT FIND																				
07303-MW45	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	1.3	<5.0	<0.020	0.0314	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/6/2016	COULD NOT FIND																				
07303-MW46	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<5.0	<0.020	0.00512	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW47	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<5.0	<0.020	0.00351	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170L

WELL ID	SAMPLING DATE	PARAMETERS																				
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	0.05	128	1,400	150	47	N/A	10,000	240	N/A	N/A	N/A	N/A	N/A
07303-MW48	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<5.0	<0.020	**0.144**	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW1	2/17/2009	1.66	1.39	<1.00	<3.00	<5.00	**47.5**	<1.00	<0.010	<0.075	6.66	42.9	2.42J	<5.00	<10.0	<100	<20.0	<5.00	0.507	9.4	0.2	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	2.8	<1.0	<1.0	<3.0	<5.0	**330**	<1.0	<0.020	<0.001	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	1.9	<1.0	<1.0	<1.0	<1.0	**63**	<1.0	<0.019	--	2.4J	29	2.9	<1.0	<20	<100	20	<5.0	--	--	--	--
	4/5/2016	1.6	<1.0	<1.0	<1.0	<1.0	**79**	<1.0	--	--	3.5J	49	3.6	<1.0	<20	<100	30	<5.0	--	--	--	--
07303-DW2	2/17/2009	2.81	<1.00	<1.00	<3.00	<5.00	**51.3**	<1.00	<0.010	0.015B	6.77	14.7	2.14J	<5.00	<10.0	<100	<20.0	<5.00	0.594	1.4B	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	<1.0	<1.0	<1.0	<3.0	8.3	26	<1.0	<0.020	0.00129	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	1.6	<1.0	<1.0	0.44J	<1.0	38	0.56J	<0.020	--	1.8J	21	1.8	<1.0	<20	<100	12J	<5.0	--	--	--	--
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	4.6	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW3	2/17/2009	**6.59**	1.85J	<2.00	<6.00	<10.0	**279**	3.42	<0.010	<0.075	15.8	42.7	14.0	<10.0	<20.0	<200	76.8	<10.0	0.461	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	**5.4**	3.1	<1.0	<3.0	<5.0	**310**	<1.0	<0.020	0.00404	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	3.2	2.9	0.59J	2.9	<1.0	**44**	<1.0	<0.020	--	2.2J	22	2.5	<1.0	<20	<100	14J	<5.0	--	--	--	--
	4/6/2016	1.1	<1.0	<1.0	<1.0	<1.0	17	<1.0	--	--	0.60J	8.8J	<1.0	<1.0	<20	<100	4.4J	<5.0	--	--	--	--
07303-DW5	6/22/2009	1.93	1.22	2.36	1.24J	<5.00	2.42	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	<0.001	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	0.78J	0.57J	<1.0	0.67J	<1.0	0.53J	<1.0	<0.020	--	<10	4.7J	<1.0	<1.0	<20	37J	<20	<5.0	--	--	--	--
	4/5/2016	0.58J	0.38J	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW6	6/23/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.021	0.0142	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	0.28J	0.68J	<1.0	0.37J	<1.0	<1.0	<1.0	<0.019	--	<10	2.6J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW7	6/23/2009	<1.00	<1.00	<1.00	<3.00	<5.00	1.60	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	4.7	<1.0	<1.0	<3.0	<5.0	3.2	<1.0	<0.020	0.00318	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	1.7	0.36J	<1.0	<1.0	<1.0	3.5	<1.0	<0.020	--	<10	2.7J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/6/2016	1.1	<1.0	<1.0	<1.0	<1.0	3.9	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW9	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	1.20	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	1.6	<1.0	<0.020	0.00422	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW10	6/23/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	1.5	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.021	0.00349	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	0.31J	<1.0	<1.0	<1.0	<1.0	0.77J	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW11	5/5/2011	**13**	<1.0	<1.0	<3.0	<5.0	**670**	<5.0	<0.020	<0.001	11	1,400	17	<100	<100	<100	**710**	<100	--	--	--	--
	4/28/2015	**8.9**	<1.0	2.2	1.0	<1.0	**250**	2.0	<0.020	--	14	700	15	<1.0	<20	<100	**310**	<5.0	--	--	--	--
	4/5/2016	**44**	<5.0	2.1J	<5.0	2.3J	**230**	<5.0	--	--	10J	820	8.9	<5.0	<100	<500	**340**	<25	--	--	--	--
07303-RW1	4/30/2015	**870**	**6,500**	**1,400**	7,100	**480**	**970**	**30J**	0.0063J	--	63J	**3,500**	39J	<50	<1,000	<5,000	**1,200**	<250	--	--	--	--
	4/6/2016	**1,100**	**8,700**	**1,700**	**14,000**	**1,100**	**1900**	<100	--	--	**200J**	<2,000	71J	<100	<2,000	<10,000	<2,000	<500	--	--	--	--
07303-RW2	4/30/2015	**1,400**	**10,000**	**2,500**	**11,000**	**730**	**1,600**	**45J**	**0.26**	--	84J	**6,800**	68	<50	<1,000	<5,000	**2,500**	<250	--	--	--	--
	4/6/2016	**1,300**	**12,000**	**2,400**	**15,000**	**780**	**1,300**	<100	--	--	**130J**	**13,000**	<100	<100	<2,000	<10,000	**5,200**	<500	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170L

WELL ID	SAMPLING DATE	PARAMETERS																			
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	0.05	128	1,400	150	47	N/A	10,000	240	N/A	N/A	N/A	N/A	N/A
07303-RW3	4/29/2015	**730**	**1,200**	**2,000**	7,500	**690**	**550**	**24J**	**4.6**	--	45J	**6,600**	26J	<50	<1,000	<5,000	**2,900**	<250	--	--	--	--
	4/6/2016	**540**	**3,900**	**680**	7,400	**680**	**4,500**	<50	--	--	**440J**	**48,000**	110	<50	<1,000	<5,000	**11,000**	<250	--	--	--	--
07303-RW4	4/30/2015	**9.0**	8.0	0.95J	16	0.96J	**200**	1.9	**0.36**	--	16	490	9.3	<1.0	<20	<100	180	<5.0	--	--	--	--
	4/6/2016	4.4	0.59J	0.54J	0.96J	<1.0	38	<1.0	--	--	2.2J	35	3.4	<1.0	<20	<100	20	<5.0	--	--	--	--
07303-SW1	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	4.7	<1.0	<0.020	--	<10	11J	<1.0	<1.0	<20	<100	4.4J	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	5.4	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	3.5J	<5.0	--	--	--	--
07303-SW2	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	4.2	<1.0	<0.019	--	<10	7.6J	<1.0	<1.0	<20	<100	3.4J	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	5.2	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	3.2J	<5.0	--	--	--	--
07303-FB1	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-FB2	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-FB3	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-TB1	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

NOTES:

-- = Parameter was not tested
RBSL = Risk Based Screening Levels
ug/L= micrograms per liter
mg/L= milligrams per liter
J = Indicates an estimated value
MTBE = Methyl tertiary butyl ether
1,2 DCA = 1,2 Dichloroethane
EDB = 1,2-Dibromoethane
TAME = tert-Amyl methyl ether or t-amyl methyl ether
TBA = tert-Butyl Alcohol or t-Butanol
DIPE = Isopropyl ether or diisopropyl Ether
ETBE = Ethyl tert-butyl ether
ETBA = 3,3-Dimethyl-1-butanol or ethyl tert-butanol
TAA = tert-Amyl alcohol
TBF = tert-butyl formate
B = (ORGANICS) Indicates the analyte was detected in the associated method blank
B = (INORGANICS) Indicates the result is between the RDL and the MDL
Bold Lettering indicates parameter exceeds SCDHEC RBSLs except for 1,2 DCA which is based on EPA limits
* = Sample was collected beneath free product (0.02' thickness) per SCDHEC request
DUP = duplicate
FB = Field Blank
TB = Trip Blank

J. FIGURES

1. Topographic Map

Figure 1 Topographic Map - Attached

2. Site Base Map

Figure 2 Site Base Map - Attached

3. CoC Site Maps

Figure 3 Soil CoC Map - Not Applicable

Figure 4A Groundwater CoC Map - Attached

Figure 4B Groundwater CoC Map (Oxygenates) - Attached

4. Site Potentiometric Maps

Figure 5A Site Potentiometric Map (Shallow) - Attached

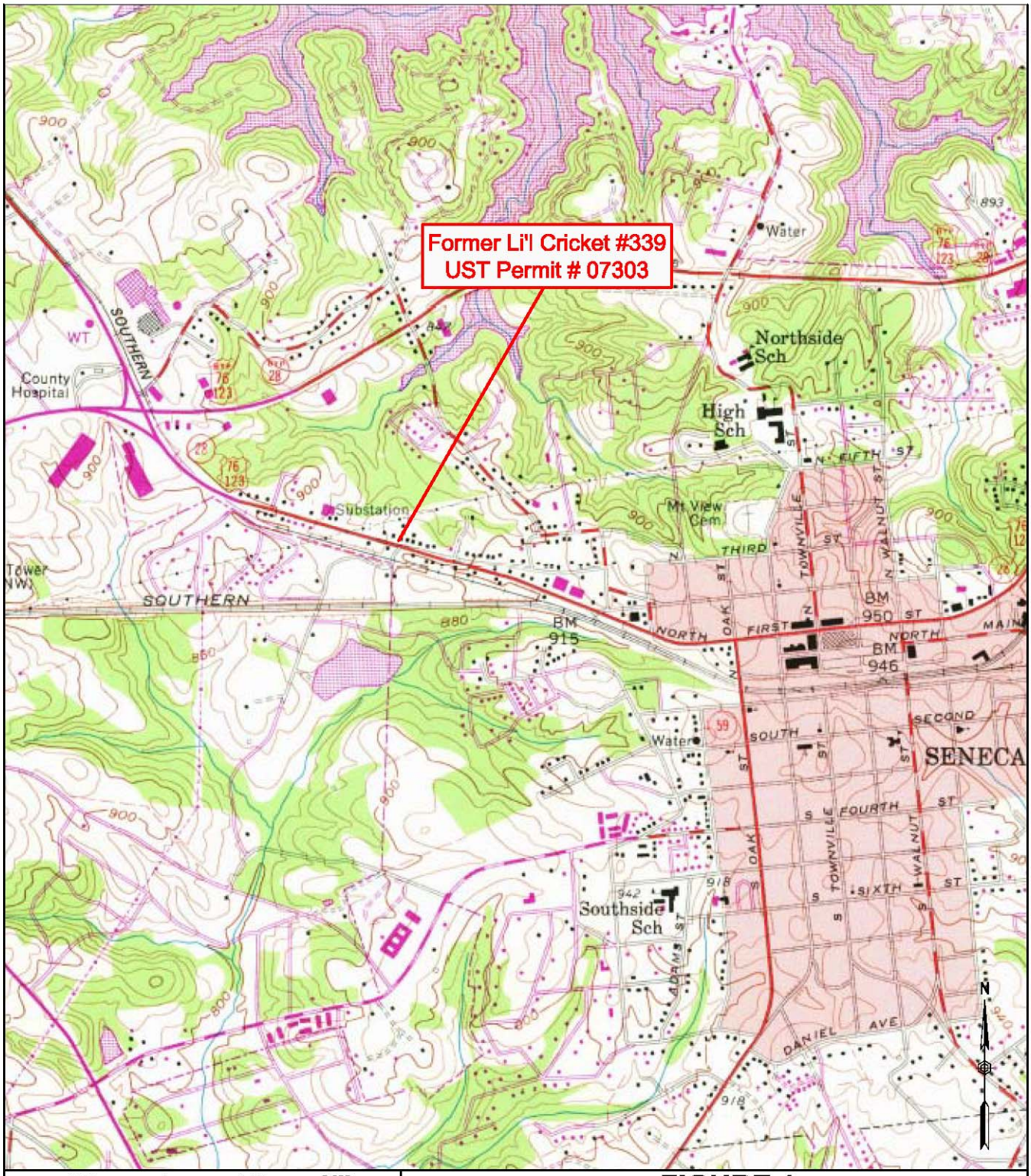
Figure 5B Site Potentiometric Map (Deep) - Attached

5. Geologic Cross Sections

Figure 6 Geologic Cross Sections - Not Applicable

6. Predicted Migration and Attenuation of CoCs

Figure 7 Predicted Migration and Attenuation of CoCs - Not Applicable



1,000 0 1,000 2,000
FEET

TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

... providing our clients with the best services available, actually understanding our clients objectives, and making their obectives our own!

PO Box 25
Summerville, South Carolina 29484
(800) 325-0605 (843)-873-8200 fax: (843)-873-8765

FIGURE 1
TOPOGRAPHIC MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, South Carolina

SIZE	TERRY Project No.	DWG NO.	REV
B	2170L	Figure 1 Topo Map	

SCALE: As Shown

DATE: April 2016

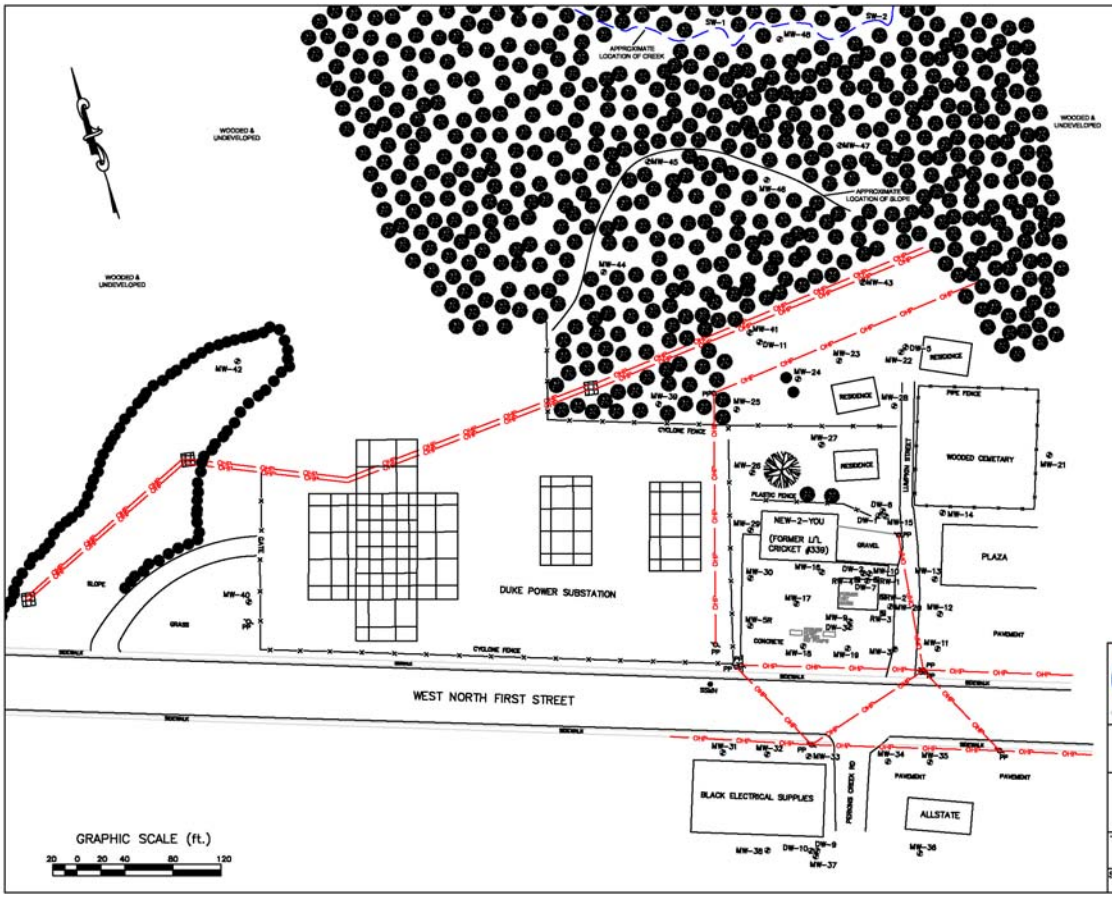


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FIGURE 2
SITE BASE MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170L	07303
SCALE 1" = 80'	DATE April 2016

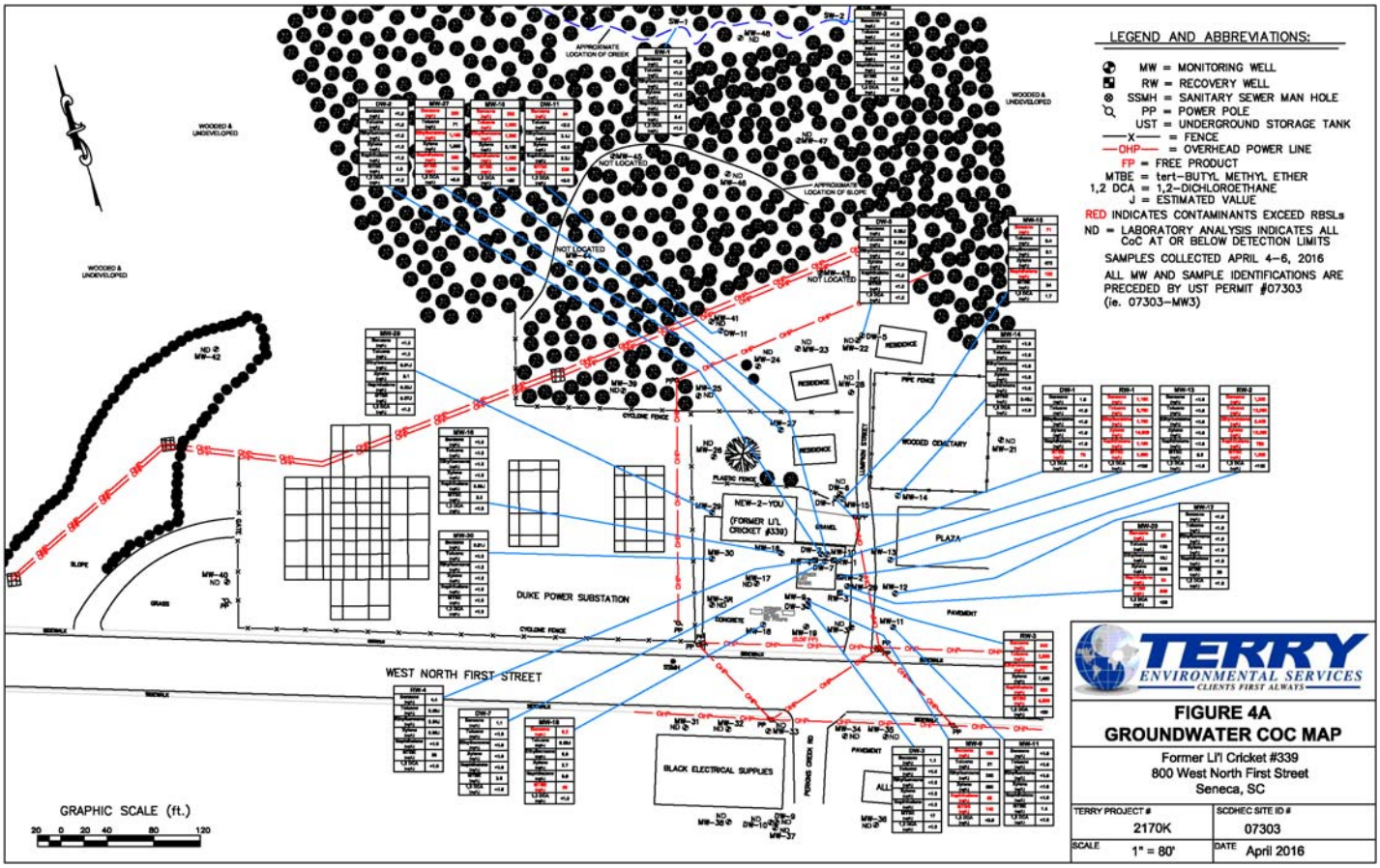
LEGEND AND ABBREVIATIONS:
MW = MONITORING WELL
RW = RECOVERY WELL
SSMH = SANITARY SEWER MAN HOLE
PP = POWER POLE
UST = UNDERGROUND STORAGE TANK
X = FENCE
OHP = OVERHEAD POWER LINE
FP = FREE PRODUCT
MTBE = tert-BUTYL METHYL ETHER
1,2 DCA = 1,2-DICHLOROETHANE
J = ESTIMATED VALUE
RED INDICATES CONTAMINANTS EXCEED RBSLs
ND = LABORATORY ANALYSIS INDICATES ALL CoC AT OR BELOW DETECTION LIMITS
SAMPLES COLLECTED APRIL 4-6, 2016
ALL MW AND SAMPLE IDENTIFICATIONS ARE PRECEDED BY UST PERMIT #07303 (ie. 07303-MW3)
WEST NORTH FIRST STREET
DUKE POWER SUBSTATION
NEW-2-YOU (FORMER LIL CRICKET #339)
BLACK ELECTRICAL SUPPLIES
WOODED CEMETARY
PLAZA
RESIDENCE
WOODED & UNDEVELOPED
GRAPHIC SCALE (ft.)
20 0 20 40 80 120
TERRY ENVIRONMENTAL SERVICES
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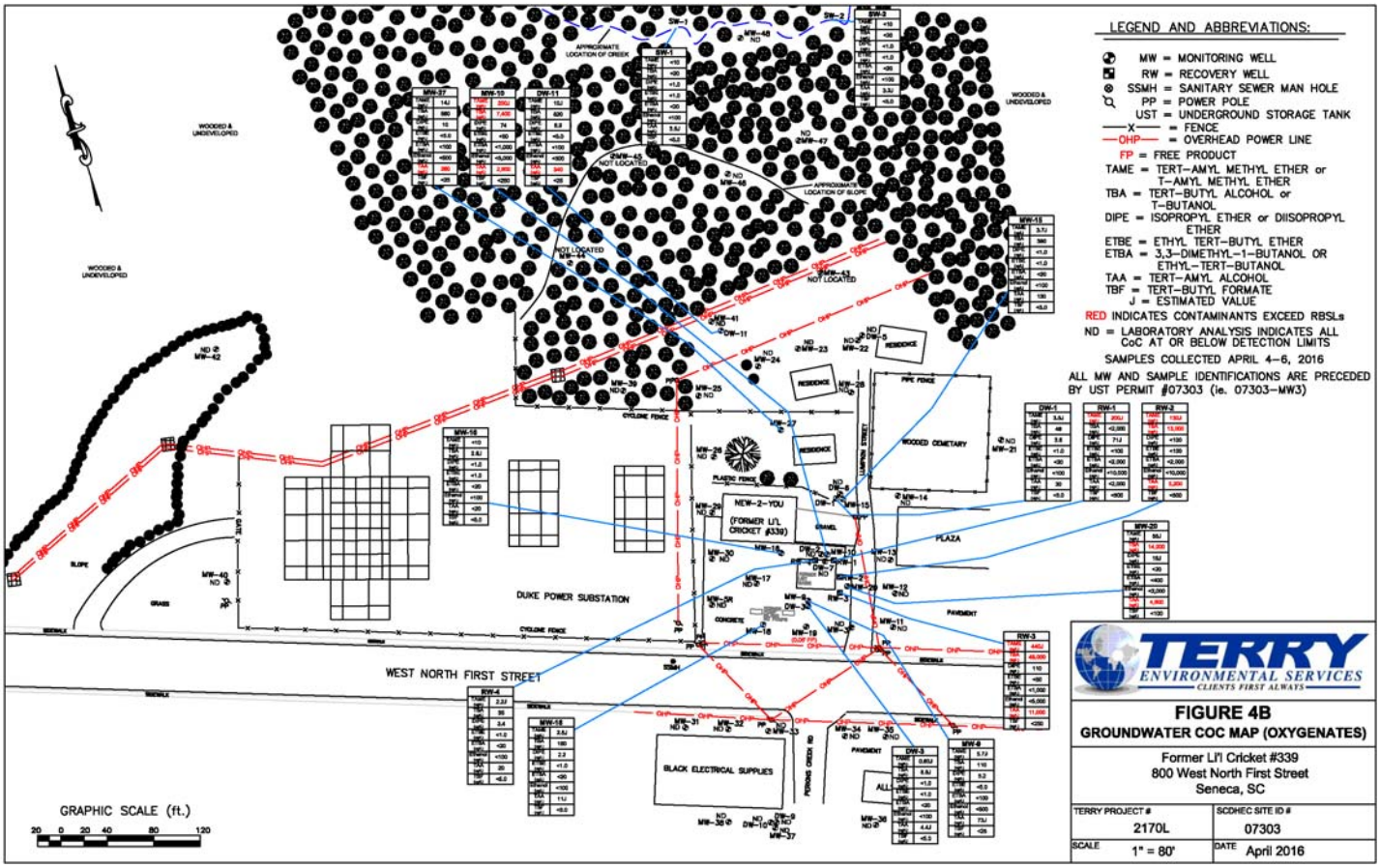
FIGURE 4A
GROUNDWATER COC MAP
Former Lil Cricket #339
800 West North First Street
Seneca, SC
TERRY PROJECT # 2170K
SCDHEC SITE ID # 07303
SCALE 1" = 80'
DATE April 2016



TERRY ENVIRONMENTAL SERVICES
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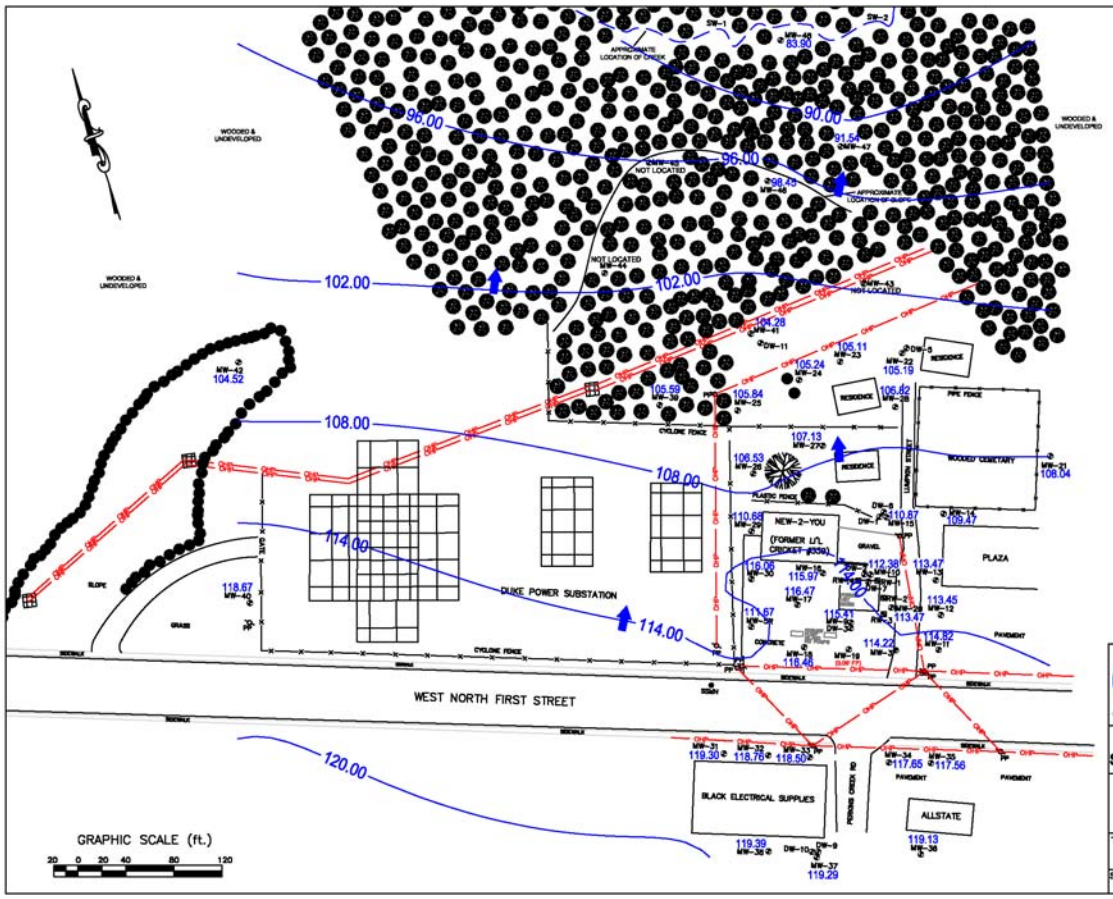
FIGURE 4B
GROUNDWATER COC MAP (OXYGENATES)

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170L	07303
SCALE 1" = 80'	DATE April 2016



TERRY ENVIRONMENTAL SERVICES
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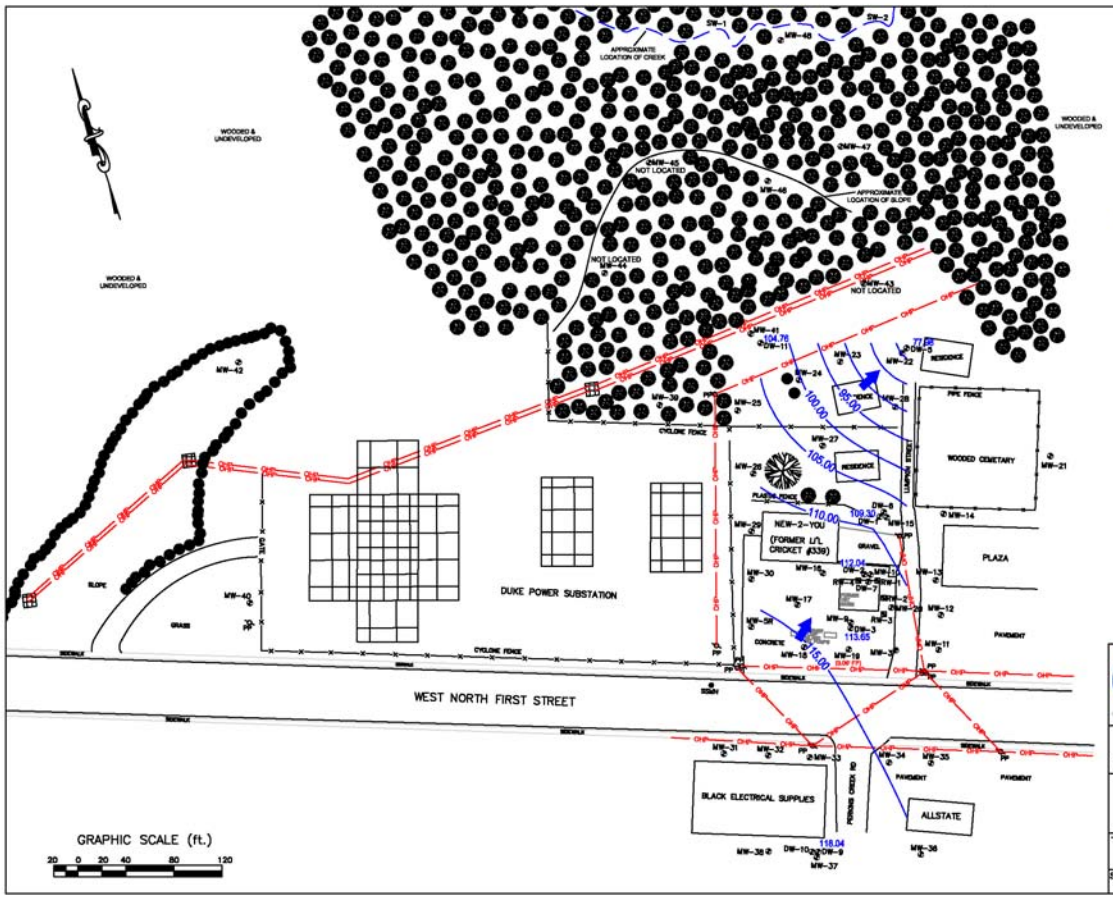
FIGURE 5A
SITE POTENTIOMETRIC MAP (SHALLOW)

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170L	07303
SCALE 1" = 80'	DATE April 2016



LEGEND AND ABBREVIATIONS:

- MW = MONITORING WELL
- RW = RECOVERY WELL
- SSMH = SANITARY SEWER MAN HOLE
- PP = POWER POLE
- UST = UNDERGROUND STORAGE TANK
- —X— = FENCE
- —OHP— = OVERHEAD POWER LINE
- 109.30 GROUNDWATER ELEVATION (RELATIVE TO AN ASSUMED DATUM)
- 108.00 GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION

MEASUREMENTS COLLECTED APRIL 4–6, 2016

ALL MW AND SAMPLE IDENTIFICATIONS ARE PRECEDED BY UST PERMIT #07303 (ie. 07303–MW3)

TERRY ENVIRONMENTAL SERVICES
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FIGURE 5B
SITE POTENTIOMETRIC MAP (DEEP)

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170L	07303
SCALE 1" = 80'	DATE April 2016

K. APPENDICES

1. Appendix A: Site Survey

Not Applicable

2. Appendix B: Sampling Logs and Laboratory Data

3. Appendix C: Tax Map

Not Applicable

4. Appendix D: Soil Boring/Field Screening Logs

Not Applicable

5. Appendix E: Well Completion Logs/SCDHEC 1903 Forms

Not Applicable

6. Appendix F: Aquifer Evaluation Forms

Not Applicable

7. Appendix G: Disposal Manifest

8. Appendix H: Local Zoning Regulations

Not Applicable

9. Appendix I: Fate and Transport Modeling Data

Not Applicable

10. Appendix J: Access Agreements

Not Applicable

11. Appendix K: Data Verification Checklist

APPENDIX A

Site Survey
(Not Applicable)

APPENDIX B

Sampling Logs and Laboratory Data

Groundwater Sampling Log

TERRY Environmental Services
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P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4 / 5 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	70

Quality Assurance

pH Meter	Horiba U-52-2	*Conductivity Meter*	Horiba U-52-2
Serial Number	VWKAUMKJ	*Serial Number*	VWKAUMKJ
Calibration Constant	4.00	*Calibration Constant*	4.49 mS/cm
Calibration Constant	6.86	*Calibration Constant*	53.0 mS/cm
Calibration Constant	9.18	*Calibration Constant*	58.7 mS/cm
Last Calibration (time)	0800	*Last Verification √ (time)*	1600

Monitoring Well Information

Well ID	07303 - MW3		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	37-53	ft	
Total Well Depth (nearest 0.1')	54.4	ft	
Depth to Groundwater (nearest 0.01')	37.93	ft	
Length of Water Column	16.47	ft	
1 Casing Volume (0.163)	2.77	ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged	10 Purge	gals	
Purge Technique Utilized (bailer, pump)			54.4
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	Initial	Sample									
Time (military)	1600										
pH (su)	6.53										
Spec Conductivity (mS/cm)	0.014										
Water Temperature (°C)	19.8										
Turbidity (NTU)	1.8										
Dissolved Oxygen (mg/L)	11.54										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4 / 5 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	70

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0800	Last Verification √ (time)	1200

Monitoring Well Information

Well ID	07303 - MW-5R		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	50-60	ft	
Total Well Depth (nearest 0.1')	59.9	ft	
Depth to Groundwater (nearest 0.01')	38.34	ft	
Length of Water Column	21.56	ft	
1 Casing Volume (0.163)	3.51	ft	
3 Casing Volumes (0.489)	10.53	gals	
Total Volume Purged	11.25	gals	
Purge Technique Utilized (bailer, pump)			59.9
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	Initial	3.75	7.50	11.25	Sample					
Time (military)	1447	HSA	1457	1502						
pH (su)	~~0.00~~ 7.11	6.78	6.78	6.81						
Spec Conductivity (mS/cm)	0.144	0.029	0.025	0.021						
Water Temperature (°C)	20.1	19.6	19.6	19.6						
Turbidity (NTU)	32.7	76.9	79.3	81.2						
Dissolved Oxygen (mg/L)	8.84	8.49	8.44	8.41						

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4/6 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	65

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0915	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - MW9		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	45-35	ft	
Total Well Depth (nearest 0.1')	55.0	ft	
Depth to Groundwater (nearest 0.01')	DS ~~35.18~~ 35.44	ft	
Length of Water Column	19.56	ft	
1 Casing Volume (0.163)	3.19	ft	
3 Casing Volumes (0.489)	9.57	gals	
Total Volume Purged	10.5	gals	
Purge Technique Utilized (bailer, pump)			55.0
Well Yield	Low ☐ Medium ☐ High ☐		

	Initial			
Volume (gal)	Initial	3.5	7.0	10.5
Time (military)	1248	1252	~~1256~~	1300
pH (su)	7.44	8.70	8.72	8.68
Spec Conductivity (mS/cm)	0.210	0.212	0.214	0.214
Water Temperature (°C)	17.9	18.4	18.4	18.4
Turbidity (NTU)	17.3	19.9	20.1	20.0
Dissolved Oxygen (mg/L)	5.59	5.21	4.93	4.94

Sample

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4 / 6 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	55

Monitoring Well Information

Well ID	07303 - MW 10
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in
Screened Interval	42-52	ft
Total Well Depth (nearest 0.1')	51.8	ft
Depth to Groundwater (nearest 0.01')	39.69	ft
Length of Water Column	12.11	ft
1 Casing Volume (0.163)	1.97	ft
3 Casing Volumes (0.489)	5.91	gals
Total Volume Purged	6.00	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

51.8

Purge Technique Utilized (bailer, pump)

Well Yield *Low* ☐ *Medium* ☐ *High* ☐

Quality Assurance

pH Meter	Horiba U-52-2	*Conductivity Meter*	Horiba U-52-2
Serial Number	VWKAUMKJ	*Serial Number*	VWKAUMKJ
Calibration Constant	4.00	*Calibration Constant*	4.49 mS/cm
Calibration Constant	6.86	*Calibration Constant*	53.0 mS/cm
Calibration Constant	9.18	*Calibration Constant*	58.7 mS/cm
Last Calibration (time)	0915	*Last Verification √(time)*	

Volume (gal)	2.00	2.00	4.00	6.00	Sample					
Time (military)	1122	1125	1128	1131						
pH (su)	8.04	8.07	8.06	8.08						
Spec Conductivity (mS/cm)	0.380	0.376	0.376	0.374						
Water Temperature (°C)	17.9	18.5	18.5	18.3						
Turbidity (NTU)	28.1	36.4	37.0	38.2						
Dissolved Oxygen (mg/L)	3.43	2.89	2.86	2.84						

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	√
-manhole and cover acceptable?	√
-well pad acceptable?	√
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

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Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4/5 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	70

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0800	Last Verification √ (time)	1200

Monitoring Well Information

Well ID	07303 - MW11		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-50	ft	
Total Well Depth (nearest 0.1')	49.8	ft	
Depth to Groundwater (nearest 0.01')	38.69	ft	
Length of Water Column	11.11	ft	
1 Casing Volume (0.163)	1.81	ft	
3 Casing Volumes (0.489)	5.43	gals	
Total Volume Purged	6.00	gals	
Purge Technique Utilized (bailer, pump)			49.8
Well Yield	Low ☐	Medium ☐	High ☐

Volume (gal)	Initial	2.00	4.00	6.00	Sample					
Time (military)	1327	1330	1333	1336						
pH (su)	5.45	5.47	5.48	5.50						
Spec Conductivity (mS/cm)	0.055	0.060	0.061	0.063						
Water Temperature (°C)	19.7	20.0	20.0	20.0						
Turbidity (NTU)	11.2	5.1	5.3	5.4						
Dissolved Oxygen (mg/L)	6.47	6.41	6.40	6.37						

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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Summerville, SC 29484
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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4/15/2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	70

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0800	Last Verification √ (time)	1200

Monitoring Well Information

Well ID	07303 - MW12		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-50	ft	
Total Well Depth (nearest 0.1')	49.9	ft	
Depth to Groundwater (nearest 0.01')	40.95	ft	
Length of Water Column	8.95	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			49.9
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	Initial	Sample								
Time (military)	1312									
pH (su)	6.07									
Spec Conductivity (mS/cm)	0.086									
Water Temperature (°C)	20.4									
Turbidity (NTU)	14.8									
Dissolved Oxygen (mg/L)	5.63									

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

No Purge

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4 / 5 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	70

Quality Assurance

pH Meter	Horiba U-52-2	*Conductivity Meter*	Horiba U-52-2
Serial Number	VWKAUMKJ	*Serial Number*	VWKAUMKJ
Calibration Constant	4.00	*Calibration Constant*	4.49 mS/cm
Calibration Constant	6.86	*Calibration Constant*	53.0 mS/cm
Calibration Constant	9.18	*Calibration Constant*	58.7 mS/cm
Last Calibration (time)	0800	*Last Verification √(time)*	1200

Monitoring Well Information

Well ID	07303 - MW13	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	40-50	ft
Total Well Depth (nearest 0.1')	49.9	ft
Depth to Groundwater (nearest 0.01')	40.07	ft
Length of Water Column	9.983	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)	No purge	gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	*Low* ☐ *Medium* ☐ *High* ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

49.9

Volume (gal)	Initial	Sample									
Time (military)	1307										
pH (su)	6.64										
Spec Conductivity (mS/cm)	0.126										
Water Temperature (°C)	20.1										
Turbidity (NTU)	21.4										
Dissolved Oxygen (mg/L)	5.39										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	missing bolt
-well pad acceptable?	
-area safe?	Y
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4 / 5 /2016
Field Personnel	DS BS
General Weather	Sunny 70
Ambient Air Temperature	70

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0800	Last Verification √ (time)	1200

Monitoring Well Information

Well ID	07303 - MW 14		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	45-55	ft	
Total Well Depth (nearest 0.1')	54.8	ft	
Depth to Groundwater (nearest 0.01')	44.85	ft	
Length of Water Column	9.95	ft	
1 Casing Volume (0.163)	1.62	ft	
3 Casing Volumes (0.489)	4.86	gals	
Total Volume Purged	5.25	gals	
Purge Technique Utilized (bailer, pump)			54.8
Well Yield	Low ☐	Medium ☐	High ☐

	Initial			
Volume (gal)	Initial	1.75	3.50	5.25
Time (military)	1250	1253	1256	1259
pH (su)	5.45	5.47	5.49	5.49
Spec Conductivity (mS/cm)	0.094	0.091	0.090	0.093
Water Temperature (°C)	19.4	18.9	18.9	18.9
Turbidity (NTU)	29.2	14.9	14.7	14.2
Dissolved Oxygen (mg/L)	6.84	6.78	6.51	6.21

Sample

Well Condition Information

-overall condition acceptable? Yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4/15/2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	70

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0800	Last Verification √ (time)	1600

Monitoring Well Information

Well ID	07303 - MW15	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	40-50	ft
Total Well Depth (nearest 0.1')	49.9	ft
Depth to Groundwater (nearest 0.01')	41.80	ft
Length of Water Column	8.1	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)	No Purge	gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

49.9

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Volume (gal)	Ethanol	Sample								
Time (military)	1722									
pH (su)	7.58									
Spec Conductivity (mS/cm)	0.151									
Water Temperature (°C)	19.3									
Turbidity (NTU)	17.2									
Dissolved Oxygen (mg/L)	4.95									

No Purge

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Dup @ 1724

No Purge

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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1-800-325-0605

Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	11 / 5 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	70

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0800	Last Verification √ (time)	1300

Monitoring Well Information

Well ID	07303 - MW16		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-55	ft	
Total Well Depth (nearest 0.1')	~~54.9~~ 54.9	ft	
Depth to Groundwater (nearest 0.01')	35.36	ft	
Length of Water Column	19.54	ft	
1 Casing Volume (0.163)	3.19	ft	
3 Casing Volumes (0.489)	9.57	gals	
Total Volume Purged	9.75	gals	
Purge Technique Utilized (bailer, pump)			54.9
Well Yield	Low ☐ Medium ☐ High ☐		

	Initial	3.25	6.50	9.75	Sample
Volume (gal)					
Time (military)	1545	1550	1555	~~1559~~ 1559	
pH (su)	6.25	6.24	6.20	6.18	
Spec Conductivity (mS/cm)	0.121	0.118	0.117	0.110	
Water Temperature (°C)	19.7	19.5	19.5	19.5	
Turbidity (NTU)	29.4	7.7	6.8	7.2	
Dissolved Oxygen (mg/L)	2.16	2.19	2.25	2.42	

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4 / 15 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	70

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0800	Last Verification √ (time)	1200

Monitoring Well Information

Well ID	07303 - MW17		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	44-54	ft	
Total Well Depth (nearest 0.1')	54.8	ft	
Depth to Groundwater (nearest 0.01')	34.31	ft	
Length of Water Column	20.49	ft	
1 Casing Volume (0.163)	3.34	ft	
3 Casing Volumes (0.489)	10.02	gals	
Total Volume Purged	10.5	gals	
Purge Technique Utilized (bailer, pump)			54.8
Well Yield	Low ☐	Medium ☐	High ☐

Volume (gal)	Initial	3.50	7.00	10.50	Sample					
Time (military)	1507	1512	1517	1522						
pH (su)	7.43	4.51	4.47	4.50						
Spec Conductivity (mS/cm)	0.076	0.099	0.098	0.100						
Water Temperature (°C)	19.9	19.7	19.7	19.7						
Turbidity (NTU)	9.9	15.4	15.8	16.2						
Dissolved Oxygen (mg/L)	5.63	4.20	4.14	4.19						

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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1-800-325-0605

Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4/5/2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	70

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0800	Last Verification √ (time)	1200

Monitoring Well Information

Well ID	07303 - MW18		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	35-50	ft	
Total Well Depth (nearest 0.1')	49.9	ft	
Depth to Groundwater (nearest 0.01')	33.85	ft	
Length of Water Column	16.05	ft	
1 Casing Volume (0.163)	2.62	ft	
3 Casing Volumes (0.489)	7.86	gals	
Total Volume Purged	8.25	gals	
Purge Technique Utilized (~~bailer~~, pump)			49.9
Well Yield	Low ☐	Medium ☐	High ☐

Volume (gal)	Initial	2.75	5.5	8.25	Sample					
Time (military)	1526	1531	1536	1541						
pH (su)	6.68	6.46	6.45	6.42						
Spec Conductivity (mS/cm)	0.178	0.200	0.204	0.207						
Water Temperature (°C)	20.2	19.3	19.3	19.3						
Turbidity (NTU)	3.5	89.2	86.4	89.4						
Dissolved Oxygen (mg/L)	3.69	3.14	3.21	3.00						

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4 / 6 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	55

Monitoring Well Information

Well ID	07303 - MW19		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	38-55	ft	
Total Well Depth (nearest 0.1')	52.9	ft	
Depth to Groundwater (nearest 0.01')	35.28	ft	
Length of Water Column	17.62	ft	
1 Casing Volume (0.163)	2.87	ft	
3 Casing Volumes (0.489)	8.61	gals	
Total Volume Purged	900	gals	
Purge Technique Utilized (bailer, pump)			52.9
Well Yield	*Low* ☐ *Medium* ☐ *High* ☐		

Quality Assurance

pH Meter	Horiba U-52-2	*Conductivity Meter*	Horiba U-52-2
Serial Number	VWKAUMKJ	*Serial Number*	VWKAUMKJ
Calibration Constant	4.00	*Calibration Constant*	4.49 mS/cm
Calibration Constant	6.86	*Calibration Constant*	53.0 mS/cm
Calibration Constant	9.18	*Calibration Constant*	58.7 mS/cm
Last Calibration (time)	0915	*Last Verification √ (time)*	—

Volume (gal)	Initial									
Time (military)										
pH (su)										
Spec Conductivity (mS/cm)										
Water Temperature (°C)										
Turbidity (NTU)										
Dissolved Oxygen (mg/L)										

Well Condition Information

-overall condition acceptable?	
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Product

35.23 (Difference of 0.05)

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4/6 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	55

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0915	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - MW-20		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	35-50	ft	
Total Well Depth (nearest 0.1')	49.9	ft	
Depth to Groundwater (nearest 0.01')	38.61	ft	
Length of Water Column	11.29	ft	
1 Casing Volume (0.163)	/	ft	
3 Casing Volumes (0.489)	no	gals	
Total Volume Purged	Purge	gals	
Purge Technique Utilized (~~bailer~~, pump)			49.9
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	Initial	Sample									
Time (military)	1155	/									
pH (su)	6.67	/									
Spec Conductivity (mS/cm)	0.197	/									
Water Temperature (°C)	18.6	/									
Turbidity (NTU)	36.3	/									
Dissolved Oxygen (mg/L)	5.67	/									

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments _____

Additional Comments

No Purge

Dup @ 1157

Groundwater Sampling Log

TERRY Environmental Services
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P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4/5/2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	70

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0800	Last Verification √ (time)	1200

Monitoring Well Information

Well ID	07303 - MW 21		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-55	ft	
Total Well Depth (nearest 0.1')	54.9	ft	
Depth to Groundwater (nearest 0.01')	46.51	ft	
Length of Water Column	8.39	ft	
1 Casing Volume (0.163)	1.37	ft	
3 Casing Volumes (0.489)	4.11	gals	
Total Volume Purged	no purge	gals	
Purge Technique Utilized (bailer, pump)			54.9
Well Yield	Low ☐	Medium ☐	High ☐

Volume (gal)	Initial	Sample									
Time (military)	1245										
pH (su)	5.75										
Spec Conductivity (mS/cm)	0.048										
Water Temperature (°C)	18.8										
Turbidity (NTU)	6.5										
Dissolved Oxygen (mg/L)	8.21										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

No Purge

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4 /5 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	65

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0700	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - MW22		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	44-55	ft	
Total Well Depth (nearest 0.1')	~~55.0~~ 55.0	ft	
Depth to Groundwater (nearest 0.01')	41.66	ft	
Length of Water Column	10.34	ft	
1 Casing Volume (0.163)	/	ft	
3 Casing Volumes (0.489)	/	gals	
Total Volume Purged	/	gals	
Purge Technique Utilized (bailer, pump)			55.0
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	Initial	Simple									
Time (military)	0859	/									
pH (su)	11.02	/									
Spec Conductivity (mS/cm)	0.380	/				No Purge					
Water Temperature (°C)	15.8	/									
Turbidity (NTU)	14.2	/									
Dissolved Oxygen (mg/L)	7.22	/									

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	√
-manhole and cover acceptable?	√
-well pad acceptable?	√
-area safe?	√
-other comments	

Additional Comments

No Purge

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	11 / 5 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	60

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0800	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - MW23		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-55	ft	
Total Well Depth (nearest 0.1')	54.9	ft	
Depth to Groundwater (nearest 0.01')	44.94	ft	
Length of Water Column	9.96	ft	
1 Casing Volume (0.163)	1.62	ft	
3 Casing Volumes (0.489)	4.86	gals	
Total Volume Purged	5.25	gals	
Purge Technique Utilized (bailer, pump)			54.9
Well Yield	Low ☐ Medium ☐ High ☐		

	Initial									
Volume (gal)	Initial	1.75	3.0	5.25	Sample					
Time (military)	0910	0913	0916	0919						
pH (su)	8.11	7.87	7.85	7.80						
Spec Conductivity (mS/cm)	0.258	0.259	0.258	0.259						
Water Temperature (°C)	16.1	16.2	16.2	16.2						
Turbidity (NTU)	13.7	77.2	86.1	84.3						
Dissolved Oxygen (mg/L)	7.32	7.81	7.93	8.41						

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	√
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4 / 6 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	55

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0915	Last Verification √ (time)	—

Monitoring Well Information

Well ID	07303 - MW24		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-55	ft	
Total Well Depth (nearest 0.1')	54.8	ft	
Depth to Groundwater (nearest 0.01')	44.78	ft	
Length of Water Column	10.02	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged	NO Purge	gals	
Purge Technique Utilized (bailer, pump)			54.8
Well Yield	Low ☐ Medium ☐ High ☐		

	Initial	Sample								
Volume (gal)	Initial	Sample								
Time (military)	0920									
pH (su)	6.31									
Spec Conductivity (mS/cm)	0.102									
Water Temperature (°C)	14.4									
Turbidity (NTU)	37.3									
Dissolved Oxygen (mg/L)	9.26									

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	↓
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

No Purge

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4/5/2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	70

Quality Assurance

pH Meter	Horiba U-52-2	*Conductivity Meter*	Horiba U-52-2
Serial Number	VWKAUMKJ	*Serial Number*	VWKAUMKJ
Calibration Constant	4.00	*Calibration Constant*	4.49 mS/cm
Calibration Constant	6.86	*Calibration Constant*	53.0 mS/cm
Calibration Constant	9.18	*Calibration Constant*	58.7 mS/cm
Last Calibration (time)	0700	*Last Verification √ (time)*	1200

Monitoring Well Information

Well ID	07303 - MW25		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	39-54	ft	
Total Well Depth (nearest 0.1')	53.9	ft	
Depth to Groundwater (nearest 0.01')	42.30	ft	
Length of Water Column	11.6	ft	
1 Casing Volume (0.163)	/	ft	
3 Casing Volumes (0.489)	/	gals	
Total Volume Purged	No Purge	gals	
Purge Technique Utilized (bailer, pump)			
Well Yield Low ☐ Medium ☐ High ☐			53.9

Volume (gal)	Initial	Sample									
Time (military)	1205	/									
pH (su)	6.61	/									
Spec Conductivity (mS/cm)	0.076	/									
Water Temperature (°C)	17.8	/									
Turbidity (NTU)	Lilling	/									
Dissolved Oxygen (mg/L)	7.10	/									

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments _____

Additional Comments

No Purge

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4 / 6 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	55

Monitoring Well Information

Well ID	07303 - MW 26
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	37-52	ft	
Total Well Depth (nearest 0.1')	DS	ft 51.8	
Depth to Groundwater (nearest 0.01')	40.12	ft	
Length of Water Column	11.68	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged	No Purge	gals	
Purge Technique Utilized (bailer, pump)			SDS
Well Yield	Low ☐ Medium ☐ High ☐		DS

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0915	Last Verification √ (time)	

Volume (gal)	Initial	Sample								
Time (military)	0954									
pH (su)	6.42				No Purge					
Spec Conductivity (mS/cm)	0.120									
Water Temperature (°C)	14.5									
Turbidity (NTU)	1.7									
Dissolved Oxygen (mg/L)	9.41									

Well Condition Information

-overall condition acceptable?	
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

CUT Eventually Cond
Obstructed by overgrown field DS

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4 / 6 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	55

Monitoring Well Information

Well ID	07303 - MW 27
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in
Screened Interval	40-55	ft
Total Well Depth (nearest 0.1')	54.9	ft
Depth to Groundwater (nearest 0.01')	42.86	ft
Length of Water Column	12.04	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged	No Purge	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

54.9

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0913	Last Verification √ (time)	

Volume (gal)	Initial	Simple								
Time (military)	0929									
pH (su)	6.69									
Spec Conductivity (mS/cm)	0.761									
Water Temperature (°C)	15.6									
Turbidity (NTU)	27.4									
Dissolved Oxygen (mg/L)	7.64									

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	Area in overgrown grass
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

No Purge

Strong Petrol odor

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4/5/2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	60

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0800	Last Verification √ (time)	/

Monitoring Well Information

Well ID	07303 - MW28		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-55	ft	
Total Well Depth (nearest 0.1')	55.0	ft	
Depth to Groundwater (nearest 0.01')	45.42	ft	
Length of Water Column	9.85	ft	
1 Casing Volume (0.163)	1.56	ft	
3 Casing Volumes (0.489)	4.68	gals	
Total Volume Purged	No Purge	gals	
Purge Technique Utilized (bailer, pump)			55.0
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	Initial	Sample								
Time (military)	0925									
pH (su)	6.79			No Purge						
Spec Conductivity (mS/cm)	0.164									
Water Temperature (°C)	16.4									
Turbidity (NTU)	23.4									
Dissolved Oxygen (mg/L)	7.82									

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?		
-manhole and cover acceptable?		
-well pad acceptable?		
-area safe?	√
-other comments	

Additional Comments

No Purge

Groundwater Sampling Log

TERRY Environmental Services
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1-800-325-0605

Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4 / 5 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	70

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0800	Last Verification √ (time)	1200

Monitoring Well Information

Well ID	07303 - MW29	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	40-55	ft
Total Well Depth (nearest 0.1')	54.9	ft
Depth to Groundwater (nearest 0.01')	41.49	ft
Length of Water Column	13.41	ft
1 Casing Volume (0.163)	/	ft
3 Casing Volumes (0.489)	/	gals
Total Volume Purged	no purge	gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

54.9

	Initial	Sample								
Volume (gal)	Initial	Sample								
Time (military)	1347	/								
pH (su)	5.28									
Spec Conductivity (mS/cm)	0.053									
Water Temperature (°C)	19.7									
Turbidity (NTU)	18.9									
Dissolved Oxygen (mg/L)	5.68									

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	↓
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

No Purge

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	11 / 5 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	70

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0800	Last Verification √ (time)	1200

Monitoring Well Information

Well ID	07303 - MW30		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	45-60	ft	
Total Well Depth (nearest 0.1')	59.9	ft	
Depth to Groundwater (nearest 0.01')	35.17	ft	
Length of Water Column	24.73	ft	
1 Casing Volume (0.163)	4.03	ft	
3 Casing Volumes (0.489)	12.09	gals	
Total Volume Purged	12.75	gals	
Purge Technique Utilized (bailer, pump)			59.9
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	initial	4.25	8.5	12.75	Sample					
Time (military)	~~1345~~ 1354	1357	1400	1403	#					
pH (su)	6.47	6.19	6.18	6.15						
Spec Conductivity (mS/cm)	0.080	0.094	0.096	0.096						
Water Temperature (°C)	19.9	19.3	19.3	19.3						
Turbidity (NTU)	172	13.8	13.4	13.1						
Dissolved Oxygen (mg/L)	5.61	4.44	3.47	3.21						

Well Condition Information

-overall condition acceptable?	Y
-well cap acceptable?	Y
-manhole and cover acceptable?	Y
-well pad acceptable?	Y
-area safe?	Y
-other comments	

Additional Comments

Well tag marks 45-55
tagged at 59.9

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4 / 4 /2016
Field Personnel	DS BJ
General Weather	Sunny
Ambient Air Temperature	72

Monitoring Well Information

Well ID	07303 - mw3j	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	26-41	ft
Total Well Depth (nearest 0.1')	41.0	ft
Depth to Groundwater (nearest 0.01')	29.65	ft
Length of Water Column	11.35	ft
1 Casing Volume (0.163)	/	ft
3 Casing Volumes (0.489)	/	gals
Total Volume Purged	/	gals
Purge Technique Utilized (bailer, pump)		
Well Yield Low ☐ Medium ☐ High ☐		

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

41.0

Quality Assurance

pH Meter	Horiba U-52-2	*Conductivity Meter*	Horiba U-52-2
Serial Number	VWKAUMKJ	*Serial Number*	VWKAUMKJ
Calibration Constant	4.00	*Calibration Constant*	4.49 mS/cm
Calibration Constant	6.86	*Calibration Constant*	53.0 mS/cm
Calibration Constant	9.18	*Calibration Constant*	58.7 mS/cm
Last Calibration (time)	1345	*Last Verification √ (time)*	/

Volume (gal)	Initial	Sample								
Time (military)	1657									
pH (su)	5.99									
Spec Conductivity (mS/cm)	0.098									
Water Temperature (°C)	21.0									
Turbidity (NTU)	31.2									
Dissolved Oxygen (mg/L)	6.83									

No Purge

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	/
-manhole and cover acceptable?	/
-well pad acceptable?	/
-area safe?	/
-other comments	

Additional Comments

No Purge

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	11 / 4 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	76

Monitoring Well Information

Well ID	07303 - MW32
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in
Screened Interval	30-45	ft
Total Well Depth (nearest 0.1')	45.0	ft
Depth to Groundwater (nearest 0.01')	31.30	ft
Length of Water Column	13.7	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

45.0

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	1345	Last Verification √ (time)	

	Initial	Sample									
Volume (gal)											
Time (military)	1704										
pH (su)	5.87										
Spec Conductivity (mS/cm)	0.087										
Water Temperature (°C)	20.6										
Turbidity (NTU)	27.0										
Dissolved Oxygen (mg/L)	6.17										

No Purge

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

No Purge

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4/6/16 ~~DS / BS~~ 2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	76

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	1345	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - MW33		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	29 - 44	ft	
Total Well Depth (nearest 0.1')	43.9	ft	
Depth to Groundwater (nearest 0.01')	33.07	ft	
Length of Water Column	10.83	ft	
1 Casing Volume (0.163)	/	ft	
3 Casing Volumes (0.489)	/	gals	
Total Volume Purged	/	gals	
Purge Technique Utilized (bailer, pump)			43.9
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	Initial	Sample									
Time (military)	1710										
pH (su)	6.27			No	Purge						
Spec Conductivity (mS/cm)	0.102										
Water Temperature (°C)	20.0										
Turbidity (NTU)	19.7										
Dissolved Oxygen (mg/L)	6.41										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	|
-manhole and cover acceptable?	|
-well pad acceptable?	|
-area safe?	√
-other comments	

Additional Comments

No Purge

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4 /4 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	76

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	1345	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - MW34	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	30-45	ft
Total Well Depth (nearest 0.1')	45.0	ft
Depth to Groundwater (nearest 0.01')	36.05	ft
Length of Water Column	8.95	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

45.0

	Initial	Sample								
Volume (gal)										
Time (military)	1649									
pH (su)	6.02									
Spec Conductivity (mS/cm)	0.098									
Water Temperature (°C)	20.4									
Turbidity (NTU)	47.2									
Dissolved Oxygen (mg/L)	6.71									

No Purge

Well Condition Information

-overall condition acceptable? Yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4/4/2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	76

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	1345	Last Verification √(time)	

Monitoring Well Information

Well ID	07303 - MW35	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	31-46	ft
Total Well Depth (nearest 0.1')	46.0	ft
Depth to Groundwater (nearest 0.01')	36.96	ft
Length of Water Column	9.04	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

46.0

	Initial	Sample								
Volume (gal)										
Time (military)	1645									
pH (su)	5.44		No Purge							
Spec Conductivity (mS/cm)	0.046									
Water Temperature (°C)	21.5									
Turbidity (NTU)	6.2									
Dissolved Oxygen (mg/L)	6.57									

Well Condition Information

-overall condition acceptable? Yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4/14/2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	76

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	1345	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - MW36		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	31-46	ft	
Total Well Depth (nearest 0.1')	46.0	ft	46.0
Depth to Groundwater (nearest 0.01')	36.91	ft	
Length of Water Column	9.09	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	Initial	Sample									
Time (military)	1641										
pH (su)	6.53			No Purge							
Spec Conductivity (mS/cm)	0.031										
Water Temperature (°C)	20.0										
Turbidity (NTU)	5.7										
Dissolved Oxygen (mg/L)	6.75										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

No Purge

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4/14/2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	76

Monitoring Well Information

Well ID	07303 - MW37
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in
Screened Interval	29-44	ft
Total Well Depth (nearest 0.1')	44.0	ft
Depth to Groundwater (nearest 0.01')	32.44	ft
Length of Water Column	11.56	ft
1 Casing Volume (0.163)	1.88	ft
3 Casing Volumes (0.489)	5.64	gals
Total Volume Purged	—	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

44.0

Purge Technique Utilized (bailer, pump)

Well Yield *Low* ☐ *Medium* ☐ *High* ☐

Quality Assurance

pH Meter	Horiba U-52-2	*Conductivity Meter*	Horiba U-52-2
Serial Number	VWKAUMKJ	*Serial Number*	VWKAUMKJ
Calibration Constant	4.00	*Calibration Constant*	4.49 mS/cm
Calibration Constant	6.86	*Calibration Constant*	53.0 mS/cm
Calibration Constant	9.18	*Calibration Constant*	58.7 mS/cm
Last Calibration (time)	1345	*Last Verification √(time)*	

Volume (gal)	Initial										
Time (military)	1558										
pH (su)	8.34	No	Purge								
Spec Conductivity (mS/cm)	6.180										
Water Temperature (°C)	23.0										
Turbidity (NTU)	17.3										
Dissolved Oxygen (mg/L)	4.75										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	√
-other comments	

Additional Comments

No Purge

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4/4 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	76

Monitoring Well Information

Well ID	07303 - MW38
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in
Screened Interval	32-47	ft
Total Well Depth (nearest 0.1')	47.0	ft
Depth to Groundwater (nearest 0.01')	31.24	ft
Length of Water Column	15.76	ft
1 Casing Volume (0.163)	2.57	ft
3 Casing Volumes (0.489)	7.71	gals
Total Volume Purged	8.25	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (~~bailer~~ pump) — 470

Well Yield — Low ☐ Medium ☐ High ☐

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	1345	Last Verification √ (time)	✓

Volume (gal)	Initial	2.75	5.50	8.25	Sample					
Time (military)	1625	1628	1631	1634						
pH (su)	6.69	6.40	6.41	6.44						
Spec Conductivity (mS/cm)	0.086	0.077	0.076	0.073						
Water Temperature (°C)	21.2	20.3	20.3	20.3						
Turbidity (NTU)	141.2	88.0	90.4	91.3						
Dissolved Oxygen (mg/L)	6.82	6.98	7.89	7.97						

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4/5 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	65

Monitoring Well Information

Well ID	07303 - MW39
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in
Screened Interval	42-52	ft
Total Well Depth (nearest 0.1')	53.9	ft
Depth to Groundwater (nearest 0.01')	44.19	ft
Length of Water Column	9.17	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged	No Purge	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐ 53.9

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0800	Last Verification √ (time)	

Volume (gal)	Initial	Sample									
Time (military)	1055										
pH (su)	6.74										
Spec Conductivity (mS/cm)	0.081										
Water Temperature (°C)	70.8										
Turbidity (NTU)	73.4										
Dissolved Oxygen (mg/L)	8.41										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

No Purge

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4/5/2016
Field Personnel	DS RS
General Weather	Sunny
Ambient Air Temperature	60

Monitoring Well Information

Well ID	07303 - MW 40
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in
Screened Interval	6-16	ft
Total Well Depth (nearest 0.1')	16.0	ft
Depth to Groundwater (nearest 0.01')	13.66	ft
Length of Water Column	2.34	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

16.0

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0800	Last Verification √ (time)	

Volume (gal)	Initial	Sample									
Time (military)	0829										
pH (su)	5.44				No	Purge					
Spec Conductivity (mS/cm)	0.057										
Water Temperature (°C)	14.8										
Turbidity (NTU)	18.6										
Dissolved Oxygen (mg/L)	5.96										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	↓
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

No Purge

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4 / 5 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	65

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0800	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - MW-11		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	42-52	ft	
Total Well Depth (nearest 0.1')	~~42.96~~ 52.0	ft	
Depth to Groundwater (nearest 0.01')	42.96	ft	
Length of Water Column	9.04	ft	
1 Casing Volume (0.163)	1.47	ft	
3 Casing Volumes (0.489)	4.41	gals	
Total Volume Purged	no Purge	gals	
Purge Technique Utilized (bailer, pump)			52.0
Well Yield	Low ☐	Medium ☐	High ☐

Volume (gal)	Initial	Sample									
Time (military)	1106										
pH (su)	6.86										
Spec Conductivity (mS/cm)	0.100										
Water Temperature (°C)	17.8										
Turbidity (NTU)	23.3										
Dissolved Oxygen (mg/L)	6.16										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	↓
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Dup @ 1108

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	11/5/2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	60

Quality Assurance

pH Meter	Horiba U-52-2	*Conductivity Meter*	Horiba U-52-2
Serial Number	VWKAUMKJ	*Serial Number*	VWKAUMKJ
Calibration Constant	4.00	*Calibration Constant*	4.49 mS/cm
Calibration Constant	6.86	*Calibration Constant*	53.0 mS/cm
Calibration Constant	9.18	*Calibration Constant*	58.7 mS/cm
Last Calibration (time)	0703	*Last Verification √ (time)*	

Monitoring Well Information

Well ID	07303 - mw 42		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	2-9	ft	
Total Well Depth (nearest 0.1')	11.9 TOC	ft	
Depth to Groundwater (nearest 0.01')	7.35	ft	
Length of Water Column	3.55	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			
Well Yield	*Low* ☐ *Medium* ☐ *High* ☐		

Volume (gal)	2nd	Sample									
Time (military)	0820										
pH (su)	7.05										
Spec Conductivity (mS/cm)	0.059										
Water Temperature (°C)	13.6										
Turbidity (NTU)	91										
Dissolved Oxygen (mg/L)	7.09										

Well Condition Information

-overall condition acceptable?	
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Stick up well

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4 / 5 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	76

Monitoring Well Information

Well ID	07303 - MW 43
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter		in
Screened Interval		ft
Total Well Depth (nearest 0.1')		ft
Depth to Groundwater (nearest 0.01')		ft
Length of Water Column		ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield *Low* ☐ *Medium* ☐ *High* ☐

Quality Assurance

pH Meter	Horiba U-52-2	*Conductivity Meter*	Horiba U-52-2
Serial Number	VWKAUMKJ	*Serial Number*	VWKAUMKJ
Calibration Constant	4.00	*Calibration Constant*	4.49 mS/cm
Calibration Constant	6.86	*Calibration Constant*	53.0 mS/cm
Calibration Constant	9.18	*Calibration Constant*	58.7 mS/cm
Last Calibration (time)	0800	*Last Verification √ (time)*	1205

Volume (gal)										
Time (military)										
pH (su)										
Spec Conductivity (mS/cm)										
Water Temperature (°C)										
Turbidity (NTU)										
Dissolved Oxygen (mg/L)										

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

CNF @

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	11/6/2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	82

Monitoring Well Information

Well ID	07303 - MW 411
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter		in
Screened Interval		ft
Total Well Depth (nearest 0.1')		ft
Depth to Groundwater (nearest 0.01')		ft
Length of Water Column		ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield *Low* ☐ *Medium* ☐ *High* ☐

Quality Assurance

pH Meter	Horiba U-52-2	*Conductivity Meter*	Horiba U-52-2
Serial Number	VWKAUMKJ	*Serial Number*	VWKAUMKJ
Calibration Constant	4.00	*Calibration Constant*	4.49 mS/cm
Calibration Constant	6.86	*Calibration Constant*	53.0 mS/cm
Calibration Constant	9.18	*Calibration Constant*	58.7 mS/cm
Last Calibration (time)		*Last Verification √ (time)*	

Volume (gal)										
Time (military)										
pH (su)										
Spec Conductivity (mS/cm)										
Water Temperature (°C)										
Turbidity (NTU)										
Dissolved Oxygen (mg/L)										

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

CNF

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	11/6 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	55

Quality Assurance

pH Meter	Horiba U-52-2	*Conductivity Meter*	Horiba U-52-2
Serial Number	VWKAUMKJ	*Serial Number*	VWKAUMKJ
Calibration Constant	4.00	*Calibration Constant*	4.49 mS/cm
Calibration Constant	6.86	*Calibration Constant*	53.0 mS/cm
Calibration Constant	9.18	*Calibration Constant*	58.7 mS/cm
Last Calibration (time)		*Last Verification √ (time)*	

Monitoring Well Information

Well ID	07303 - MW 45	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter		in
Screened Interval		ft
Total Well Depth (nearest 0.1')		ft
Depth to Groundwater (nearest 0.01')		ft
Length of Water Column		ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield *Low* ☐ *Medium* ☐ *High* ☐

Volume (gal)										
Time (military)										
pH (su)										
Spec Conductivity (mS/cm)										
Water Temperature (°C)										
Turbidity (NTU)										
Dissolved Oxygen (mg/L)										

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

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Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4/6/2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	65

Monitoring Well Information

Well ID	07303 - MW46
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in
Screened Interval	40-50	ft
Total Well Depth (nearest 0.1')	49.9	ft
Depth to Groundwater (nearest 0.01')	42.19	ft
Length of Water Column	7.71	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

49.9

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0915	Last Verification √ (time)	1315

Volume (gal)	Initial	Sample									
Time (military)	1350										
pH (su)	6.85										
Spec Conductivity (mS/cm)	0.287										
Water Temperature (°C)	17.9										
Turbidity (NTU)	411.3										
Dissolved Oxygen (mg/L)	5.78										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

No Purge

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4/6/2016
Field Personnel	DJ BS
General Weather	Sunny
Ambient Air Temperature	55

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0915	Last Verification √ (time)	1315

Monitoring Well Information

Well ID	07303 - MW17	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	32-42	ft
Total Well Depth (nearest 0.1')	42.0	ft
Depth to Groundwater (nearest 0.01')	35.82	ft
Length of Water Column	6.18	ft
1 Casing Volume (0.163)	1.10	ft
3 Casing Volumes (0.489)	3.3	gals
Total Volume Purged	3.3	gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

42.0

Volume (gal)	Initial	1.1	2.2	3.3	Sample					
Time (military)	1430	1432	1434	1436						
pH (su)	6.33	6.26	6.25	6.27						
Spec Conductivity (mS/cm)	0.281	0.283	0.293	0.294						
Water Temperature (°C)	17.8	18.0	18.0	18.0						
Turbidity (NTU)	32.1	17.4	17.3	16.4						
Dissolved Oxygen (mg/L)	6.71	6.93	6.81	6.73						

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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1-800-325-0605

Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4/6 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	55

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0915	Last Verification √ (time)	1315

Monitoring Well Information

Well ID	07303 - MW 48	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	3-8	ft
Total Well Depth (nearest 0.1')	8.0	ft
Depth to Groundwater (nearest 0.01')	3.93	ft
Length of Water Column	4.07	ft
1 Casing Volume (0.163)	0.66	ft
3 Casing Volumes (0.489)	1.98	gals
Total Volume Purged	2.25	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

8.0

Purge Technique Utilized (bailer, pump)

Well Yield — Low ☐ Medium ☐ High ☐

Volume (gal)	Initial	0.75	1.5	2.25	Sample					
Time (military)	1414	1416	1418	1420						
pH (su)	7.14	6.88	6.88	6.87						
Spec Conductivity (mS/cm)	0.198	0.199	0.200	0.199						
Water Temperature (°C)	18.1	18.0	18.0	18.0						
Turbidity (NTU)	63.7	45.4	46.8	46.3						
Dissolved Oxygen (mg/L)	5.44	6.07	6.21	6.43						

Well Condition Information

-overall condition acceptable?

-well cap acceptable?

-manhole and cover acceptable?

-well pad acceptable?

-area safe?

-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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1-800-325-0605

Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4/5/2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	70

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0800	Last Verification √ (time)	1600

Monitoring Well Information

Well ID	07303 - DW1	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	75-80	ft
Total Well Depth (nearest 0.1')	79.9	ft
Depth to Groundwater (nearest 0.01')	43.06	ft
Length of Water Column	36.84	ft
1 Casing Volume (0.163)	6.00	ft
3 Casing Volumes (0.489)	18.00	gals
Total Volume Purged	18.00	gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

79.9

Volume (gal)	Initial	3.00	6.00	9.00	12.00	15.00	18.00	Sample		
Time (military)	1154	1658	1702	1706	1710	1714	1718			
pH (su)	9.42	9.21	8.99	8.91	8.06	8.00	7.97			
Spec Conductivity (mS/cm)	0.273	0.274	0.271	0.241	0.234	0.231	0.230			
Water Temperature (°C)	19.0	18.9	18.7	18.5	18.4	18.4	18.4			
Turbidity (NTU)	9.2	544.8	944.1	117	644.3	60.1	61.8			
Dissolved Oxygen (mg/L)	2.92	3.49	5.00	5.24	2.56	2.50	2.59			

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4 / 6 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	55

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0915	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - DW-2		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	75-80	ft	
Total Well Depth (nearest 0.1')	79.9	ft	
Depth to Groundwater (nearest 0.01')	39.73	ft	
Length of Water Column	40.17	ft	
1 Casing Volume (0.163)	6.55	ft	
3 Casing Volumes (0.489)	19.65	gals	
Total Volume Purged	~~21~~ 21.0	gals	
Purge Technique Utilized (bailer, pump)			79.9
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	Initial	3.5	7.0	10.5	14	17.5	21.0	Sample		
Time (military)	1040	1044	1048	1052	1056	1100	1104			
pH (su)	9.60	9.43	9.04	8.29	7.24	7.24	7.23			
Spec Conductivity (mS/cm)	0.207	0.207	0.207	0.204	0.206	0.207	0.207			
Water Temperature (°C)	17.3	17.4	17.5	17.7	17.9	17.9	17.9			
Turbidity (NTU)	16.6	20.1	26.3	28.7	28.6	28.1	28.0			
Dissolved Oxygen (mg/L)	4.57	4.50	4.21	3.59	4.00	4.32	4.15			

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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1-800-325-0605

Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	11 / 6 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	55

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0915	Last Verification √ (time)	/

Monitoring Well Information

Well ID	07303 - DW3	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	75-80	ft
Total Well Depth (nearest 0.1')	79.8	ft
Depth to Groundwater (nearest 0.01')	37.18	ft
Length of Water Column	42.62	ft
1 Casing Volume (0.163)	6.95	ft
3 Casing Volumes (0.489)	20.85	gals
Total Volume Purged	21.0	gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

79.7

Volume (gal)	Initial	3.5	7.0	10.5	14.0	17.5	21.0	Sample		
Time (military)	1215	1219	1223	1227	1231	1235	1239			
pH (su)	12.57	12.63	11.11	9.87	8.09	8.08	8.08			
Spec Conductivity (mS/cm)	0.820	0.517	0.352	0.319	0.217	0.217	0.216			
Water Temperature (°C)	18.2	18.2	18.2	18.4	18.4	18.4	18.4			
Turbidity (NTU)	171	110	106	54.2	23.7	23.4	23.0			
Dissolved Oxygen (mg/L)	6.11	6.00	5.36	5.01	4.47	4.90	4.92			

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4/5/2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	60

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0800	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - DWS		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	75-80	ft	
Total Well Depth (nearest 0.1')	79.9	ft	79.9
Depth to Groundwater (nearest 0.01')	72.21	ft	
Length of Water Column	~~2.37~~ 7.69	ft	
1 Casing Volume (0.163)	~~0.38~~ 1.25	ft	
3 Casing Volumes (0.489)	~~1.14~~ 3.75	gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			
Well Yield	Low ☐	Medium ☐	High ☐

Volume (gal)	Initial	1.25	2.50	3.75					
Time (military)	0838	0843	0848	0853					
pH (su)	13.85	13.74	13.79	13.80					
Spec Conductivity (mS/cm)	6.57	7.01	6.98	6.99					
Water Temperature (°C)	15.4	15.3	15.3	15.3					
Turbidity (NTU)	31.7	39.8	38.0	41.2					
Dissolved Oxygen (mg/L)	11.81	10.12	9.48	9.41					

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	11/5/2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	70

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0800	Last Verification √ (time)	1600

Monitoring Well Information

Well ID	07303 - DW6		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	115-130	ft	
Total Well Depth (nearest 0.1')	129.8	ft	
Depth to Groundwater (nearest 0.01')	42.23	ft	
Length of Water Column	87.57	ft	
1 Casing Volume (0.163)	14.27	ft	
3 Casing Volumes (0.489)	42.81	gals	
Total Volume Purged	43.50	gals	
Purge Technique Utilized (bailer, pump)			129.8
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	Initial	7.25	14.5	21.75	29.0	36.25	43.50	Simply		
Time (military)	1617	1622	1627	1632	1637	1642	1647			
pH (su)	11.09	11.17	11.72	11.95	11.31	11.27	11.26			
Spec Conductivity (mS/cm)	0.473	0.497	0.501	0.527	0.434	0.433	0.433			
Water Temperature (°C)	19.8	19.8	19.9	19.4	19.1	19.1	19.1			
Turbidity (NTU)	2.5	2.0	1.9	1.7	2.9	3.0	3.0			
Dissolved Oxygen (mg/L)	17.41	7.82	7.43	6.09	4.41	4.31	4.53			

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	↓
-manhole and cover acceptable?	↓
-well pad acceptable?	↓
-area safe?	↓
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4 / 6 /2016
Field Personnel	DS BS
General Weather	Sunni
Ambient Air Temperature	55

Monitoring Well Information

Well ID	07303 - DW7
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in
Screened Interval	115-120	ft
Total Well Depth (nearest 0.1')	114.9	ft
Depth to Groundwater (nearest 0.01')	60.10	ft
Length of Water Column	55.8	ft
1 Casing Volume (0.163)	9.10	ft
3 Casing Volumes (0.489)	27.3	gals
Total Volume Purged	28.5	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

179.9

Purge Technique Utilized (bailer, pump)

Well Yield — Low ☐ Medium ☐ High ☐

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0915	Last Verification √ (time)	✓

Volume (gal)	Initial	4.75	9.5	14.25	19.0	23.75	28.5	Sample		
Time (military)	1005	1010	1015	1020	1025	1030	1035			
pH (su)	13.07	13.21	13.27	13.33	13.81	13.82	13.84			
Spec Conductivity (mS/cm)	3.04	3.04	3.05	3.04	3.07	3.06	3.07			
Water Temperature (°C)	17.5	17.6	17.7	18.0	18.4	18.4	18.4			
Turbidity (NTU)	11.7	14.7	19.3	17.4	19.2	19.0	20.3			
Dissolved Oxygen (mg/L)	8.23	6.37	5.44	4.34	4.39	4.20	4.17			

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	✓
-manhole and cover acceptable?	✓
-well pad acceptable?	✓
-area safe?	✓
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4/4/2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	76

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	1345	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - DW9		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	75-80	ft	
Total Well Depth (nearest 0.1')	80.0	ft	
Depth to Groundwater (nearest 0.01')	22.92	ft	
Length of Water Column	46.08	ft	
1 Casing Volume (0.163)	7.51	ft	
3 Casing Volumes (0.489)	22.53	gals	
Total Volume Purged	26.0	gals	
Purge Technique Utilized (bailer/pump)			80.0
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	Initial	~~7.5~~	~~[illegible]~~	18.0	14.75	18.5	22.25	26.0	Sample	
Time (military)	1545	1550	1555	1600	1605	1610	1615	1620		
pH (su)	8.84	8.63	8.70	8.77	8.50	8.00	7.92	7.94		
Spec Conductivity (mS/cm)	0.160	0.162	0.157	0.156	0.148	0.149	0.147	0.143		
Water Temperature (°C)	21.3	21.2	21.1	21.0	19.7	19.3	19.3	19.3		
Turbidity (NTU)	5.0	5.8	4.4	3.7	4.5	6.9	7.2	7.4		
Dissolved Oxygen (mg/L)	4.16	5.20	4.75	4.64	5.16	5.10	~~5.03~~	5.17		

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4 / 11 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	76

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	1345	Last Verification √ (time)	/

Monitoring Well Information

Well ID	07303 - DW18		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	115-120	ft	
Total Well Depth (nearest 0.1')	120.0	ft	
Depth to Groundwater (nearest 0.01')	39.76	ft	
Length of Water Column	80.24	ft	
1 Casing Volume (0.163)	13.08	ft	
3 Casing Volumes (0.489)	39.24	gals	
Total Volume Purged	40.5	gals	
Purge Technique Utilized (bailer, pump)			120.0
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	Initial	6.75	13.50	20.25	27.0	33.75	40.5	Sample		
Time (military)	1500	1505	1510	1515	1520	1525	1530			
pH (su)	13.57	13.51	13.60	13.68	13.70	13.77	13.79			
Spec Conductivity (mS/cm)	1.87	1.88	1.88	1.89	1.90	1.92	1.95			
Water Temperature (°C)	28.3	26.4	24.7	23.9	23.3	23.3	23.3			
Turbidity (NTU)	71.0	54.1	48.7	40.9	34.7	35.8	36.2			
Dissolved Oxygen (mg/L)	5.34	5.28	5.33	5.00	4.10	4.15	4.31			

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	↓
-manhole and cover acceptable?	↓
-well pad acceptable?	↓
-area safe?	↓
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4/5/2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	65

Monitoring Well Information

Well ID	07303 - DW11
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in
Screened Interval	74-79	ft
Total Well Depth (nearest 0.1')	78.9	ft
Depth to Groundwater (nearest 0.01')	42.90	ft
Length of Water Column	36.0	ft
1 Casing Volume (0.163)	5.87	ft
3 Casing Volumes (0.489)	17.61	gals
Total Volume Purged	18.00	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

78.9

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0800	Last Verification √ (time)	

	Initial	3.00	6.00	9.00	12.00	15.00	18.00	Sample		
Volume (gal)										
Time (military)	1117	1121	1125	1129	1133	1137	1141			
pH (su)	6.83	6.97	6.96	6.90	6.86	6.82	6.81			
Spec Conductivity (mS/cm)	0.290	0.299	0.372	0.317	0.300	0.290	0.291			
Water Temperature (°C)	19.1	18.9	18.9	17.9	17.7	17.7	17.7			
Turbidity (NTU)	23.4	20.1	182	111	11.9	11.5	11.2			
Dissolved Oxygen (mg/L)	5.32	5.74	5.65	5.04	4.55	4.57	4.64			

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4 / 6 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	55

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0515	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - 12W)	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	4	in
Screened Interval	30.1-50.1	ft
Total Well Depth (nearest 0.1')	50.0	ft
Depth to Groundwater (nearest 0.01')	39.54	ft
Length of Water Column	10.46	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)	no purge	gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

50.0

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Volume (gal)	Initial	Sample									
Time (military)	1117										
pH (su)	9.82										
Spec Conductivity (mS/cm)	0.4133										
Water Temperature (°C)	17.7										
Turbidity (NTU)	11.3										
Dissolved Oxygen (mg/L)	8.20										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	↓
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

No Purge

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4 / 6 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	55

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0913	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - RW2	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	4	in
Screened Interval	30.1 - 50.1	ft
Total Well Depth (nearest 0.1')	50.1	ft
Depth to Groundwater (nearest 0.01')	38.94	ft
Length of Water Column	11.16	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)	no purge	gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐ — 50.1

Volume (gal)	Initial	Simple									
Time (military)	1148										
pH (su)	7.33					No Purge					
Spec Conductivity (mS/cm)	0.375										
Water Temperature (°C)	17.9										
Turbidity (NTU)	17.8										
Dissolved Oxygen (mg/L)	8.85										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Strong odor

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4 / 6 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	55

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0915	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - RW3		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	4	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	30.2-50.2	ft	
Total Well Depth (nearest 0.1')	50.1	ft	
Depth to Groundwater (nearest 0.01')	38.37	ft	
Length of Water Column	~~11.73~~	ft	
1 Casing Volume (0.163)	~~7.66~~	ft	
3 Casing Volumes (0.489)	~~22.98~~	gals	
Total Volume Purged	~~2000~~	gals	
Purge Technique Utilized (bailer, pump)			50.1
Well Yield	Low ☐ Medium ☐ High ☐		

	Initial	Sample									
Volume (gal)	Initial	Sample									
Time (military)	1202										
pH (su)	6.28										
Spec Conductivity (mS/cm)	0.231										
Water Temperature (°C)	18.8										
Turbidity (NTU)	12.9										
Dissolved Oxygen (mg/L)	5.63										

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

No Purge

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4/16/2016
Field Personnel	DJ BS
General Weather	Sunny
Ambient Air Temperature	55

Quality Assurance

pH Meter	Horiba U-52-2	*Conductivity Meter*	Horiba U-52-2
Serial Number	VWKAUMKJ	*Serial Number*	VWKAUMKJ
Calibration Constant	4.00	*Calibration Constant*	4.49 mS/cm
Calibration Constant	6.86	*Calibration Constant*	53.0 mS/cm
Calibration Constant	9.18	*Calibration Constant*	58.7 mS/cm
Last Calibration (time)	CAL	*Last Verification √ (time)*	

Monitoring Well Information

Well ID	07303 - RW-1
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	4	in
Screened Interval	30 - 50	ft
Total Well Depth (nearest 0.1')	50.0	ft
Depth to Groundwater (nearest 0.01')	37.38'	ft
Length of Water Column	12.62	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)	No	gals
Total Volume Purged	Purge	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump) Solo

Well Yield *Low* ☐ *Medium* ☐ *High* ☐

Volume (gal)	Initial	Sample									
Time (military)	1111										
pH (su)	7.23										
Spec Conductivity (mS/cm)	0.222										
Water Temperature (°C)	~~0.188~~ 18.4										
Turbidity (NTU)	20.2										
Dissolved Oxygen (mg/L)	4.27										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

No Purge

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	11/5/2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	65

Monitoring Well Information

Well ID	07303 - Sw 3
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter		in
Screened Interval		ft
Total Well Depth (nearest 0.1')		ft
Depth to Groundwater (nearest 0.01')		ft
Length of Water Column		ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield *Low* ☐ *Medium* ☐ *High* ☐

Quality Assurance

pH Meter	Horiba U-52-2	*Conductivity Meter*	Horiba U-52-2
Serial Number	VWKAUMKJ	*Serial Number*	VWKAUMKJ
Calibration Constant	4.00	*Calibration Constant*	4.49 mS/cm
Calibration Constant	6.86	*Calibration Constant*	53.0 mS/cm
Calibration Constant	9.18	*Calibration Constant*	58.7 mS/cm
Last Calibration (time)	0800	*Last Verification √ (time)*	✓

Volume (gal)	Initial	Sample								
Time (military)	1152									
pH (su)	7.40									
Spec Conductivity (mS/cm)	0.104									
Water Temperature (°C)	17.0									
Turbidity (NTU)	5.1									
Dissolved Oxygen (mg/L)	4.94									

Well Condition Information

-overall condition acceptable?	
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170L
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	4 / 5 /2016
Field Personnel	DS BS
General Weather	Sunny
Ambient Air Temperature	65

Monitoring Well Information

Well ID	07303 - SW 2
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter		in
Screened Interval		ft
Total Well Depth (nearest 0.1')		ft
Depth to Groundwater (nearest 0.01')		ft
Length of Water Column		ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield *Low* ☐ *Medium* ☐ *High* ☐

Quality Assurance

pH Meter	Horiba U-52-2	*Conductivity Meter*	Horiba U-52-2
Serial Number	VWKAUMKJ	*Serial Number*	VWKAUMKJ
Calibration Constant	4.00	*Calibration Constant*	4.49 mS/cm
Calibration Constant	6.86	*Calibration Constant*	53.0 mS/cm
Calibration Constant	9.18	*Calibration Constant*	58.7 mS/cm
Last Calibration (time)	0800	*Last Verification √ (time)*	✓

Volume (gal)	5.5±1	Sample									
Time (military)	1157	✓									
pH (su)	7.38										
Spec Conductivity (mS/cm)	0.104										
Water Temperature (°C)	17.1										
Turbidity (NTU)	18.41										
Dissolved Oxygen (mg/L)	5.01										

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

TERRY Environmental Services
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1-800-325-0605

HORIBA U-52-2 DAILY CALIBRATION DATA SHEET

Serial Number: VWKAUMKJ **Date/Time:** 4/4/16/13:15 **Inspector:** DS

Solution Manufacturer: Aurical **Lot Number:** 10906 **Expiration Date:** 10/23/16

Solution Value	***Instrument Reading***	***Accuracy***
pH: 4.00	4.01	± 0.01
Conductivity: 4.49 mS/cm	4.50 mS/cm	± 0.01 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	***Instrument Reading***	***Accuracy***
NIST-Traceable Thermometer:	19.3 °C	19.3 °C	± 0.0 °C

QAPP Acceptance Criteria

Field Parameter	***Accuracy***
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

TERRY Environmental Services
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Summerville, SC 29484
1-800-325-0605

HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number: VWKAUMKJ **Date/Time:** 11/1/16/ 1730 **Inspector:** DS

Solution Manufacturer: Aurical **Lot Number:** 10906 **Expiration Date:** 10/23/16

Solution Value	***Instrument Reading***	***Accuracy***
pH: 4.00	4.01	± 0.01
Conductivity: 4.49 mS/cm	4.49 mS/cm	± 0.0 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	***Instrument Reading***	***Accuracy***
NIST-Traceable Thermometer:	21.2 °C	21.3 °C	± 0.1 °C

QAPP Acceptance Criteria

Field Parameter	***Accuracy***
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

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HORIBA U-52-2 DAILY CALIBRATION DATA SHEET

Serial Number: VWKAUMKJ **Date/Time:** 4/5/16 0700 **Inspector:** DS

Solution Manufacturer: Aurical **Lot Number:** 16906 **Expiration Date:** 10/23/16

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	4.00	± 0.0
Conductivity: 4.49 mS/cm	4.49 mS/cm	± 0.0 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	17.8 °C	17.7 °C	± 0.1 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

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HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number: VWKAUMKJ **Date/Time:** 4/5/16/1200 **Inspector:** DS

Solution Manufacturer: Aurical **Lot Number:** 10906 **Expiration Date:** 10/23/16

Solution Value	***Instrument Reading***	***Accuracy***
pH: 4.00	4.00	± 0.0
Conductivity: 4.49 mS/cm	4.49 mS/cm	± 0.0 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	***Instrument Reading***	***Accuracy***
NIST-Traceable Thermometer:	20.4 °C	20.3 °C	± 0.1 °C

QAPP Acceptance Criteria

Field Parameter	***Accuracy***
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

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HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number: VWKAUMKJ **Date/Time:** 4/15/16/1600 **Inspector:** DS

Solution Manufacturer: Aurical **Lot Number:** 10906 **Expiration Date:** 10/23/16

Solution Value	***Instrument Reading***	***Accuracy***
pH: 4.00	4.00	± 0.0
Conductivity: 4.49 mS/cm	4.50 mS/cm	± 0.1 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	***Instrument Reading***	***Accuracy***
NIST-Traceable Thermometer:	20.4 °C	20.5 °C	± 0.1 °C

QAPP Acceptance Criteria

Field Parameter	***Accuracy***
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

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HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number: VWKAUMKJ **Date/Time:** 1735/11/5/16 **Inspector:** JS

Solution Manufacturer: Aurical **Lot Number:** 10906 **Expiration Date:** 10/23/16

Solution Value	***Instrument Reading***	***Accuracy***
pH: 4.00	4.00	± 0.0
Conductivity: 4.49 mS/cm	4.49 mS/cm	± 0.0 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	***Instrument Reading***	***Accuracy***
NIST-Traceable Thermometer:	20.2 °C	20.2 °C	± 0.0 °C

QAPP Acceptance Criteria

Field Parameter	***Accuracy***
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

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HORIBA U-52-2 DAILY CALIBRATION DATA SHEET

Serial Number: VWKAUMKJ **Date/Time:** 4/6/16/0910 **Inspector:** DS

Solution Manufacturer: Aurical **Lot Number:** 10906 **Expiration Date:** 10/23/16

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	4.01	± 0.01
Conductivity: 4.49 mS/cm	4.50 mS/cm	± 0.01 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	18.9 °C	18.9 °C	± 0.0 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

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HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number: VWKAUMKJ **Date/Time:** 4/6/16 / 1315 **Inspector:** DS

Solution Manufacturer: Aurical **Lot Number:** 0906 **Expiration Date:** 10/23/16

Solution Value	***Instrument Reading***	***Accuracy***
pH: 4.00	4.00	± 0.00
Conductivity: 4.49 mS/cm	4.50 mS/cm	± 0.01 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	***Instrument Reading***	***Accuracy***
NIST-Traceable Thermometer:	18.9 °C	18.8 °C	± 0.1 °C

QAPP Acceptance Criteria

Field Parameter	***Accuracy***
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

TERRY Environmental Services
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HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number: VWKAUMKJ **Date/Time:** 4/6/16/1458 **Inspector:** DS

Solution Manufacturer: Aurical **Lot Number:** 10906 **Expiration Date:** 10/?

Solution Value	***Instrument Reading***	***Accuracy***
pH: 4.00	3.59	± .01
Conductivity: 4.49 mS/cm	4.414 mS/cm	± 0.00 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	***Instrument Reading***	***Accuracy***
NIST-Traceable Thermometer:	18.4 °C	18.5 °C	± 0.1 °C

QAPP Acceptance Criteria

Field Parameter	***Accuracy***
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

Terry Environmental Services, Inc.
1753 North Main Street
Summerville, SC 29486
Attention: Kelly Cone

Project Name: **Li'l Cricket #339**

Project Number: **2170L**

Lot Number: **RD08011**

Date Completed: **04/14/2016**

Kelly M. Nance
Project Manager

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The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
Terry Environmental Services, Inc.
Lot Number: RD08011

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Receiving
Sample -033 for volatiles analysis contained vials with air bubbles greater than ¼" or 6mm in diameter. The laboratory uses these vials for screening and the vials without bubbles for analysis whenever possible. Condition of samples is documented on the Sample Receipt Checklist (SRC).

GC/MS Volatiles
The MS/MSD associated with samples -020, -004 and -048 had compounds recovered outside of the acceptance limits. The LCS were recovered within the required acceptance limits; therefore, this demonstrates a matrix effect and data quality is not impacted.

Batch 10624 did not include a MS/MSD due to instrument error.

Sample Summary
Terry Environmental Services, Inc.
Lot Number: RD08011

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	07303 MW-3	Aqueous	04/05/2016 1610	04/07/2016
002	07303 MW-5R	Aqueous	04/05/2016 1502	04/07/2016
003	07303 MW-9	Aqueous	04/06/2016 1300	04/07/2016
004	07303 MW-10	Aqueous	04/06/2016 1131	04/07/2016
005	07303 MW-11	Aqueous	04/05/2016 1336	04/07/2016
006	07303 MW-12	Aqueous	04/05/2016 1312	04/07/2016
007	07303 MW-13	Aqueous	04/05/2016 1307	04/07/2016
008	07303 MW-14	Aqueous	04/05/2016 1259	04/07/2016
009	07303 MW-15	Aqueous	04/05/2016 1722	04/07/2016
010	07303 MW-16	Aqueous	04/05/2016 1559	04/07/2016
011	07303 MW-17	Aqueous	04/05/2016 1522	04/07/2016
012	07303 MW-18	Aqueous	04/05/2016 1541	04/07/2016
013	07303 MW-20	Aqueous	04/06/2016 1155	04/07/2016
014	07303 MW-21	Aqueous	04/05/2016 1245	04/07/2016
015	07303 MW-22	Aqueous	04/05/2016 0859	04/07/2016
016	07303 MW-23	Aqueous	04/05/2016 0919	04/07/2016
017	07303 MW-24	Aqueous	04/06/2016 0920	04/07/2016
018	07303 MW-25	Aqueous	04/05/2016 1208	04/07/2016
019	07303 MW-26	Aqueous	04/06/2016 0954	04/07/2016
020	07303 MW-27	Aqueous	04/06/2016 0929	04/07/2016
021	07303 MW-28	Aqueous	04/05/2016 0925	04/07/2016
022	07303 MW-29	Aqueous	04/05/2016 1347	04/07/2016
023	07303 MW-30	Aqueous	04/05/2016 1403	04/07/2016
024	07303 MW-31	Aqueous	04/04/2016 1657	04/07/2016
025	07303 MW-32	Aqueous	04/04/2016 1704	04/07/2016
026	07303 MW-33	Aqueous	04/04/2016 1710	04/07/2016
027	07303 MW-34	Aqueous	04/04/2016 1649	04/07/2016
028	07303 MW-35	Aqueous	04/04/2016 1645	04/07/2016
029	07303 MW-36	Aqueous	04/04/2016 1641	04/07/2016
030	07303 MW-37	Aqueous	04/04/2016 1538	04/07/2016
031	07303 MW-38	Aqueous	04/04/2016 1634	04/07/2016
032	07303 MW-39	Aqueous	04/05/2016 1055	04/07/2016
033	07303 MW-40	Aqueous	04/05/2016 0828	04/07/2016
034	07303 MW-41	Aqueous	04/05/2016 1106	04/07/2016
035	07303 MW-42	Aqueous	04/05/2016 0820	04/07/2016
036	07303 MW-46	Aqueous	04/06/2016 1350	04/07/2016
037	07303 MW-47	Aqueous	04/06/2016 1436	04/07/2016
038	07303 MW-48	Aqueous	04/06/2016 1420	04/07/2016
039	07303 DW-1	Aqueous	04/05/2016 1718	04/07/2016
040	07303 DW-2	Aqueous	04/06/2016 1104	04/07/2016
041	07303 DW-3	Aqueous	04/06/2016 1239	04/07/2016
042	07303 DW-5	Aqueous	04/05/2016 0853	04/07/2016
043	07303 DW-6	Aqueous	04/05/2016 1647	04/07/2016
044	07303 DW-7	Aqueous	04/06/2016 1035	04/07/2016
045	07303 DW-9	Aqueous	04/04/2016 1620	04/07/2016

Sample Summary (Continued)

Lot Number: RD08011

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
046	07303 DW-10	Aqueous	04/04/2016 1530	04/07/2016
047	07303 DW-11	Aqueous	04/05/2016 1141	04/07/2016
048	07303 RW-1	Aqueous	04/06/2016 1117	04/07/2016
049	07303 RW-2	Aqueous	04/06/2016 1148	04/07/2016
050	07303 RW-3	Aqueous	04/06/2016 1202	04/07/2016
051	07303 RW-4	Aqueous	04/06/2016 1111	04/07/2016
052	07303 SW-1	Aqueous	04/05/2016 1152	04/07/2016
053	07303 SW-2	Aqueous	04/05/2016 1157	04/07/2016
054	07303 FB-1	Aqueous	04/04/2016 1350	04/07/2016
055	07303 FB-2	Aqueous	04/05/2016 0810	04/07/2016
056	07303 FB-3	Aqueous	04/06/2016 0915	04/07/2016
057	07303 MW-15 Dup	Aqueous	04/05/2016 1724	04/07/2016
058	07303 MW-20 Dup	Aqueous	04/06/2016 1157	04/07/2016
059	07303 MW-41 Dup	Aqueous	04/05/2016 1108	04/07/2016
060	TB-1	Aqueous	04/04/2016	04/07/2016

(60 samples)

Executive Summary
Terry Environmental Services, Inc.
Lot Number: RD08011

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
003	07303 MW-9	Aqueous	tert-Amyl alcohol (TAA)	8260B	73	J	ug/L	11
003	07303 MW-9	Aqueous	tert-Amyl methyl ether	8260B	5.7	J	ug/L	11
003	07303 MW-9	Aqueous	Benzene	8260B	100		ug/L	11
003	07303 MW-9	Aqueous	Diisopropyl ether (IPE)	8260B	5.2		ug/L	11
003	07303 MW-9	Aqueous	Ethylbenzene	8260B	220		ug/L	11
003	07303 MW-9	Aqueous	Methyl tertiary butyl ether	8260B	140		ug/L	11
003	07303 MW-9	Aqueous	Naphthalene	8260B	58		ug/L	11
003	07303 MW-9	Aqueous	tert-butyl alcohol (TBA)	8260B	110		ug/L	11
003	07303 MW-9	Aqueous	Toluene	8260B	21		ug/L	11
003	07303 MW-9	Aqueous	Xylenes (total)	8260B	500		ug/L	11
004	07303 MW-10	Aqueous	tert-Amyl alcohol (TAA)	8260B	2600		ug/L	12
004	07303 MW-10	Aqueous	tert-Amyl methyl ether	8260B	200	J	ug/L	12
004	07303 MW-10	Aqueous	Benzene	8260B	320		ug/L	12
004	07303 MW-10	Aqueous	Diisopropyl ether (IPE)	8260B	74		ug/L	12
004	07303 MW-10	Aqueous	Ethylbenzene	8260B	1500		ug/L	12
004	07303 MW-10	Aqueous	Methyl tertiary butyl ether	8260B	1600		ug/L	12
004	07303 MW-10	Aqueous	Naphthalene	8260B	1000		ug/L	12
004	07303 MW-10	Aqueous	tert-butyl alcohol (TBA)	8260B	7400		ug/L	12
004	07303 MW-10	Aqueous	Toluene	8260B	1600		ug/L	12
004	07303 MW-10	Aqueous	Xylenes (total)	8260B	9100		ug/L	12
005	07303 MW-11	Aqueous	Methyl tertiary butyl ether	8260B	1.4		ug/L	13
006	07303 MW-12	Aqueous	Methyl tertiary butyl ether	8260B	20		ug/L	14
007	07303 MW-13	Aqueous	Methyl tertiary butyl ether	8260B	6.2		ug/L	15
008	07303 MW-14	Aqueous	Methyl tertiary butyl ether	8260B	0.49	J	ug/L	16
009	07303 MW-15	Aqueous	tert-Amyl alcohol (TAA)	8260B	130		ug/L	17
009	07303 MW-15	Aqueous	tert-Amyl methyl ether	8260B	3.7	J	ug/L	17
009	07303 MW-15	Aqueous	Benzene	8260B	71		ug/L	17
009	07303 MW-15	Aqueous	1,2-Dichloroethane	8260B	1.7		ug/L	17
009	07303 MW-15	Aqueous	Ethylbenzene	8260B	9.1		ug/L	17
009	07303 MW-15	Aqueous	Methyl tertiary butyl ether	8260B	34		ug/L	17
009	07303 MW-15	Aqueous	Naphthalene	8260B	150		ug/L	17
009	07303 MW-15	Aqueous	tert-butyl alcohol (TBA)	8260B	380		ug/L	17
009	07303 MW-15	Aqueous	Toluene	8260B	6.4		ug/L	17
009	07303 MW-15	Aqueous	Xylenes (total)	8260B	470		ug/L	17
010	07303 MW-16	Aqueous	Methyl tertiary butyl ether	8260B	2.0		ug/L	18
010	07303 MW-16	Aqueous	Naphthalene	8260B	0.55	J	ug/L	18
010	07303 MW-16	Aqueous	tert-butyl alcohol (TBA)	8260B	2.6	J	ug/L	18
012	07303 MW-18	Aqueous	tert-Amyl alcohol (TAA)	8260B	11	J	ug/L	20
012	07303 MW-18	Aqueous	tert-Amyl methyl ether	8260B	2.8	J	ug/L	20
012	07303 MW-18	Aqueous	Benzene	8260B	5.2		ug/L	20
012	07303 MW-18	Aqueous	Diisopropyl ether (IPE)	8260B	2.2		ug/L	20
012	07303 MW-18	Aqueous	Ethylbenzene	8260B	6.5		ug/L	20
012	07303 MW-18	Aqueous	Methyl tertiary butyl ether	8260B	59		ug/L	20
012	07303 MW-18	Aqueous	Naphthalene	8260B	9.6		ug/L	20
012	07303 MW-18	Aqueous	tert-butyl alcohol (TBA)	8260B	160		ug/L	20

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
012	07303 MW-18	Aqueous	Toluene	8260B	0.59	J	ug/L	20
012	07303 MW-18	Aqueous	Xylenes (total)	8260B	2.7		ug/L	20
013	07303 MW-20	Aqueous	tert-Amyl alcohol (TAA)	8260B	4600		ug/L	21
013	07303 MW-20	Aqueous	tert-Amyl methyl ether	8260B	55	J	ug/L	21
013	07303 MW-20	Aqueous	Benzene	8260B	87		ug/L	21
013	07303 MW-20	Aqueous	Diisopropyl ether (IPE)	8260B	16	J	ug/L	21
013	07303 MW-20	Aqueous	Ethylbenzene	8260B	16	J	ug/L	21
013	07303 MW-20	Aqueous	Methyl tertiary butyl ether	8260B	540		ug/L	21
013	07303 MW-20	Aqueous	Naphthalene	8260B	34		ug/L	21
013	07303 MW-20	Aqueous	tert-butyl alcohol (TBA)	8260B	14000		ug/L	21
013	07303 MW-20	Aqueous	Toluene	8260B	100		ug/L	21
013	07303 MW-20	Aqueous	Xylenes (total)	8260B	620		ug/L	21
020	07303 MW-27	Aqueous	tert-Amyl alcohol (TAA)	8260B	260		ug/L	28
020	07303 MW-27	Aqueous	tert-Amyl methyl ether	8260B	14	J	ug/L	28
020	07303 MW-27	Aqueous	Benzene	8260B	230		ug/L	28
020	07303 MW-27	Aqueous	Diisopropyl ether (IPE)	8260B	10		ug/L	28
020	07303 MW-27	Aqueous	Ethylbenzene	8260B	1100		ug/L	28
020	07303 MW-27	Aqueous	Methyl tertiary butyl ether	8260B	150		ug/L	28
020	07303 MW-27	Aqueous	Naphthalene	8260B	350		ug/L	28
020	07303 MW-27	Aqueous	tert-butyl alcohol (TBA)	8260B	560		ug/L	28
020	07303 MW-27	Aqueous	Toluene	8260B	71		ug/L	28
020	07303 MW-27	Aqueous	Xylenes (total)	8260B	1600		ug/L	28
022	07303 MW-29	Aqueous	Ethylbenzene	8260B	0.81	J	ug/L	30
022	07303 MW-29	Aqueous	Methyl tertiary butyl ether	8260B	0.67	J	ug/L	30
022	07303 MW-29	Aqueous	Naphthalene	8260B	0.33	J	ug/L	30
022	07303 MW-29	Aqueous	Xylenes (total)	8260B	2.1		ug/L	30
023	07303 MW-30	Aqueous	Benzene	8260B	0.21	J	ug/L	31
039	07303 DW-1	Aqueous	tert-Amyl alcohol (TAA)	8260B	30		ug/L	47
039	07303 DW-1	Aqueous	tert-Amyl methyl ether	8260B	3.5	J	ug/L	47
039	07303 DW-1	Aqueous	Benzene	8260B	1.6		ug/L	47
039	07303 DW-1	Aqueous	Diisopropyl ether (IPE)	8260B	3.6		ug/L	47
039	07303 DW-1	Aqueous	Methyl tertiary butyl ether	8260B	79		ug/L	47
039	07303 DW-1	Aqueous	tert-butyl alcohol (TBA)	8260B	49		ug/L	47
040	07303 DW-2	Aqueous	Methyl tertiary butyl ether	8260B	4.6		ug/L	48
041	07303 DW-3	Aqueous	tert-Amyl alcohol (TAA)	8260B	4.4	J	ug/L	49
041	07303 DW-3	Aqueous	tert-Amyl methyl ether	8260B	0.60	J	ug/L	49
041	07303 DW-3	Aqueous	Benzene	8260B	1.1		ug/L	49
041	07303 DW-3	Aqueous	Methyl tertiary butyl ether	8260B	17		ug/L	49
041	07303 DW-3	Aqueous	tert-butyl alcohol (TBA)	8260B	8.8	J	ug/L	49
042	07303 DW-5	Aqueous	Benzene	8260B	0.58	J	ug/L	50
042	07303 DW-5	Aqueous	Toluene	8260B	0.38	J	ug/L	50
044	07303 DW-7	Aqueous	Benzene	8260B	1.1		ug/L	52
044	07303 DW-7	Aqueous	Methyl tertiary butyl ether	8260B	3.9		ug/L	52
047	07303 DW-11	Aqueous	tert-Amyl alcohol (TAA)	8260B	340		ug/L	55
047	07303 DW-11	Aqueous	tert-Amyl methyl ether	8260B	10	J	ug/L	55
047	07303 DW-11	Aqueous	Benzene	8260B	44		ug/L	55
047	07303 DW-11	Aqueous	Diisopropyl ether (IPE)	8260B	8.9		ug/L	55
047	07303 DW-11	Aqueous	Ethylbenzene	8260B	2.1	J	ug/L	55

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
047	07303 DW-11	Aqueous	Methyl tertiary butyl ether	8260B	230		ug/L	55
047	07303 DW-11	Aqueous	Naphthalene	8260B	2.3	J	ug/L	55
047	07303 DW-11	Aqueous	tert-butyl alcohol (TBA)	8260B	820		ug/L	55
048	07303 RW-1	Aqueous	tert-Amyl methyl ether	8260B	200	J	ug/L	56
048	07303 RW-1	Aqueous	Benzene	8260B	1100		ug/L	56
048	07303 RW-1	Aqueous	Diisopropyl ether (IPE)	8260B	71	J	ug/L	56
048	07303 RW-1	Aqueous	Ethylbenzene	8260B	1700		ug/L	56
048	07303 RW-1	Aqueous	Methyl tertiary butyl ether	8260B	1900		ug/L	56
048	07303 RW-1	Aqueous	Naphthalene	8260B	1100		ug/L	56
048	07303 RW-1	Aqueous	Toluene	8260B	8700		ug/L	56
048	07303 RW-1	Aqueous	Xylenes (total)	8260B	14000		ug/L	56
049	07303 RW-2	Aqueous	tert-Amyl alcohol (TAA)	8260B	5200		ug/L	57
049	07303 RW-2	Aqueous	tert-Amyl methyl ether	8260B	130	J	ug/L	57
049	07303 RW-2	Aqueous	Benzene	8260B	1300		ug/L	57
049	07303 RW-2	Aqueous	Ethylbenzene	8260B	2400		ug/L	57
049	07303 RW-2	Aqueous	Methyl tertiary butyl ether	8260B	1300		ug/L	57
049	07303 RW-2	Aqueous	Naphthalene	8260B	780		ug/L	57
049	07303 RW-2	Aqueous	tert-butyl alcohol (TBA)	8260B	13000		ug/L	57
049	07303 RW-2	Aqueous	Toluene	8260B	12000		ug/L	57
049	07303 RW-2	Aqueous	Xylenes (total)	8260B	15000		ug/L	57
050	07303 RW-3	Aqueous	tert-Amyl alcohol (TAA)	8260B	11000		ug/L	58
050	07303 RW-3	Aqueous	tert-Amyl methyl ether	8260B	440	J	ug/L	58
050	07303 RW-3	Aqueous	Benzene	8260B	540		ug/L	58
050	07303 RW-3	Aqueous	Diisopropyl ether (IPE)	8260B	110		ug/L	58
050	07303 RW-3	Aqueous	Ethylbenzene	8260B	680		ug/L	58
050	07303 RW-3	Aqueous	Methyl tertiary butyl ether	8260B	4500		ug/L	58
050	07303 RW-3	Aqueous	Naphthalene	8260B	680		ug/L	58
050	07303 RW-3	Aqueous	tert-butyl alcohol (TBA)	8260B	48000		ug/L	58
050	07303 RW-3	Aqueous	Toluene	8260B	3900		ug/L	58
050	07303 RW-3	Aqueous	Xylenes (total)	8260B	7400		ug/L	58
051	07303 RW-4	Aqueous	tert-Amyl alcohol (TAA)	8260B	20		ug/L	59
051	07303 RW-4	Aqueous	tert-Amyl methyl ether	8260B	2.2	J	ug/L	59
051	07303 RW-4	Aqueous	Benzene	8260B	4.4		ug/L	59
051	07303 RW-4	Aqueous	Diisopropyl ether (IPE)	8260B	3.4		ug/L	59
051	07303 RW-4	Aqueous	Ethylbenzene	8260B	0.54	J	ug/L	59
051	07303 RW-4	Aqueous	Methyl tertiary butyl ether	8260B	38		ug/L	59
051	07303 RW-4	Aqueous	tert-butyl alcohol (TBA)	8260B	35		ug/L	59
051	07303 RW-4	Aqueous	Toluene	8260B	0.59	J	ug/L	59
051	07303 RW-4	Aqueous	Xylenes (total)	8260B	0.96	J	ug/L	59
052	07303 SW-1	Aqueous	tert-Amyl alcohol (TAA)	8260B	3.5	J	ug/L	60
052	07303 SW-1	Aqueous	Methyl tertiary butyl ether	8260B	5.4		ug/L	60
053	07303 SW-2	Aqueous	tert-Amyl alcohol (TAA)	8260B	3.2	J	ug/L	61
053	07303 SW-2	Aqueous	Methyl tertiary butyl ether	8260B	5.2		ug/L	61
057	07303 MW-15 Dup	Aqueous	tert-Amyl alcohol (TAA)	8260B	130		ug/L	65
057	07303 MW-15 Dup	Aqueous	tert-Amyl methyl ether	8260B	3.6	J	ug/L	65
057	07303 MW-15 Dup	Aqueous	Benzene	8260B	71		ug/L	65
057	07303 MW-15 Dup	Aqueous	Diisopropyl ether (IPE)	8260B	2.1		ug/L	65
057	07303 MW-15 Dup	Aqueous	Ethylbenzene	8260B	9.0		ug/L	65

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
057	07303 MW-15 Dup	Aqueous	Methyl tertiary butyl ether	8260B	34		ug/L	65
057	07303 MW-15 Dup	Aqueous	Naphthalene	8260B	140		ug/L	65
057	07303 MW-15 Dup	Aqueous	tert-butyl alcohol (TBA)	8260B	370		ug/L	65
057	07303 MW-15 Dup	Aqueous	Toluene	8260B	6.4		ug/L	65
057	07303 MW-15 Dup	Aqueous	Xylenes (total)	8260B	450		ug/L	65
058	07303 MW-20 Dup	Aqueous	tert-Amyl alcohol (TAA)	8260B	4900		ug/L	66
058	07303 MW-20 Dup	Aqueous	tert-Amyl methyl ether	8260B	57	J	ug/L	66
058	07303 MW-20 Dup	Aqueous	Benzene	8260B	90		ug/L	66
058	07303 MW-20 Dup	Aqueous	Ethylbenzene	8260B	14	J	ug/L	66
058	07303 MW-20 Dup	Aqueous	Methyl tertiary butyl ether	8260B	560		ug/L	66
058	07303 MW-20 Dup	Aqueous	Naphthalene	8260B	33		ug/L	66
058	07303 MW-20 Dup	Aqueous	tert-butyl alcohol (TBA)	8260B	14000		ug/L	66
058	07303 MW-20 Dup	Aqueous	Toluene	8260B	93		ug/L	66
058	07303 MW-20 Dup	Aqueous	Xylenes (total)	8260B	640		ug/L	66

(155 detections)

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-001**

Description: **07303 MW-3** Matrix: **Aqueous**

Date Sampled: **04/05/2016 1610**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/09/2016 1450	RAG		10511

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		115	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		113	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-002**

Description: **07303 MW-5R** Matrix: **Aqueous**

Date Sampled: **04/05/2016 1502**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/09/2016 1512	RAG		10511

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		110	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-003**
Description: **07303 MW-9**
Matrix: **Aqueous**
Date Sampled: **04/06/2016 1300**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	04/11/2016 1703	JM1		10561

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**73**	**J**	**100**	**7.3**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**5.7**	**J**	**50**	**1.3**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**100**		**5.0**	**1.1**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		25	3.3	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	1.2	ug/L	1
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**5.2**		**5.0**	**1.3**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	7.5	ug/L	1
Ethanol	64-17-5	8260B	ND		500	96	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**220**		**5.0**	**1.1**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		5.0	0.65	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**140**		**5.0**	**1.2**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**58**		**5.0**	**0.70**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**110**		**100**	**11**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**21**		**5.0**	**1.2**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**500**		**5.0**	**1.6**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		115	70-130
Toluene-d8		119	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-004**

Description: **07303 MW-10** Matrix: **Aqueous**

Date Sampled: **04/06/2016 1131**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	04/11/2016 1727	JM1		10561

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**2600**		**1000**	**73**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**200**	**J**	**500**	**13**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**320**		**50**	**11**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		250	33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		50	12	ug/L	1
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**74**		**50**	**13**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		1000	75	ug/L	1
Ethanol	64-17-5	8260B	ND		5000	960	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**1500**		**50**	**11**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		50	6.5	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**1600**		**50**	**12**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**1000**		**50**	**7.0**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**7400**		**1000**	**110**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**1600**		**50**	**12**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**9100**		**50**	**16**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		116	70-130
Toluene-d8		118	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-005**

Description: **07303 MW-11** Matrix: **Aqueous**

Date Sampled: **04/05/2016 1336**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1100	JM1		10561

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**1.4**		**1.0**	**0.23**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		113	70-130
Toluene-d8		119	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-006**

Description: **07303 MW-12** Matrix: **Aqueous**

Date Sampled: **04/05/2016 1312**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1124	JM1		10561

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**20**		**1.0**	**0.23**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		112	70-130
Toluene-d8		120	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-007**

Description: **07303 MW-13** Matrix: **Aqueous**

Date Sampled: **04/05/2016 1307**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1147	JM1		10561

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**6.2**		**1.0**	**0.23**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		114	70-130
Toluene-d8		118	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-008**

Description: **07303 MW-14** Matrix: **Aqueous**

Date Sampled: **04/05/2016 1259**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1211	JM1		10561

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**0.49**	**J**	**1.0**	**0.23**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		114	70-130
Toluene-d8		120	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-009**
Description: **07303 MW-15**
Matrix: **Aqueous**
Date Sampled: **04/05/2016 1722**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1236	JM1		10561
2	5030B	8260B	5	04/12/2016 0334	ECP		10624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**130**		**20**	**1.5**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**3.7**	**J**	**10**	**0.25**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**71**		**1.0**	**0.21**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	**107-06-2**	**8260B**	**1.7**		**1.0**	**0.23**	**ug/L**	**1**
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**9.1**		**1.0**	**0.21**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**34**		**1.0**	**0.23**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**150**		**1.0**	**0.14**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**380**		**20**	**2.3**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**6.4**		**1.0**	**0.24**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**470**		**5.0**	**1.6**	**ug/L**	**2**

Surrogate	Q	Run 1 % Recovery	Run 1 Acceptance Limits	Q	Run 2 % Recovery	Run 2 Acceptance Limits
1,2-Dichloroethane-d4		105	70-130		111	70-130
Bromofluorobenzene		118	70-130		110	70-130
Toluene-d8		123	70-130		112	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-010**
Description: **07303 MW-16**
Matrix: **Aqueous**
Date Sampled: **04/05/2016 1559**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1300	JM1		10561

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**2.0**		**1.0**	**0.23**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**0.55**	**J**	**1.0**	**0.14**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**2.6**	**J**	**20**	**2.3**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		115	70-130
Toluene-d8		120	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-011**
Description: **07303 MW-17**
Matrix: **Aqueous**
Date Sampled: **04/05/2016 1522**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1324	JM1		10561

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		114	70-130
Toluene-d8		118	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-012**
Description: **07303 MW-18**
Matrix: **Aqueous**
Date Sampled: **04/05/2016 1541**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1349	JM1		10561

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**11**	**J**	**20**	**1.5**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**2.8**	**J**	**10**	**0.25**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**5.2**		**1.0**	**0.21**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**2.2**		**1.0**	**0.26**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**6.5**		**1.0**	**0.21**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**59**		**1.0**	**0.23**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**9.6**		**1.0**	**0.14**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**160**		**20**	**2.3**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**0.59**	**J**	**1.0**	**0.24**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**2.7**		**1.0**	**0.32**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		116	70-130
Toluene-d8		117	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-013**

Description: **07303 MW-20** Matrix: **Aqueous**

Date Sampled: **04/06/2016 1155**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	04/11/2016 1752	JM1		10561

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**4600**		**400**	**29**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**55**	**J**	**200**	**5.0**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**87**		**20**	**4.2**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		20	4.6	ug/L	1
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**16**	**J**	**20**	**5.2**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		400	30	ug/L	1
Ethanol	64-17-5	8260B	ND		2000	390	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**16**	**J**	**20**	**4.2**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		20	2.6	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**540**		**20**	**4.6**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**34**		**20**	**2.8**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**14000**		**400**	**46**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**100**		**20**	**4.8**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**620**		**20**	**6.4**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		116	70-130
Toluene-d8		119	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-014**

Description: **07303 MW-21** Matrix: **Aqueous**

Date Sampled: **04/05/2016 1245**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1413	JM1		10561

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		112	70-130
Toluene-d8		118	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-015**

Description: **07303 MW-22** Matrix: **Aqueous**

Date Sampled: **04/05/2016 0859**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1437	JM1		10561

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		112	70-130
Toluene-d8		117	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-016**

Description: **07303 MW-23** Matrix: **Aqueous**

Date Sampled: **04/05/2016 0919**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1502	JM1		10561

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	70-130
Bromofluorobenzene		115	70-130
Toluene-d8		120	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-017**

Description: **07303 MW-24** Matrix: **Aqueous**

Date Sampled: **04/06/2016 0920**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1526	JM1		10561

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	70-130
Bromofluorobenzene		114	70-130
Toluene-d8		120	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-018**

Description: **07303 MW-25** Matrix: **Aqueous**

Date Sampled: **04/05/2016 1208**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1550	JM1		10561

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		113	70-130
Toluene-d8		120	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-019**
Description: **07303 MW-26**
Matrix: **Aqueous**
Date Sampled: **04/06/2016 0954**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1615	JM1		10561

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	70-130
Bromofluorobenzene		115	70-130
Toluene-d8		121	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-020**
Description: **07303 MW-27**
Matrix: **Aqueous**
Date Sampled: **04/06/2016 0929**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	04/11/2016 1724	JM1		10560
2	5030B	8260B	20	04/13/2016 0534	ECP		10722

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**260**		**100**	**7.3**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**14**	**J**	**50**	**1.3**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**230**		**5.0**	**1.1**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		25	3.3	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	1.2	ug/L	1
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**10**		**5.0**	**1.3**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	7.5	ug/L	1
Ethanol	64-17-5	8260B	ND		500	96	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**1100**		**20**	**4.2**	**ug/L**	**2**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		5.0	0.65	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**150**		**5.0**	**1.2**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**350**		**5.0**	**0.70**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**560**		**100**	**11**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**71**		**5.0**	**1.2**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**1600**		**20**	**6.4**	**ug/L**	**2**

Surrogate	Q	Run 1 % Recovery	Run 1 Acceptance Limits	Q	Run 2 % Recovery	Run 2 Acceptance Limits
1,2-Dichloroethane-d4		112	70-130		111	70-130
Bromofluorobenzene		111	70-130		110	70-130
Toluene-d8		115	70-130		110	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-021**

Description: **07303 MW-28** Matrix: **Aqueous**

Date Sampled: **04/05/2016 0925**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1024	JM1		10560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		113	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-022**

Description: **07303 MW-29** Matrix: **Aqueous**

Date Sampled: **04/05/2016 1347**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1046	JM1		10560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**0.81**	**J**	**1.0**	**0.21**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**0.67**	**J**	**1.0**	**0.23**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**0.33**	**J**	**1.0**	**0.14**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	**1330-20-7**	**8260B**	**2.1**		**1.0**	**0.32**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-023**

Description: **07303 MW-30** Matrix: **Aqueous**

Date Sampled: **04/05/2016 1403**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/09/2016 1534	RAG		10511

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.21**	**J**	**1.0**	**0.21**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		117	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		113	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-024**

Description: **07303 MW-31** Matrix: **Aqueous**

Date Sampled: **04/04/2016 1657**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/09/2016 1557	RAG		10511

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		115	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		112	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-025**
Description: **07303 MW-32**
Matrix: **Aqueous**
Date Sampled: **04/04/2016 1704**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/09/2016 1619	RAG		10511

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		115	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-026**
Description: **07303 MW-33**
Matrix: **Aqueous**
Date Sampled: **04/04/2016 1710**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/09/2016 1641	RAG		10511

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		116	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		112	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-027**

Description: **07303 MW-34** Matrix: **Aqueous**

Date Sampled: **04/04/2016 1649**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/09/2016 1703	RAG		10511

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		115	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		112	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-028**

Description: **07303 MW-35** Matrix: **Aqueous**

Date Sampled: **04/04/2016 1645**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1108	JM1		10560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		110	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-029**
Description: **07303 MW-36**
Matrix: **Aqueous**
Date Sampled: **04/04/2016 1641**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1130	JM1		10560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		116	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-030**
Description: **07303 MW-37**
Matrix: **Aqueous**
Date Sampled: **04/04/2016 1538**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1153	JM1		10560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		116	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-031**
Description: **07303 MW-38**
Matrix: **Aqueous**
Date Sampled: **04/04/2016 1634**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1215	JM1		10560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		116	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-032**

Description: **07303 MW-39** Matrix: **Aqueous**

Date Sampled: **04/05/2016 1055**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1237	JM1		10560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		116	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-033**
Description: **07303 MW-40**
Matrix: **Aqueous**
Date Sampled: **04/05/2016 0828**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1259	JM1		10560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		112	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-034**

Description: **07303 MW-41** Matrix: **Aqueous**

Date Sampled: **04/05/2016 1106**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1321	JM1		10560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		115	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-035**

Description: **07303 MW-42** Matrix: **Aqueous**

Date Sampled: **04/05/2016 0820**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1343	JM1		10560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-036**

Description: **07303 MW-46** Matrix: **Aqueous**

Date Sampled: **04/06/2016 1350**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1404	JM1		10560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		115	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-037**
Description: **07303 MW-47**
Matrix: **Aqueous**
Date Sampled: **04/06/2016 1436**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1426	JM1		10560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		112	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-038**
Description: **07303 MW-48**
Matrix: **Aqueous**
Date Sampled: **04/06/2016 1420**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1448	JM1		10560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		110	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-039**

Description: **07303 DW-1** Matrix: **Aqueous**

Date Sampled: **04/05/2016 1718**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1511	JM1		10560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**30**		**20**	**1.5**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**3.5**	**J**	**10**	**0.25**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**1.6**		**1.0**	**0.21**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**3.6**		**1.0**	**0.26**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**79**		**1.0**	**0.23**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**49**		**20**	**2.3**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		112	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-040**

Description: **07303 DW-2** Matrix: **Aqueous**

Date Sampled: **04/06/2016 1104**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1533	JM1		10560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**4.6**		**1.0**	**0.23**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		113	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		112	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-041**

Description: **07303 DW-3** Matrix: **Aqueous**

Date Sampled: **04/06/2016 1239**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1555	JM1		10560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**4.4**	**J**	**20**	**1.5**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**0.60**	**J**	**10**	**0.25**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**1.1**		**1.0**	**0.21**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**17**		**1.0**	**0.23**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**8.8**	**J**	**20**	**2.3**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		113	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-042**

Description: **07303 DW-5** Matrix: **Aqueous**

Date Sampled: **04/05/2016 0853**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1617	JM1		10560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.58**	**J**	**1.0**	**0.21**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	**108-88-3**	**8260B**	**0.38**	**J**	**1.0**	**0.24**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-043**

Description: **07303 DW-6** Matrix: **Aqueous**

Date Sampled: **04/05/2016 1647**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1639	JM1		10560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-044**

Description: **07303 DW-7** Matrix: **Aqueous**

Date Sampled: **04/06/2016 1035**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 2330	ECP		10624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	**71-43-2**	**8260B**	**1.1**		**1.0**	**0.21**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**3.9**		**1.0**	**0.23**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		112	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		110	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-045**
Description: **07303 DW-9**
Matrix: **Aqueous**
Date Sampled: **04/04/2016 1620**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 2352	ECP		10624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		115	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		112	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-046**

Description: **07303 DW-10** Matrix: **Aqueous**

Date Sampled: **04/04/2016 1530**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/12/2016 0014	ECP		10624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		113	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		113	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-047**
Description: **07303 DW-11**
Matrix: **Aqueous**
Date Sampled: **04/05/2016 1141**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	5	04/14/2016 0408	ECP		10852

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**340**		**100**	**7.3**	**ug/L**	**2**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**10**	**J**	**50**	**1.3**	**ug/L**	**2**
Benzene	**71-43-2**	**8260B**	**44**		**5.0**	**1.1**	**ug/L**	**2**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		25	3.3	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	1.2	ug/L	2
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**8.9**		**5.0**	**1.3**	**ug/L**	**2**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	7.5	ug/L	2
Ethanol	64-17-5	8260B	ND		500	96	ug/L	2
Ethylbenzene	**100-41-4**	**8260B**	**2.1**	**J**	**5.0**	**1.1**	**ug/L**	**2**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		5.0	0.65	ug/L	2
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**230**		**5.0**	**1.2**	**ug/L**	**2**
Naphthalene	**91-20-3**	**8260B**	**2.3**	**J**	**5.0**	**0.70**	**ug/L**	**2**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**820**		**100**	**11**	**ug/L**	**2**
Toluene	108-88-3	8260B	ND		5.0	1.2	ug/L	2
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.6	ug/L	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	70-130
Bromofluorobenzene		117	70-130
Toluene-d8		121	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-048**
Description: **07303 RW-1**
Matrix: **Aqueous**
Date Sampled: **04/06/2016 1117**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	04/12/2016 1234	JM1		10668

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		2000	150	ug/L	1
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**200**	**J**	**1000**	**25**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**1100**		**100**	**21**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		500	66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		100	23	ug/L	1
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**71**	**J**	**100**	**26**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		2000	150	ug/L	1
Ethanol	64-17-5	8260B	ND		10000	1900	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**1700**		**100**	**21**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	13	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**1900**		**100**	**23**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**1100**		**100**	**14**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		2000	230	ug/L	1
Toluene	**108-88-3**	**8260B**	**8700**		**100**	**24**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**14000**		**100**	**32**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		113	70-130
Bromofluorobenzene		110	70-130
Toluene-d8		110	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-049**

Description: **07303 RW-2** Matrix: **Aqueous**

Date Sampled: **04/06/2016 1148**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	04/12/2016 1256	JM1		10668

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**5200**		**2000**	**150**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**130**	**J**	**1000**	**25**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**1300**		**100**	**21**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		500	66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		100	23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		100	26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		2000	150	ug/L	1
Ethanol	64-17-5	8260B	ND		10000	1900	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**2400**		**100**	**21**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	13	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**1300**		**100**	**23**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**780**		**100**	**14**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**13000**		**2000**	**230**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**12000**		**100**	**24**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**15000**		**100**	**32**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		112	70-130
Bromofluorobenzene		110	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-050**
Description: **07303 RW-3**
Matrix: **Aqueous**
Date Sampled: **04/06/2016 1202**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	50	04/14/2016 0432	ECP		10852

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**11000**		**1000**	**73**	**ug/L**	**2**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**440**	**J**	**500**	**13**	**ug/L**	**2**
Benzene	**71-43-2**	**8260B**	**540**		**50**	**11**	**ug/L**	**2**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		250	33	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	ND		50	12	ug/L	2
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**110**		**50**	**13**	**ug/L**	**2**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		1000	75	ug/L	2
Ethanol	64-17-5	8260B	ND		5000	960	ug/L	2
Ethylbenzene	**100-41-4**	**8260B**	**680**		**50**	**11**	**ug/L**	**2**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		50	6.5	ug/L	2
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**4500**		**50**	**12**	**ug/L**	**2**
Naphthalene	**91-20-3**	**8260B**	**680**		**50**	**7.0**	**ug/L**	**2**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**48000**		**1000**	**110**	**ug/L**	**2**
Toluene	**108-88-3**	**8260B**	**3900**		**50**	**12**	**ug/L**	**2**
Xylenes (total)	**1330-20-7**	**8260B**	**7400**		**50**	**16**	**ug/L**	**2**

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	70-130
Bromofluorobenzene		120	70-130
Toluene-d8		121	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-051**

Description: **07303 RW-4** Matrix: **Aqueous**

Date Sampled: **04/06/2016 1111**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/12/2016 0037	ECP		10624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**20**		**20**	**1.5**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**2.2**	**J**	**10**	**0.25**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**4.4**		**1.0**	**0.21**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**3.4**		**1.0**	**0.26**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**0.54**	**J**	**1.0**	**0.21**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**38**		**1.0**	**0.23**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**35**		**20**	**2.3**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**0.59**	**J**	**1.0**	**0.24**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**0.96**	**J**	**1.0**	**0.32**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		112	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-052**
Description: **07303 SW-1**
Matrix: **Aqueous**
Date Sampled: **04/05/2016 1152**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/12/2016 0059	ECP		10624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**3.5**	**J**	**20**	**1.5**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**5.4**		**1.0**	**0.23**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-053**

Description: **07303 SW-2** Matrix: **Aqueous**

Date Sampled: **04/05/2016 1157**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/12/2016 0122	ECP		10624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**3.2**	**J**	**20**	**1.5**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**5.2**		**1.0**	**0.23**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-054**
Description: **07303 FB-1**
Matrix: **Aqueous**
Date Sampled: **04/04/2016 1350**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 2224	ECP		10624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		115	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		110	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-055**

Description: **07303 FB-2** Matrix: **Aqueous**

Date Sampled: **04/05/2016 0810**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 2246	ECP		10624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		113	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-056**
Description: **07303 FB-3**
Matrix: **Aqueous**
Date Sampled: **04/06/2016 0915**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 2308	ECP		10624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-057**
Description: **07303 MW-15 Dup**
Matrix: **Aqueous**
Date Sampled: **04/05/2016 1724**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1639	JM1		10561
2	5030B	8260B	5	04/12/2016 1149	JM1		10668

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**130**		**20**	**1.5**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**3.6**	**J**	**10**	**0.25**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**71**		**1.0**	**0.21**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**2.1**		**1.0**	**0.26**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**9.0**		**1.0**	**0.21**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**34**		**1.0**	**0.23**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**140**		**1.0**	**0.14**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**370**		**20**	**2.3**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**6.4**		**1.0**	**0.24**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**450**		**5.0**	**1.6**	**ug/L**	**2**

Surrogate	Q	Run 1 % Recovery	Run 1 Acceptance Limits	Q	Run 2 % Recovery	Run 2 Acceptance Limits
1,2-Dichloroethane-d4		104	70-130		112	70-130
Bromofluorobenzene		116	70-130		111	70-130
Toluene-d8		120	70-130		114	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-058**
Description: **07303 MW-20 Dup**
Matrix: **Aqueous**
Date Sampled: **04/06/2016 1157**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	04/11/2016 1816	JM1		10561

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**4900**		**400**	**29**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**57**	**J**	**200**	**5.0**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**90**		**20**	**4.2**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		20	4.6	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		20	5.2	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		400	30	ug/L	1
Ethanol	64-17-5	8260B	ND		2000	390	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**14**	**J**	**20**	**4.2**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		20	2.6	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**560**		**20**	**4.6**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**33**		**20**	**2.8**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**14000**		**400**	**46**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**93**		**20**	**4.8**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**640**		**20**	**6.4**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		114	70-130
Toluene-d8		118	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **RD08011-059**
Description: **07303 MW-41 Dup**
Matrix: **Aqueous**
Date Sampled: **04/05/2016 1108**
Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 1702	JM1		10560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		110	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **RD08011-060**

Description: **TB-1** Matrix: **Aqueous**

Date Sampled: **04/04/2016**

Date Received: **04/07/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2016 2256	ECP		10625

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	1.5	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.25	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	0.66	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.26	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.5	ug/L	1
Ethanol	64-17-5	8260B	ND		100	19	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.13	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.23	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.14	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	2.3	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		113	70-130
Toluene-d8		118	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: RQ10511-001
Batch: 10511
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	1.5	ug/L	04/09/2016 1202
tert-Amyl methyl ether (TAME)	ND		1	10	0.25	ug/L	04/09/2016 1202
Benzene	ND		1	1.0	0.21	ug/L	04/09/2016 1202
tert-Butyl formate (TBF)	ND		1	5.0	0.66	ug/L	04/09/2016 1202
1,2-Dichloroethane	ND		1	1.0	0.23	ug/L	04/09/2016 1202
Diisopropyl ether (IPE)	ND		1	1.0	0.26	ug/L	04/09/2016 1202
3,3-Dimethyl-1-butanol	ND		1	20	1.5	ug/L	04/09/2016 1202
Ethanol	ND		1	100	19	ug/L	04/09/2016 1202
Ethylbenzene	ND		1	1.0	0.21	ug/L	04/09/2016 1202
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.13	ug/L	04/09/2016 1202
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.23	ug/L	04/09/2016 1202
Naphthalene	ND		1	1.0	0.14	ug/L	04/09/2016 1202
tert-butyl alcohol (TBA)	ND		1	20	2.3	ug/L	04/09/2016 1202
Toluene	ND		1	1.0	0.24	ug/L	04/09/2016 1202
Xylenes (total)	ND		1	1.0	0.32	ug/L	04/09/2016 1202

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		109	70-130
1,2-Dichloroethane-d4		117	70-130
Toluene-d8		114	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: RQ10511-002
Batch: 10511
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1300		1	127	70-130	04/09/2016 1105
tert-Amyl methyl ether (TAME)	50	55		1	111	70-130	04/09/2016 1105
Benzene	50	51		1	103	70-130	04/09/2016 1105
tert-Butyl formate (TBF)	250	280		1	113	70-130	04/09/2016 1105
1,2-Dichloroethane	50	54		1	108	70-130	04/09/2016 1105
Diisopropyl ether (IPE)	50	54		1	108	70-130	04/09/2016 1105
3,3-Dimethyl-1-butanol	1000	1100		1	113	70-130	04/09/2016 1105
Ethanol	5000	5900		1	117	60-140	04/09/2016 1105
Ethylbenzene	50	56		1	111	70-130	04/09/2016 1105
Ethyl-tert-butyl ether (ETBE)	50	58		1	117	70-130	04/09/2016 1105
Methyl tertiary butyl ether (MTBE)	50	54		1	107	70-130	04/09/2016 1105

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: RQ10511-002
Batch: 10511
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Naphthalene	50	61		1	123	70-130	04/09/2016 1105
tert-butyl alcohol (TBA)	1000	1300		1	127	70-130	04/09/2016 1105
Toluene	50	56		1	111	70-130	04/09/2016 1105
Xylenes (total)	100	120		1	115	70-130	04/09/2016 1105

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		111	70-130
1,2-Dichloroethane-d4		113	70-130
Toluene-d8		111	70-130

Volatile Organic Compounds by GC/MS - MB

Sample ID: RQ10560-001
Batch: 10560
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	1.5	ug/L	04/11/2016 0949
tert-Amyl methyl ether (TAME)	ND		1	10	0.25	ug/L	04/11/2016 0949
Benzene	ND		1	1.0	0.21	ug/L	04/11/2016 0949
tert-Butyl formate (TBF)	ND		1	5.0	0.66	ug/L	04/11/2016 0949
1,2-Dichloroethane	ND		1	1.0	0.23	ug/L	04/11/2016 0949
Diisopropyl ether (IPE)	ND		1	1.0	0.26	ug/L	04/11/2016 0949
3,3-Dimethyl-1-butanol	ND		1	20	1.5	ug/L	04/11/2016 0949
Ethanol	ND		1	100	19	ug/L	04/11/2016 0949
Ethylbenzene	ND		1	1.0	0.21	ug/L	04/11/2016 0949
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.13	ug/L	04/11/2016 0949
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.23	ug/L	04/11/2016 0949
Naphthalene	ND		1	1.0	0.14	ug/L	04/11/2016 0949
tert-butyl alcohol (TBA)	ND		1	20	2.3	ug/L	04/11/2016 0949
Toluene	ND		1	1.0	0.24	ug/L	04/11/2016 0949
Xylenes (total)	ND		1	1.0	0.32	ug/L	04/11/2016 0949

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		108	70-130
1,2-Dichloroethane-d4		114	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: RQ10560-002
Batch: 10560
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1300		1	130	70-130	04/11/2016 0851
tert-Amyl methyl ether (TAME)	50	58		1	116	70-130	04/11/2016 0851
Benzene	50	53		1	106	70-130	04/11/2016 0851
tert-Butyl formate (TBF)	250	300		1	121	70-130	04/11/2016 0851
1,2-Dichloroethane	50	57		1	115	70-130	04/11/2016 0851
Diisopropyl ether (IPE)	50	56		1	112	70-130	04/11/2016 0851
3,3-Dimethyl-1-butanol	1000	1100		1	114	70-130	04/11/2016 0851
Ethanol	5000	6100		1	122	60-140	04/11/2016 0851
Ethylbenzene	50	59		1	119	70-130	04/11/2016 0851
Ethyl-tert-butyl ether (ETBE)	50	60		1	121	70-130	04/11/2016 0851
Methyl tertiary butyl ether (MTBE)	50	54		1	109	70-130	04/11/2016 0851
Naphthalene	50	63		1	127	70-130	04/11/2016 0851
tert-butyl alcohol (TBA)	1000	1300		1	128	70-130	04/11/2016 0851
Toluene	50	59		1	117	70-130	04/11/2016 0851
Xylenes (total)	100	120		1	123	70-130	04/11/2016 0851

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		108	70-130
1,2-Dichloroethane-d4		112	70-130
Toluene-d8		108	70-130

Volatile Organic Compounds by GC/MS - MS

Sample ID: RD08011-020MS
Batch: 10560
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	260	5000	6300		5	120	70-130	04/11/2016 1746
tert-Amyl methyl ether (TAME)	14	250	290		5	109	70-130	04/11/2016 1746
Benzene	230	250	480		5	100	72-127	04/11/2016 1746
tert-Butyl formate (TBF)	ND	1300	280	N	5	22	70-130	04/11/2016 1746
1,2-Dichloroethane	ND	250	280		5	110	59-143	04/11/2016 1746
Diisopropyl ether (IPE)	10	250	290		5	111	70-130	04/11/2016 1746
3,3-Dimethyl-1-butanol	ND	5000	5200		5	104	70-130	04/11/2016 1746
Ethanol	ND	25000	27000		5	108	70-130	04/11/2016 1746
Ethylbenzene	1100	250	1500	E	5	83	79-132	04/11/2016 1746
Ethyl-tert-butyl ether (ETBE)	ND	250	300		5	118	70-130	04/11/2016 1746
Methyl tertiary butyl ether (MTBE)	150	250	420		5	107	60-140	04/11/2016 1746

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: RD08011-020MS
Batch: 10560
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Naphthalene	350	250	570		5	90	62-136	04/11/2016 1746
tert-butyl alcohol (TBA)	560	5000	7400	N	5	137	70-130	04/11/2016 1746
Toluene	71	250	350		5	110	75-125	04/11/2016 1746
Xylenes (total)	1600	500	2300	E	5	100	70-130	04/11/2016 1746

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		111	70-130
Bromofluorobenzene		112	70-130
Toluene-d8		112	70-130

Volatile Organic Compounds by GC/MS - MSD

Sample ID: RD08011-020MD
Batch: 10560
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	260	5000	6200		5	118	1.9	70-130	20	04/11/2016 1809
tert-Amyl methyl ether (TAME)	14	250	270		5	103	5.3	70-130	20	04/11/2016 1809
Benzene	230	250	460		5	93	4.2	72-127	20	04/11/2016 1809
tert-Butyl formate (TBF)	ND	1300	240	N	5	19	14	70-130	20	04/11/2016 1809
1,2-Dichloroethane	ND	250	270		5	106	3.8	59-143	20	04/11/2016 1809
Diisopropyl ether (IPE)	10	250	270		5	105	5.6	70-130	20	04/11/2016 1809
3,3-Dimethyl-1-butanol	ND	5000	5000		5	99	5.1	70-130	20	04/11/2016 1809
Ethanol	ND	25000	27000		5	106	2.1	70-130	20	04/11/2016 1809
Ethylbenzene	1100	250	1400	N	5	65	3.2	79-132	20	04/11/2016 1809
Ethyl-tert-butyl ether (ETBE)	ND	250	280		5	111	6.1	70-130	20	04/11/2016 1809
Methyl tertiary butyl ether (MTBE)	150	250	400		5	99	5.1	60-140	20	04/11/2016 1809
Naphthalene	350	250	560		5	83	3.4	62-136	20	04/11/2016 1809
tert-butyl alcohol (TBA)	560	5000	7300	N	5	135	1.3	70-130	20	04/11/2016 1809
Toluene	71	250	340		5	106	2.9	75-125	20	04/11/2016 1809
Xylenes (total)	1600	500	2200	E	5	83	3.7	70-130	20	04/11/2016 1809

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		109	70-130
Bromofluorobenzene		110	70-130
Toluene-d8		110	70-130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: RQ10561-001
Batch: 10561
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	1.5	ug/L	04/11/2016 0959
tert-Amyl methyl ether (TAME)	ND		1	10	0.25	ug/L	04/11/2016 0959
Benzene	ND		1	1.0	0.21	ug/L	04/11/2016 0959
tert-Butyl formate (TBF)	ND		1	5.0	0.66	ug/L	04/11/2016 0959
1,2-Dichloroethane	ND		1	1.0	0.23	ug/L	04/11/2016 0959
Diisopropyl ether (IPE)	ND		1	1.0	0.26	ug/L	04/11/2016 0959
3,3-Dimethyl-1-butanol	ND		1	20	1.5	ug/L	04/11/2016 0959
Ethanol	ND		1	100	19	ug/L	04/11/2016 0959
Ethylbenzene	ND		1	1.0	0.21	ug/L	04/11/2016 0959
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.13	ug/L	04/11/2016 0959
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.23	ug/L	04/11/2016 0959
Naphthalene	ND		1	1.0	0.14	ug/L	04/11/2016 0959
tert-butyl alcohol (TBA)	ND		1	20	2.3	ug/L	04/11/2016 0959
Toluene	ND		1	1.0	0.24	ug/L	04/11/2016 0959
Xylenes (total)	ND		1	1.0	0.32	ug/L	04/11/2016 0959

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		115	70-130
1,2-Dichloroethane-d4		104	70-130
Toluene-d8		121	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: RQ10561-002
Batch: 10561
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	900		1	90	70-130	04/11/2016 0859
tert-Amyl methyl ether (TAME)	50	42		1	84	70-130	04/11/2016 0859
Benzene	50	39		1	78	70-130	04/11/2016 0859
tert-Butyl formate (TBF)	250	200		1	82	70-130	04/11/2016 0859
1,2-Dichloroethane	50	38		1	77	70-130	04/11/2016 0859
Diisopropyl ether (IPE)	50	38		1	77	70-130	04/11/2016 0859
3,3-Dimethyl-1-butanol	1000	880		1	88	70-130	04/11/2016 0859
Ethanol	5000	4800		1	97	60-140	04/11/2016 0859
Ethylbenzene	50	48		1	97	70-130	04/11/2016 0859
Ethyl-tert-butyl ether (ETBE)	50	41		1	81	70-130	04/11/2016 0859
Methyl tertiary butyl ether (MTBE)	50	39		1	77	70-130	04/11/2016 0859

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: RQ10561-002
Batch: 10561
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Naphthalene	50	53		1	105	70-130	04/11/2016 0859
tert-butyl alcohol (TBA)	1000	960		1	96	70-130	04/11/2016 0859
Toluene	50	47		1	95	70-130	04/11/2016 0859
Xylenes (total)	100	97		1	97	70-130	04/11/2016 0859

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		114	70-130
1,2-Dichloroethane-d4		103	70-130
Toluene-d8		120	70-130

Volatile Organic Compounds by GC/MS - MS

Sample ID: RD08011-004MS
Batch: 10561
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	2600	50000	41000		50	77	70-130	04/11/2016 1840
tert-Amyl methyl ether (TAME)	200	2500	2000		50	73	70-130	04/11/2016 1840
Benzene	320	2500	2100	N	50	70	72-127	04/11/2016 1840
tert-Butyl formate (TBF)	ND	13000	7200	N	50	58	70-130	04/11/2016 1840
1,2-Dichloroethane	ND	2500	1600		50	66	59-143	04/11/2016 1840
Diisopropyl ether (IPE)	74	2500	1800		50	70	70-130	04/11/2016 1840
3,3-Dimethyl-1-butanol	ND	50000	37000		50	74	70-130	04/11/2016 1840
Ethanol	ND	250000	180000		50	72	70-130	04/11/2016 1840
Ethylbenzene	1500	2500	3800		50	95	79-132	04/11/2016 1840
Ethyl-tert-butyl ether (ETBE)	ND	2500	1800		50	71	70-130	04/11/2016 1840
Methyl tertiary butyl ether (MTBE)	1600	2500	3200		50	62	60-140	04/11/2016 1840
Naphthalene	1000	2500	3900		50	114	62-136	04/11/2016 1840
tert-butyl alcohol (TBA)	7400	50000	49000		50	83	70-130	04/11/2016 1840
Toluene	1600	2500	3800		50	87	75-125	04/11/2016 1840
Xylenes (total)	9100	5000	15000		50	115	70-130	04/11/2016 1840

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		115	70-130
Toluene-d8		118	70-130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: RD08011-004MD
Batch: 10561
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	2600	50000	30000	N,+	50	54	33	70-130	20	04/11/2016 1904
tert-Amyl methyl ether (TAME)	200	2500	1500	N,+	50	52	29	70-130	20	04/11/2016 1904
Benzene	320	2500	1600	N,+	50	50	26	72-127	20	04/11/2016 1904
tert-Butyl formate (TBF)	ND	13000	5100	N,+	50	40	36	70-130	20	04/11/2016 1904
1,2-Dichloroethane	ND	2500	1200	N,+	50	48	32	59-143	20	04/11/2016 1904
Diisopropyl ether (IPE)	74	2500	1300	N,+	50	49	33	70-130	20	04/11/2016 1904
3,3-Dimethyl-1-butanol	ND	50000	27000	N,+	50	54	32	70-130	20	04/11/2016 1904
Ethanol	ND	250000	130000	N,+	50	52	32	70-130	20	04/11/2016 1904
Ethylbenzene	1500	2500	3100	N,+	50	64	22	79-132	20	04/11/2016 1904
Ethyl-tert-butyl ether (ETBE)	ND	2500	1300	N,+	50	51	34	70-130	20	04/11/2016 1904
Methyl tertiary butyl ether (MTBE)	1600	2500	2700	N	50	42	17	60-140	20	04/11/2016 1904
Naphthalene	1000	2500	3000	+	50	79	26	62-136	20	04/11/2016 1904
tert-butyl alcohol (TBA)	7400	50000	37000	N,+	50	59	28	70-130	20	04/11/2016 1904
Toluene	1600	2500	3200	N	50	61	19	75-125	20	04/11/2016 1904
Xylenes (total)	9100	5000	12000	N	50	66	18	70-130	20	04/11/2016 1904

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		115	70-130
Toluene-d8		118	70-130

Volatile Organic Compounds by GC/MS - MB

Sample ID: RQ10624-001
Batch: 10624
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	1.5	ug/L	04/11/2016 2146
tert-Amyl methyl ether (TAME)	ND		1	10	0.25	ug/L	04/11/2016 2146
Benzene	ND		1	1.0	0.21	ug/L	04/11/2016 2146
tert-Butyl formate (TBF)	ND		1	5.0	0.66	ug/L	04/11/2016 2146
1,2-Dichloroethane	ND		1	1.0	0.23	ug/L	04/11/2016 2146
Diisopropyl ether (IPE)	ND		1	1.0	0.26	ug/L	04/11/2016 2146
3,3-Dimethyl-1-butanol	ND		1	20	1.5	ug/L	04/11/2016 2146
Ethanol	ND		1	100	19	ug/L	04/11/2016 2146
Ethylbenzene	ND		1	1.0	0.21	ug/L	04/11/2016 2146
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.13	ug/L	04/11/2016 2146
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.23	ug/L	04/11/2016 2146

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: RQ10624-001
Batch: 10624
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Naphthalene	ND		1	1.0	0.14	ug/L	04/11/2016 2146
tert-butyl alcohol (TBA)	ND		1	20	2.3	ug/L	04/11/2016 2146
Toluene	ND		1	1.0	0.24	ug/L	04/11/2016 2146
Xylenes (total)	ND		1	1.0	0.32	ug/L	04/11/2016 2146

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		106	70-130
1,2-Dichloroethane-d4		113	70-130
Toluene-d8		112	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: RQ10624-002
Batch: 10624
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1200		1	124	70-130	04/11/2016 2046
tert-Amyl methyl ether (TAME)	50	53		1	107	70-130	04/11/2016 2046
Benzene	50	50		1	99	70-130	04/11/2016 2046
tert-Butyl formate (TBF)	250	280		1	111	70-130	04/11/2016 2046
1,2-Dichloroethane	50	53		1	107	70-130	04/11/2016 2046
Diisopropyl ether (IPE)	50	51		1	103	70-130	04/11/2016 2046
3,3-Dimethyl-1-butanol	1000	1100		1	108	70-130	04/11/2016 2046
Ethanol	5000	5600		1	112	60-140	04/11/2016 2046
Ethylbenzene	50	55		1	110	70-130	04/11/2016 2046
Ethyl-tert-butyl ether (ETBE)	50	55		1	110	70-130	04/11/2016 2046
Methyl tertiary butyl ether (MTBE)	50	49		1	99	70-130	04/11/2016 2046
Naphthalene	50	60		1	121	70-130	04/11/2016 2046
tert-butyl alcohol (TBA)	1000	1200		1	122	70-130	04/11/2016 2046
Toluene	50	54		1	109	70-130	04/11/2016 2046
Xylenes (total)	100	110		1	113	70-130	04/11/2016 2046

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		107	70-130
1,2-Dichloroethane-d4		112	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: RQ10625-001
Batch: 10625
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	1.5	ug/L	04/11/2016 2213
tert-Amyl methyl ether (TAME)	ND		1	10	0.25	ug/L	04/11/2016 2213
Benzene	ND		1	1.0	0.21	ug/L	04/11/2016 2213
tert-Butyl formate (TBF)	ND		1	5.0	0.66	ug/L	04/11/2016 2213
1,2-Dichloroethane	ND		1	1.0	0.23	ug/L	04/11/2016 2213
Diisopropyl ether (IPE)	ND		1	1.0	0.26	ug/L	04/11/2016 2213
3,3-Dimethyl-1-butanol	ND		1	20	1.5	ug/L	04/11/2016 2213
Ethanol	ND		1	100	19	ug/L	04/11/2016 2213
Ethylbenzene	ND		1	1.0	0.21	ug/L	04/11/2016 2213
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.13	ug/L	04/11/2016 2213
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.23	ug/L	04/11/2016 2213
Naphthalene	ND		1	1.0	0.14	ug/L	04/11/2016 2213
tert-butyl alcohol (TBA)	ND		1	20	2.3	ug/L	04/11/2016 2213
Toluene	ND		1	1.0	0.24	ug/L	04/11/2016 2213
Xylenes (total)	ND		1	1.0	0.32	ug/L	04/11/2016 2213

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		115	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		119	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: RQ10625-002
Batch: 10625
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	990		1	99	70-130	04/11/2016 2112
tert-Amyl methyl ether (TAME)	50	46		1	93	70-130	04/11/2016 2112
Benzene	50	43		1	87	70-130	04/11/2016 2112
tert-Butyl formate (TBF)	250	220		1	87	70-130	04/11/2016 2112
1,2-Dichloroethane	50	41		1	83	70-130	04/11/2016 2112
Diisopropyl ether (IPE)	50	44		1	88	70-130	04/11/2016 2112
3,3-Dimethyl-1-butanol	1000	920		1	92	70-130	04/11/2016 2112
Ethanol	5000	4600		1	92	60-140	04/11/2016 2112
Ethylbenzene	50	54		1	107	70-130	04/11/2016 2112
Ethyl-tert-butyl ether (ETBE)	50	45		1	89	70-130	04/11/2016 2112
Methyl tertiary butyl ether (MTBE)	50	41		1	82	70-130	04/11/2016 2112

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: RQ10625-002
Batch: 10625
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Naphthalene	50	57		1	114	70-130	04/11/2016 2112
tert-butyl alcohol (TBA)	1000	1000		1	103	70-130	04/11/2016 2112
Toluene	50	53		1	106	70-130	04/11/2016 2112
Xylenes (total)	100	110		1	107	70-130	04/11/2016 2112

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		112	70-130
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		116	70-130

Volatile Organic Compounds by GC/MS - MB

Sample ID: RQ10668-001
Batch: 10668
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	1.5	ug/L	04/12/2016 1031
tert-Amyl methyl ether (TAME)	ND		1	10	0.25	ug/L	04/12/2016 1031
Benzene	ND		1	1.0	0.21	ug/L	04/12/2016 1031
tert-Butyl formate (TBF)	ND		1	5.0	0.66	ug/L	04/12/2016 1031
1,2-Dichloroethane	ND		1	1.0	0.23	ug/L	04/12/2016 1031
Diisopropyl ether (IPE)	ND		1	1.0	0.26	ug/L	04/12/2016 1031
3,3-Dimethyl-1-butanol	ND		1	20	1.5	ug/L	04/12/2016 1031
Ethanol	ND		1	100	19	ug/L	04/12/2016 1031
Ethylbenzene	ND		1	1.0	0.21	ug/L	04/12/2016 1031
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.13	ug/L	04/12/2016 1031
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.23	ug/L	04/12/2016 1031
Naphthalene	ND		1	1.0	0.14	ug/L	04/12/2016 1031
tert-butyl alcohol (TBA)	ND		1	20	2.3	ug/L	04/12/2016 1031
Toluene	ND		1	1.0	0.24	ug/L	04/12/2016 1031
Xylenes (total)	ND		1	1.0	0.32	ug/L	04/12/2016 1031

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		107	70-130
1,2-Dichloroethane-d4		115	70-130
Toluene-d8		114	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: RQ10668-002
Batch: 10668
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1200		1	120	70-130	04/12/2016 0931
tert-Amyl methyl ether (TAME)	50	53		1	105	70-130	04/12/2016 0931
Benzene	50	49		1	99	70-130	04/12/2016 0931
tert-Butyl formate (TBF)	250	280		1	111	70-130	04/12/2016 0931
1,2-Dichloroethane	50	52		1	104	70-130	04/12/2016 0931
Diisopropyl ether (IPE)	50	52		1	103	70-130	04/12/2016 0931
3,3-Dimethyl-1-butanol	1000	1100		1	106	70-130	04/12/2016 0931
Ethanol	5000	5000		1	100	60-140	04/12/2016 0931
Ethylbenzene	50	54		1	109	70-130	04/12/2016 0931
Ethyl-tert-butyl ether (ETBE)	50	56		1	112	70-130	04/12/2016 0931
Methyl tertiary butyl ether (MTBE)	50	51		1	103	70-130	04/12/2016 0931
Naphthalene	50	59		1	119	70-130	04/12/2016 0931
tert-butyl alcohol (TBA)	1000	1100		1	115	70-130	04/12/2016 0931
Toluene	50	54		1	108	70-130	04/12/2016 0931
Xylenes (total)	100	110		1	112	70-130	04/12/2016 0931

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		109	70-130
1,2-Dichloroethane-d4		112	70-130
Toluene-d8		111	70-130

Volatile Organic Compounds by GC/MS - MS

Sample ID: RD08011-048MS
Batch: 10668
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	ND	100000	120000		100	125	70-130	04/12/2016 1829
tert-Amyl methyl ether (TAME)	200	5000	5500		100	107	70-130	04/12/2016 1829
Benzene	1100	5000	6000		100	98	72-127	04/12/2016 1829
tert-Butyl formate (TBF)	ND	25000	22000		100	86	70-130	04/12/2016 1829
1,2-Dichloroethane	ND	5000	5400		100	107	59-143	04/12/2016 1829
Diisopropyl ether (IPE)	71	5000	5300		100	105	70-130	04/12/2016 1829
3,3-Dimethyl-1-butanol	ND	100000	100000		100	105	70-130	04/12/2016 1829
Ethanol	ND	500000	530000		100	107	70-130	04/12/2016 1829
Ethylbenzene	1700	5000	6700		100	99	79-132	04/12/2016 1829
Ethyl-tert-butyl ether (ETBE)	ND	5000	5500		100	111	70-130	04/12/2016 1829
Methyl tertiary butyl ether (MTBE)	1900	5000	7000		100	102	60-140	04/12/2016 1829

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: RD08011-048MS
Batch: 10668
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Naphthalene	1100	5000	7000		100	118	62-136	04/12/2016 1829
tert-butyl alcohol (TBA)	ND	100000	130000	N	100	131	70-130	04/12/2016 1829
Toluene	8700	5000	13000		100	87	75-125	04/12/2016 1829
Xylenes (total)	14000	10000	23000		100	89	70-130	04/12/2016 1829

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		111	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		108	70-130

Volatile Organic Compounds by GC/MS - MSD

Sample ID: RD08011-048MD
Batch: 10668
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	ND	100000	110000		100	113	10	70-130	20	04/12/2016 1851
tert-Amyl methyl ether (TAME)	200	5000	5600		100	107	0.39	70-130	20	04/12/2016 1851
Benzene	1100	5000	6400		100	105	5.6	72-127	20	04/12/2016 1851
tert-Butyl formate (TBF)	ND	25000	21000		100	85	1.4	70-130	20	04/12/2016 1851
1,2-Dichloroethane	ND	5000	5400		100	108	0.60	59-143	20	04/12/2016 1851
Diisopropyl ether (IPE)	71	5000	5400		100	106	0.83	70-130	20	04/12/2016 1851
3,3-Dimethyl-1-butanol	ND	100000	96000		100	96	8.4	70-130	20	04/12/2016 1851
Ethanol	ND	500000	420000	+	100	84	23	70-130	20	04/12/2016 1851
Ethylbenzene	1700	5000	7600		100	116	12	79-132	20	04/12/2016 1851
Ethyl-tert-butyl ether (ETBE)	ND	5000	5600		100	112	1.0	70-130	20	04/12/2016 1851
Methyl tertiary butyl ether (MTBE)	1900	5000	7200		100	104	1.7	60-140	20	04/12/2016 1851
Naphthalene	1100	5000	6900		100	116	2.1	62-136	20	04/12/2016 1851
tert-butyl alcohol (TBA)	ND	100000	120000		100	115	12	70-130	20	04/12/2016 1851
Toluene	8700	5000	14000		100	110	8.6	75-125	20	04/12/2016 1851
Xylenes (total)	14000	10000	26000		100	118	12	70-130	20	04/12/2016 1851

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		112	70-130
Bromofluorobenzene		111	70-130
Toluene-d8		108	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: RQ10722-001
Batch: 10722
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Ethylbenzene	ND		1	1.0	0.21	ug/L	04/12/2016 2215
Xylenes (total)	ND		1	1.0	0.32	ug/L	04/12/2016 2215

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		108	70-130
1,2-Dichloroethane-d4		113	70-130
Toluene-d8		112	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: RQ10722-002
Batch: 10722
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Ethylbenzene	50	55		1	111	70-130	04/12/2016 2111
Xylenes (total)	100	110		1	114	70-130	04/12/2016 2111

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		108	70-130
1,2-Dichloroethane-d4		111	70-130
Toluene-d8		109	70-130

Volatile Organic Compounds by GC/MS - MB

Sample ID: RQ10852-001
Batch: 10852
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	1.5	ug/L	04/13/2016 2234
tert-Amyl methyl ether (TAME)	ND		1	10	0.25	ug/L	04/13/2016 2234
Benzene	ND		1	1.0	0.21	ug/L	04/13/2016 2234
tert-Butyl formate (TBF)	ND		1	5.0	0.66	ug/L	04/13/2016 2234
1,2-Dichloroethane	ND		1	1.0	0.23	ug/L	04/13/2016 2234
Diisopropyl ether (IPE)	ND		1	1.0	0.26	ug/L	04/13/2016 2234
3,3-Dimethyl-1-butanol	ND		1	20	1.5	ug/L	04/13/2016 2234

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: RQ10852-001
Batch: 10852
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Ethanol	ND		1	100	19	ug/L	04/13/2016 2234
Ethylbenzene	ND		1	1.0	0.21	ug/L	04/13/2016 2234
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.13	ug/L	04/13/2016 2234
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.23	ug/L	04/13/2016 2234
Naphthalene	ND		1	1.0	0.14	ug/L	04/13/2016 2234
tert-butyl alcohol (TBA)	ND		1	20	2.3	ug/L	04/13/2016 2234
Toluene	ND		1	1.0	0.24	ug/L	04/13/2016 2234
Xylenes (total)	ND		1	1.0	0.32	ug/L	04/13/2016 2234

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		116	70-130
1,2-Dichloroethane-d4		111	70-130
Toluene-d8		122	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: RQ10852-002
Batch: 10852
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1100		1	114	70-130	04/13/2016 2128
tert-Amyl methyl ether (TAME)	50	46		1	92	70-130	04/13/2016 2128
Benzene	50	43		1	87	70-130	04/13/2016 2128
tert-Butyl formate (TBF)	250	250		1	98	70-130	04/13/2016 2128
1,2-Dichloroethane	50	47		1	94	70-130	04/13/2016 2128
Diisopropyl ether (IPE)	50	41		1	82	70-130	04/13/2016 2128
3,3-Dimethyl-1-butanol	1000	1100		1	107	70-130	04/13/2016 2128
Ethanol	5000	5600		1	111	60-140	04/13/2016 2128
Ethylbenzene	50	54		1	109	70-130	04/13/2016 2128
Ethyl-tert-butyl ether (ETBE)	50	46		1	93	70-130	04/13/2016 2128
Methyl tertiary butyl ether (MTBE)	50	41		1	81	70-130	04/13/2016 2128
Naphthalene	50	60		1	120	70-130	04/13/2016 2128
tert-butyl alcohol (TBA)	1000	1200		1	118	70-130	04/13/2016 2128
Toluene	50	54		1	107	70-130	04/13/2016 2128
Xylenes (total)	100	110		1	110	70-130	04/13/2016 2128

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: RQ10852-002
Batch: 10852
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		115	70-130
1,2-Dichloroethane-d4		106	70-130
Toluene-d8		117	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Chain of Custody
and
Miscellaneous Documents

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

SHEALY ENVIRONMENTAL SERVICES, INC.

SHEALY **Chain of Custody Record**

106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 57498

Client: Terry Environmental Services	Report to Contact: Kelly Cone	Telephone No. / E-mail: (843) 873-8200	Quote No.
Address: PO Box 25	Sampler's Signature: X	Analysis (Attach list if more space is needed)	Page 1 of 7
City: Summerville	State: SC	Zip Code: 29484	Printed Name: Dillon Slade		RD08011
Project Name: I-26 Cricket #339			
Project No.: 21702	P.O. No.		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	Grab (G) or Composite (C)	Matrix: Aqueous	Solid	Non-Aqueous	No of Containers by Preservative Type: Plastic	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	BTEX MTBE 1,2 DCA & EDC	Remarks / Cooler I.D.
07303 MW-8	4/5/16	1610		X						X			3	
MW-5R	4/5/16	1502												
MW-9	4/6/16	800												
MW-10	4/6/16	1131												
MW-11	4/5/16	1336												
MW-12	4/5/16	1312												
MW-13	4/5/16	1307												
MW-14	4/5/16	1259												
MW-15	4/5/16	1722												

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☐ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by:	4/7/16	925	1. Received by		
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	Date	Time	4. Laboratory received by: Melinda McDonald	Date 4/7/16	Time 929

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Circle) (Yes) No Ice Pack Receipt Temp. 2.4 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

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108 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 59592

Client: Terry Environmental Services	Report to Contact: Kelly Core	Telephone No. / E-mail: (843) 873-8200	Quote No.
Address: PO Box 25	Sampler's Signature: x [signature]	Analysis (Attach list if more space is needed)	Page 2 of 7
City: Summerville State: SC Zip Code: 29484	Printed Name: Dillon Slade		RD08011
Project Name: Li'l Cricket #339			
Project No.: 2170L P.O. No.			

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Grab / Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No. of Containers by Preservative Type: Unpres	H2SO4	HNO3	HCl	NaOH	5035 Kit	BTEX [illegible]	Remarks / Cooler I.D.
07303 mw-16	4/5/16	1559		X						X			3	
mw-17	4/5/16	1522												
mw-18	4/5/16	1541												
mw-20	4/6/16	1135												
mw-21	4/5/16	1245												
mw-22	4/5/16	0859												
mw-23	4/5/16	0919												
mw-24	4/6/16	0920												
mw-25	4/5/16	1208												
mw-26	4/6/16	0954												

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☐ Standard ☐ Rush (Specify)

Sample Disposal ☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: [signature]	4/7/16	1925	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: Melinda McDonald	4/7/16	1925

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY Received on ice (Circle) (Yes) No Ice Pack Receipt Temp. 2.4 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

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106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

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SHEALY **Chain of Custody Record**

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106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 59593

Client: Terry Environmental Services	Report to Contact: Kelly Cone	Telephone No. / E-mail: (803) 8788200	Quote No.
Address: PO Box 25	Sampler's Signature: X	Analysis (Attach list if more space is needed)	Page 3 of 7
City: Summerville	State: SC	Zip Code: 29484	Printed Name: Dillon Slade
Project Name: LT Cricket #339			RD08011
Project No.: 2170L	P.O. No.		Remarks / Cooler I.D.

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Grab (G) or Composite (C)	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No. of Containers by Preservative Type: Unpres.	HNO3	H2SO4	NaOH	ZnOAc	8 VOA's, 4 Amb. 2 OXY	
07303 MW-27	4/6/16	0929		X						X		3	
MW-28	4/5/16	0925											
MW-29	4/5/16	1317											
MW-30	4/5/16	1403											
MW-31	4/4/16	1657											
MW-32	4/4/16	1701											
MW-33	4/4/16	1710											
MW-34	4/4/16	1649											
MW-35	4/4/16	1643											
MW-36	4/4/16	1641											

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☐ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Kelly Cone	4/7/16	0935	1. Received by		
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	Date	Time	4. Laboratory received by: Melinda McDonald	4/7/16	1925

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Circle) (Yes) No Ice Pack
Receipt Temp 2.4 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

SHEALY ENVIRONMENTAL SERVICES, INC.

SHEALY **Chain of Custody Record**

106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 59594

Client: Terry Environmental Service	Report to Contact: Kelly Cone	Telephone No. / E-mail: (843) 873-3200	Quote No.
Address: PO Box 25	Sampler's Signature: X	Analysis (Attach list if more space is needed): BTEX, MTBE, EDB	Page 1 of 7
City: Summerville State: SC Zip Code: 29484	Printed Name: Dillon Slade		RD08011
Project Name: LTP Cricket #339			
Project No.: 2170 L	P.O. No.		Remarks / Cooler I.D.

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Solids & Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No of Containers by Preservative Type: 40ml	250ml	HNO3	HCl	H2SO4	NaOH	NaHSO4	
07303 mw-37	4/4/16	1538		X						X				3
mw-38	4/4/16	1634												
mw-39	4/5/16	1055												
mw-40	4/5/16	0828												
mw-41	4/5/16	1106												
mw-42	4/5/16	0820												
mw-46	4/6/16	1350												
mw-47	4/6/16	1436												
mw-48	4/6/16	1420												
DW-1	4/5/16	1718												

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☐ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify):

	Date	Time
1. Relinquished by:	4/7/16	1425
2. Relinquished by		
3. Relinquished by		
4. Relinquished by		

	Date	Time
1. Received by		
2. Received by		
3. Received by		
4. Laboratory received by: Melinda McDonald	4/7/16	925

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) (Yes) No Ice Pack Receipt Temp. 2.4 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 06-01-2014

SHEALY ENVIRONMENTAL SERVICES, INC.

SHEALY **Chain of Custody Record**

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 55270

Client: Terry Environmental Service	Report to Contact: Kelly Cone	Telephone No. / E-mail: (843) 873 8200	Quote No.
Address: PO Box 25	Sampler's Signature: x [signature]	Analysis (Attach list if more space is needed)	Page 5 of 7
City: Summerville; State: SC; Zip Code: 29484	Printed Name: Dillon Slade		RD08011
Project Name: Lil Cricket #339			
Project No.: 2170L	P.O. No.		

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Rx Grab Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No of Containers by Preservative Type: Aqueous	HCl	NaOH	HNO3	HCl	NaOH	HNO3	BTEX, NM, 1,2 DCA, OXT	Remarks / Cooler I.D.
07303 DW-2	4/6/16	1104		X							X			3	
DW-3	4/6/16	1239													
DW-5	4/5/16	0853													
DW-6	4/5/16	1647													
DW-7	4/6/16	1035													
DW-9	4/4/16	1620													
DW-10	4/4/16	1530													
DW-11	4/5/16	1141													
RW-1	4/6/16	1117													
RW-2	4/6/16	1148													

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☐ Standard ☐ Rush (Specify)

Sample Disposal ☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: [signature]	4/7/16	1925	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: Melinda McDonald	4/7/16	1925

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 2.4 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

SHEALY **Chain of Custody Record**

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 59668

Client: Terry Environmental Service
Address: PO Box 25
City: Summerville SC | State: SC | Zip Code: 29484
Project Name: Lil Cricket #339
Project No.: 21706
P.O. No.:

Report to Contact: Kelly Cone
Sampler's Signature: x [signature]
Printed Name: Dillon Slade

Telephone No. / E-mail: (843) 873-8200
Analysis (Attach list if more space is needed)

Quote No.:
Page 6 of 7

RD08011

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G-Grab C-Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No. of Containers by Preservative Type: Digests	HPSO4	HNO3	HCl	NaOH	NaOH/ZnOH	Blank, NH4, 1,2,DCA OX	Remarks / Cooler I.D.
07303 RW-3	4/6/16	1202		X						X			3	
RW-4	4/6/16	1111												
SW-1	4/5/16	1152												
SW-2	4/5/16	1157												
FB-1	4/4/16	1350												
FB-2	4/5/16	0810												
FB-3	4/6/16	0915												
MW-15 Dup	4/5/16	1724												
MW-20 Dup	4/6/16	1157												
MW-41 Dup	4/5/16	1108												

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☐ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: [signature]	4/7/16	1925	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: Melinda McDonald	4/7/16	1929

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Circle) Yes No Ice Pack
Receipt Temp. 2.4 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 06-01-2014

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

SHEALY

Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 59666

Client: Terry Environmental Service	Report to Contact: Kelly Cove	Telephone No. / E-mail: (843)873-8200	Quote No.
Address: PO Box 25	Sampler's Signature: x	Analysis (Attach list if more space is needed)	Page 7 of 7
City: Summerville SC / State: SC / Zip Code: 29484	Printed Name: Dillon Slade		RD08011
Project Name: Lil Cricket #339			
Project No.: 2170L	P.O. No.		

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Sample Components	Matrix: Aqueous	Matrix: Solid	Matrix: Other Matrix	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 537.1	Remarks / Cooler I.D.
TB-1	—	—		X						X			1	

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☐ Standard ☐ Rush (Specify)

Sample Disposal ☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Dillon Slade	4/7/16	1925	1. Received by		
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	Date	Time	4. Laboratory received by: Melinda McDonald	Date 4/7/16	Time 1925

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Circle) (Yes) No Ice Pack Receipt Temp 2.4 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: MI30018C-04

Page 1 of 1
Effective Date: 02/05/2016
Expiry Date: 02/05/2021

Sample Receipt Checklist (SRC)

Client: TERRY ENVIRONMENTAL Cooler Inspected by/date: MA 4/7/16 Lot #: RD0801

Means of receipt: ☐ SESI ☑ Client ☐ UPS ☐ FedEx ☐ Other			
Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?

pH strip ID: _____ Cl strip ID: _____

Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt:

12.4/2.4 °C / / °C / / °C / / °C

Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: 6 IR Gun Correction Factor: 0 °C

Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM was notified by: phone / email / face-to-face (circle one).
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		13. Was adequate sample volume available?
Yes ☑	No ☑		14. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		15. Were any samples containers missing/excess (circle one) samples not listed on COC?
Yes ☑	No ☐	NA ☐	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	20. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	21. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		22. Was the quote number used taken from the container label?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4, HNO3, HCl, NaOH) using SR # _____.

Sample(s) #33 (1) were received with bubbles >6 mm in diameter.

Samples(s) _____ were received with TRC >0.2 mg/L (If #21 is No) and were adjusted accordingly in sample receiving with sodium thiosulfate ($Na_2S_2O_3$) with Shealy ID: _____.

SC Drinking Water Project Sample(s) pH verified to be ≥ 2 by _____ Date: _____

Sample(s) _____ were not received at a pH of <2 and were adjusted accordingly using SR# _____

Sample labels applied by: MA Verified by: _____ Date: 4/7/16

Comments: _____

APPENDIX C

Tax Map
(Not Applicable)

APPENDIX D

Soil Boring/Field Screening Logs
(Not Applicable)

APPENDIX E

Well Completion Logs/SCDHEC 1903 Forms
(Not Applicable)

APPENDIX F

Aquifer Evaluation Forms
(Not Applicable)

APPENDIX G

Disposal Manifest

TERRY Environmental Services, Inc.

Certificate of On-Site Treatment

In accordance with NPDES General Permit No. SCG830000, 82 gallons of petroleum contaminated purge water and/or by-products from cleaning and decontamination were processed on-site via a portable granular activated carbon (GAC) unit and released to the surface within the area of the known petroleum contamination plume on April 4-6, 2016.

Former Li'l Cricket #339

Seneca, South Carolina

SCDHEC UST Permit No.: 07303

TERRY Environmental Services
CLIENTS FIRST ALWAYS

APPENDIX H

Local Zoning Regulations
(Not Applicable)

APPENDIX I

Fate and Transport Modeling Data
(Not Applicable)

APPENDIX J

Access Agreements
(Not Applicable)

APPENDIX K

Data Verification Checklist

Contractor Checklist –Former Li'l Cricket #339

UST Permit #07303 - TERRY Project #2170L

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			X
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?	X		
7	Has the facility history been summarized?	X		
8	Has the regional geology and hydrogeology been described?	X		
9	Are the receptor survey results provided as required?			X
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?	X		
12	Has the primary soil type been described?	Sect. 3		
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?			X
17	Has the method of well development been detailed?			X
18	Has justification been provided for the locations of the monitoring wells?			X
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	X		
20	Has the groundwater sampling methodology been detailed?	X		
21	Have the groundwater sampling dates and groundwater measurements been provided?	X		
22	Has the purging methodology been detailed?	X		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?	X		
24	If free-product is present, has the thickness been provided?	X		
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	X		
34	Has the current and historical laboratory data been provided in tabular format?	X		

Item #	Item	Yes	No	N/A
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			X
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)	X Fig 4		X Fig 3
40	Has the site potentiometric map been provided? (Figure 5)	X		
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	X		
45	Is the laboratory performing the analyses properly certified?	X		
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)			X
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			X
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	X		

Explanation for missing and incomplete information?

Not Applicable for the current directive.

Former Lil Cricket #339
UST Permit #07303

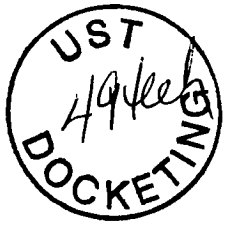
	Tier I	Tier II	AR	AR	AR	AR	MR	MR
MW-3	10/1/08	2/17/09	6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW	41 28	41 54	nm	38 78	nm	nm	38 87	37.93
Benzene	**9**	2	ns	2	ns	ns	<1	<1
Toluene	<1	<1		56			<1	<1
Ethylbenzene	4	<1		46			<1	<1
Xylenes	7	<3		510			<1	<1
MTBE	**57**	**56**		<1			<1	<1
Naphthalene	4	<5		**170**			<1	<1
Lead	14	5		12			na	na
DCA	<1	<1		<1			<1	<1
EDB	<0 01	<0.01		<0.02			<0.02	<0.02
DIPE	na	3		<10			<1	<1
TAA	na	46		<100			<20	<20
TAME	na	7		<10			<10	<10
TBA	na	103		<100			<20	<20

MW-5R	10/1/08	2/17/09	6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW	59.55	53.20	nm	38.63	nm	nm	31.40	38.34
Benzene	ns	<1	ns	<1	ns	ns	<1	<1
Toluene		<1		<1			<1	<1
Ethylbenzene		<1		<1			<1	<1
Xylenes		<3		<3			<1	<1
MTBE		1		<1			<1	<1
Naphthalene		<5		<5			<1	<1
Lead		<1		<1			na	na
DCA		<1		<1			<1	<1
EDB		<0.01		<0.02			<0.02	na
DIPE		<5		<10			<1	<1
TAA		<20		<100			<20	<20
TAME		<5		<10			<10	<10
TBA		<10		<100			<20	<20

MW-9	10/1/08	2/17/09	6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW	40.81	40 44	nm	37.05	nm	nm	37.79	35.44
Benzene	**2820**	**3020**	ns		ns	ns	**350**	**100**
Toluene	**4860**	**4180**					18	21
Ethylbenzene	**1140**	**1150**					330	220
Xylenes	4720	4370					260	500
MTBE	**9050**	**8630**					**810**	**140**
Naphthalene	**357**	**393**					**59**	**58**
Lead	**160**	14					na	na
DCA	**<50**	**52**					**<10**	<5
EDB	**197.00**	**0.07**					0.01	na
DIPE	na	**247**					32	5
TAA	na	**<1000**					220	73
TAME	na	**438**					34	6
TBA	na	**3450**					450	110

MW-10	10/1/08	2/17/09	6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW	**FP**	**FP**	nm	**FP**	nm	nm	41 36	39.69
Benzene	(0 33')	(0.10')	ns	(0.02')	ns	ns	**1200**	**320**
Toluene							**8700**	**1600**
Ethylbenzene							**2100**	**1500**
Xylenes							**14000**	9100
MTBE							**810**	**1600**
Naphthalene							**1200**	**1000**
Lead							na	na
DCA							**<100**	**<50**
EDB							**0.07**	na
DIPE							<100	74
TAA							**780**	**2600**
TAME							46	**200**
TBA							**3100**	**7400**

MW-11		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW		43.31	nm	40.65	nm	nm	40 65	38.69
Benzene		<1	ns	<1	ns	ns	<1	<1
Toluene		<1		<1			<1	<1
Ethylbenzene		<1		<1			<1	<1
Xylenes		<3		<3			<1	<1
MTBE		1		1			2	1
Naphthalene		<5		<5			<1	<1
Lead		14		13			na	na
DCA		<1		<1			<1	<1
EDB		<0.01		<0.02			<0 02	na
DIPE		<5		<10			<1	<1
TAA		<20		<100			<20	<20
TAME		<5		<10			<10	<10
TBA		<10		<100			<20	<20



MW-12		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW		45 39	nm	42.86	nm	nm	42.80	40 95
Benzene		<1	ns	<1	ns	ns	<1	<1
Toluene		<1		<1			<1	<1
Ethylbenzene		<1		<1			<1	<1
Xylenes		<3		<3			<1	<1
MTBE		25		22			3	20
Naphthalene		<5		<5			<1	<1
Lead		4		13			na	na
DCA		<1		<1			<1	<1
EDB		<0.01		<0.02			<0.02	na
DIPE		1		<10			<1	<1
TAA		<20		<100			<20	<20
TAME		<5		<10			<10	<10
TBA		<10		<100			<20	<20

MW-13		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW		45 34	nm	42 93	nm	nm	42.77	40.07
Benzene		<1	ns	**72**	ns	ns	<1	<1
Toluene		<1		7			<1	<1
Ethylbenzene		<1		18			<1	<1
Xylenes		36		13			<1	<1
MTBE		17		**180**			2	6
Naphthalene		10		<5			<1	<1
Lead		<15		6			na	na
DCA		<1		<1			<1	<1
EDB		<0.01		<0.02			<0.02	na
DIPE		1		12			<1	<1
TAA		<20		170			4	<20
TAME		<5		<10			<10	<10
TBA		17		960			28	<20

MW-14		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW		49.58	nm	47.29	nm	nm	46.98	44.85
Benzene		<1	ns	<1	ns	ns	<1	<1
Toluene		<1		<1			<1	<1
Ethylbenzene		<1		<1			<1	<1
Xylenes		<3		<3			<1	<1
MTBE		2		<1			2	<1
Naphthalene		<5		<5			<1	<1
Lead		4		14			na	na
DCA		<1		<1			<1	<1
EDB		<0.01		<0.02			<0.02	na
DIPE		<5		<10			<1	<1
TAA		<20		<100			<20	<20
TAME		<5		<10			<10	<10
TBA		<10		<100			<20	<20

MW-15		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW		47.05	nm	44.64	nm	nm	44.35	41.80
Benzene		**822**	ns	**770**	ns	ns	**450**	**71**
Toluene		**1420**		940			500	6
Ethylbenzene		**417**		510			580	9
Xylenes		1550		2500			2300	470
MTBE		**1320**		**1200**			**260**	34
Naphthalene		**143**		**190**			**250**	**150**
Lead		5		8			na	na
DCA		<20		<1			**16**	2
EDB		<0 01		<0.02			<0.02	na
DIPE		41		**59**			22	<1
TAA		**<400**		**1600**			**420**	130
TAME		**141**		73			32	4
TBA		**2150**		**2300**			830	380

MW-16		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW		42 08	nm	39.09	nm	nm	38.45	35.36
Benzene		**183**	ns	**60**	ns	ns	3	<1
Toluene		85		5			<1	<1
Ethylbenzene		57		5			<1	<1
Xylenes		107		18			<1	<1
MTBE		**542**		**200**			**67**	2
Naphthalene		<25		9			2	1
Lead		**4**		2			na	na
DCA		9		<1			1	<1
EDB		0.02		<0.02			<0.02	na
DIPE		29		13			5	<1
TAA		237		<100			39	<20
TAME		39		<10			4	<10
TBA		114		<100			50	3

MW-17		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW		41.43	nm	38.29	nm	nm	37.72	34 31
Benzene		**106**	ns	**51**	ns	ns	<1	<1
Toluene		16		<1			<1	<1
Ethylbenzene		55		7			<1	<1
Xylenes		84		<3			<1	<1
MTBE		**463**		**220**			<1	<1
Naphthalene		<25		13			<1	<1
Lead		<15		2			na	na
DCA		<5		<1			<1	<1
EDB		<0.01		<0.02			<0.02	na
DIPE		24		12			<1	<1
TAA		<100		<100			<20	<20
TAME		<10		<10			<10	<10
TBA		<100		<100			<20	<20

MW-18		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW		40.90	nm	37.93	nm	nm	37.25	33.85
Benzene		**255**	ns	**370**	ns	ns	2	**5**
Toluene		73		340			<1	1
Ethylbenzene		109		140			3	6
Xylenes		458		1400			2	3
MTBE		**689**		**930**			19	**60**
Naphthalene		<25		**110**			2	10
Lead		6		1			na	na
DCA		**7**		<1			<1	<1
EDB		0.01		<0 02			<0.02	na
DIPE		38		65			1	2
TAA		143		<100			3	11
TAME		44		35			<1	3
TBA		123		390			41	160

MW-19		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW		40.33	nm	**FP**	nm	nm	37.35	**FP**
Benzene		**3110**	ns	(0.05')	ns	ns	**1800**	(0.05')
Toluene		**9000**					**13000**	
Ethylbenzene		**1330**					**1900**	
Xylenes		5410					**12000**	
MTBE		**12100**					**5600**	
Naphthalene		**682**					**1700**	
Lead		**100**					na	
DCA		**<100**					**81**	
EDB		**6.49**					**14.00**	
DIPE		**323**					**230**	
TAA		**<2000**					**1500**	
TAME		**804**					**480**	
TBA		**7480**					**8600**	

MW-20		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW		43.12	nm	**FP**	nm	nm	40 39	38.61
Benzene		**1340**	ns	(0.10')	ns	ns	**1100**	**87**
Toluene		**1840**					**9100**	100
Ethylbenzene		**1040**					**2500**	16
Xylenes		2670					**16000**	**620**
MTBE		**6230**					**1600**	**540**
Naphthalene		**602**					**1300**	**34**
Lead		**53**					na	na
DCA		**<100**					**53**	**<20**
EDB		**1.61**					**3.30**	na
DIPE		**146**					80	16
TAA		**8450**					**2900**	**4600**
TAME		**676**					120	55
TBA		**16300**					**9100**	**14000**

MW-21			6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW			49 56	48.61	nm	nm	48.36	46.51
Benzene			<1	<1	ns	ns	<1	<1
Toluene			<1	<1			<1	<1
Ethylbenzene			<1	<1			<1	<1
Xylenes			<3	<3			<1	<1
MTBE			<1	<1			<1	<1
Naphthalene			<5	<5			<1	<1
Lead			na	**29**			na	na
DCA			<1	<1			<1	<1
EDB			<0.01	<0.02			<0.02	na
DIPE			na	<10			<1	<1
TAA			na	<100			<20	<20
TAME			na	<10			<10	<10
TBA			na	<100			<20	<20

MW-22			6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW			48.02	47.74	nm	nm	47.05	44.66
Benzene			<1	<1	ns	ns	<1	<1
Toluene			<1	<1			<1	<1
Ethylbenzene			<1	<1			<1	<1
Xylenes			<3	<3			<1	<1
MTBE			<1	<1			<1	<1
Naphthalene			<5	<5			<1	<1
Lead			na	**15**			na	na
DCA			<1	<1			<1	<1
EDB			<0.01	<0 02			<0.02	na
DIPE			na	<10			<1	<1
TAA			na	<100			<20	<20
TAME			na	<10			<10	<10
TBA			na	<100			<20	<20

MW-23			6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW			48 52	48.38	nm	nm	well	44.94
Benzene			<1	**46**	ns	ns	obstructed	<1
Toluene			<1	5				<1
Ethylbenzene			<1	40				<1
Xylenes			<3	<3				<1
MTBE			<1	**140**				<1
Naphthalene			<5	**73**				<1
Lead			na	11				na
DCA			<1	<1				<1
EDB			<0 01	<0.02				na
DIPE			na	<10				<1
TAA			na	120				<20
TAME			na	<10				<10
TBA			na	360				<20

MW-24			6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW			48 43	48.32	nm	nm	47.48	44.78
Benzene			**233**	**38**	ns	ns	**24**	<1
Toluene			195	63			190	<1
Ethylbenzene			**1040**	460			**770**	<1
Xylenes			2990	760			2900	<1
MTBE			19	<1			<20	<1
Naphthalene			**312**	**200**			**320**	<1
Lead			na	11			na	na
DCA			**<20**	<1			**<20**	<1
EDB			<0 01	<0.02			<0.02	na
DIPE			na	<10			<20	<1
TAA			na	<100			200	<20
TAME			na	<10			**<200**	<10
TBA			na	<100			52	<20

MW-25			6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW			46.31	46 31	nm	nm	45.14	42.30
Benzene			**299**	**300**	ns	ns	**77**	<1
Toluene			66	17			23	<1
Ethylbenzene			635	420			180	<1
Xylenes			1260	560			470	<1
MTBE			**103**	**250**			**100**	<1
Naphthalene			**226**	**190**			**56**	<1
Lead			na	2			na	na
DCA			**<10**	<1			3	<1
EDB			<0.01	<0.02			<0.02	na
DIPE			na	<10			3	<1
TAA			na	**290**			**240**	<20
TAME			na	<10			3	<10
TBA			na	530			410	<20

MW-26			6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW			43 96	44.06	nm	nm	42.70	40.12
Benzene			**399**	**2300**	ns	ns	**22**	<1
Toluene			119	63			4	<1
Ethylbenzene			335	**1700**			53	<1
Xylenes			1160	2600			110	<1
MTBE			**156**	**520**			31	<1
Naphthalene			**165**	**490**			21	<1
Lead			na	**30**			na	na
DCA			**<10**	<1			<1	<1
EDB			<0.01	<0.02			<0.02	na
DIPE			na	58			<1	<1
TAA			na	**2300**			48	<20
TAME			na	48			1	<10
TBA			na	**2100**			91	<20

MW-27			6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW			46.59	45.99	nm	nm	45.40	42.86
Benzene			**500**	**510**	ns	ns	**250**	**230**
Toluene			13	50			37	71
Ethylbenzene			261	**1400**			**880**	**1100**
Xylenes			97	660			1900	1600
MTBE			**1060**	28			**98**	**150**
Naphthalene			**61**	**550**			**280**	**350**
Lead			na	**37**			na	na
DCA			**<10**	**<1**			**<10**	<5
EDB			<0.01	<0.02			<0.02	na
DIPE			na	<10			<10	10
TAA			na	<100			210	**260**
TAME			na	<10			<100	14
TBA			na	<100			360	560

MW-28			6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW			48.87	48.28	nm	nm	46.74	45.42
Benzene			<1	<1	ns	ns	<1	<1
Toluene			<1	<1			<1	<1
Ethylbenzene			<1	<1			<1	<1
Xylenes			<3	<3			<1	<1
MTBE			1	**54**			<1	<1
Naphthalene			**4**	6			<1	<1
Lead			na	**20**			na	na
DCA			<1	<1			<1	<1
EDB			<0.01	<0 02			<0.02	na
DIPE			na	<10			<1	<1
TAA			na	<100			<20	<20
TAME			na	<10			<10	<10
TBA			na	<100			<20	<20

MW-29			6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW			46.43	46 96	nm	nm	45.26	41.49
Benzene			**14**	**<20**	ns	ns	**10**	<1
Toluene			11	53			4	<1
Ethylbenzene			65	120			52	1
Xylenes			302	270			130	2
MTBE			**44**	<20			19	1
Naphthalene			**29**	**<100**			11	<1
Lead			na	6			na	na
DCA			**4**	**<20**			<1	<1
EDB			<0.01	<0.02			<0.02	na
DIPE			na	**<200**			<1	<1
TAA			na	**<2000**			46	<20
TAME			na	**<200**			<10	<10
TBA			na	**<2000**			29	<20

MW-30			6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW			40.72	39.18	nm	nm	38.33	35.17
Benzene			3	2	ns	ns	1	<1
Toluene			<1	<1			<1	<1
Ethylbenzene			1	<1			<1	<1
Xylenes			<3	<3			<1	<1
MTBE			31	6			5	<1
Naphthalene			<5	<5			<1	<1
Lead			na	<1			na	na
DCA			<1	<1			<1	<1
EDB			<0.01	<0.02			<0.02	na
DIPE			na	<10			<1	<1
TAA			na	<100			2	<20
TAME			na	<10			<10	<10
TBA			na	<100			3	<20

MW-31			6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW			32.82	31 98	nm	nm	31.66	29.65
Benzene			<1	<1	ns	ns	<1	<1
Toluene			<1	<1			<1	<1
Ethylbenzene			<1	<1			<1	<1
Xylenes			<3	<3			<1	<1
MTBE			<1	<1			<1	<1
Naphthalene			<5	<5			<1	<1
Lead			na	8			na	na
DCA			<1	<1			<1	<1
EDB			<0.01	<0.02			<0.02	na
DIPE			na	<10			<1	<1
TAA			na	<100			<20	<20
TAME			na	<10			<10	<10
TBA			na	<100			<20	<20

MW-32			6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW			34.86	33.66	nm	nm	33.53	31.30
Benzene			<1	<1	ns	ns	<1	<1
Toluene			<1	<1			<1	<1
Ethylbenzene			<1	<1			<1	<1
Xylenes			<3	<3			<1	<1
MTBE			<1	<1			<1	<1
Naphthalene			<5	<5			<1	<1
Lead			na	12			na	na
DCA			<1	<1			<1	<1
EDB			<0.01	<0.02			<0 02	na
DIPE			na	<10			<1	<1
TAA			na	<100			<20	<20
TAME			na	<10			<10	<10
TBA			na	<100			<20	<20

MW-33			6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW			36.67	35 39	nm	nm	35.36	33.07
Benzene			<1	<1	ns	ns	<1	<1
Toluene			<1	<1			<1	<1
Ethylbenzene			<1	5			<1	<1
Xylenes			<3	8			<1	<1
MTBE			<1	<1			<1	<1
Naphthalene			<5	15			<1	<1
Lead			na	**32**			na	na
DCA			<1	<1			<1	<1
EDB			<0 01	<0.02			<0.02	na
DIPE			na	<10			<1	<1
TAA			na	<100			<20	<20
TAME			na	<10			<10	<10
TBA			na	<100			<20	<20

MW-34			6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW			39.61	38.27	nm	nm	38.40	36.05
Benzene			<1	<1	ns	ns	<1	<1
Toluene			<1	<1			<1	<1
Ethylbenzene			<1	<1			<1	<1
Xylenes			<3	<3			<1	<1
MTBE			<1	<1			<1	<1
Naphthalene			<5	<5			<1	<1
Lead			na	**35**			na	na
DCA			<1	<1			<1	<1
EDB			<0.01	<0.02			<0.02	na
DIPE			na	<10			<1	<1
TAA			na	<100			<20	<20
TAME			na	<10			<10	<10
TBA			na	<100			<20	<20

MW-35			6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW			40.48	39.17	nm	nm	39 30	36.96
Benzene			<1	<1	ns	ns	<1	<1
Toluene			<1	<1			<1	<1
Ethylbenzene			<1	<1			<1	<1
Xylenes			<3	<3			<1	<1
MTBE			<1	<1			<1	<1
Naphthalene			<5	<5			<1	<1
Lead			na	**23**			na	na
DCA			<1	<1			<1	<1
EDB			<0.01	<0.02			<0.02	na
DIPE			na	<10			<1	<1
TAA			na	<100			<20	<20
TAME			na	<10			<10	<10
TBA			na	<100			<20	<20

MW-36			6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW			40.42	39.28	nm	nm	39.32	36.91
Benzene			<1	<1	ns	ns	<1	<1
Toluene			<1	<1			<1	<1
Ethylbenzene			<1	<1			<1	<1
Xylenes			<3	<3			<1	<1
MTBE			<1	<1			<1	<1
Naphthalene			<5	<5			<1	<1
Lead			na	4			na	na
DCA			<1	<1			<1	<1
EDB			<0.01	<0 02			<0.02	na
DIPE			na	<10			<1	<1
TAA			na	<100			<20	<20
TAME			na	<10			<10	<10
TBA			na	<100			<20	<20

MW-37			6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW			35.92	34 90	nm	nm	34.72	32.44
Benzene			<1	<1	ns	ns	<1	<1
Toluene			<1	<1			<1	<1
Ethylbenzene			<1	<1			<1	<1
Xylenes			<3	<3			<1	<1
MTBE			<1	<1			<1	<1
Naphthalene			<5	<5			<1	<1
Lead			na	**25**			na	na
DCA			<1	<1			<1	<1
EDB			<0.01	<0.02			<0.02	na
DIPE			na	<10			<1	<1
TAA			na	<100			<20	<20
TAME			na	<10			<10	<10
TBA			na	<100			<20	<20

MW-38			6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW			34.61	33 69	nm	nm	33.41	31.24
Benzene			<1	<1	ns	ns	<1	<1
Toluene			<1	<1			<1	<1
Ethylbenzene			<1	<1			<1	<1
Xylenes			<3	<3			<1	<1
MTBE			<1	<1			<1	<1
Naphthalene			<5	<5			<1	<1
Lead			na	11			na	na
DCA			<1	<1			<1	<1
EDB			<0.01	<0.02			<0.02	na
DIPE			na	<10			<1	<1
TAA			na	<100			<20	<20
TAME			na	<10			<10	<10
TBA			na	<100			<20	<20

MW-39				2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW				48.39	nm	nm	46.94	44.19
Benzene				1	ns	ns	<1	<1
Toluene				<1			<1	<1
Ethylbenzene				<1			<1	<1
Xylenes				<3			<1	<1
MTBE				5			<1	<1
Naphthalene				<5			<1	<1
Lead				**20**			na	na
DCA				<1			<1	<1
EDB				<0.02			<0 02	na
DIPE				<10			<1	<1
TAA				<100			<20	<20
TAME				<10			<10	<10
TBA				<100			<20	<20

MW-40				2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW				14.64	nm	nm	13.72	13 66
Benzene				<1	ns	ns	<1	<1
Toluene				<1			<1	<1
Ethylbenzene				<1			<1	<1
Xylenes				<3			<1	<1
MTBE				<1			<1	<1
Naphthalene				<5			<1	<1
Lead				**50**			na	na
DCA				<1			<1	<1
EDB				<0.02			<0.02	na
DIPE				<10			<1	<1
TAA				<100			<20	<20
TAME				<10			<10	<10
TBA				<100			<20	<20

MW-41					3/24/11	5/5/11	4/29/15	4/5/16
DTW					46.40	nm	45.71	42.96
Benzene					**81**	ns	<1	<1
Toluene					<5		<1	<1
Ethylbenzene					<5		<1	<1
Xylenes					<5		<1	<1
MTBE					**94**		<1	<1
Naphthalene					6		<1	<1
Lead					**24**		na	na
DCA					<5		<1	<1
EDB					<0.02		<0.02	na
DIPE					<10		<1	<1
TAA					<100		<20	<20
TAME					<10		<10	<10
TBA					250		<20	<20

MW-42				2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW				9.13	nm	nm	7.97	8 35
Benzene				<1	ns	ns	<1	<1
Toluene				<1			<1	<1
Ethylbenzene				<1			<1	<1
Xylenes				<3			<1	<1
MTBE				<1			<1	<1
Naphthalene				<5			<1	<1
Lead				11			na	na
DCA				<1			<1	<1
EDB				<0.02			<0.02	na
DIPE				<10			<1	<1
TAA				<100			<20	<20
TAME				<10			<10	<10
TBA				<100			<20	<20

MW-43					3/24/11	5/5/11	4/29/15	4/5/16
DTW					43 89	nm	well	well
Benzene					<5	ns	not	not
Toluene					<5		located	located
Ethylbenzene					<5			
Xylenes					<5			
MTBE					<5			
Naphthalene					<5			
Lead					12			
DCA					<5			
EDB					<0.02			
DIPE					<10			
TAA					<100			
TAME					<10			
TBA					<100			

MW-44				2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW				45 36	nm	nm	46.87	well
Benzene				<1	ns	ns	<1	not
Toluene				<1			<1	located
Ethylbenzene				<1			<1	
Xylenes				<3			<1	
MTBE				<1			1	
Naphthalene				<5			<1	
Lead				**23**			na	
DCA				<5			<1	
EDB				<0.02			<0.02	
DIPE				<10			<1	
TAA				<100			<20	
TAME				<10			<10	
TBA				<100			<20	

MW-45				2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW				46.19	nm	nm	well	well
Benzene				<1	ns	ns	not	not
Toluene				<1			located	located
Ethylbenzene				<1				
Xylenes				<3				
MTBE				1				
Naphthalene				<5				
Lead				**31**				
DCA				<5				
EDB				<0.02				
DIPE				<10				
TAA				<100				
TAME				<10				
TBA				<100				

MW-46				2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW				44.75	nm	nm	44.82	42.19
Benzene				<1	ns	ns	<1	<1
Toluene				<1			<1	<1
Ethylbenzene				<1			<1	<1
Xylenes				<3			<1	<1
MTBE				<1			<1	<1
Naphthalene				<5			<1	<1
Lead				5			na	na
DCA				<5			<1	<1
EDB				<0.02			<0 02	na
DIPE				<10			<1	<1
TAA				<100			<20	<20
TAME				<10			<10	<10
TBA				<100			<20	<20

MW-47				2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW				36.62	nm	nm	well	35 22
Benzene				<1	ns	ns	not	<1
Toluene				<1			located	<1
Ethylbenzene				<1				<1
Xylenes				<3				<1
MTBE				<1				<1
Naphthalene				<5				<1
Lead				3				na
DCA				<5				<1
EDB				<0.02				na
DIPE				<10				<1
TAA				<100				<20
TAME				<10				<10
TBA				<100				<20

MW-48				2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW				4 01	nm	nm	well	3.93
Benzene				<1	ns	ns	not	<1
Toluene				<1			located	<1
Ethylbenzene				<1				<1
Xylenes				<3				<1
MTBE				<1				<1
Naphthalene				<5				<1
Lead				**144**				na
DCA				<5				<1
EDB				<0.02				na
DIPE				<10				<1
TAA				<100				<20
TAME				<10				<10
TBA				<100				<20

DW-1		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW		47.91	nm	45.34	nm	nm	45.26	43.06
Benzene		2	ns	3	ns	ns	2	2
Toluene		1		<1			<1	<1
Ethylbenzene		<1		<1			<1	<1
Xylenes		<3		<3			<1	<1
MTBE		**47**		**330**			**63**	**79**
Naphthalene		<5		<5			<1	<1
Lead		<1		<1			na	na
DCA		<1		<1			<1	<1
EDB		<0 01		<0 02			<0.02	na
DIPE		2		<10			3	4
TAA		<20		<100			20	30
TAME		7		<10			2	3
TBA		43		<100			29	49

DW-2		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW		44.15	nm	41.68	nm	nm	41 56	39.73
Benzene		3	ns	<1	ns	ns	2	<1
Toluene		<1		<1			<1	<1
Ethylbenzene		<1		<1			<1	<1
Xylenes		<3		<3			<1	<1
MTBE		**51**		26			38	5
Naphthalene		<5		8			<1	<1
Lead		**15**		1			na	na
DCA		<1		<1			<1	<1
EDB		<0.01		<0.02			<0.02	na
DIPE		2		<10			2	<1
TAA		<20		<100			12	<20
TAME		7		<10			2	<10
TBA		15		<100			21	<20

DW-3		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW		42 12	nm	40.06	nm	nm	39.45	37.18
Benzene		7	ns	**5**	ns	ns	3	1
Toluene		2		3			3	<1
Ethylbenzene		<2		<1			<1	<1
Xylenes		<6		<3			3	<1
MTBE		**279**		**310**			**44**	17
Naphthalene		<10		<5			<1	<1
Lead		**<75**		4			na	na
DCA		3		<1			<1	<1
EDB		<0.01		<0.02			<0.02	na
DIPE		14		<10			2	<1
TAA		77		<100			**14**	4
TAME		16		<10			2	1
TBA		43		<100			22	9

DW-5			6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW			45.55	61.27	nm	nm	55.76	72.21
Benzene			2	<1	ns	ns	<1	1
Toluene			1	<1			<1	<1
Ethylbenzene			2	<1			<1	<1
Xylenes			1	<3			<1	<1
MTBE			2	<1			<1	5
Naphthalene			<5	<5			<1	<1
Lead			na	<1			na	na
DCA			<1	<1			<1	<1
EDB			<0 01	<0.02			<0.02	na
DIPE			na	<10			<1	<1
TAA			na	<100			<20	<20
TAME			na	<10			<10	<10
TBA			na	<100			5	<20

DW-6			6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW			63.39	49.98	nm	nm	49.80	42.23
Benzene			<1	<1	ns	ns	<1	<1
Toluene			<1	<1			<1	<1
Ethylbenzene			<1	<1			<1	<1
Xylenes			<3	<3			<1	<1
MTBE			<1	<1			<1	5
Naphthalene			<5	<5			<1	<1
Lead			na	14			na	na
DCA			<1	<1			<1	<1
EDB			<0 01	<0.02			<0 02	na
DIPE			na	<10			<1	<1
TAA			na	<100			<20	<20
TAME			na	<10			<10	<10
TBA			na	<100			3	<20

DW-7			6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW			113.41	46.27	nm	nm	43.77	64.10
Benzene			<1	<5	ns	ns	2	1
Toluene			<1	<1			<1	<1
Ethylbenzene			<1	<1			<1	<1
Xylenes			<3	<3			<1	<1
MTBE			<1	3			3	4
Naphthalene			<5	<5			<1	<1
Lead			na	3			na	na
DCA			<1	<1			<1	<1
EDB			<0 01	<0.02			<0.02	na
DIPE			na	<10			<1	<1
TAA			na	<100			<20	<20
TAME			na	<10			<10	<10
TBA			na	<100			3	<20

DW-9			6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW			37.64	36.34	nm	nm	36.14	33 92
Benzene			<1	<1	ns	ns	<1	<1
Toluene			<1	<1			<1	<1
Ethylbenzene			<1	<1			<1	<1
Xylenes			<3	<3			<1	<1
MTBE			1	2			<1	5
Naphthalene			<5	<5			<1	<1
Lead			na	4			na	na
DCA			<1	<1			<1	<1
EDB			<0.01	<0.02			<0.02	na
DIPE			na	<10			<1	<1
TAA			na	<100			<20	<20
TAME			na	<10			<10	<10
TBA			na	<100			<20	<20

DW-10			6/22/09	2/25/11	3/24/11	5/5/11	4/29/15	4/5/16
DTW			37.84	36.86	nm	nm	39.28	39.76
Benzene			<1	1	ns	ns	<1	<1
Toluene			<1	<1			<1	<1
Ethylbenzene			<1	<1			<1	<1
Xylenes			<3	<3			<1	<1
MTBE			1	<1			<1	5
Naphthalene			<5	<5			<1	<1
Lead			na	3			na	na
DCA			<1	<1			<1	<1
EDB			<0.01	<0 02			<0.02	na
DIPE			na	<10			<1	<1
TAA			na	<100			<20	<20
TAME			na	<10			<10	<10
TBA			na	<100			<20	<20

DW-11						5/5/11	4/29/15	4/5/16
DTW						46.10	46 10	42.90
Benzene						**13**	**14**	**44**
Toluene						<1	<1	<5
Ethylbenzene						<1	2	2
Xylenes						<3	1	<5
MTBE						**670**	**250**	**230**
Naphthalene						<5	<1	2
Lead						<1	na	na
DCA						<5	2	<5
EDB						<0.02	<0.02	na
DIPE						17	15	9
TAA						**710**	**310**	**340**
TAME						11	14	10
TBA						**1400**	700	820

RW-1							4/29/15	4/5/16
DTW							41 16	39.54
Benzene							**870**	**1100**
Toluene							**6500**	**8700**
Ethylbenzene							**1400**	**1700**
Xylenes							7100	**14000**
MTBE							**970**	**1900**
Naphthalene							**480**	**1100**
Lead							na	na
DCA							**30**	**<100**
EDB							0 01	na
DIPE							39	71
TAA							**1200**	**<2000**
TAME							63	**200**
TBA							**3500**	**<2000**

RW-2							4/29/15	4/5/16
DTW							40.85	38 94
Benzene							**1400**	**1300**
Toluene							**10000**	**12000**
Ethylbenzene							**2500**	**2400**
Xylenes							**11000**	**15000**
MTBE							**1600**	**1300**
Naphthalene							**730**	**780**
Lead							na	na
DCA							**45**	**<100**
EDB							**0.26**	na
DIPE							68	<100
TAA							**2500**	**5200**
TAME							84	**130**
TBA							**6800**	**13000**

RW-3							4/29/15	4/5/16
DTW							40.13	38.37
Benzene							**730**	**540**
Toluene							**1200**	**3900**
Ethylbenzene							**2000**	680
Xylenes							7500	7400
MTBE							**550**	**4500**
Naphthalene							**690**	**680**
Lead							na	na
DCA							**24**	**<50**
EDB							**4.60**	na
DIPE							26	110
TAA							**2900**	**11000**
TAME							45	**440**
TBA							**6600**	**48000**

RW-4							4/29/15	4/5/16
DTW							39.88	37.38
Benzene							**9**	**4**
Toluene							8	1
Ethylbenzene							<1	1
Xylenes							16	1
MTBE							**200**	38
Naphthalene							<1	<1
Lead							na	na
DCA							2	<1
EDB							**0.36**	**na**
DIPE							9	3
TAA							180	20
TAME							16	2
TBA							490	35

SW-1						5/5/11	4/29/15	4/5/16
DTW								
Benzene						<1	<1	<1
Toluene						<1	<1	<1
Ethylbenzene						<1	<1	<1
Xylenes						<3	<1	<1
MTBE						8	5	5
Naphthalene						<5	<1	<1
Lead						na	na	na
DCA						na	<1	<1
EDB						na	<0 02	na
DIPE						na	<1	<1
TAA						na	4	3
TAME						na	<10	<10
TBA						na	11	<20

SW-2						5/5/11	4/29/15	4/5/16
DTW								
Benzene						<1	<1	<1
Toluene						<1	<1	<1
Ethylbenzene						<1	<1	<1
Xylenes						<3	<1	<1
MTBE						<1	4	5
Naphthalene						<5	<1	<1
Lead						na	na	na
DCA						na	<1	<1
EDB						na	<0.02	na
DIPE						na	<1	<1
TAA						na	3	3
TAME						na	<10	<10
TBA						na	7	<20

nm- not measured
ns- not sampled
na- not analyzed
nd- not detected
FP- free-phase product

D H E C

PROMOTE PROTECT PROSPER

Catherine E. Heigel, Director

Promoting and protecting the health of the public and the environment

MR JAMES P ZUBER
LIL CRICKET FOOD STORES INC
SEVEN WHITE ASH DR
ASHEVILLE NC 28803

MAY 13 2016

UST 50 Year DOCKETING

Re: Recovery well installation and AFVR directive
Former Li'l Cricket #339, 800 North West First Street, Seneca, SC
UST Permit #07303; CA #52520; MWA #UMW-26278
Release reported April 27, 1989
Oconee County

Dear Mr. Zuber:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (Agency) recognizes your commitment to continue work at this site using Terry Environmental Services, Inc. The next appropriate remedial activity is to continue aggressive fluid and vapor recovery (AFVR) events to remove free-phase product and reduce petroleum chemicals of concern in the groundwater. To enhance the effectiveness of the event, please have your contractor install one four-inch recovery well (RW) at the location shown on the enclosed site map. The well should be screened from 30 to 50 feet. Upon completion of the well installation, a 96-hour event should be conducted on MW-19 and the new RW. The RW installation and AFVR event must be conducted in accordance with Quality Assurance Program Plan (QAPP) Revision 3.0. A copy of QAPP Revision 3.0 is available at http://www.scdhec.gov/Environment/docs/QAPPRevision3.0.pdf.

Please notify the UST Management Division prior to commencing AFVR at the site. The stinger must be advanced to a target depth of 45 feet within the first 8 hours of the event. Thereafter, the stinger should be adjusted to achieve the highest vapor recovery while maintaining dewatering of the smear zone. Off–gas treatment will be necessary.

Cost Agreement (CA) #52520 has been approved in the amount shown on the enclosed cost agreement form for the RW installation and AFVR event. The necessary well installation approval is enclosed. Please note that all applicable South Carolina certification requirements apply to the well installation and report preparation. Further, all site rehabilitation activities must be performed and submitted by a South Carolina-Certified Underground Storage Tank Site Rehabilitation Contractor.

An assessment report and invoice are due within 90 days from the date of this letter. Your contractor may directly bill the State Underground Petroleum Environmental Response Bank (SUPERB) Account. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available. 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 Agency is obtained. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be pre-approved by the Agency for the cost to be paid. The Agency 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, the Agency reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

The UST Management Division grants pre-approval for transportation of petroleum-contaminated, investigative-derived waste (IDW) from the referenced site to a permitted treatment/disposal facility. The transport and disposal must be conducted in accordance with QAPP Revision 3.0.

On all correspondence concerning this facility, please reference UST Permit #07303. If there are any questions concerning this project, feel free to contact me by telephone at (803) 898-0655, by fax at (803) 898-0673, or by e-mail at padgetjp@dhec.sc.gov.

Sincerely,

Joel P. Padgett, P.G., Geologist/Hydrologist
Corrective Action Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

JPP/jpp
07303.ar2

enc: Approved cost agreement form
Site map
Monitoring well approval

cc: Terry Environmental Services, Inc., P.O. Box 25, Summerville, SC 29484 (w/enc)
Technical file (w/enc)

D H E C

PROMOTE PROTECT PROSPER

Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

Monitoring Well Approval

Approval is hereby granted to:	Terry Environmental Services, Inc.
(On behalf of):	Li'l Cricket Food Stores
Facility:	Former Li'l Cricket #339
UST Permit Number:	07303
County:	Oconee

This approval is for the installation of one 4-inch recovery well. The well is to be installed in the approved location in accordance with the South Carolina Well Standards, R.61-71, and the Quality Assurance Program Plan (QAPP) Revision 3.0 for the Underground Storage Tank Management Division. 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 South Carolina Department of Health and Environmental Control (Agency) shall be completed and submitted to the Agency within 30 days after well completion or abandonment unless another schedule has been approved by the Agency. 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 Agency within 30 days of receipt of laboratory results unless another schedule has been approved by the Agency required by R.61-71.H.1.d.
5. If any of the information provided to the Agency changes, notification to Joel Padgett (tel: (803) 898-0655 or e-mail: padgetjp@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. Agency approval is required prior to abandonment of all monitoring wells 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 Issue: May 5, 2016 **Approval #:** UMW-26278

Joel P. Padgett, P.G., Geologist/Hydrologist
Corrective Action Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

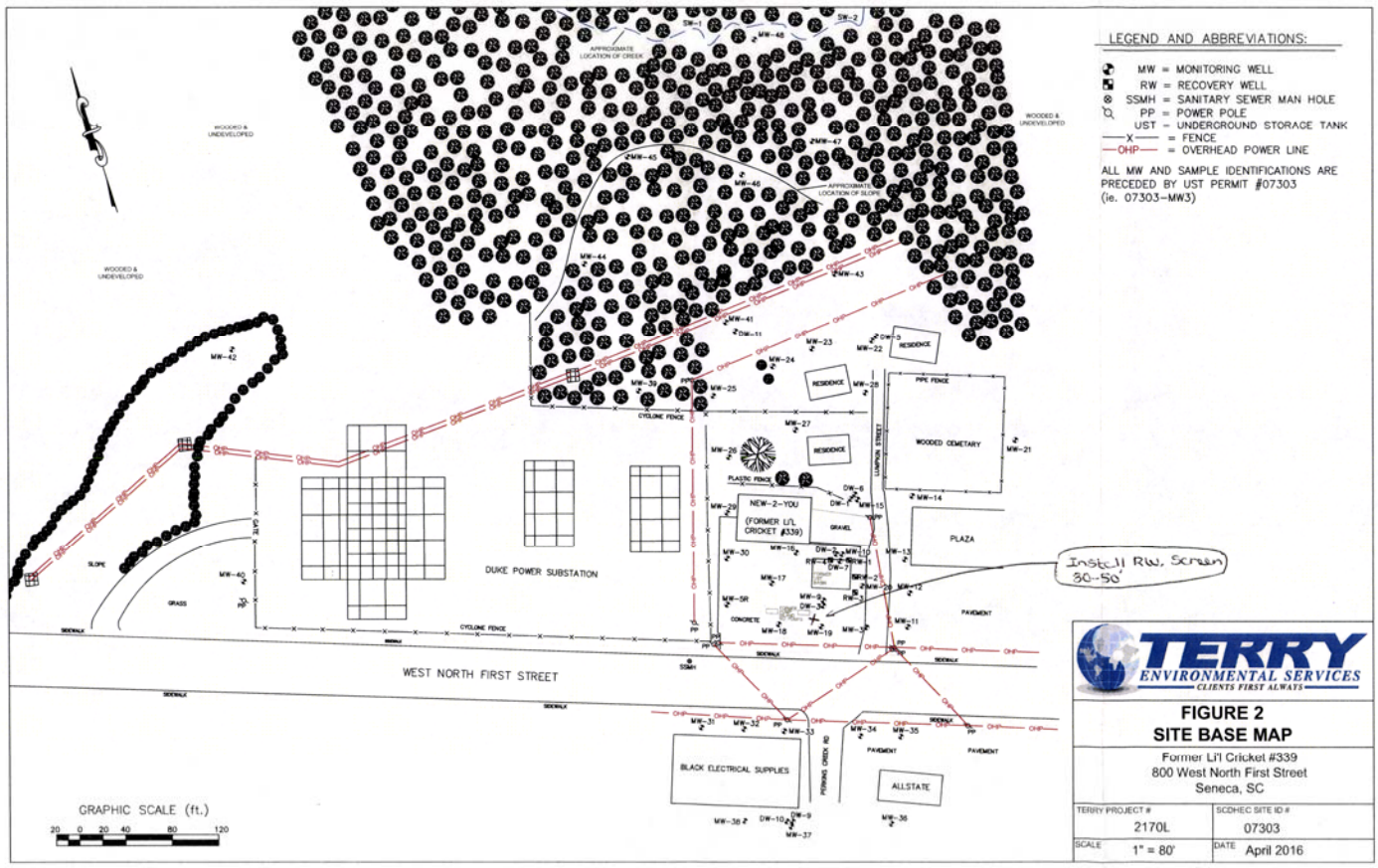
Approved Cost Agreement 52520

Facility 07303 LIL CRICKET 339

PADGETJP

PO Number

Task / Description	Categories	Item Description	Qty / Pct	Unit Price	Amount
04 MOB/DEMOB					
		A1 EQUIPMENT	1 0000	$1,020.000	1,020 00
		B1 PERSONNEL	2.0000	$423.000	846.00
09 WELL INSTALLATION					
		HH RECOVERY WELL (4 INCH DIA)	50 0000	$45.000	2,250.00
17 DISPOSAL					
		AA WASTEWATER	50.0000	$0.560	28 00
		C1 SOIL TREATMENT DISPOSAL	2.0000	$60.000	120 00
19 RPT/PROJECT MNGT & COORDINATIO					
		PRT REPORT PREPARATION	0.1200	$26,803 000	3,216 36
23 EFR					
		A4 96 HOUR EVENT	1.0000	$12,567 500	12,567.50
		C4 OFF GAS TREATMENT 96 HOUR	1.0000	$780 000	780.00
		F1 EFFLUENT DISPOSAL	20,000.0000	$0 440	8,800 00
		G AFVR EQUIPMENT MOB	1 0000	$391 500	391 50
			Total Amount		30,019 36



TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

FIGURE 2
SITE BASE MAP

Former Lil Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170L	07303
SCALE: 1" = 80'	DATE: April 2016

Document Receipt Information

☐ Hard Copy ☒ CD ☐ Email

Date Received 7-28-16

Permit Number 07303

Project Manager Joel Padgett

Name of Contractor TES

UST Certification Number

Docket Number 51 tech

Scanned

Recovery Well Installation

AFVR

RECOVERY WELL INSTALLATION AND AGGRESSIVE FLUID VAPOR RECOVERY (AFVR) EVENTS REPORT
FORMER LI'L CRICKET #339
800 WEST NORTH FIRST STREET
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
CA #52520

Prepared For:

SCDHEC UNDERGROUND STORAGE TANK PROGRAM
2600 BULL ST.
COLUMBIA, SC 29201

Submitted By:

TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. BOX 25
SUMMERVILLE, SOUTH CAROLINA 29484
(843) 873-8200
Fax (843) 873-8765
www.terryenvironmental.com

UST CONTRACTOR #UCC-0223
TERRY PROJECT #2170M

KELLY K. CONE, PG
Vice President

JASON A. TERRY, PG
President

JULY 2016

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A. INTRODUCTION

1. UST Facility and Owner/Operator Information

Facility Name (Permit #) :	Former Li'l Cricket #339 (07303)
Facility Address:	800 West North First Street, Seneca, South Carolina 29678
Facility Telephone:	n/a – Not Operating
Owner/ Operator Name:	Li'l Cricket Convenience Stores (Mr. Jim Zuber)
Owner/ Operator Address:	2010 Viburnum Lane, Asheville, NC 28803
Owner/ Operator Telephone:	910-512-9692

2. Property Owner Information

Name:	Thomas & Dorothy Glenn
Address:	800 West North First Street, Seneca, South Carolina 29678
Telephone:	864-710-8747

3. Contractor Information

Name:	Terry Environmental Services, Inc.
Address:	P.O. Box 25, Summerville, South Carolina 29484
Telephone:	843-873-8200
Certification:	UCC-0223

4. Well Driller Information

Name:	SAEDACCO
Address:	9088 Northfield Drive, Fort Mill, South Carolina 29707
Telephone:	803-548-2180
Certification:	Stefan Smith (1943-B)

5. Laboratory Information

Not Applicable

6. Site History

Date Release Reported to SCDHEC:	April 27, 1989
Estimated Quantity of Product Released:	Unknown
Cause of Release:	Unknown
Current use of Facility:	Commercial property (Consignment store)

UST #	Product	Date Installed	Currently In Use (Yes or No)	If not in use, Date Removed
1 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
2 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
3 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
4 (4,000 gal)	Kerosene	Unknown	No	2/22/2000

Other Releases at this site?	Yes	No	**XXXX**
If yes, Date Release Reported to SCDHEC	n/a		
Status of Release:	**n/a**		
No Further Action Date:	n/a		

7. Regional Geology and Hydrogeology

The Former Li'l Cricket #339 site is located in Seneca, SC which lies in the Western Piedmont Province of South Carolina approximately 20 miles to the southeast of the Brevard fault zone. The western piedmont is comprised of the Inner Piedmont block, the Smith River allochthon, and the Sauratwon Mountain window. The Inner Piedmont block encompasses the Inner Piedmont belt and the Chauga belt, and consists of a composite stack of thrust sheets containing a variety of gneisses, schists, amphibolites, sparse ultramafic bodies, and intrusive granitoids. (The Geology of the Carolinas, Horton & Zullo, 1991)

The Former Li'l Cricket #339 site is located in the Inner Piedmont Belt which consists of sillimanite-grade regional metamorphism that decreases in grade to the northwest towards Pickens. Generally, wells drilled to depths less than 250 feet in the rocks of the Inner Piedmont Belt of Pickens County yield one-half to 500 gallons per minute. The highest average yields were obtained from wells drilled in biotite granite gneiss and the lowest average yields were from wells drilled in hornblende gneiss. The average yield of all wells inventoried was 21 gallons per minute. (USGS/SCWRC Report 1: A Reconnaissance of the Water Resources of Pickens County, South Carolina, 1968)

B. RECEPTOR SURVEY & SITE DATA

1. Receptor Survey Results

A receptor survey was not conducted during this scope of work.

2. Current Site and Adjacent Land Use

Description of current site use (commercial, residential, rural, etc.):
Commercial; vacant

Description of adjacent land use (commercial, residential, rural, etc):
Commercial, residential, and Duke Power substation

UST sites within a 1,000-foot radius:
Unknown

The site is located at 800 West North First Street in Seneca, South Carolina. The site is bordered to the north by residential property, to the east by commercial property, to the south by West North First Street, and to the west by a Duke Power substation. Further to the south across West North First Street are commercial properties. The general site location is shown on the Topographic Map provided in Section J as Figure 1. A detailed Site Base Map originating from a comprehensive survey completed by Jay S. Joshi (SC Registered Land Surveyor #14811) of Construction Support Services, Inc. on October 8, 2008 is provided in Appendix 1 as Figure 2.

3. Site-Specific Geology and Hydrogeology

Based on the Tier II Assessment reported in March 2009, the general soil profile onsite consists of mostly clayey silt and sandy silt. Partially weathered rock and/or bedrock were encountered at depths ranging from approximately 28 feet to 45 feet below ground surface (bgs). The shallow aquifer was generally encountered between 40 and 47 feet bgs. During this scope of work, depth to groundwater was measured between 35 and 37 feet below top of casing in the recovery and influence wells gauged prior to the start of each event.

C. SOIL ASSESSMENT/FIELD SCREENING INFORMATION & METHODOLOGY

Not Applicable. No soil or groundwater borings were installed during this scope of work.

D. MONITORING WELL INFORMATION

1. Well Installation Details

The recovery well location was specified by the SCDHEC UST Project Manager in the Recovery Well Installation and AFVR Directive dated May 13, 2016. On June 27, 2016, one (1) four-inch recovery well (RW-5) was installed in accordance with the South Carolina Well Standards and Regulations. The well was installed by SAEDACCO using air rotary. The well Construction Log is provided in Appendix E. The soil cuttings were initially stored in 55-gallon drums onsite. The soil cuttings were properly disposed of by JBR Environmental Services on July 1, 2016. The disposal manifest is provided in Appendix G.

2. Well Development Procedures

On June 28, 2016 TERRY personnel developed the newly installed recovery well. A surge block and a clean purge pump with new, disposable tubing was utilized for developing the well. In accordance with the SCDHEC UST QAPP, Revision 3.0, development is complete once pH, specific conductance, and temperature of the groundwater have stabilized, and turbidity has either stabilized or is below 10 nephelometric turbidity units (NTUs). The Well Development Log and the calibration data are provided in Appendix E. The well development water generated was disposed of via processing through a granular-activated-carbon (GAC) unit in accordance with the NPDES General Permit No. SCG830000. The Certificate of On-Site Treatment for the contaminated development water and the by-products from cleaning and decontamination is provided in Appendix G.

3. Well Location Justification

The recovery well (RW-5) was installed to aid in the extraction of source area contaminated groundwater during AFVR Events.

E. GROUNDWATER DATA

Not Applicable. No groundwater samples were collected during this scope of work.

F. AFVR INFORMATION

1. Scope of Work

As directed by SCDHEC, a 96-hour continuous AFVR Event was performed on monitoring/recovery wells MW-19 and RW-5. The event was started by TERRY Environmental Services, Inc. on July 11, 2016 and was scheduled to complete on July 15, 2016. On July 13, 2016 the AFVR rig had a mechanical failure which limited TERRY from finishing the event as directed. The SCDHEC Project Manager was notified and the event terminated after approximately 34 hours.

2. AFVR Emissions Table

AFVR Emissions Table – Attached

Extraction Well Stinger Depth Table – Attached

3. Vacuum Data Table

Vacuum Data Table – Attached

4. Volume of Water Recovered

A total of 429 gallons of fluid were recovered during the 34-hour event conducted July 11, 2016 through July 13, 2016.

5. Volume of Product Recovered

At the completion of the event no product was detected in the recovery tank. However, the AFVR process routinely emulsifies product which can take several hours to separate.

6. Mass of Petroleum Recovered as Vapor

A total of 4.70 pounds of volatile organic vapors (approximate equivalent of 0.75 gallons of gasoline) were recovered during the course of the 34-hour event conducted July 11, 2016 through July 13, 2016. Off-gas treatment was provided during the events as directed by the SCDHEC Project Manager.

7. Free Product Thickness Table

Free Product Thickness Table – Attached

SECTION F-2A
AFVR EMISSIONS TABLE
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303

Date:	July 11-13, 2016			**Average Depth to Groundwater:**	35-37 ft.
Site Name:	Former Li'l Cricket #339			**Describe Soil in Saturated Zone:**	Weathered Rock
SCDHEC Site ID #:	07303			**Vacuum Contractor:**	TERRY Environmental Services, Inc.
Well ID #:	MW-19 & RW-5	**Blower Specification of the Vacuum Truck (CFM @ Hg):**		282 CFM @ 25" Hg	

DRY STANDARD CUBIC FEET PER MINUTE (DSCFM) CALCULATIONS (Qstd)												EMISSION CALCULATION							
		Vacuum	Velocity	Pipe Id	Temp.	Rel.Humid	PPM_{pre}	PPM_{post}	Reduction	Elapsed time	Flow	PPM_d	PPM_c	K	C_{om}	C_o	PMR_o	PMR_g	PMR_g
Date	Time	(in. Hg)	(ft/min)	(in)	(F)	(%)	(ppm)	(ppm)	(%)	(min)	(DSCFM)				(mg/dsm^3)	(lb/dscf)	(lb/hr)	(lb/hr)	(gal/hr)
7/11/2016	16:00	22.0	1,243	3	116.0	27.1	1,350	40.2	97	0	51.00	1479.78	5919.12	4	2953.41	1.844E-04	0.56	0.65	0.10
7/11/2016	16:30	22.0	1,266	3	126.0	27.3	1,263	45.7	96	30	51.06	1384.42	5537.67	4	2763.08	1.725E-04	0.53	0.61	0.10
7/11/2016	17:00	22.0	1,250	3	129.0	28.4	1,198	49.6	96	60	50.16	1313.17	5252.67	4	2620.88	1.636E-04	0.49	0.57	0.09
7/11/2016	17:30	22.0	1,281	3	130.0	28.6	1,081	38.7	96	90	51.31	1184.92	4739.68	4	2364.92	1.476E-04	0.45	0.53	0.08
7/11/2016	18:00	22.0	1,254	3	139.0	26.7	894	42.1	95	120	49.48	979.94	3919.77	4	1955.82	1.221E-04	0.36	0.42	0.07
7/11/2016	18:30	22.0	1,309	3	138.0	29.3	604	37.8	94	150	51.73	662.06	2648.26	4	1321.38	8.249E-05	0.26	0.30	0.05
7/11/2016	19:00	22.0	1,315	3	137.0	31.4	412	21.3	95	180	52.06	451.61	1806.43	4	901.34	5.627E-05	0.18	0.20	0.03
7/11/2016	19:30	22.0	1,343	3	126.0	34.7	291	30.3	90	210	54.16	318.97	1275.90	4	636.62	3.974E-05	0.13	0.15	0.02
7/11/2016	20:00	22.0	1,369	3	131.0	32.1	189	35.2	81	240	54.74	207.17	828.68	4	413.48	2.581E-05	0.08	0.10	0.02
7/11/2016	20:30	22.0	1,372	3	133.0	32.7	172	26.7	84	270	54.68	188.53	754.14	4	376.29	2.349E-05	0.08	0.09	0.01
7/11/2016	21:00	22.0	1,379	3	132.0	33.1	156	25.3	84	300	55.05	171.00	683.99	4	341.28	2.131E-05	0.07	0.08	0.01
7/11/2016	21:30	22.0	1,364	3	129.0	34.7	134	22.1	84	330	54.73	146.88	587.53	4	293.15	1.830E-05	0.06	0.07	0.01
7/11/2016	22:00	22.0	1,377	3	134.0	34.5	115	22.3	81	360	54.79	126.06	504.22	4	251.59	1.571E-05	0.05	0.06	0.01
7/11/2016	22:30	22.0	1,352	3	135.0	34.6	121	19.5	84	390	53.70	132.63	530.53	4	264.71	1.653E-05	0.05	0.06	0.01
7/11/2016	23:00	22.0	1,346	3	109.0	34.8	103	18.7	82	420	55.91	112.90	451.61	4	225.33	1.407E-05	0.05	0.05	0.01
7/11/2016	23:30	22.0	1,372	3	96.0	35.8	112	17.3	85	450	58.32	122.77	491.07	4	245.02	1.530E-05	0.05	0.06	0.01
7/11/2016	0:00	22.0	1,367	3	108.0	33.4	92.3	18.8	80	480	56.88	101.17	404.69	4	201.93	1.261E-05	0.04	0.05	0.01
7/12/2016	8:00	22.0	1,093	3	116.0	41.2	87.4	17.2	80	960	44.85	95.80	383.21	4	191.21	1.194E-05	0.03	0.04	0.01
7/12/2016	9:00	22.0	1,101	3	107.0	39.3	79.4	15.4	81	1020	45.89	87.03	348.13	4	173.70	1.084E-05	0.03	0.03	0.01
7/12/2016	10:00	22.0	1,034	3	112.0	38.2	59.8	11.4	81	1080	42.72	65.55	262.20	4	130.83	8.167E-06	0.02	0.02	0.00
7/12/2016	11:00	23.0	1,187	3	119.0	39.6	58.3	10.8	81	1140	48.45	63.90	255.62	4	127.54	7.963E-06	0.02	0.03	0.00
7/12/2016	12:00	23.0	1,023	3	124.0	41.2	52.4	10.3	80	1200	41.40	57.44	229.75	4	114.64	7.157E-06	0.02	0.02	0.00
7/12/2016	13:00	23.0	1,058	3	128.0	42.3	59.2	11.2	81	1260	42.52	64.89	259.56	4	129.51	8.085E-06	0.02	0.02	0.00
7/12/2016	14:00	23.0	1,077	3	131.0	40.7	58.7	10.9	81	1320	43.07	64.34	257.37	4	128.42	8.017E-06	0.02	0.02	0.00
7/12/2016	15:00	23.0	1,121	3	138.0	42.5	51.2	10.1	80	1380	44.30	56.12	224.49	4	112.01	6.993E-06	0.02	0.02	0.00
7/12/2016	16:00	23.0	1,213	3	141.0	44.7	49.5	9.5	81	1440	47.70	54.26	217.03	4	108.29	6.761E-06	0.02	0.02	0.00
7/12/2016	18:00	23.0	1,197	3	145.0	40.1	48.7	8.7	82	1560	46.76	53.38	213.53	4	106.54	6.651E-06	0.02	0.02	0.00
7/12/2016	20:00	23.0	1,182	3	146.0	42.3	54.9	10.0	82	1680	46.10	60.18	240.71	4	120.11	7.498E-06	0.02	0.02	0.00
7/12/2016	22:00	23.0	1,173	3	148.0	41.9	48.7	9.4	81	1800	45.59	53.38	213.53	4	106.54	6.651E-06	0.02	0.02	0.00
7/13/2016	0:00	23.0	1,176	3	147.0	41.7	48.5	8.7	82	1920	45.79	53.16	212.65	4	106.10	6.624E-06	0.02	0.02	0.00
7/13/2016	2:00	23.0	1,181	3	147.0	41.8	49.2	9.0	82	2040	45.98	53.93	215.72	4	107.64	6.720E-06	0.02	0.02	0.00
Average		22.4	1238	3.0	128.9	36.0	293	21	85		49.68	321.53	1286.11	4	641.72	4.006E-05	0.12	0.14	0.02
Bws =	0.088	Bwsw:	0.06																

Total Pounds of Carbon Recovered as Emissions: 4.06

Total Pounds of Gasoline Vapor Recovered as Emissions: 4.70

Total Gallons of Gasoline Recovered as Emissions: 0.75

(This Number Represents the Gallons Recovered via Vapors, Not Total Liquids)

AFVR Definitions and Equations

Qstd = (60 sec/min) (1- Bws) (velocity) (Pipe ID sq.ft.) [(528 oR / (Temp. + 460)] (Listed As Flow Above)

Bws = (B_{wsw} / 18 lb-mole H_2O) / [(1/28.84 lb-mole dry air) + B_{wsw} / 18 lb-mole H_2O)]

PPMd = (PPMw) / (1-Bws) PPMc = (PPM) (K)

Cc = Ccm (62.43 E -9 lb-m^3/mg-ft^3) PMRg = (PMRc) (Mg/Mcg)

Bgs = below top of casing

Bws = (B_{WSW} / 18 lb-mole H_2O) / [(1/28.84 lb-mole dry air) + B_{wsw} / 18 lb-mole H_2O)]

Qstd = (60 sec/min)(1-Bws)(V)(A)(Temp deg Rankin)

Bgs = below top of casing

Bws - water vapor % by volume

PPMpre = measured directly from Photo Ionization Detector (PID) pre-treatment

PPMpost = measured directly from PID post-treatment

Bwsw - pounds of water per pound of dry air, derived from the psychometric chart (temp Vs relative hum)

PPMw = PPM measured (wet Conc.)

K = # of carbons in calibration gas (isobutylene)

PPMc = PPMv, volumetric concentration of VOC emissions as carbon, dry basis, at STP

Ccm = mg/dsm^3, mass concentration of VOC emissions as carbon

Mc = 12.01 mg/mg-mole, molecular wt. of carbon

K_3 = 24.07 $dsm^3/10^6$ mg-mole, mass to volume conversion factor at stp

Cc = lb/dscf, mass concentration of VOC emissions as carbon, dry basis, at STP

PMRc = lb/hr, pollutant mass removal rate of VOC's as carbon

PMRg = lb/hr, pollutant mass removal rate of VOC's as gasoline

Mcg = 89 mg/mg-mole, weight of carbon in gasoline molecule

PPMd = "dry" concentration

Mg = 103 mg/mg-mole, molecular wt. of gasoline

Qstd - Flow at DSCFM

Ccm = PPMc (Mc/K_3)

PMRc = Cc (Qstd) (60 min/hr)

Reference:

North Carolina Department of Natural Resources, Division of Waste Management, Underground Storage Tank Section, Appendix B, Report Formats, April 2001.

SECTION F-2B
EXTRACTION WELL STINGER DEPTH TABLE
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
JULY 11-13, 2016

Well #	MW-19	Well #	RW-5
Elapsed Time	Stinger Depth (ft)*	Elapsed Time	Stinger Depth (ft)*
0	35.0	0	35.0
0.5	35.5	0.5	35.5
1	36.0	1	36.0
1.5	36.5	1.5	36.5
2	37.0	2	37.0
2.5	37.5	2.5	37.5
3	38.0	3	38.0
3.5	38.5	3.5	38.5
4	39.0	4	39.0
4.5	39.5	4.5	39.5
5	40.0	5	40.0
5.5	40.5	5.5	40.5
6	41.0	6	41.0
6.5	42.0	6.5	42.0
7	42.0	7	43.0
7.5	44.0	7.5	44.0
8	45.0	8	45.0
16	45.0	16	45.0
17	45.0	17	45.0
18	45.0	18	45.0
19	45.0	19	45.0
20	45.0	20	45.0
21	40.0	21	40.0
22	40.0	22	40.0
23	45.0	23	45.0
24	45.0	24	45.0
26	40.0	26	40.0
28	40.0	28	40.0
30	40.0	30	40.0
32	45.0	32	45.0
34	45.0	34	45.0

*Measured relative to the top of the well casing.

SECTION F-3
VACUUM & POTENTIOMETRIC DATA TABLE
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
JULY 11-13, 2016

Well #	MW-3		Well #	MW-9		Well #	MW-18	
Elapsed Time	Vacuum (in H2O)	Depth to Water (ft.)*	Elapsed Time	Vacuum (in H2O)	Depth to Water (ft.)*	Elapsed Time	Vacuum (in H2O)	Depth to Water (ft.)*
0	0.0	37.02	0	0.0	36.21	0	0.0	35.66
0.5	0.0	--	0.5	0.0	--	0.5	0.0	--
1	0.0	--	1	0.0	--	1	0.0	--
1.5	0.0	--	1.5	0.0	--	1.5	0.0	--
2	0.0	37.09	2	0.0	36.17	2	0.0	35.66
2.5	0.04	--	2.5	0.0	--	2.5	0.03	--
3	0.13	--	3	0.0	--	3	0.08	--
3.5	0.20	--	3.5	0.15	--	3.5	0.10	--
4	0.20	37.18	4	0.20	36.14	4	0.10	35.67
4.5	0.22	--	4.5	0.20	--	4.5	0.10	--
5	0.21	--	5	0.20	--	5	0.10	--
5.5	0.23	--	5.5	0.20	--	5.5	0.10	--
6	0.27	37.32	6	0.20	36.03	6	0.10	35.66
6.5	0.28	--	6.5	0.20	--	6.5	0.10	--
7	0.26	--	7	0.20	--	7	0.10	--
7.5	0.26	--	7.5	0.20	--	7.5	0.12	--
8	0.26	37.41	8	0.20	35.91	8	0.03	35.66
16	0.29	37.68	16	0.20	35.25	16	0.10	35.66
17	0.22	--	17	0.17	--	17	0.08	--
18	0.18	37.67	18	0.17	35.25	18	0.09	35.66
19	0.18	--	19	0.17	--	19	0.09	--
20	0.18	37.66	20	0.17	35.27	20	0.09	35.62
21	0.18	--	21	0.17	--	21	0.09	--
22	0.18	37.64	22	0.17	35.27	22	0.09	35.67
23	0.18	37.61	23	0.17	35.26	23	0.09	35.67
24	0.18	37.62	24	0.17	36.24	24	0.09	35.66
26	0.18	37.61	26	0.17	36.25	26	0.09	35.66
28	0.18	37.60	28	0.17	36.25	28	0.09	35.67
30	0.18	37.62	30	0.17	36.25	30	0.09	35.67
32	0.18	37.65	32	0.17	36.26	32	0.09	35.67
34	0.18	37.70	34	0.17	36.26	34	0.09	35.68

*Relative to top of well casing.

SECTION F-7
FREE PRODUCT THICKNESS TABLE
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
JULY 11-13, 2016

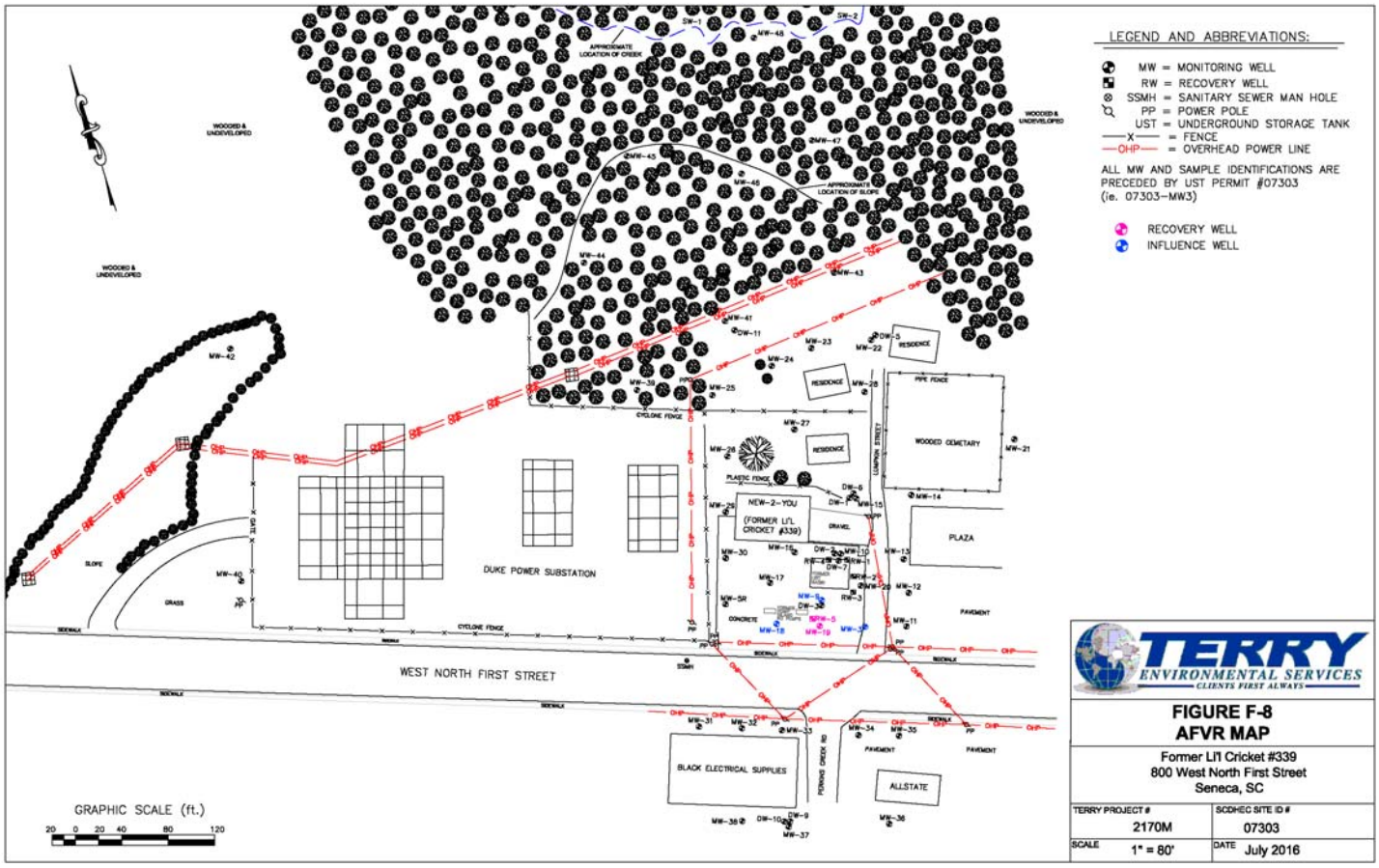
Well #	--	Depth to Product	Depth to Water	Product Thickness
MW-19	Initial	35.98	36.00	0.02
	Final	n/a	35.99	n/a
RW-5	Initial	n/a	35.49	n/a
	Final	n/a	35.56	n/a
MW-3	Initial	n/a	37.02	n/a
	Final	n/a	37.70	n/a
MW-9	Initial	n/a	36.21	n/a
	Final	n/a	36.26	n/a
MW-18	Initial	n/a	35.66	n/a
	Final	n/a	35.68	n/a

8. AFVR Event Map

Figure F-8 AFVR Map – Attached

9. Recovery Water Disposal

The disposal manifest and weigh tickets for the recovery water generated during the July 11-13, 2016 AFVR Event are included in Appendix G.



TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

FIGURE F-8
AFVR MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170M	07303
SCALE 1" = 80'	DATE July 2016

G. GRANULATED ACTIVATED CARBON INSTALLATION

Not Applicable. No granulated activated carbon units were installed during this scope of work.

H. RESULTS & DISCUSSION

1. Assessment Results

During this scope of work, TERRY installed one recovery well and conducted a subsequent 34-hour AFVR event in accordance with the SCDHEC UST QAPP, Revision 3.0. A 96-hour continuous AFVR Event was directed but due to a mechanical failure with the AFVR rig the event terminated after approximately 34 hours.

On June 27, 2016, one (1) four-inch recovery well (RW-5) was installed in the source area as directed by the SCDHEC Project Manager. Subsequently a 34-hour AFVR event was performed at the subject site July 11, 2016 through July 13, 2016. Prior to the July 2016 event, free-phase product was measured in MW-19 (0.02 feet). Upon completion of the event, no free-phase product was measured in the recovery or influence wells. A total of 4.70 pounds of gasoline vapors (approximate equivalent of 0.75 gallons of gasoline) were recovered as emissions during the event.

The AFVR event was successful at recovering contaminant mass and exposing the free product smear zone to vacuum. As such, it is recommended to conduct two additional 96-hour AFVR events on the monitoring/recovery well network in the source area.

2. Aquifer Evaluation Results

Not Applicable

3. Fate & Transport Results

Not Applicable

4. Tier 1 Risk Evaluation

Not Applicable

5. Tier 2 Risk Evaluation

Not Applicable

I. TABLES

1. Soil Analytical Data

Table 1 Soil Analytical Data - Not Applicable

2. Potentiometric Data

Table 2 Potentiometric Data - Not Applicable

3. Laboratory Data

Table 3 Groundwater Laboratory Data - Not Applicable

4. Aquifer Characteristics

Table 4 Aquifer Characteristics - Not Applicable

5. Site Conceptual Model

Table 5 Site Conceptual Model - Not Applicable

J. FIGURES

1. Topographic Map

Figure 1 Topographic Map - Attached

2. Site Base Map

Figure 2 Site Base Map - Attached

3. CoC Site Maps

Figure 3 Soil CoC Map - Not Applicable

Figure 4 Groundwater CoC Map - Not Applicable

4. Site Potentiometric Maps

Figure 5 Site Potentiometric Map – Not Applicable

5. Geologic Cross Sections

Figure 6 Geologic Cross Sections - Not Applicable

6. Predicted Migration and Attenuation of CoCs

Figure 7 Predicted Migration and Attenuation of CoCs - Not Applicable

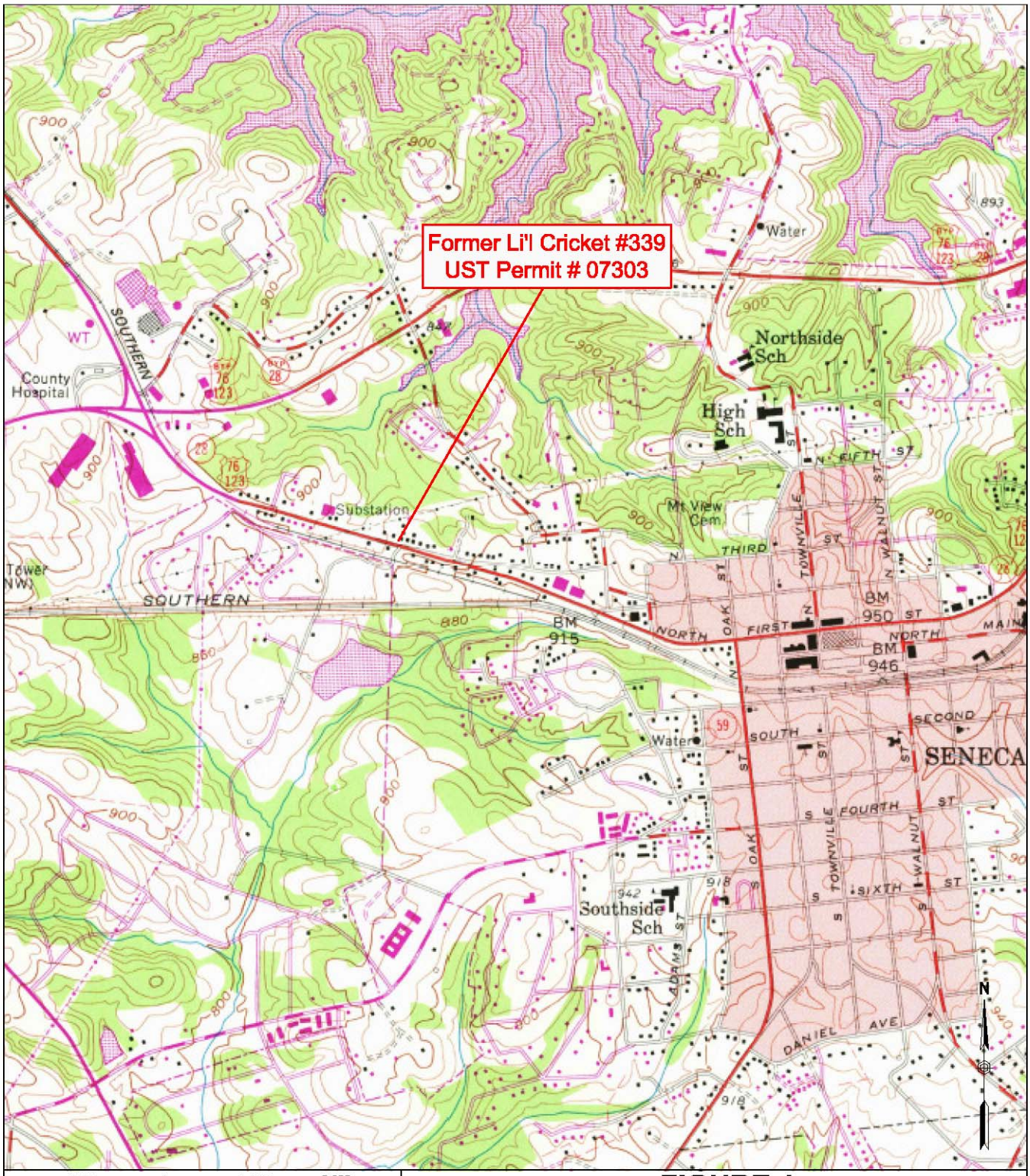


FIGURE 1
TOPOGRAPHIC MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, South Carolina

TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

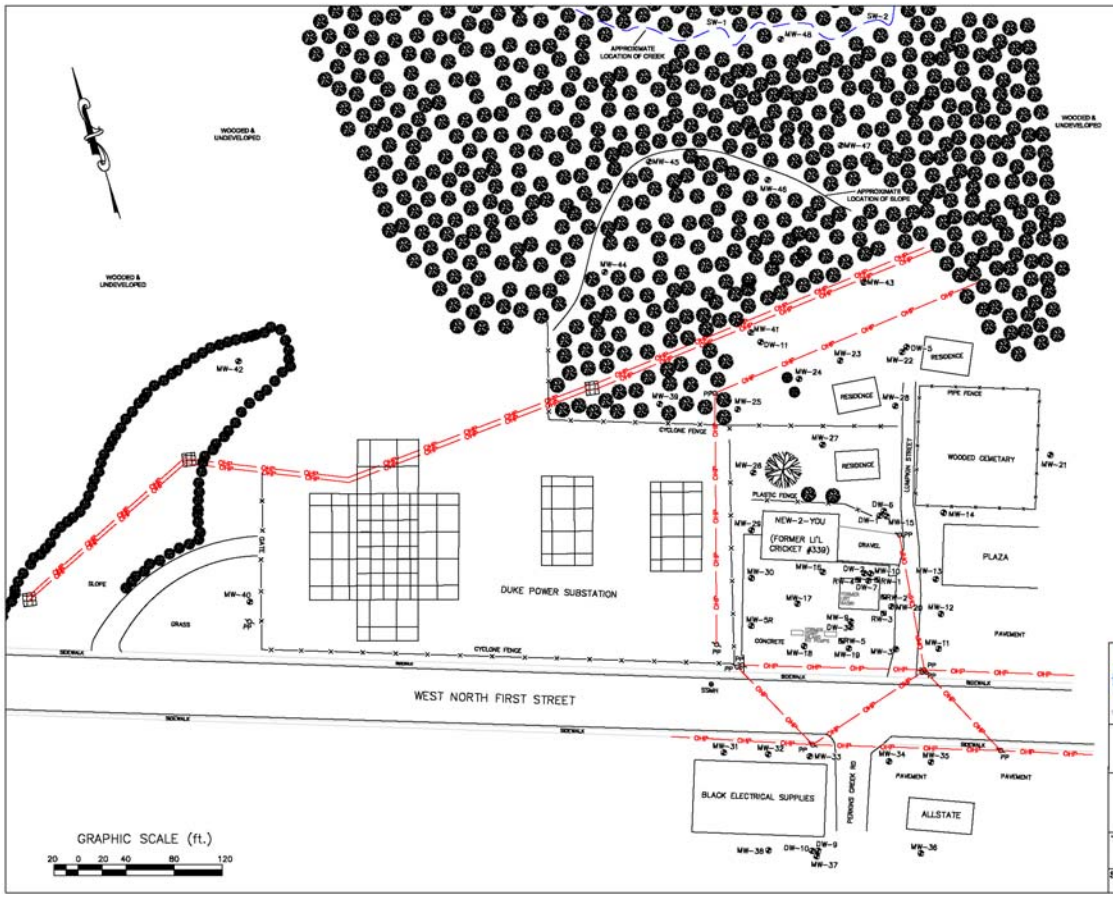
... providing our clients with the best services available, actually understanding our clients objectives, and making their obectives our own!

PO Box 25
Summerville, South Carolina 29484
(800) 325-0605 (843)-873-8200 fax: (843)-873-9765

SIZE	TERRY Project No.	DWG NO.	REV
B	2170M	Figure 1 Topo Map	

SCALE: As Shown

DATE: July 2016



TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

FIGURE 2
SITE BASE MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170M	07303
SCALE 1" = 80'	DATE July 2016

K. APPENDICES

1. Appendix A: Site Survey

Not Applicable

2. Appendix B: Sampling Logs and Laboratory Data

Not Applicable

3. Appendix C: Tax Map

Not Applicable

4. Appendix D: Soil Boring/Field Screening Logs

Not Applicable

5. Appendix E: Well Completion Logs/SCDHEC 1903 Forms

6. Appendix F: Aquifer Evaluation Forms

Not Applicable

7. Appendix G: Disposal Manifests

8. Appendix H: Local Zoning Regulations

Not Applicable

9. Appendix I: Fate and Transport Modeling Data

Not Applicable

10. Appendix J: Access Agreements

Not Applicable

11. Appendix K: Data Verification Checklist

APPENDIX A

Site Survey
(Not Applicable)

APPENDIX B

Sampling Logs and Laboratory Data
(Not Applicable)

APPENDIX C

Tax Map
(Not Applicable)

APPENDIX D

Soil Boring/Field Screening Logs
(Not Applicable)

APPENDIX E

Well Completion Logs/SCDHEC 1903 Forms

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: Li'L Cricket (first) (last)
Address: 7 White Ash Drive
City: Asheville State: NC Zip: 28803
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:** Occonee
Name: Li'l Cricket 339
Street Address: 800 W North 1st St
City: Seneca, SC Zip: 29678
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: 07303-RW5 **PUBLIC SYSTEM NUMBER:** RW5

4. ABANDONMENT: ☐ Yes ☒ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Silt	33	33
PWR	4	37
Rock	13	50
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS: 2 foot bentonite seal from 26 to 28 feet.

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☒ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER: UMW-26278

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☒ Test Well ☐ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 50 ft. Date Started: 6-27-16 Date Completed: 6-27-16

10. CASING: ☒ Threaded ☐ Welded
Diam.: 4
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
4 in. to 30 ft. depth
_____ in. to _____ ft. depth
Height: Above/(Below)
Surface _____ ft.
Weight 40 lb./ft.
Drive Shoe? ☐ Yes ☒ No

11. SCREEN:
Type: PVC Diam.: 4
Slot/Gauge: 010 Length: 20
Set Between: 30 ft. and 50 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 28 ft. to 50 ft.
Effective size 2 Uniformity Coefficient SAND

16. WELL GROUTED? ☒ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☒ Bentonite/Cement ☐ Other _____
Depth: From 1 ft. to 26 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type PETRO
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: Stefan Smith **CERT. NO.:** 1943
Address: (Print) SAEDACCO 9088 Northfield Drive
Level: A (B) C D (circle one)
Telephone No.: (803) 548-2180 Fax No.: (803) 548-2181

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: _____ Date: 7/7/2016
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004) COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

TERRY ENVIRONMENTAL SERVICES
Clients First Always™
WWW.TERRYENVIRONMENTAL.COM

WELL LOG

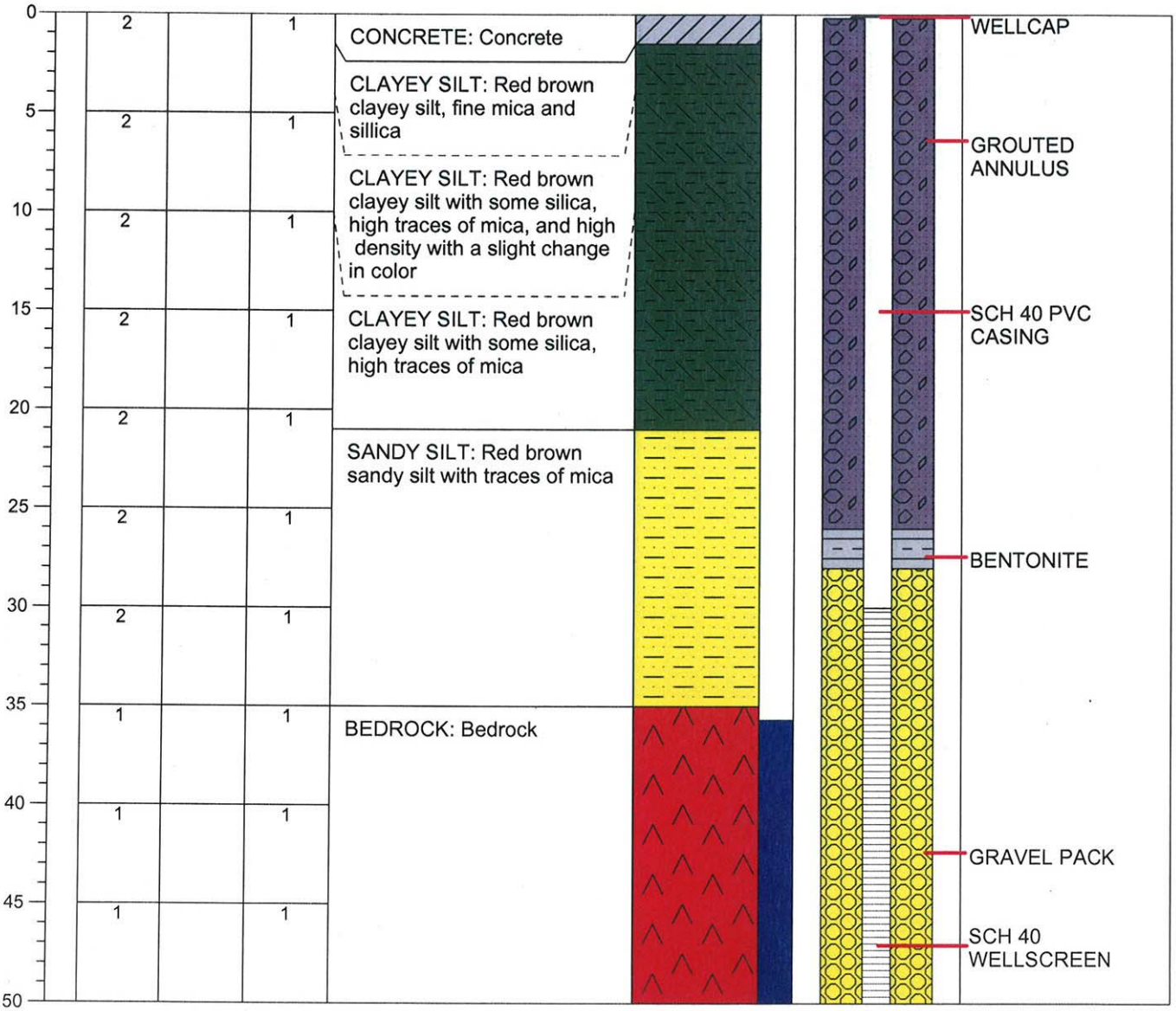
MONITORING WELL #: RW-5
TERRY PROJECT: Former Li'l Cricket #339
PROJECT LOCATION: Seneca, SC

TERRY PROJECT #: 2170M
SCDHEC SITE ID #: 07303
CLIENT: Li'l Cricket Food Stores
FIELD PERSONNEL: B. Spillane ; Lyall Plumb
START DATE: 6/27/16 FINISH DATE: 6/27/16
DRILLING COMPANY: SAEDACCO
DRILLER: Stefan
DRILLING METHOD: Air

HOLE DIAMETER: 8"
CASING DIAMETER: 4"
SCREEN DIAMETER: 4"
TOP OF CASING ELEVATION: 150.55
WATER LEVEL: 35.66 ft bgs
EASTING: 649.96657
NORTHING: 1098.4811
DEVELOPMENT: Pumping/Surging

Casing Interval 0-30 ft bgs | Bentonite Interval 26-28 ft bgs | Filter Interval 28-50 ft bgs
Screen Interval 30-50 ft bgs | Grout Interval 0-26 ft bgs | Filter Material Sand

Depth Scale	Sample Zone	Odor 1=none 2=slight 3=strong	OVA Reading	Moisture 1=dry 2=moist 3=wet	Lithology	Water Level	Well Construction
0–5		2		1	CONCRETE: Concrete		WELLCAP
5–10		2		1	CLAYEY SILT: Red brown clayey silt, fine mica and sillica		GROUTED ANNULUS
10–15		2		1	CLAYEY SILT: Red brown clayey silt with some silica, high traces of mica, and high density with a slight change in color		
15–20		2		1	CLAYEY SILT: Red brown clayey silt with some silica, high traces of mica		SCH 40 PVC CASING
20–25		2		1	SANDY SILT: Red brown sandy silt with traces of mica		
25–30		2		1			
30–35		2		1			BENTONITE
35–40		1		1	BEDROCK: Bedrock		
40–45		1		1			GRAVEL PACK
45–50		1		1			SCH 40 WELLSCREEN



Total Depth = 50 ft bgs

DHEC
PROMOTE PROTECT PROSPER

Well Development Data Verfication Form
Underground Storage Tank Management Division

Facility Name: F. Lil Cricket 339 Site ID#: 07303
Date: 6/28/16 Field Personnel: B. Spillane, L. Plumb
Drilling Company: Sadaecco / Terry Environmental Driller's Name: Spillane; Brian
Driller's Certification Number: 2167D Weather Conditions: Overcast

Well Development Method

Surge Block ⊗ Submersible Pump ⊗ Air Lifting ○

* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter		Conductivity meter		Temperature meter		Turbidity meter	
serial no.		serial no.		serial no.		serial no.	
pH=4.0		standard				NTU=0.0	
pH=7.0						NTU=1.0	
pH=10.0						NTU=10.0	

5AB029 Exp. 08/16

Drilling Method

Hollow Stem Augers ○ Solid Flight Augers ○ Direct Push ○
Air Rotary ⊗ Mud Rotary ○ Sonic ○

Monitoring Well ID# RW-5 Well Casing Diameter 4 inches Borehole Diameter 8 inches
Depth to Ground Water (DGW) 35.66 ft. Screen Length/Slot Size 20 ft./ 0.010 in.
Total Well Depth (TWD) 50.0 ft. Screen Interval 30 ft. to 50 ft.
Length of water column (LWC=TWD-DGW) 14.34 ft. Type of Drilling Fluids used: N/A
0.653 Total Gallons of Water Removed: 28.50 gals. Drilling Fluids recovered — gals.

Time (military)	0910	0913	0916	0931	0934	0949	0952
pH (s.u.)*	6.68	6.71	6.32	6.55	6.52	6.55	6.57
Specific Conductivity (mmhos/cm)*	0.432	0.413	0.409	0.377	0.372	0.370	0.370
Water Temperature (C)*	23.1	22.6	22.3	21.6	21.6	21.6	21.6
Turbidity (NTU) *	469	334	268	44.6	42.1	42.0	41.7
Physical Characteristics (color/odor)	Brown/Strong	Brown/Strong	Brown/Strong	clear/none	Clear/None	Clear/None	Clear/None
Water Level Measurement (ft) from TOC	35.66	36.80			49.62	48.51	48.86
Total Well Depth (ft) from TOC	50.0	50.0	50.0	50.0	50.0	50.0	50.0
Cumulative Gallons Removed	0.25 gals	4.75 gals	9.50 gals	14.25 gals	19.0 gals	23.75 gals	28.50 gals

* Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are ± 10%.

Detailed description of Well Development process: Prior to purging a surge block was repeatedly dropped to the bottom of the well in an effort to flush out screen and filter pack. 2 Casing volumes were then pumped out with submersible pump while recording water quality measurements, the surge block was dropped several times again and then pumped again

Driller Signature: [signature] Date: 6/28/16

DHEC 2099 (04/2015)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

APPENDIX F

Aquifer Evaluation Forms
(Not Applicable)

APPENDIX G

Disposal Manifests

TERRY Environmental Services, Inc.

Certificate of On-Site Treatment

In accordance with NPDES General Permit No. SCG830000, 28.5 gallons of well development water were processed on-site via a portable granular activated carbon (GAC) unit and released to the surface within the area of the known petroleum contamination plume June 28, 2016.

Former Li'l Cricket #339

Seneca, South Carolina

SCDHEC UST Permit No.: 07303

TERRY Environmental Services
CLIENTS FIRST ALWAYS

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number: Terry Environmental Services	2. Page 1 of: 1	3. Job Number: D-06294849	4. Waste Tracking Number:

GENERATOR

5. Generator's Name and Mailing Address
Li'l Cricket Convenience Stores
PO Box 4551, Spartanburg, SC 29305
Generator's Phone:

Generator's Site Address (if different than mailing address)
Former Li'l Cricket #339
800 West North First Street, Seneca, SC 29678

6. Transporter 1 Company Name: **JBR Environmental Services** (864) 583-2717 — U.S. EPA ID Number: **SCR000004358**

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
JBR Environmental Services
210 Alice St.
Spartanburg, SC 29303 (864) 583-2717
Facility's Phone:

B.T.# 24 — U.S. EPA ID Number: SCR000004358 — 19,440-P

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total	12. Unit	
1	**Non-DOT /Non-RCRA Regulated Material (Soil Cuttings)**	5 Ec	DM	4900	P	16240 3200 LBS
2						1.60 TON
3						
4						

13. Special Handling Instructions and Additional Information
1) Profile #TE-124528

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: K K Cone as agent for Li'l Cricket — Signature: K K Cone as agent — Month 6 Day 30 Year 16

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit:
Transporter Signature (for exports only): — Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Tim Chumley — Signature: T- Chly — Month 7 Day 1 Year 16

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number:

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator Certification of receipt of materials covered by the manifest except as noted in item 17a

Printed/Typed Name: Scott Edel — Signature — Month 7 Day 1 Year 16

JBR Revision 4/13

US Water Recovery

Non-Hazardous Manifest: Waste Water or Drums

Number:

1. Generator's EPA ID# (if applicable): Waste ID Number:

2. Generator's Name and Mailing Address: Phone ( )

Seneca

P O #:

3. Agent of Generator and Mailing Address: Phone ( )

Terry Env.

P O #:

4. Transporter Company Name: Phone ( )

Goodsell Transport

Truck & Trailer License Number:

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address:
US Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Mailing Address:
US Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Phone: (843) 797-3111
Fax: (843) 797-1884

7 Facility U.S. EPA ID#:

Start Level: End Level: Total Gallons: Tank Number

8. U.S. DOT Description	Container No.	Container Type	Unit	Quantity
a. Non-Hazardous, non-regulated waste water	10	VT	Gal	~~1200~~ 429

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: Todd Brown Signature: Todd Brown Date: 7-14-16

10. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Todd Brown Signature: Todd Brown Date: 7-14-16

11. Discrepancy Indication space:

12. Facility Owner or Operator: Certification of Receipt of Materials

Printed/Typed Name: Signature: Date: 7-14-16

White - Facility Yellow - Office Pink - Transporter Blue - Generator

14451

91547410
TICKET NUMBER

CERTIFIED
AUTOMATED
TRUCK
SCALE

CAT SCALE COMPANY
P.O. BOX 630
WALCOTT, IA 52773
(563) 284-6263
www.catscale.com

THE CAT SCALE GUARANTEE

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.®

WEIGH WHAT WE SAY OR WE PAY®

If you get an overweight fine from the state **AFTER** one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

(1) Reimburse you for the cost of the overweight fine if our scale is wrong, **OR**
(2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

WEIGHMYTRUCK.CO
WEIGH USIN
YOU
PHONE

IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:

1) Post bond and request a court date.
2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE, ext. 7 (Toll Free) or visit www.catscaleguarantee.com for instructions.
3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

* The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

DATE: 7-14-2016

1702 **SCALE**
915474 **LOCATION:**
PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT & MEASURE

254
KANGAROO EXPRESS
I 26 EXIT 199B
SUMMERVILLE SC

STEER AXLE	10340 lb
DRIVE AXLE	16300 lb
TRAILER AXLE	13020 lb
* GROSS WEIGHT	39660 lb

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law

IMPRINT SEAL HERE (IF APPLICABLE)

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED: FREIGHT ALL KINDS

COMPANY: GOODSELL TRACTOR #: 05 TRAILER #: 105

WEIGH NUMBER 7407

FEE $2.00

WEIGHMASTER OR WEIGHER SIGNATURE: TINA

FULL WEIGH TICKET # (IF REWEIGH): 9154740

CUSTOMER COPY

© CAT Scale® Reg 3005 07/15

91547407
TICKET NUMBER

THE CAT SCALE GUARANTEE

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.®

WEIGH WHAT WE SAY OR WE PAY®

If you get an overweight fine from the state **AFTER** one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

(1) Reimburse you for the cost of the overweight fine if our scale is wrong. **OR**
(2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

WEIGHMYTRUCK.COM
WEIGH USING
YOUR
PHONE

IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:

1) Post bond and request a court date.
2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE, ext. 7 (Toll Free) or visit www.catscaleguarantee.com for instructions.
3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

CERTIFIED AUTOMATED TRUCK SCALE

CAT SCALE COMPANY
P.O. BOX 630
WALCOTT, IA 52773
(563) 284-6263
www.catscale.com

PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT & MEASURE

* The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

DATE: 7-14-2016

SCALE LOCATION: 254
KANGAROO EXPRESS
I 26 EXIT 199B
SUMMERVILLE SC

STEER AXLE	10380 lb
DRIVE AXLE	17860 lb
TRAILER AXLE	15000 lb
* GROSS WEIGHT	43240 lb

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law.

IMPRINT SEAL HERE (IF APPLICABLE)

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED: FREIGHT ALL KINDS

COMPANY: GOODSELL

TRACTOR #: 05 TRAILER #: 105

WEIGH NUMBER 7407

FEE: $10.50

WEIGHMASTER OR WEIGHER SIGNATURE: SHAKEENYA

FULL WEIGH TICKET # (IF REWEIGH)

CUSTOMER COPY

© CAT Scale® Reg 3065 07/18

APPENDIX H

Local Zoning Regulations
(Not Applicable)

APPENDIX I

Fate and Transport Modeling Data
(Not Applicable)

APPENDIX J

Access Agreements
(Not Applicable)

APPENDIX K

Data Verification Checklist

Contractor Checklist – Former Li'l Cricket #339

UST Permit #07303 - TERRY Project #2170M

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?	X		
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?			X
7	Has the facility history been summarized?	X		
8	Has the regional geology and hydrogeology been described?	X		
9	Are the receptor survey results provided as required?			X
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?	X		
12	Has the primary soil type been described?	X		Sect 3
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?	X		
17	Has the method of well development been detailed?	X		
18	Has justification been provided for the locations of the monitoring wells?	X		
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	X		
20	Has the groundwater sampling methodology been detailed?			X
21	Have the groundwater sampling dates and groundwater measurements been provided?			X
22	Has the purging methodology been detailed?			X
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?			X
24	If free-product is present, has the thickness been provided?	X		
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)			X
34	Has the current and historical laboratory data been provided in tabular format?			X

Item #	Item	Yes	No	N/A
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			X
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)			X
40	Has the site potentiometric map been provided? (Figure 5)			X
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)			X
45	Is the laboratory performing the analyses properly certified?			X
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)	X		
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			X
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	X		

Explanation for missing and incomplete information?

Not Applicable for the current directive.

dhec
Healthy People Healthy Communities

AUG 0 5 2016

UST 52 tech DOCKETING

MR JAMES P ZUBER
LIL CRICKET FOOD STORES INC
SEVEN WHITE ASH DR
ASHEVILLE NC 28803

Re: Aggressive fluid and vapor recovery (AFVR) directive
Former Li'l Cricket #339, 800 North West First Street, Seneca, SC
UST Permit #07303; CA #53040
Release reported April 27, 1989
Oconee County

Dear Mr. Zuber:

On behalf of the South Carolina Department of Health and Environmental Control (DHEC), the Underground Storage Tank (UST) Management Division recognizes your commitment to continue work at this site using Terry Environmental Services, Inc. The next appropriate remedial activity is to continue aggressive fluid and vapor recovery (AFVR) to reduce ground-water concentrations of chemicals of concern (CoC). Please have your contractor conduct one 96- hour AFVR event on monitoring/recovery wells MW-19 and RW-5. The event must be conducted in accordance with the UST Quality Assurance Program Plan (QAPP) Revision 3.0. A copy of QAPP Revision 3.0 is available at http://www.scdhec.gov/Environment/docs/QAPPRevision3.0.pdf.

Please notify the UST Management Division prior to commencing AFVR at the site. The stingers must be advanced to a target depth of 45 feet within the first 8 hours of the event. Thereafter, the stingers should be adjusted to achieve the highest vapor recovery while maintaining dewatering of the smear zone. Off-gas treatment will be necessary.

Cost Agreement (CA) #53040 has been approved in the amount shown on the enclosed cost agreement form for the AFVR event. Please note that all applicable South Carolina certification requirements apply to the report preparation. Further, all site rehabilitation activities must be performed and submitted by a South Carolina-Certified Underground Storage Tank Site Rehabilitation Contractor.

An AFVR report and invoice are due within 90 days from the date of this letter. Your contractor may directly bill the State Underground Petroleum Environmental Response Bank (SUPERB) Account. Interim invoices may not be submitted for this scope of work. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

Sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that no costs will be allowed unless prior approval from DHEC is obtained. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be pre-approved by DHEC.

in order for the costs to be paid. DHEC 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, DHEC reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

The UST Management Division grants pre-approval for transportation of petroleum-contaminated, investigative-derived waste (IDW) from the referenced site to a permitted treatment/disposal facility. The transport and disposal must be conducted in accordance with QAPP Revision 3.0.

On all correspondence concerning this facility, please reference UST Permit #07303. If there are any questions concerning this project, feel free to contact me by telephone at (803) 898-0655, by fax at (803) 898-0673, or by e-mail at padgetjp@dhec.sc.gov.

Sincerely,

Joel P. Padgett, P.G., Geologist/Hydrologist
Corrective Action Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

JPP/jpp
07303.afvr4

enc: Approved cost agreement form

cc: Terry Environmental Services, Inc., P.O. Box 25, Summerville, SC 29484 (w/enc)
✓Technical file (w/enc)

Approved Cost Agreement 53040

Facility: 07303 LIL CRICKET 339

PADGETJP

PO Number:

Task / Description	Categories	Item Description	Qty / Pct	Unit Price	Amount
19 RPT/PROJECT MNGT & COORDINATIO					
		PRT REPORT PREPARATION	0.1200	$22,742.250	2,729.07
23 EFR					
		A4 96 HOUR EVENT	1.0000	$12,567.500	12,567.50
		C4 OFF GAS TREATMENT 96 HOUR	1.0000	$780.000	780 00
		D SITE RECONNAISSANCE	1.0000	$203.250	203.25
		F1 EFFLUENT DISPOSAL	20,000.0000	$0.440	8,800.00
		G AFVR EQUIPMENT MOB	1.0000	$391.500	391.50
			Total Amount		25,471.32

Document Receipt Information

☐ Hard Copy ☒ CD ☐ Email

Date Received 9-6-16

Permit Number 07303

Project Manager Joel Padgett

Name of Contractor TES

UST Certification Number _____

Docket Number 53466

Scanned _____

AFVR

AGGRESSIVE FLUID VAPOR RECOVERY (AFVR) EVENT REPORT
FORMER LI'L CRICKET #339
800 WEST NORTH FIRST STREET
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
CA #53040

Prepared For:

SCDHEC UNDERGROUND STORAGE TANK PROGRAM
2600 BULL ST.
COLUMBIA, SC 29201

Submitted By:

TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. BOX 25
SUMMERVILLE, SOUTH CAROLINA 29484
(843) 873-8200
Fax (843) 873-8765
www.terryenvironmental.com

UST CONTRACTOR #UCC-0223
TERRY PROJECT #2170N

KELLY K. CONE, PG
Vice President

JASON A. TERRY, PG
President

KELLY K. CONE REGISTERED No. 2509 SOUTH CAROLINA PROFESSIONAL GEOLOGIST

AUGUST 2016

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A. INTRODUCTION

1. UST Facility and Owner/Operator Information

Facility Name (Permit #) :	Former Li'l Cricket #339 (07303)
Facility Address:	800 West North First Street, Seneca, South Carolina 29678
Facility Telephone:	n/a – Not Operating
Owner/ Operator Name:	Li'l Cricket Convenience Stores (Mr. Jim Zuber)
Owner/ Operator Address:	2010 Viburnum Lane, Asheville, NC 28803
Owner/ Operator Telephone:	910-512-9692

2. Property Owner Information

Name:	Thomas & Dorothy Glenn
Address:	800 West North First Street, Seneca, South Carolina 29678
Telephone:	864-710-8747

3. Contractor Information

Name:	Terry Environmental Services, Inc.
Address:	P.O. Box 25, Summerville, South Carolina 29484
Telephone:	843-873-8200
Certification:	UCC-0223

4. Well Driller Information

Not Applicable

5. Laboratory Information

Not Applicable

6. Site History

Date Release Reported to SCDHEC:	April 27, 1989
Estimated Quantity of Product Released:	Unknown
Cause of Release:	Unknown
Current use of Facility:	Commercial property (Consignment store)

UST #	Product	Date Installed	Currently In Use (Yes or No)	If not in use, Date Removed
1 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
2 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
3 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
4 (4,000 gal)	Kerosene	Unknown	No	2/22/2000

Other Releases at this site?	Yes	No	**XXXX**
If yes, Date Release Reported to SCDHEC	n/a		
Status of Release:	**n/a**		
No Further Action Date:	n/a		

7. Regional Geology and Hydrogeology

The Former Li'l Cricket #339 site is located in Seneca, SC which lies in the Western Piedmont Province of South Carolina approximately 20 miles to the southeast of the Brevard fault zone. The western piedmont is comprised of the Inner Piedmont block, the Smith River allochthon, and the Sauratwon Mountain window. The Inner Piedmont block encompasses the Inner Piedmont belt and the Chauga belt, and consists of a composite stack of thrust sheets containing a variety of gneisses, schists, amphibolites, sparse ultramafic bodies, and intrusive granitoids. (The Geology of the Carolinas, Horton & Zullo, 1991)

The Former Li'l Cricket #339 site is located in the Inner Piedmont Belt which consists of sillimanite-grade regional metamorphism that decreases in grade to the northwest towards Pickens. Generally, wells drilled to depths less than 250 feet in the rocks of the Inner Piedmont Belt of Pickens County yield one-half to 500 gallons per minute. The highest average yields were obtained from wells drilled in biotite granite gneiss and the lowest average yields were from wells drilled in hornblende gneiss. The average yield of all wells inventoried was 21 gallons per minute. (USGS/SCWRC Report 1: A Reconnaissance of the Water Resources of Pickens County, South Carolina, 1968)

B. RECEPTOR SURVEY & SITE DATA

1. Receptor Survey Results

A receptor survey was not conducted during this scope of work.

2. Current Site and Adjacent Land Use

Description of current site use (commercial, residential, rural, etc.):
Commercial

Description of adjacent land use (commercial, residential, rural, etc):
Commercial, residential, and Duke Power substation

UST sites within a 1,000-foot radius:
Unknown

The site is located at 800 West North First Street in Seneca, South Carolina. The site is bordered to the north by residential property, to the east by commercial property, to the south by West North First Street, and to the west by a Duke Power substation. Further to the south across West North First Street are commercial properties. The general site location is shown on the Topographic Map provided in Section J as Figure 1. A detailed Site Base Map originating from a comprehensive survey completed by Jay S. Joshi (SC Registered Land Surveyor #14811) of Construction Support Services, Inc. on October 8, 2008 is provided in Appendix 1 as Figure 2.

3. Site-Specific Geology and Hydrogeology

Based on the Tier II Assessment reported in March 2009, the general soil profile onsite consists of mostly clayey silt and sandy silt. Partially weathered rock and/or bedrock were encountered at depths ranging from approximately 28 feet to 45 feet below ground surface (bgs). The shallow aquifer was generally encountered between 40 and 47 feet bgs. During this scope of work, depth to groundwater was measured between 36 and 39 feet below top of casing in the recovery and influence wells gauged prior to the start of the event.

C. SOIL ASSESSMENT/FIELD SCREENING INFORMATION & METHODOLOGY

Not Applicable. No soil or groundwater borings were installed during this scope of work.

D. MONITORING WELL INFORMATION

Not Applicable. No monitoring wells were installed during this scope of work.

E. GROUNDWATER DATA

Not Applicable. No soil or groundwater borings were installed during this scope of work.

F. AFVR INFORMATION

1. Scope of Work

As directed by SCDHEC, a 96-hour continuous AFVR Event was performed on monitoring/recovery wells MW-19 and RW-5. Between August 15, 2016 and August 19, 2016 TERRY Environmental Services, Inc. performed one 96-hour AFVR event.

2. AFVR Emissions Table

AFVR Emissions Table – Attached

Extraction Well Stinger Depth Table – Attached

3. Vacuum Data Table

Vacuum and Potentiometric Data Table – Attached

4. Volume of Water Recovered

A total of 399 gallons of fluid were recovered during the 96-hour event conducted August 15, 2016 through August 19, 2016.

5. Volume of Product Recovered

At the completion of the event no product was detected in the recovery tank. However, the AFVR process routinely emulsifies product which can take several hours to separate.

6. Mass of Petroleum Recovered as Vapor

A total of 103.23 pounds of volatile organic vapors (approximate equivalent of 16.52 gallons of gasoline) were recovered during the course of the 96-hour event conducted August 15, 2016 through August 19, 2016. Off-gas treatment was provided during the events as directed by the SCDHEC Project Manager.

7. Free Product Thickness Table

Free Product Thickness Table – Attached

SECTION F-2A
AFVR EMISSIONS TABLE
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303

Date:	August 15-19, 2016	**Average Depth to Groundwater:**	36-39 ft.
Site Name:	Former Li'l Cricket #339	**Describe Soil In Saturated Zone:**	Weathered Rock
SCDHEC Site ID #:	07303	**Vacuum Contractor:**	TERRY Environmental Services, Inc.
Well ID #:	MW-19 & RW-5	**Blower Specification of the Vacuum Truck (CFM @ Hg):**	282 CFM @ 25" Hg

DRY STANDARD CUBIC FEET PER MINUTE (DSCFM) CALCULATIONS (Qstd) | **EMISSION CALCULATION**

Date	Time	Vacuum (in. Hg)	Velocity (ft/min)	Pipe Id (in)	Temp. (F)	Rel.Humid (%)	PPM_{inf} (ppm)	PPM_{final} (ppm)	Reduction (%)	Elapsed time (min)	Flow (DSCFM)	PPM_i	PPM_f	K	C_{inf} (mg/dsm^3)	C_f (lb/dscf)	PMR_i (lb/hr)	PMR_f (lb/hr)	PMR_t (gal/hr)
8/15/2016	15:00	15.0	1,312	3	138.6	21.7	1,431	87.9	94	0	51.80	1568.57	6274.27	4	3130.62	1.954E-04	0.61	0.70	0.11
8/15/2016	15:30	15.0	1,858	3	141.2	22.6	1,256	88.6	93	30	73.04	1376.74	5506.97	4	2747.77	1.715E-04	0.75	0.87	0.14
8/15/2016	16:00	15.0	1,723	3	153.4	23.4	1,487	83.1	94	60	66.38	1629.95	6519.80	4	3253.13	2.031E-04	0.81	0.94	0.15
8/15/2016	16:30	15.0	1,946	3	157.2	23.9	1,562	75.4	95	90	74.51	1712.16	6848.64	4	3417.21	2.133E-04	0.95	1.10	0.18
8/15/2016	17:00	15.0	2,385	3	155.6	23.2	1,665	79.5	95	120	91.56	1825.06	7300.25	4	3642.54	2.274E-04	1.25	1.45	0.23
8/15/2016	17:30	16.0	2,297	3	155.6	20.3	1,258	98.6	92	150	88.18	1378.94	5515.74	4	2752.14	1.718E-04	0.91	1.05	0.17
8/15/2016	18:00	16.0	2,261	3	155.6	19.2	1,360	109	92	180	86.80	1490.74	5962.97	4	2975.29	1.857E-04	0.97	1.12	0.18
8/15/2016	18:30	16.0	2,032	3	159.4	28.7	1,392	155	89	210	77.53	1525.82	6103.27	4	3045.30	1.901E-04	0.88	1.02	0.16
8/15/2016	19:00	17.0	1,764	3	143.1	30.8	1,475	162	89	240	69.12	1616.80	6467.19	4	3226.88	2.015E-04	0.84	0.97	0.15
8/15/2016	19:30	17.0	1,879	3	140.5	42.9	1,537	297	81	270	73.95	1684.76	6739.03	4	3362.52	2.099E-04	0.93	1.08	0.17
8/15/2016	20:00	17.0	1,812	3	142.9	40.3	1,610	318	80	300	71.03	1764.77	7059.10	4	3522.22	2.199E-04	0.94	1.08	0.17
8/15/2016	20:30	18.0	1,721	3	148.7	41.2	1,549	302	81	330	66.82	1697.91	6791.64	4	3388.77	2.116E-04	0.85	0.98	0.16
8/15/2016	21:00	18.0	1,888	3	148.6	39.9	1,588	315	80	360	73.31	1740.66	6962.64	4	3474.09	2.169E-04	0.95	1.10	0.18
8/15/2016	21:30	19.0	1,810	3	151.2	38.7	1,617	293	82	390	69.99	1772.45	7089.79	4	3537.53	2.208E-04	0.93	1.07	0.17
8/15/2016	22:00	18.0	1,727	3	150.1	40.2	1,602	302	81	420	66.90	1756.01	7024.02	4	3504.72	2.188E-04	0.88	1.02	0.16
8/15/2016	22:30	17.0	1,739	3	147.0	43.1	1,574	271	83	450	67.71	1725.31	6901.26	4	3443.46	2.150E-04	0.87	1.01	0.16
8/15/2016	23:00	17.0	1,809	3	145.3	45.3	1,578	285	82	480	70.63	1729.70	6918.79	4	3452.21	2.155E-04	0.91	1.06	0.17
8/16/2016	0:00	17.0	1,763	3	146.4	44.7	1,583	301	81	540	68.71	1746.14	6984.56	4	3485.03	2.176E-04	0.90	1.04	0.17
8/16/2016	8:00	17.0	1,710	3	142.8	43.1	1,612	313	81	1020	67.04	1766.97	7067.87	4	3526.59	2.202E-04	0.89	1.02	0.16
8/16/2016	9:00	16.0	1,896	3	137.4	40.8	1,673	321	81	1080	75.01	1833.83	7335.33	4	3660.04	2.285E-04	1.03	1.19	0.19
8/16/2016	10:00	15.0	1,734	3	140.7	42.1	1,820	315	83	1140	68.22	1994.96	7979.85	4	3981.64	2.486E-04	1.02	1.18	0.19
8/16/2016	11:00	15.0	1,637	3	143.2	33.0	1,695	326	83	1200	64.14	2077.17	8308.69	4	4145.72	2.588E-04	1.00	1.15	0.18
8/16/2016	12:00	25.0	1,582	3	136.1	45.6	2,175	392	82	1260	62.72	2384.09	9536.36	4	4758.28	2.971E-04	1.12	1.29	0.21
8/16/2016	13:00	25.0	1,873	3	143.2	47.4	2,286	411	82	1320	73.38	2505.75	10023.04	4	5001.11	3.122E-04	1.37	1.59	0.25
8/16/2016	14:00	25.0	1,651	3	145.4	56.3	2,193	402	82	1380	64.45	2403.82	9615.28	4	4797.65	2.995E-04	1.16	1.34	0.21
8/16/2016	15:00	25.0	1,575	3	138.5	64.5	2,007	386	81	1440	62.19	2199.94	8799.76	4	4390.74	2.741E-04	1.02	1.18	0.19
8/16/2016	17:00	17.0	1,613	3	151.6	32.4	1,942	331	83	1560	62.33	2128.69	8514.77	4	4248.54	2.652E-04	0.99	1.15	0.18
8/16/2016	19:00	17.0	1,718	3	155.3	27.2	1,814	275	85	1680	65.99	1988.39	7953.54	4	3968.51	2.478E-04	0.98	1.13	0.18
8/16/2016	21:00	18.0	1,881	3	153.0	25.8	1,790	251	86	1800	72.52	1962.08	7848.32	4	3916.01	2.445E-04	1.06	1.23	0.20
8/16/2016	23:00	18.0	1,834	3	153.3	24.1	1,744	293	83	1920	70.67	1911.66	7646.63	4	3815.37	2.382E-04	1.01	1.17	0.19
8/17/2016	0:00	17.0	1,859	3	152.9	26.3	1,801	304	83	1980	71.68	1974.14	7896.55	4	3940.07	2.460E-04	1.06	1.22	0.20
8/17/2016	8:00	15.0	1,726	3	153.6	26.2	1,906	352	82	2460	66.48	2089.23	8356.92	4	4169.78	2.603E-04	1.04	1.20	0.19
8/17/2016	10:00	15.0	1,883	3	153.8	26.2	1,814	315	83	2580	72.50	1988.39	7953.54	4	3968.51	2.478E-04	1.08	1.25	0.20
8/17/2016	12:00	17.0	1,849	3	155.3	32.5	1,872	320	83	2700	63.34	2051.96	8207.85	4	4095.40	2.557E-04	0.97	1.12	0.18
8/17/2016	14:00	17.0	1,609	3	155.0	30.1	1,792	317	82	2820	61.83	1964.27	7857.09	4	3920.38	2.447E-04	0.91	1.05	0.17
8/17/2016	16:00	17.0	1,822	3	155.0	28.2	1,833	317	83	2940	70.02	2009.21	8036.85	4	4010.08	2.503E-04	1.06	1.22	0.19
8/17/2016	18:00	17.0	1,794	3	154.8	26.7	1,851	330	82	3060	68.96	2028.94	8115.77	4	4049.46	2.528E-04	1.06	1.21	0.19
8/17/2016	20:00	17.0	1,851	3	155.0	24.8	1,886	342	82	3180	71.13	2067.31	8269.23	4	4126.03	2.576E-04	1.10	1.27	0.20
8/17/2016	22:00	17.0	1,750	3	155.0	24.5	1,864	328	82	3300	67.25	2043.19	8172.77	4	4077.90	2.546E-04	1.03	1.19	0.19
8/18/2016	0:00	17.0	1,703	3	153.8	22.1	1,803	319	82	3420	65.57	1976.33	7905.31	4	3944.45	2.463E-04	0.97	1.12	0.18
8/18/2016	8:00	16.0	1,788	3	151.6	23.8	1,716	287	83	3900	69.09	1880.97	7523.86	4	3754.12	2.344E-04	0.97	1.12	0.18
8/18/2016	10:00	17.0	1,819	3	142.3	29.2	1,980	294	85	4020	71.37	2170.34	8681.38	4	4331.67	2.704E-04	1.16	1.34	0.21
8/18/2016	12:00	17.0	1,645	3	145.6	29.1	1,734	244	86	4140	64.19	1900.70	7602.78	4	3793.49	2.368E-04	0.91	1.06	0.17
8/18/2016	14:00	16.0	1,781	3	153.5	29.3	1,632	226	86	4260	68.61	1788.89	7155.56	4	3570.35	2.229E-04	0.92	1.06	0.17
8/18/2016	16:00	16.0	1,829	3	154.7	29.6	1,658	218	87	4380	70.32	1817.39	7269.56	4	3627.23	2.264E-04	0.96	1.11	0.18
8/18/2016	18:00	16.0	1,722	3	154.9	29.4	1,347	179	87	4500	66.18	1476.49	5905.97	4	2946.85	1.840E-04	0.73	0.85	0.14
8/18/2016	20:00	16.0	1,754	3	155.0	28.3	1,309	182	86	4620	67.40	1434.84	5739.36	4	2863.72	1.788E-04	0.72	0.84	0.13
8/18/2016	22:00	15.0	1,789	3	154.8	27.1	1,247	164	87	4740	68.77	1366.88	5467.51	4	2728.08	1.703E-04	0.70	0.81	0.13
8/19/2016	0:00	16.0	1,744	3	153.2	28.0	1,259	170	86	4860	67.21	1380.03	5520.13	4	2754.33	1.720E-04	0.69	0.80	0.13
8/19/2016	8:00	16.0	1,836	3	155.4	23.2	1,236	139	89	5340	70.51	1354.82	5419.28	4	2704.01	1.688E-04	0.71	0.83	0.13
8/19/2016	10:00	16.0	1,654	3	155.7	22.7	1,109	124	89	5460	63.49	1215.61	4862.45	4	2426.17	1.515E-04	0.58	0.67	0.11
8/19/2016	12:00	16.0	2,008	3	155.6	22.6	1,128	108	90	5580	77.09	1236.44	4945.75	4	2467.74	1.541E-04	0.71	0.82	0.13
8/19/2016	14:00	16.0	1,873	3	155.7	23.9	1,093	98.3	91	5700	71.89	1198.07	4792.30	4	2391.17	1.493E-04	0.64	0.75	0.12
8/19/2016	15:00	16.0	1,661	3	155.8	23.4	1,090	95.1	91	5760	63.75	1194.79	4779.14	4	2384.61	1.489E-04	0.57	0.66	0.11
Average		17.1	1795.9	3.0	150.2	31.7	1630	248	85		69.56	1787.21	7148.82	4	3566.99	2.227E-04	0.93	1.08	0.17
Bws =	0.088	Bwsw:	0.06																

Total Pounds of Carbon Recovered as Emissions: 89.22
Total Pounds of Gasoline Vapor Recovered as Emissions: 103.23
Total Gallons of Gasoline Recovered as Emissions: 16.52
(This Number Represents the Gallons Recovered via Vapors, Not Total Liquids)

AFVR Definitions and Equations

Qstd = (60 sec/min) (1- Bws) (velocity) (Pipe ID sq.ft.) [(528 oR / (Temp. + 460)] (Listed As Flow Above)

Bws = (B_{wsw} / 18 lb-mole H_2O) / [(1/28.84 lb-mole dry air) + B_{wsw} / 18 lb-mole H_2O)]

PPMd = (PPMw) / (1-Bws)

PPMc = (PPM) (K)

Cc = Ccm (62.43 E -9 lb-m^3/mg-ft^3)

PMRg = (PMRc) (Mg/Mcg)

Bgs = below top of casing

Bws = (B_{WSW} / 18 lb-mole H_2O) / [(1/28.84 lb-mole dry air) + B_{wsw} / 18 lb-mole H_2O)]

Qstd = (60 sec/min)(1-Bws)(V)(A)(Temp deg Rankin)

Bgs = below top of casing

Bws - water vapor % by volume

PPMpre = measured directly from Photo Ionization Detector (PID) pre-treatment

PPMpost = measured directly from PID post-treatment

Bwsw - pounds of water per pound of dry air, derived from the psychometric chart (temp Vs relative hum)

PPMw = PPM measured (wet Conc.)

K = # of carbons in calibration gas (isobutylene)

PPMc = PPMv, volumetric concentration of VOC emissions as carbon, dry basis, at STP

Ccm = mg/dsm^3, mass concentration of VOC emissions as carbon

Mc = 12.01 mg/mg-mole, molecular wt. of carbon

K_3 = 24.07 $dsm^3/10^6$ mg-mole, mass to volume conversion factor at stp

Cc = lb/dscf, mass concentration of VOC emissions as carbon, dry basis, at STP

PMRc = lb/hr, pollutant mass removal rate of VOC's as carbon

PMRg = lb/hr, pollutant mass removal rate of VOC's as gasoline

Mcg = 89 mg/mg-mole, weight of carbon in gasoline molecule

PPMd = "dry" concentration

Mg = 103 mg/mg-mole, molecular wt. of gasoline

Qstd - Flow at DSCFM

Ccm = PPMc (Mc/K_3)

PMRc = Cc (Qstd) (60 min/hr)

Reference:

North Carolina Department of Natural Resources, Division of Waste Management, Underground Storage Tank Section, Appendix B, Report Formats, April 2001.

SECTION F-2B
EXTRACTION WELL STINGER DEPTH TABLE
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
AUGUST 15-19, 2016

Well #	MW-19	Well #	RW-5
Elapsed Time	Stinger Depth (ft)*	Elapsed Time	Stinger Depth (ft)*
0	35.0	0	35.0
0.5	35.5	0.5	35.5
1	40.0	1	40.0
1.5	40.5	1.5	40.5
2	41.0	2	41.0
2.5	41.5	2.5	41.5
3	42.0	3	42.0
3.5	42.5	3.5	42.5
4	43.0	4	43.0
4.5	43.5	4.5	43.5
5	44.0	5	44.0
5.5	44.5	5.5	44.5
6	45.0	6	45.0
6.5	45.0	6.5	45.0
7	45.0	7	45.0
7.5	45.0	7.5	45.0
8	45.0	8	45.0
9	45.0	9	45.0
17	45.0	17	45.0
18	45.0	18	45.0
19	45.0	19	45.0
20	45.0	20	45.0
21	47.0	21	47.0
22	47.0	22	47.0
23	47.0	23	47.0
24	47.0	24	47.0
26	47.0	26	47.0
28	45.0	28	45.0
30	45.0	30	45.0
32	45.0	32	45.0
33	45.0	33	45.0
41	45.0	41	45.0
43	45.0	43	45.0
45	45.0	45	45.0
47	45.0	47	45.0
49	45.0	49	45.0
51	45.0	51	45.0
53	45.0	53	45.0
55	45.0	55	45.0
57	45.0	57	45.0
65	45.0	65	45.0
67	45.0	67	45.0
69	47.0	69	47.0
71	47.0	71	47.0
73	45.0	73	45.0
75	45.0	75	45.0
77	45.0	77	45.0
79	45.0	79	45.0
81	45.0	81	45.0
89	45.0	89	45.0
91	45.0	91	45.0
93	45.0	93	45.0
95	45.0	95	45.0
96	45.0	96	45.0

*Measured relative to the top of the well casing.

SECTION F-3
VACUUM & POTENTIOMETRIC DATA TABLE
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
AUGUST 15-19, 2016

Well #	MW-3		Well #	MW-9		Well #	MW-18	
Elapsed Time	Vacuum (in H2O)	Depth to Water (ft.)*	Elapsed Time	Vacuum (in H2O)	Depth to Water (ft.)*	Elapsed Time	Vacuum (in H2O)	Depth to Water (ft.)*
0	0.0	38.12	0	0.50	36.68	0	0.10	36.31
0.5	0.0	--	0.5	0.50	--	0.5	0.10	--
1	0.0	--	1	0.50	--	1	0.10	--
1.5	0.0	--	1.5	0.50	--	1.5	0.10	--
2	0.0	37.92	2	0.50	36.61	2	0.10	36.42
2.5	0.0	--	2.5	0.50	--	2.5	0.10	--
3	0.0	--	3	0.50	--	3	0.10	--
3.5	0.0	--	3.5	0.50	--	3.5	0.10	--
4	0.0	38.20	4	0.50	36.65	4	0.10	36.36
4.5	0.0	--	4.5	0.50	--	4.5	0.10	--
5	0.0	--	5	0.50	--	5	0.10	--
5.5	0.0	--	5.5	0.50	--	5.5	0.10	--
6	0.0	38.16	6	0.50	36.67	6	0.10	36.33
6.5	0.0	--	6.5	0.50	--	6.5	0.10	--
7	0.0	--	7	0.50	--	7	0.10	--
7.5	0.0	--	7.5	0.50	--	7.5	0.10	--
8	0.0	38.10	8	0.50	36.68	8	0.10	36.40
9	0.0	--	9	0.50	--	9	0.10	--
17	0.0	38.13	17	0.50	36.68	17	0.10	36.39
18	0.0	--	18	0.50	--	18	0.10	--
19	0.0	38.12	19	0.50	36.67	19	0.10	36.39
20	0.0	--	20	0.50	--	20	0.10	--
21	0.0	38.17	21	0.50	36.70	21	0.10	36.40
22	0.0	--	22	0.50	--	22	0.10	--
23	0.0	38.20	23	0.50	36.75	23	0.10	36.40
24	0.0	--	24	0.50	--	24	0.10	--
26	0.0	38.21	26	0.50	36.76	26	0.10	36.40
28	0.0	38.20	28	0.50	36.75	28	0.10	36.40
30	0.0	38.20	30	0.50	36.76	30	0.10	36.39
32	0.0	38.22	32	0.50	36.77	32	0.10	36.41
33	0.0	38.21	33	0.50	36.79	33	0.10	36.43
41	0.0	38.19	41	0.50	36.70	41	0.10	36.40
43	0.0	38.19	43	0.50	36.75	43	0.05	36.41
45	0.0	38.19	45	0.50	36.75	45	0.05	36.45
47	0.0	38.20	47	0.50	36.79	47	0.05	36.43
49	0.0	38.23	49	0.50	36.20	49	0.05	36.51
51	0.0	38.22	51	0.50	36.41	51	0.05	36.54
53	0.0	38.21	53	0.50	37.44	53	0.05	36.54
55	0.0	38.22	55	0.50	37.43	55	0.05	36.54
57	0.0	38.21	57	0.50	37.46	57	0.05	36.57
65	0.0	38.23	65	0.50	37.55	65	0.05	36.49
67	0.0	38.22	67	0.50	37.58	67	0.05	36.47
69	0.0	38.22	69	0.50	37.60	69	0.05	36.47
71	0.0	38.20	71	0.50	37.71	71	0.05	36.47
73	0.0	38.20	73	0.50	37.73	73	0.05	36.48
75	0.0	38.18	75	0.50	37.73	75	0.05	36.49
77	0.0	38.19	77	0.50	37.71	77	0.05	36.49
79	0.0	38.21	79	0.50	37.55	79	0.05	36.49
81	0.0	38.23	81	0.50	37.73	81	0.05	36.51
89	0.0	38.24	89	0.50	37.74	89	0.05	36.50
91	0.0	38.24	91	0.50	37.80	91	0.05	36.51
93	0.0	38.24	93	0.50	37.85	93	0.05	36.50
95	0.0	38.25	95	0.50	37.87	95	0.05	36.47
96	0.0	38.25	96	0.50	37.88	96	0.05	36.46

*Relative to top of well casing.

SECTION F-7
FREE PRODUCT THICKNESS TABLE
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
AUGUST 15-19, 2016

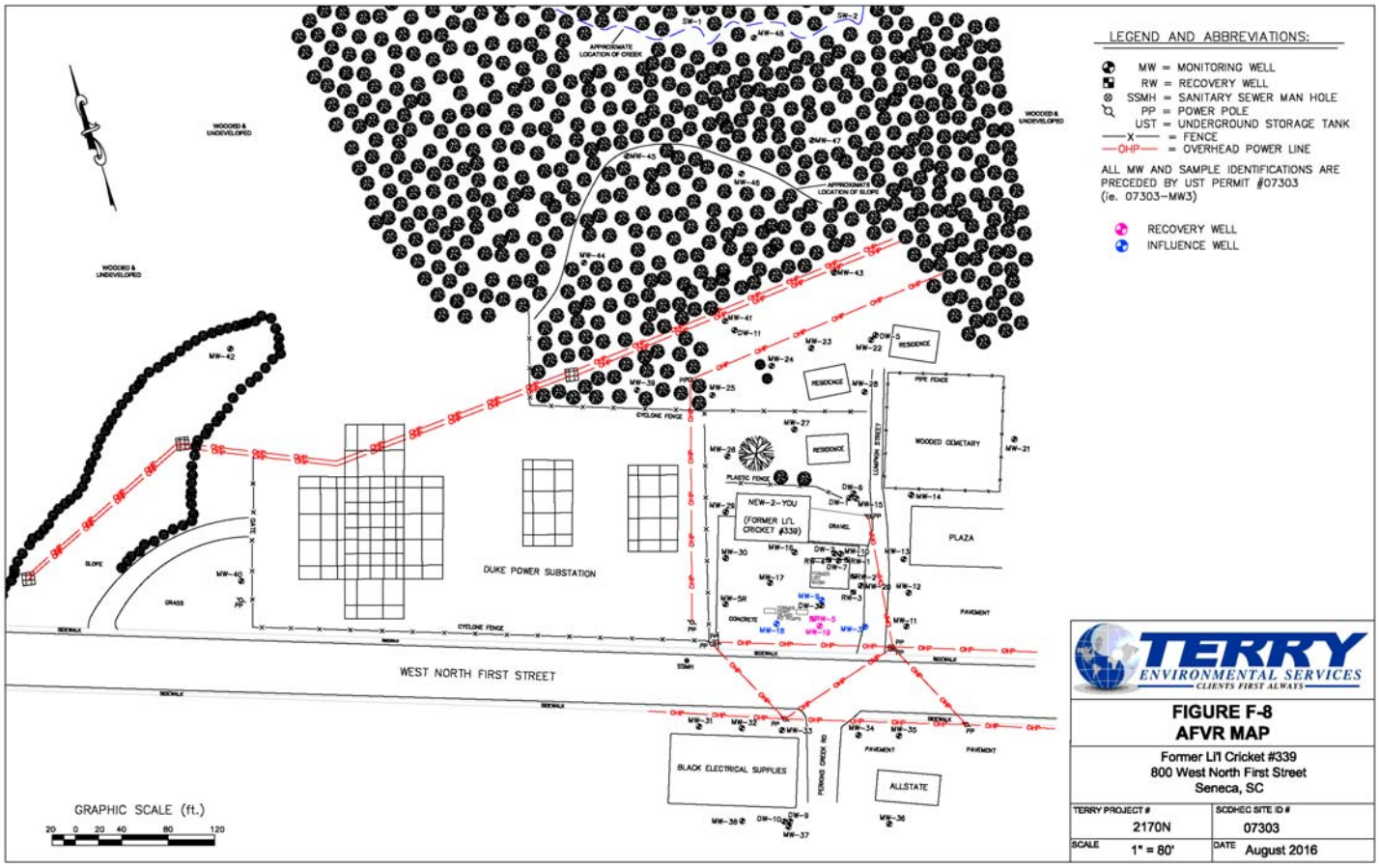
Well #	--	Depth to Product	Depth to Water	Product Thickness
MW-19	Initial	36.39	36.35	0.04
	Final	n/a	36.71	n/a
RW-5	Initial	n/a	36.02	n/a
	Final	n/a	38.12	n/a
MW-3	Initial	n/a	38.12	n/a
	Final	n/a	38.25	n/a
MW-9	Initial	n/a	36.68	n/a
	Final	n/a	37.88	n/a
MW-18	Initial	n/a	36.31	n/a
	Final	n/a	36.46	n/a

8. AFVR Event Map

Figure F-8 AFVR Map – Attached

9. Recovery Water Disposal

The disposal manifest and weigh tickets for the recovery water generated during the August 15-19, 2016 AFVR Event are included in Appendix G.



TERRY ENVIRONMENTAL SERVICES
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FIGURE F-8
AFVR MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170N	07303
SCALE 1" = 80'	DATE August 2016

G. GRANULATED ACTIVATED CARBON INSTALLATION

Not Applicable. No granulated activated carbon units were installed during this scope of work.

H. RESULTS & DISCUSSION

1. Assessment Results

During this scope of work, one 96-hour AFVR event was performed at the subject site. Prior to the August 2016 event, free-phase product was measured in MW-19 (0.04 feet). Upon completion of the event, no free-phase product was measured in the recovery or influence wells. A total of 103.23 pounds of gasoline vapors (approximate equivalent of 16.52 gallons of gasoline) were recovered as emissions during the event.

The AFVR event was successful at recovering contaminant mass and exposing the free product smear zone to vacuum. As such, it is recommended to conduct two additional 96-hour AFVR events on the monitoring/recovery well network in the source area.

2. Aquifer Evaluation Results

Not Applicable

3. Fate & Transport Results

Not Applicable

4. Tier 1 Risk Evaluation

Not Applicable

5. Tier 2 Risk Evaluation

Not Applicable

I. TABLES

1. Soil Analytical Data

Table 1 Soil Analytical Data - Not Applicable

2. Potentiometric Data

Table 2 Potentiometric Data - Not Applicable

3. Laboratory Data

Table 3 Groundwater Laboratory Data - Not Applicable

4. Aquifer Characteristics

Table 4 Aquifer Characteristics - Not Applicable

5. Site Conceptual Model

Table 5 Site Conceptual Model - Not Applicable

J. FIGURES

1. Topographic Map

Figure 1 Topographic Map - Attached

2. Site Base Map

Figure 2 Site Base Map - Attached

3. CoC Site Maps

Figure 3 Soil CoC Map - Not Applicable

Figure 4 Groundwater CoC Map - Not Applicable

4. Site Potentiometric Maps

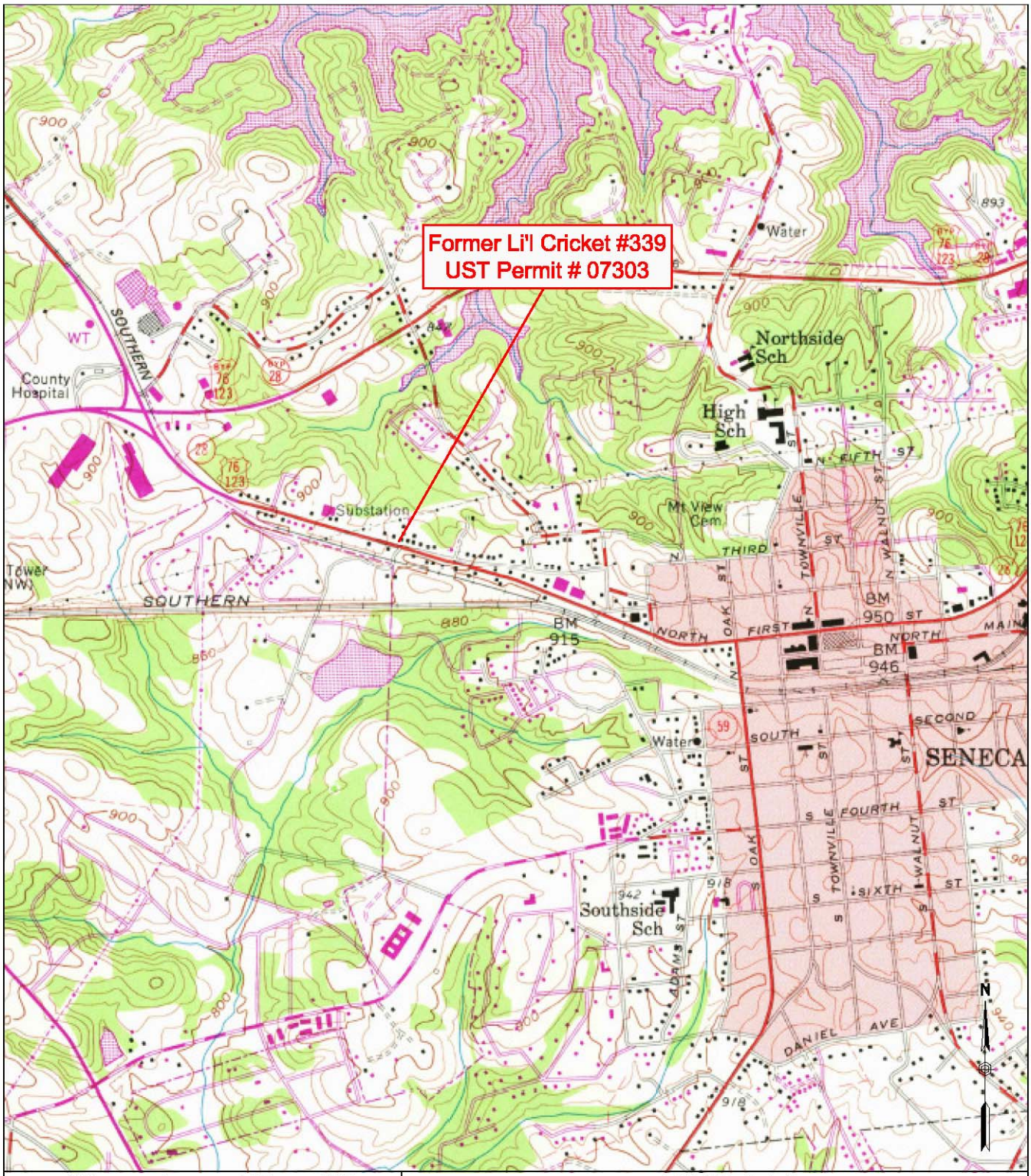
Figure 5 Site Potentiometric Map – Not Applicable

5. Geologic Cross Sections

Figure 6 Geologic Cross Sections - Not Applicable

6. Predicted Migration and Attenuation of CoCs

Figure 7 Predicted Migration and Attenuation of CoCs - Not Applicable



1,000 0 1,000 2,000
FEET

FIGURE 1
TOPOGRAPHIC MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, South Carolina

TERRY ENVIRONMENTAL SERVICES
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... providing our clients with the best services available, actually understanding our clients objectives, and making their obectives our own!

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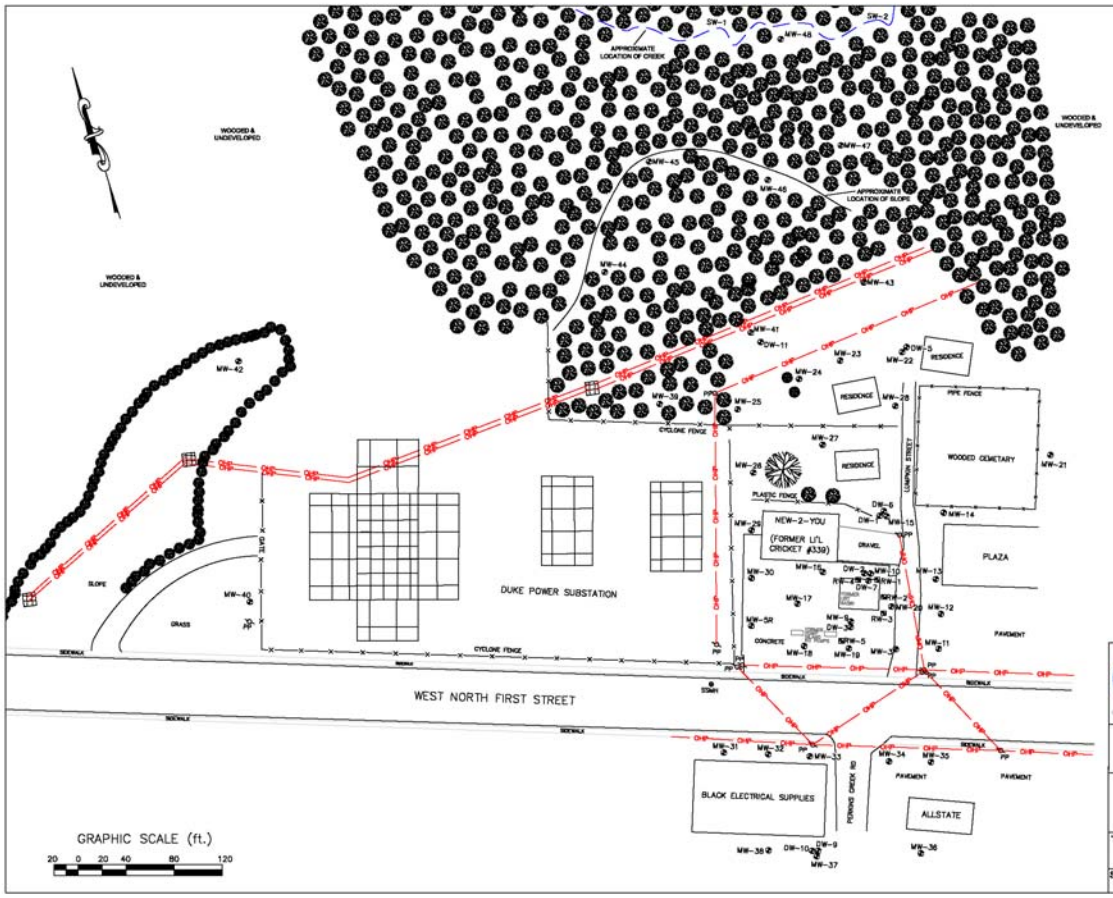
Summerville, South Carolina 29484
(800) 325-0605 (843)-873-8200 fax: (843)-873-9765

SIZE	TERRY Project No.	DWG NO.	REV
B	2170N	Figure 1 Topo Map	

SCALE: As Shown

DATE: August 2016



TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

FIGURE 2
SITE BASE MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170N	07303
SCALE 1" = 80'	DATE August 2016

K. APPENDICES

1. Appendix A: Site Survey

Not Applicable

2. Appendix B: Sampling Logs and Laboratory Data

Not Applicable

3. Appendix C: Tax Map

Not Applicable

4. Appendix D: Soil Boring/Field Screening Logs

Not Applicable

5. Appendix E: Well Completion Logs/SCDHEC 1903 Forms

Not Applicable

6. Appendix F: Aquifer Evaluation Forms

Not Applicable

7. Appendix G: Disposal Manifests

8. Appendix H: Local Zoning Regulations

Not Applicable

9. Appendix I: Fate and Transport Modeling Data

Not Applicable

10. Appendix J: Access Agreements

Not Applicable

11. Appendix K: Data Verification Checklist

APPENDIX A

Site Survey
(Not Applicable)

APPENDIX B

Sampling Logs and Laboratory Data
(Not Applicable)

APPENDIX C

Tax Map
(Not Applicable)

APPENDIX D

Soil Boring/Field Screening Logs
(Not Applicable)

APPENDIX E

Well Completion Logs/SCDHEC 1903 Forms
(Not Applicable)

APPENDIX F

Aquifer Evaluation Forms
(Not Applicable)

APPENDIX G

Disposal Manifests

US Water Recovery

Non-Hazardous Manifest: Waste Water or Drums

Number:

1. Generator's EPA ID# (if applicable):

Waste ID Number:

2. Generator's Name and Mailing Address:
Former Li'l Cricket #339
800 West North First Street
Seneca, SC

Phone ( )

P O #:

3. Agent of Generator and Mailing Address:
Terry Environmental Services
PO Box 25
Summerville, SC 29483

Phone (843) 873-8200

P O #:

4. Transporter Company Name: Coadsell Transport
511 Old Mt Holly Rd

Phone ( )

Truck & Trailer License Number:

Goose Creek, SC

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address:
US Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Mailing Address:
US Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Phone: (843) 797-3111

Fax: (843) 797-1884

7. Facility U.S. EPA ID#:

Start Level: End Level: Total Gallons: Tank Number

8. U.S. DOT Description	Container No.	Container Type	Unit	Quantity
a. Non-Hazardous, non-regulated waste water	102	VT	gals	@ 399 gal.

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: Lyall Plumb Signature: Lyall Plumb Date: 8/19/16

10. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Paul Goodsell Signature: Paul Goodsell Date: 8/19/16

11. Discrepancy Indication space:

12. Facility Owner or Operator: Certification of Receipt of Materials

Printed/Typed Name: Signature: Date: 8/19/16

White - Facility Yellow - Office Pink - Transporter Blue - Generator

12019

91548057
TICKET NUMBER

CERTIFIED AUTOMATED TRUCK SCALE

CAT SCALE COMPANY
P.O. BOX 630
WALCOTT, IA 52773
(563) 284-6263
www.catscale.com

PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT & MEASURE

THE CAT SCALE GUARANTEE

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.®

WEIGH WHAT WE SAY OR WE PAY®

If you get an overweight fine from the state **AFTER** one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

(1) Reimburse you for the cost of the overweight fine if our scale is wrong, **OR**
(2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

WEIGHMYTRUCK
WEIGH U
PH

IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:

1) Post bond and request a court date.
2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE, ext. 7 (Toll Free) or visit www.catscaleguarantee.c for instructions.
3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

* The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

DATE: 8-13-2016

SCALE LOCATION: 254
KANGAROO EXPRESS
I 26 EXIT 199B
SUMMERVILLE SC

STEER AXLE	9760 lb
DRIVE AXLE	16620 lb
TRAILER AXLE	13600 lb
* GROSS WEIGHT	39980 lb

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law.

IMPRINT SEAL HERE (IF APPLICABLE)

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED: FREIGHT ALL KINDS

COMPANY: GOODSELL

TRACTOR #: 06

TRAILER #: 102

WEIGH NUMBER 8055

FEE: $2.00

WEIGHMASTER OR WEIGHER SIGNATURE: Deja Burr
DEJA

FULL WEIGH TICKET # (IF REWEIGH): 9154805

CUSTOMER COPY

© CAT Scale® Reg 3055.0

79832463
TICKET NUMBER

THE CAT SCALE GUARANTEE

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.©

WEIGHMYTRUCK
WEIGH U
PH

WEIGH WHAT WE SAY OR WE PAY®

If you get an overweight fine from the state **AFTER** one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

(1) Reimburse you for the cost of the overweight fine if our scale is wrong, **OR**
(2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:

1) Post bond and request a court date.
2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE, ext. 7 (Toll Free) or visit www.catscaleguarantee.
for instructions.
3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

CERTIFIED
AUTOMATED
TRUCK
SCALE

CAT SCALE COMPANY
P.O. BOX 630
WALCOTT, IA 52773
(563) 284-6263
www.catscale.com

*The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

DATE: 8-19-2016

1906
79832463
PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT & MEASURE

SCALE 893
LOCATION: PILOT
I 26 EXIT 199
SUMMERVILLE SC

STEER AXLE	11240 lb
DRIVE AXLE	17760 lb
TRAILER AXLE	14300 lb
*GROSS WEIGHT	43300 lb

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facie evidence of the accuracy of the weight shown as prescribed by law.

IMPRINT SEAL HERE (IF APPLICABLE)

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED FREIGHT ALL KINDS

COMPANY GOODSELL TRANSPORT TRACTOR # 03 TRAILER # 102

WEIGH NUMBER 2463

FEE $10.50

WEIGHMASTER OR WEIGHER SIGNATURE CU
CASEY UPRIGHT

FULL WEIGH TICKET # (IF REWEIGH)

CUSTOMER COPY

© CAT Scale® Reg 3055

APPENDIX H

Local Zoning Regulations
(Not Applicable)

APPENDIX I

Fate and Transport Modeling Data
(Not Applicable)

APPENDIX J

Access Agreements
(Not Applicable)

APPENDIX K

Data Verification Checklist

Contractor Checklist – Former Li'l Cricket #339

UST Permit #07303 - TERRY Project #2170N

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			X
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?			X
7	Has the facility history been summarized?	X		
8	Has the regional geology and hydrogeology been described?	X		
9	Are the receptor survey results provided as required?			X
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?	X		
12	Has the primary soil type been described?	X		Sect. B3
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?			X
17	Has the method of well development been detailed?			X
18	Has justification been provided for the locations of the monitoring wells?			X
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	X		
20	Has the groundwater sampling methodology been detailed?			X
21	Have the groundwater sampling dates and groundwater measurements been provided?			X
22	Has the purging methodology been detailed?			X
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?			X
24	If free-product is present, has the thickness been provided?	X		
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)			X
34	Has the current and historical laboratory data been provided in tabular format?			X

Item #	Item	Yes	No	N/A
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			X
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)			X
40	Has the site potentiometric map been provided? (Figure 5)			X
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)			X
45	Is the laboratory performing the analyses properly certified?			X
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)			X
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			X
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	X		

Explanation for missing and incomplete information?

Not Applicable for the current directive.

dhec
Healthy People Healthy Communities

SEP 19 2016

UST 54 DOCKETING

MR JAMES P ZUBER
LIL CRICKET FOOD STORES INC
2010 VIBURNUM LN
ASHEVILLE NC 28803

Re: Aggressive fluid and vapor recovery (AFVR) directive
Former Li'l Cricket #339, 800 North West First Street, Seneca, SC
UST Permit #07303; CA #53277
Release reported April 27, 1989
Oconee County

Dear Mr. Zuber:

On behalf of the South Carolina Department of Health and Environmental Control (DHEC), the Underground Storage Tank (UST) Management Division recognizes your commitment to continue work at this site using Terry Environmental Services, Inc. The next appropriate remedial activity is to continue aggressive fluid and vapor recovery (AFVR) to reduce ground-water concentrations of chemicals of concern (CoC). Please have your contractor conduct one 96- hour AFVR event on monitoring/recovery wells MW-19 and RW-5. The event must be conducted in accordance with the UST Quality Assurance Program Plan (QAPP) Revision 3.1. A copy of QAPP Revision 3.1 is available at http://www.scdhec.gov/Environment/docs/DHEC%20UST%20QAPP_Rev-3.1(2).pdf.

Please notify the UST Management Division prior to commencing AFVR at the site. The stingers must be advanced to a target depth of 45 feet within the first 8 hours of the event. Thereafter, the stingers should be adjusted to achieve the highest vapor recovery while maintaining dewatering of the smear zone. Off-gas treatment will be necessary.

Cost Agreement (CA) #53277 has been approved in the amount shown on the enclosed cost agreement form for the AFVR event. Please note that all applicable South Carolina certification requirements apply to the report preparation. Further, all site rehabilitation activities must be performed and submitted by a South Carolina-Certified Underground Storage Tank Site Rehabilitation Contractor.

An AFVR report and invoice are due within 90 days from the date of this letter. Your contractor may directly bill the State Underground Petroleum Environmental Response Bank (SUPERB) Account. Interim invoices may not be submitted for this scope of work. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

Sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that no costs will be allowed unless prior approval from DHEC is obtained. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be pre-approved by DHEC.

in order for the costs to be paid. DHEC 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, DHEC reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

The UST Management Division grants pre-approval for transportation of petroleum-contaminated, investigative-derived waste (IDW) from the referenced site to a permitted treatment/disposal facility. The transport and disposal must be conducted in accordance with QAPP Revision 3.1.

On all correspondence concerning this facility, please reference UST Permit #07303. If there are any questions concerning this project, feel free to contact me by telephone at (803) 898-0655, by fax at (803) 898-0673, or by e-mail at padgetjp@dhec.sc.gov.

Sincerely,

Joel P. Padgett, P.G., Geologist/Hydrologist
Corrective Action Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

JPP/jpp
07303.afvr5

enc: Approved cost agreement form

cc: Terry Environmental Services, Inc., P.O. Box 25, Summerville, SC 29484 (w/enc)
Technical file (w/enc)

Approved Cost Agreement 53277

Facility: 07303 LIL CRICKET 339

PADGETJP

PO Number:

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
19 RPT/PROJECT MNGT & COORDINATIO						
		PRT	REPORT PREPARATION	0.1200	$22,742.250	2,729.07
23 EFR						
		A4	96 HOUR EVENT	1.0000	$12,567.500	12,567.50
		C4	OFF GAS TREATMENT 96 HOUR	1.0000	$780.000	780.00
		D	SITE RECONNAISSANCE	1.0000	$203.250	203.25
		F1	EFFLUENT DISPOSAL	20,000.0000	$0.440	8,800.00
		G	AFVR EQUIPMENT MOB	1.0000	$391.500	391.50
				Total Amount		25,471.32

Document Receipt Information

☐ Hard Copy ☒ CD ☐ Email

Date Received 10-24-14

Permit Number 07303

Project Manager Joel

Name of Contractor TES

UST Certification Number

Docket Number 55tech

Scanned

AFVR

AGGRESSIVE FLUID VAPOR RECOVERY (AFVR) EVENT REPORT
FORMER LI'L CRICKET #339
800 WEST NORTH FIRST STREET
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
CA #53277

Prepared For:

SCDHEC UNDERGROUND STORAGE TANK PROGRAM
2600 BULL ST.
COLUMBIA, SC 29201

Submitted By:

TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. BOX 25
SUMMERVILLE, SOUTH CAROLINA 29484
(843) 873-8200
Fax (843) 873-8765
www.terryenvironmental.com

UST CONTRACTOR #UCC-0223
TERRY PROJECT #2170O

KELLY K. CONE, PG
Vice President

JASON A. TERRY, PG
President

KELLY K. CONE REGISTERED No. 2509 SOUTH CAROLINA PROFESSIONAL GEOLOGIST

OCTOBER 2016

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A. INTRODUCTION

1. UST Facility and Owner/Operator Information

Facility Name (Permit #) :	Former Li'l Cricket #339 (07303)
Facility Address:	800 West North First Street, Seneca, South Carolina 29678
Facility Telephone:	n/a – Not Operating
Owner/ Operator Name:	Li'l Cricket Convenience Stores (Mr. Jim Zuber)
Owner/ Operator Address:	2010 Viburnum Lane, Asheville, NC 28803
Owner/ Operator Telephone:	910-512-9692

2. Property Owner Information

Name:	Thomas & Dorothy Glenn
Address:	800 West North First Street, Seneca, South Carolina 29678
Telephone:	864-710-8747

3. Contractor Information

Name:	Terry Environmental Services, Inc.
Address:	P.O. Box 25, Summerville, South Carolina 29484
Telephone:	843-873-8200
Certification:	UCC-0223

4. Well Driller Information

Not Applicable

5. Laboratory Information

Not Applicable

6. Site History

Date Release Reported to SCDHEC:	April 27, 1989
Estimated Quantity of Product Released:	Unknown
Cause of Release:	Unknown
Current use of Facility:	Commercial property (Consignment store)

UST #	Product	Date Installed	Currently In Use (Yes or No)	If not in use, Date Removed
1 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
2 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
3 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
4 (4,000 gal)	Kerosene	Unknown	No	2/22/2000

Other Releases at this site?	Yes	No	**XXXX**
If yes, Date Release Reported to SCDHEC	n/a		
Status of Release:	**n/a**		
No Further Action Date:	n/a		

7. Regional Geology and Hydrogeology

The Former Li'l Cricket #339 site is located in Seneca, SC which lies in the Western Piedmont Province of South Carolina approximately 20 miles to the southeast of the Brevard fault zone. The western piedmont is comprised of the Inner Piedmont block, the Smith River allochthon, and the Sauratwon Mountain window. The Inner Piedmont block encompasses the Inner Piedmont belt and the Chauga belt, and consists of a composite stack of thrust sheets containing a variety of gneisses, schists, amphibolites, sparse ultramafic bodies, and intrusive granitoids. (The Geology of the Carolinas, Horton & Zullo, 1991)

The Former Li'l Cricket #339 site is located in the Inner Piedmont Belt which consists of sillimanite-grade regional metamorphism that decreases in grade to the northwest towards Pickens. Generally, wells drilled to depths less than 250 feet in the rocks of the Inner Piedmont Belt of Pickens County yield one-half to 500 gallons per minute. The highest average yields were obtained from wells drilled in biotite granite gneiss and the lowest average yields were from wells drilled in hornblende gneiss. The average yield of all wells inventoried was 21 gallons per minute. (USGS/SCWRC Report 1: A Reconnaissance of the Water Resources of Pickens County, South Carolina, 1968)

B. RECEPTOR SURVEY & SITE DATA

1. Receptor Survey Results

A receptor survey was not conducted during this scope of work.

2. Current Site and Adjacent Land Use

Description of current site use (commercial, residential, rural, etc.):
Commercial

Description of adjacent land use (commercial, residential, rural, etc):
Commercial, residential, and Duke Power substation

UST sites within a 1,000-foot radius:
Unknown

The site is located at 800 West North First Street in Seneca, South Carolina. The site is bordered to the north by residential property, to the east by commercial property, to the south by West North First Street, and to the west by a Duke Power substation. Further to the south across West North First Street are commercial properties. The general site location is shown on the Topographic Map provided in Section J as Figure 1. A detailed Site Base Map originating from a comprehensive survey completed by Jay S. Joshi (SC Registered Land Surveyor #14811) of Construction Support Services, Inc. on October 8, 2008 is provided in Appendix 1 as Figure 2.

3. Site-Specific Geology and Hydrogeology

Based on the Tier II Assessment reported in March 2009, the general soil profile onsite consists of mostly clayey silt and sandy silt. Partially weathered rock and/or bedrock were encountered at depths ranging from approximately 28 feet to 45 feet below ground surface (bgs). The shallow aquifer was generally encountered between 40 and 47 feet bgs. During this scope of work, depth to groundwater was measured between 36 and 39 feet below top of casing in the recovery and influence wells gauged prior to the start of the event.

C. SOIL ASSESSMENT/FIELD SCREENING INFORMATION & METHODOLOGY

Not Applicable. No soil or groundwater borings were installed during this scope of work.

D. MONITORING WELL INFORMATION

Not Applicable. No monitoring wells were installed during this scope of work.

E. GROUNDWATER DATA

Not Applicable. No soil or groundwater borings were installed during this scope of work.

F. AFVR INFORMATION

1. Scope of Work

As directed by SCDHEC, a 96-hour continuous AFVR Event was performed on monitoring/recovery wells MW-19 and RW-5. The event was started by TERRY Environmental Services, Inc. on October 3, 2016 at 3:00pm and was scheduled to complete on October 7, 2016 at 3:00pm. On October 4, 2016 a Hurricane Warning was issued associated with Hurricane Matthew. The decision was made to end the event at 4:00pm on October 4, 2016 for the safety of TERRY personnel due to the predicted high winds and heavy rains. The SCDHEC Project Manager was notified and the partial event terminated after approximately 25 hours. The event was rescheduled and between October 10, 2016 and October 14, 2016 TERRY Environmental Services, Inc. performed one 96-hour AFVR event.

2. AFVR Emissions Table

AFVR Emissions Table (Partial) – Attached

AFVR Emissions Table – Attached

Extraction Well Stinger Depth Table (Partial) – Attached

Extraction Well Stinger Depth Table – Attached

3. Vacuum Data Table

Vacuum and Potentiometric Data Table (Partial) – Attached

Vacuum and Potentiometric Data Table – Attached

4. Volume of Water Recovered

A total of 752 gallons of fluid were recovered during the partial event conducted October 3-4, 2016 and the 96-hour event conducted October 10, 2016 through October 14, 2016.

5. Volume of Product Recovered

At the completion of the event no product was detected in the recovery tank. However, the AFVR process routinely emulsifies product which can take several hours to separate.

6. Mass of Petroleum Recovered as Vapor

14.96 pounds of volatile organic vapors (approximate equivalent of 2.39 gallons of gasoline) were recovered during the course of the partial 25-hour event conducted October 3, 2016 through October 4, 2016. 7.20 pounds of volatile organic vapors (approximate equivalent of 1.15 gallons of gasoline) were recovered during the course of the 96-hour

SECTION F-2A
AFVR EMISSIONS TABLE (PARTIAL)
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303

Date:	October 3-4, 2016	**Average Depth to Groundwater:**	36-39 ft.
Site Name:	Former Li'l Cricket #339	**Describe Soil in Saturated Zone:**	Weathered Rock
SCDHEC Site ID #:	07303	**Vacuum Contractor:**	TERRY Environmental Services, Inc.
Well ID #:	**MW-19 & RW-5**	**Blower Specification of the Vacuum Truck (CFM @ Hg):**	282 CFM @ 25" Hg

		DRY STANDARD CUBIC FEET PER MINUTE (DSCFM) CALCULATIONS (Qstd)										**EMISSION CALCULATION**							
		Vacuum	Velocity	Pipe Id	Temp.	Rel.Humid	PPM_{pre}	PPM_{post}	Reduction	Elapsed time	Flow	PPM_d	PPM_c	K	C_{cm}	C_c	PMR_c	PMR_g	PMR_g
Date	Time	(in. Hg)	(ft/min)	(in)	(F)	(%)	(ppm)	(ppm)	(%)	(min)	(DSCFM)				(mg/dsm^3)	(lb/dscf)	(lb/hr)	(lb/hr)	(gal/hr)
10/3/2016	15:00	19.0	589	3	94.6	90.6	642	72.2	89	0	25.10	703.72	2814.87	4	1404.51	8.768E-05	0.13	0.15	0.02
10/3/2016	15:30	19.0	614	3	115.5	88.4	884	96.4	89	30	25.21	968.98	3875.93	4	1933.94	1.207E-04	0.18	0.21	0.03
10/3/2016	16:00	18.0	642	3	117.6	72.3	1,556	111	93	60	26.27	1705.58	6822.33	4	3404.08	2.125E-04	0.33	0.39	0.06
10/3/2016	16:30	18.0	619	3	129.3	54.6	1,128	106	91	90	24.82	1236.44	4945.75	4	2467.74	1.541E-04	0.23	0.27	0.04
10/3/2016	17:00	18.0	1,010	3	140.1	57.0	1,304	135	90	120	39.78	1429.36	5717.43	4	2852.78	1.781E-04	0.43	0.49	0.08
10/3/2016	17:30	18.0	1,188	3	158.0	49.5	1,021	122	88	150	45.43	1119.15	4476.61	4	2233.66	1.394E-04	0.38	0.44	0.07
10/3/2016	18:00	18.0	1,219	3	158.0	52.2	1,114	119	89	180	46.62	1221.09	4884.37	4	2437.11	1.521E-04	0.43	0.49	0.08
10/3/2016	18:30	18.0	1,222	3	158.0	48.4	1,335	125	91	210	46.73	1463.34	5853.35	4	2920.60	1.823E-04	0.51	0.59	0.09
10/3/2016	19:00	18.0	1,364	3	158.0	48.1	1,228	124	90	240	52.16	1346.05	5384.21	4	2686.51	1.677E-04	0.52	0.61	0.10
10/3/2016	19:30	18.0	1,377	3	158.0	48.2	1,249	116	91	270	52.66	1369.07	5476.28	4	2732.45	1.706E-04	0.54	0.62	0.10
10/3/2016	20:00	18.0	1,330	3	158.0	46.9	1,198	120	90	300	50.86	1313.17	5252.67	4	2620.88	1.636E-04	0.50	0.58	0.09
10/3/2016	20:30	18.0	1,461	3	158.0	43.5	1,005	117	88	330	55.87	1101.61	4406.46	4	2198.65	1.373E-04	0.46	0.53	0.09
10/3/2016	21:00	18.0	1,380	3	158.0	45.8	1,284	130	90	360	52.77	1407.44	5629.74	4	2809.02	1.754E-04	0.56	0.64	0.10
10/3/2016	21:30	18.0	1,283	3	158.0	48.3	1,163	125	89	390	49.06	1274.80	5099.21	4	2544.31	1.588E-04	0.47	0.54	0.09
10/3/2016	22:00	18.0	1,324	3	158.0	47.6	1,556	133	91	420	50.63	1705.58	6822.33	4	3404.08	2.125E-04	0.65	0.75	0.12
10/3/2016	22:30	18.0	1,319	3	158.0	44.5	1,477	137	91	450	50.44	1618.99	6475.96	4	3231.25	2.017E-04	0.61	0.71	0.11
10/3/2016	23:00	18.0	1,361	3	158.0	43.2	1,303	115	91	480	52.05	1428.26	5713.05	4	2850.59	1.780E-04	0.56	0.64	0.10
10/4/2016	0:00	18.0	1,298	3	158.0	45.0	1,015	113	89	540	49.64	1112.58	4450.30	4	2220.53	1.386E-04	0.41	0.48	0.08
10/4/2016	8:00	16.0	1,682	3	147.9	22.4	1,375	122	91	1020	65.39	1507.18	6028.73	4	3008.11	1.878E-04	0.74	0.85	0.14
10/4/2016	9:00	16.0	1,647	3	141.6	27.5	1,268	125	90	1080	64.70	1389.90	5559.59	4	2774.02	1.732E-04	0.67	0.78	0.12
10/4/2016	10:00	16.0	1,701	3	151.4	31.6	1,212	129	89	1140	65.75	1328.51	5314.06	4	2651.51	1.655E-04	0.65	0.76	0.12
10/4/2016	11:00	16.0	1,856	3	158.0	33.7	1,291	131	90	1200	70.98	1415.11	5660.43	4	2824.34	1.763E-04	0.75	0.87	0.14
10/4/2016	12:00	16.0	1,649	3	158.0	27.5	1,270	128	90	1260	63.06	1392.09	5568.36	4	2778.40	1.735E-04	0.66	0.76	0.12
10/4/2016	13:00	16.0	1,755	3	158.0	30.3	1,166	120	90	1320	67.11	1278.09	5112.37	4	2550.87	1.593E-04	0.64	0.74	0.12
10/4/2016	14:00	16.0	1,722	3	158.0	31.2	1,333	125	91	1380	65.85	1461.15	5844.58	4	2916.22	1.821E-04	0.72	0.83	0.13
10/4/2016	15:00	16.0	1,608	3	158.0	32.4	1,405	121	91	1440	61.49	1540.07	6160.27	4	3073.74	1.919E-04	0.71	0.82	0.13
10/4/2016	16:00	16.0	1,721	3	158.0	30.9	1,250	119	90	1500	65.81	1370.17	5480.67	4	2734.64	1.707E-04	0.67	0.78	0.12
Average		17.4	1331.1	3.0	149.6	46.0	1223	120	90		51.60	1341.02	5364.07	4	2676.46	1.671E-04	0.52	0.60	0.10
Bws =	0.088	Bwsw:	0.06																

Total Pounds of Carbon Recovered as Emissions: 12.93

Total Pounds of Gasoline Vapor Recovered as Emissions: 14.96

Total Gallons of Gasoline Recovered as Emissions: 2.39

(This Number Represents the Gallons Recovered via Vapors, Not Total Liquids)

SECTION F-2A
AFVR EMISSIONS TABLE
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303

Date:	October 10-14, 2016	**Average Depth to Groundwater:**	37-39 ft.
Site Name:	Former Li'l Cricket #339	**Describe Soil in Saturated Zone:**	Weathered Rock
SCDHEC Site ID #:	07303	**Vacuum Contractor:**	TERRY Environmental Services, Inc.
Well ID #:	**MW-19 & RW-5**	**Blower Specification of the Vacuum Truck (CFM @ Hg):**	282 CFM @ 25" Hg

DRY STANDARD CUBIC FEET PER MINUTE (DSCFM) CALCULATIONS (Qstd) | **EMISSION CALCULATION**

Date	Time	Vacuum (in. Hg)	Velocity (ft/min)	Pipe Id (in)	Temp. (F)	Rel Humid (%)	PPM_{wp} (ppm)	PPM_{wet} (ppm)	Reduction (%)	Elapsed time (min)	Flow (DSCFM)	PPM_d	PPM_v	K	C_{mp} (mg/dsm³)	C_v (lb/dscf)	PMR_p (lb/hr)	PMR_v (lb/hr)	PMR_v (gal/hr)
10/10/2016	15:00	10.0	350	3	88.6	45.4	559	97.5	83	0	15.08	612.74	2450.95	4	1222.93	7.635E-05	0.07	0.08	0.01
10/10/2016	15:30	17.0	347	3	99.1	47.5	600	99.6	83	30	14.67	657.68	2630.72	4	1312.83	8.195E-05	0.07	0.08	0.01
10/10/2016	16:00	19.0	598	3	112.1	47.6	711	111.0	84	60	24.70	779.35	3117.40	4	1555.46	9.711E-05	0.14	0.17	0.03
10/10/2016	16:30	20.0	518	3	120.4	41.8	942	105.0	89	90	21.09	1032.56	4130.23	4	2060.83	1.287E-04	0.16	0.19	0.03
10/10/2016	17:00	20.0	548	3	134.0	49.2	617	104.0	83	120	21.80	676.31	2705.26	4	1349.82	8.427E-05	0.11	0.13	0.02
10/10/2016	17:30	20.0	625	3	125.9	39.3	621	104.0	83	150	25.21	680.70	2722.80	4	1358.57	8.482E-05	0.13	0.15	0.02
10/10/2016	18:00	20.0	653	3	128.2	36.8	675	103.0	85	180	26.24	739.89	2959.56	4	1476.71	9.219E-05	0.15	0.17	0.03
10/10/2016	18:30	20.0	708	3	129.5	39.7	672	104.0	85	210	28.38	736.60	2946.41	4	1470.14	9.178E-05	0.16	0.18	0.03
10/10/2016	19:00	21.0	823	3	130.1	38.4	699	103.0	85	240	32.96	766.20	3064.79	4	1529.21	9.547E-05	0.19	0.22	0.03
10/10/2016	19:30	21.0	711	3	135.0	40.1	444	75.5	83	270	28.24	486.68	1946.73	4	971.34	6.064E-05	0.10	0.12	0.02
10/10/2016	20:00	21.0	719	3	135.7	41.5	638	74.8	88	300	28.52	699.33	2797.33	4	1395.76	8.714E-05	0.15	0.17	0.03
10/10/2016	20:30	20.0	733	3	135.5	38.6	517	74.1	86	330	29.09	566.70	2266.80	4	1131.05	7.061E-05	0.12	0.14	0.02
10/10/2016	21:00	20.0	626	3	133.9	37.2	532	73.7	86	360	24.91	583.14	2332.57	4	1163.86	7.266E-05	0.11	0.13	0.02
10/10/2016	21:30	20.0	670	3	131.8	40.1	519	73.4	86	390	26.76	568.89	2275.57	4	1135.42	7.088E-05	0.11	0.13	0.02
10/10/2016	22:00	20.0	744	3	130.9	38.0	510	70.2	86	420	29.76	559.03	2236.11	4	1115.73	6.966E-05	0.12	0.14	0.02
10/10/2016	22:30	20.0	606	3	135.3	38.6	514	71.5	86	450	24.06	563.41	2253.65	4	1124.48	7.020E-05	0.10	0.12	0.02
10/10/2016	23:00	20.0	714	3	131.3	33.4	563	75.7	87	480	28.54	617.12	2468.49	4	1231.68	7.689E-05	0.13	0.15	0.02
10/11/2016	0:00	20.0	698	3	130.9	35.8	506	71.8	86	540	27.92	554.64	2218.57	4	1106.98	6.911E-05	0.12	0.13	0.02
10/11/2016	8:00	22.0	684	3	122.4	30.7	406	68.6	83	1020	27.76	445.03	1780.12	4	888.21	5.545E-05	0.09	0.11	0.02
10/11/2016	9:00	22.0	571	3	124.1	27.9	518	68.5	87	1080	23.10	567.80	2271.19	4	1133.24	7.075E-05	0.10	0.11	0.02
10/11/2016	10:00	22.0	528	3	126.0	25.9	436	62.7	86	1140	21.29	477.91	1911.66	4	953.84	5.955E-05	0.08	0.09	0.01
10/11/2016	11:00	22.0	500	3	130.6	30.3	454	60.3	87	1200	20.01	497.64	1990.58	4	993.22	6.201E-05	0.07	0.09	0.01
10/11/2016	12:00	22.0	552	3	130.2	31.0	421	59.9	86	1260	22.10	461.47	1845.89	4	921.03	5.750E-05	0.08	0.09	0.01
10/11/2016	13:00	22.0	543	3	128.7	31.5	396	52.2	87	1320	21.80	434.07	1736.28	4	866.33	5.409E-05	0.07	0.08	0.01
10/11/2016	14:00	22.0	568	3	129.2	31.7	348	50.6	85	1380	22.78	381.45	1525.82	4	761.32	4.753E-05	0.06	0.08	0.01
10/11/2016	15:00	22.0	562	3	126.9	31.0	347	50.9	85	1440	22.63	380.36	1521.43	4	759.14	4.739E-05	0.06	0.07	0.01
10/11/2016	17:00	22.0	570	3	124.4	31.1	305	50.4	83	1560	23.05	334.32	1337.28	4	667.25	4.166E-05	0.06	0.07	0.01
10/11/2016	19:00	22.0	574	3	120.8	29.8	296	48.7	84	1680	23.36	324.46	1297.82	4	647.56	4.043E-05	0.06	0.07	0.01
10/11/2016	21:00	22.0	582	3	118.2	27.3	299	47.0	84	1800	23.79	327.74	1310.98	4	654.13	4.084E-05	0.06	0.07	0.01
10/11/2016	23:00	22.0	593	3	116.3	28.1	296	45.2	85	1920	24.32	324.46	1297.82	4	647.56	4.043E-05	0.06	0.07	0.01
10/12/2016	0:00	22.0	584	3	113.2	26.2	291	46.0	84	1980	24.08	318.97	1275.90	4	636.62	3.974E-05	0.06	0.07	0.01
10/12/2016	8:00	22.0	601	3	114.9	23.8	284	44.0	85	2460	24.71	311.30	1245.21	4	621.31	3.879E-05	0.06	0.07	0.01
10/12/2016	10:00	23.0	567	3	110.4	21.9	209	34.7	83	2580	23.49	229.09	916.37	4	457.23	2.854E-05	0.04	0.05	0.01
10/12/2016	12:00	23.0	421	3	109.5	21.7	197	32.0	84	2700	17.47	215.94	863.75	4	430.98	2.691E-05	0.03	0.03	0.01
10/12/2016	14:00	23.0	382	3	107.6	21.6	182	33.9	81	2820	15.91	199.50	797.99	4	398.16	2.486E-05	0.02	0.03	0.00
10/12/2016	16:00	23.0	297	3	107.4	20.9	148	28.5	81	2940	12.37	162.23	648.91	4	323.78	2.021E-05	0.02	0.02	0.00
10/12/2016	18:00	22.0	403	3	105.6	20.7	150	29.2	81	3060	16.84	164.42	657.68	4	328.16	2.049E-05	0.02	0.02	0.00
10/12/2016	20:00	22.0	483	3	103.8	20.1	155	30.1	81	3180	20.25	169.90	679.60	4	339.10	2.117E-05	0.03	0.03	0.00
10/12/2016	22:00	21.0	502	3	104.1	21.0	149	28.9	81	3300	21.03	163.32	653.30	4	325.97	2.035E-05	0.03	0.03	0.00
10/13/2016	0:00	22.0	493	3	103.7	20.6	147	27.2	81	3420	20.67	161.13	644.53	4	321.59	2.008E-05	0.02	0.03	0.00
10/13/2016	8:00	22.0	517	3	102.5	20.8	152	30.0	80	3900	21.72	166.61	666.45	4	332.53	2.076E-05	0.03	0.03	0.01
10/13/2016	10:00	23.0	419	3	105.4	21.2	149	27.6	81	4020	17.51	163.32	653.30	4	325.97	2.035E-05	0.02	0.02	0.00
10/13/2016	12:00	23.0	452	3	105.9	21.6	146	27.4	81	4140	18.88	160.04	640.14	4	319.41	1.994E-05	0.02	0.03	0.00
10/13/2016	14:00	23.0	468	3	106.2	21.9	147	27.8	81	4260	19.53	161.13	644.53	4	321.59	2.008E-05	0.02	0.03	0.00
10/13/2016	16:00	22.0	412	3	106.4	21.4	153	27.7	82	4380	17.19	167.71	670.83	4	334.72	2.090E-05	0.02	0.02	0.00
10/13/2016	18:00	22.0	425	3	105.7	20.9	151	27.9	82	4500	17.76	165.52	662.06	4	330.34	2.062E-05	0.02	0.03	0.00
10/13/2016	20:00	22.0	427	3	104.6	20.8	144	28.0	81	4620	17.87	157.84	631.37	4	315.03	1.967E-05	0.02	0.02	0.00
10/13/2016	22:00	22.0	431	3	103.9	20.7	149	28.2	81	4740	18.06	163.32	653.30	4	325.97	2.035E-05	0.02	0.03	0.00
10/14/2016	0:00	22.0	447	3	104.1	21.2	155	29.8	81	4860	18.73	169.90	679.60	4	339.10	2.117E-05	0.02	0.03	0.00
10/14/2016	8:00	22.0	439	3	102.3	22.1	160	30.1	81	5340	18.45	175.38	701.53	4	350.03	2.185E-05	0.02	0.03	0.00
10/14/2016	10:00	22.0	396	3	104.7	22.5	159	25.6	84	5460	16.57	174.29	697.14	4	347.85	2.172E-05	0.02	0.02	0.00
10/14/2016	12:00	22.0	424	3	104.9	22.4	154	25.9	83	5580	17.74	168.80	675.22	4	336.91	2.103E-05	0.02	0.03	0.00
10/14/2016	14:00	22.0	431	3	104.6	22.7	151	28.9	81	5700	18.04	165.52	662.06	4	330.34	2.062E-05	0.02	0.03	0.00
10/14/2016	15:00	22.0	408	3	105.1	22.8	146	27.7	81	5760	17.06	160.04	640.14	4	319.41	1.994E-05	0.02	0.02	0.00
Average		21.2	537.9	3.0	116.9	29.7	359	55	84		22.04	393.57	1574.29	4	785.51	4.904E-05	0.06	0.08	0.01
Bws =	0.088	Bwsw:	0.06																

Total Pounds of Carbon Recovered as Emissions: 6.22

Total Pounds of Gasoline Vapor Recovered as Emissions: 7.20

Total Gallons of Gasoline Recovered as Emissions: 1.15

(This Number Represents the Gallons Recovered via Vapors, Not Total Liquids)

AFVR Definitions and Equations

Qstd = (60 sec/min) (1- Bws) (velocity) (Pipe ID sq.ft.) [(528 oR / (Temp. + 460)] (Listed As Flow Above)

Bws = (B_{wsw} / 18 lb-mole H_2O) / [(1/28.84 lb-mole dry air) + B_{wsw} / 18 lb-mole H_2O)]

PPMd = (PPMw) / (1-Bws)

PPMc = (PPM) (K)

Cc = Ccm (62.43 E -9 lb-m^3/mg-ft^3)

PMRg = (PMRc) (Mg/Mcg)

Bgs = below top of casing

Bws = (B_{WSW} / 18 lb-mole H_2O) / [(1/28.84 lb-mole dry air) + B_{wsw} / 18 lb-mole H_2O)]

Qstd = (60 sec/min)(1-Bws)(V)(A)(Temp deg Rankin)

Bgs = below top of casing

Bws - water vapor % by volume

PPMpre = measured directly from Photo Ionization Detector (PID) pre-treatment

PPMpost = measured directly from PID post-treatment

Bwsw - pounds of water per pound of dry air, derived from the psychometric chart (temp Vs relative hum)

PPMw = PPM measured (wet Conc.)

K = # of carbons in calibration gas (isobutylene)

PPMc = PPMv, volumetric concentration of VOC emissions as carbon, dry basis, at STP

Ccm = mg/dsm^3, mass concentration of VOC emissions as carbon

Mc = 12.01 mg/mg-mole, molecular wt. of carbon

K_3 = 24.07 $dsm^3/10^6$ mg-mole, mass to volume conversion factor at stp

Cc = lb/dscf, mass concentration of VOC emissions as carbon, dry basis, at STP

PMRc = lb/hr, pollutant mass removal rate of VOC's as carbon

PMRg = lb/hr, pollutant mass removal rate of VOC's as gasoline

Mcg = 89 mg/mg-mole, weight of carbon in gasoline molecule

PPMd = "dry" concentration

Mg = 103 mg/mg-mole, molecular wt. of gasoline

Qstd - Flow at DSCFM

Ccm = PPMc (Mc/K_3)

PMRc = Cc (Qstd) (60 min/hr)

Reference:

North Carolina Department of Natural Resources, Division of Waste Management, Underground Storage Tank Section, Appendix B, Report Formats, April 2001.

SECTION F-2B
EXTRACTION WELL STINGER DEPTH TABLE (PARTIAL)
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
OCTOBER 3-4, 2016

Well #	MW-19	Well #	RW-5
Elapsed Time	Stinger Depth (ft)*	Elapsed Time	Stinger Depth (ft)*
0	37.5	0	37.0
0.5	38.0	0.5	37.5
1	38.5	1	38.0
1.5	39.0	1.5	38.5
2	39.5	2	39.0
2.5	40.0	2.5	39.5
3	40.5	3	40.0
3.5	41.0	3.5	40.5
4	41.5	4	41.0
4.5	42.0	4.5	41.5
5	42.5	5	42.0
5.5	43.0	5.5	42.5
6	43.5	6	43.0
6.5	44.0	6.5	43.5
7	44.5	7	44.0
7.5	45.0	7.5	44.5
8	45.0	8	45.0
9	45.0	9	45.0
17	45.0	17	45.0
18	45.0	18	45.0
19	45.0	19	45.0
20	45.0	20	45.0
21	45.0	21	45.0
22	45.0	22	45.0
23	45.0	23	45.0
24	45.0	24	45.0
25	45.0	25	45.0

*Measured relative to the top of the well casing.

SECTION F-2B
EXTRACTION WELL STINGER DEPTH TABLE
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
OCTOBER 10-14, 2016

Well #	MW-19	Well #	RW-5
Elapsed Time	Stinger Depth (ft)*	Elapsed Time	Stinger Depth (ft)*
0	37.0	0	37.0
0.5	37.5	0.5	37.5
1	38.0	1	38.0
1.5	38.5	1.5	38.5
2	39.0	2	39.0
2.5	39.5	2.5	39.5
3	40.0	3	40.0
3.5	40.5	3.5	40.5
4	41.0	4	41.0
4.5	41.5	4.5	41.5
5	42.0	5	42.0
5.5	42.5	5.5	42.5
6	43.0	6	43.0
6.5	43.5	6.5	43.5
7	44.0	7	44.0
7.5	45.0	7.5	45.0
8	45.0	8	45.0
9	45.0	9	45.0
17	45.0	17	45.0
18	45.0	18	45.0
19	45.0	19	45.0
20	45.0	20	45.0
21	43.0	21	43.0
22	43.0	22	43.0
23	45.0	23	45.0
24	45.0	24	45.0
26	45.0	26	45.0
28	45.0	28	45.0
30	45.0	30	45.0
32	45.0	32	45.0
33	45.0	33	45.0
41	45.0	41	45.0
43	43.0	43	43.0
45	43.0	45	43.0
47	43.0	47	43.0
49	45.0	49	45.0
51	45.0	51	45.0
53	45.0	53	45.0
55	45.0	55	45.0
57	45.0	57	45.0
65	45.0	65	45.0
67	45.0	67	45.0
69	45.0	69	45.0
71	45.0	71	45.0
73	43.0	73	43.0
75	43.0	75	43.0
77	43.0	77	43.0
79	45.0	79	45.0
81	45.0	81	45.0
89	45.0	89	45.0
91	45.0	91	45.0
93	45.0	93	45.0
95	45.0	95	45.0
96	45.0	96	45.0

*Measured relative to the top of the well casing.

SECTION F-3
VACUUM & POTENTIOMETRIC DATA TABLE (PARTIAL)
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
OCTOBER 3-4, 2016

Well #	MW-3		Well #	MW-9		Well #	MW-18	
Elapsed Time	Vacuum (in H2O)	Depth to Water (ft.)*	Elapsed Time	Vacuum (in H2O)	Depth to Water (ft.)*	Elapsed Time	Vacuum (in H2O)	Depth to Water (ft.)*
0	0.0	38.87	0	0.0	37.50	0	0.0	37.16
0.5	0.0	--	0.5	0.0	--	0.5	0.0	--
1	0.0	--	1	0.0	--	1	0.0	--
1.5	0.0	--	1.5	0.0	--	1.5	0.0	--
2	0.1	38.90	2	0.3	37.60	2	0.0	37.18
2.5	0.1	--	2.5	0.3	--	2.5	0.0	--
3	0.1	--	3	0.3	--	3	0.0	--
3.5	0.1	--	3.5	0.3	--	3.5	0.0	--
4	0.4	38.97	4	0.2	37.72	4	0.0	37.19
4.5	0.4	--	4.5	0.2	--	4.5	0.0	--
5	0.4	--	5	0.2	--	5	0.0	--
5.5	0.4	--	5.5	0.2	--	5.5	0.0	--
6	0.3	39.01	6	0.2	37.81	6	0.0	37.22
6.5	0.3	--	6.5	0.2	--	6.5	0.0	--
7	0.3	--	7	0.2	--	7	0.0	--
7.5	0.3	--	7.5	0.2	--	7.5	0.0	--
8	0.3	39.05	8	0.3	37.87	8	0.0	37.23
9	0.3	39.10	9	0.3	37.89	9	0.0	37.23
17	0.1	39.24	17	0.1	38.31	17	0.0	37.28
18	0.1	--	18	0.1	--	18	0.0	--
19	0.1	39.31	19	0.1	38.35	19	0.0	37.30
20	0.1	--	20	0.1	--	20	0.0	--
21	0.1	39.33	21	0.1	38.38	21	0.0	37.31
22	0.1	--	22	0.1	--	22	0.0	--
23	0.1	39.35	23	0.1	38.40	23	0.0	37.33
24	0.1	--	24	0.1	--	24	0.0	--
25	0.1	39.39	25	0.1	38.41	25	0.0	37.54

*Relative to top of well casing.

SECTION F-3
VACUUM & POTENTIOMETRIC DATA TABLE
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
OCTOBER 10-14, 2016

Well #	MW-3		Well #	MW-9		Well #	MW-18	
Elapsed Time	Vacuum (in H2O)	Depth to Water (ft.)*	Elapsed Time	Vacuum (in H2O)	Depth to Water (ft.)*	Elapsed Time	Vacuum (in H2O)	Depth to Water (ft.)*
0	0.05	39.00	0	0.10	37.62	0	0.00	37.28
0.5	0.05	--	0.5	0.10	--	0.5	0.00	--
1	0.05	--	1	0.10	--	1	0.00	--
1.5	0.05	--	1.5	0.10	--	1.5	0.00	--
2	0.05	39.04	2	0.10	37.69	2	0.00	37.28
2.5	0.05	--	2.5	0.10	--	2.5	0.00	--
3	0.05	--	3	0.10	--	3	0.00	--
3.5	0.05	--	3.5	0.10	--	3.5	0.00	--
4	0.00	39.07	4	0.15	37.74	4	0.00	37.29
4.5	0.00	--	4.5	0.15	--	4.5	0.00	--
5	0.00	--	5	0.15	--	5	0.00	--
5.5	0.00	--	5.5	0.15	--	5.5	0.00	--
6	0.00	39.13	6	0.10	37.76	6	0.00	37.31
6.5	0.00	--	6.5	0.10	--	6.5	0.00	--
7	0.00	--	7	0.10	--	7	0.00	--
7.5	0.00	--	7.5	0.10	--	7.5	0.00	--
8	0.00	39.11	8	0.10	37.78	8	0.00	37.30
9	0.05	39.10	9	0.10	37.79	9	0.00	37.30
17	0.05	39.07	17	0.10	37.82	17	0.00	37.29
18	0.05	--	18	0.10	--	18	0.00	--
19	0.05	39.06	19	0.10	37.81	19	0.00	37.30
20	0.05	--	20	0.10	--	20	0.00	--
21	0.00	39.04	21	0.10	37.81	21	0.00	37.28
22	0.00	39.03	22	0.05	37.80	22	0.00	37.29
23	0.07	39.04	23	0.05	37.82	23	0.00	37.33
24	0.07	39.07	24	0.05	37.81	24	0.00	37.34
26	0.07	39.06	26	0.05	37.84	26	0.00	37.32
28	0.07	39.05	28	0.05	37.86	28	0.00	37.34
30	0.07	39.05	30	0.05	37.85	30	0.00	37.30
32	0.07	39.04	32	0.05	37.86	32	0.00	37.29
33	0.07	39.00	33	0.05	37.89	33	0.00	37.28
41	0.07	39.03	41	0.05	37.86	41	0.00	37.31
43	0.07	39.04	43	0.05	37.87	43	0.00	37.33
45	0.05	39.03	45	0.05	37.85	45	0.00	37.34
47	0.00	39.05	47	0.05	37.84	47	0.00	37.34
49	0.00	39.06	49	0.05	37.81	49	0.00	37.33
51	0.00	39.08	51	0.05	37.82	51	0.00	37.34
53	0.00	39.07	53	0.05	37.80	53	0.00	37.35
55	0.00	39.08	55	0.05	37.79	55	0.00	37.35
57	0.00	39.07	57	0.05	37.81	57	0.00	37.34
65	0.02	39.09	65	0.05	37.82	65	0.00	37.35
67	0.02	39.08	67	0.05	37.80	67	0.00	37.34
69	0.02	39.06	69	0.05	37.81	69	0.00	37.34
71	0.02	39.05	71	0.05	37.83	71	0.00	37.33
73	0.02	39.04	73	0.05	37.82	73	0.00	37.30
75	0.02	39.05	75	0.05	37.83	75	0.00	37.31
77	0.02	39.06	77	0.05	37.85	77	0.00	37.29
79	0.02	39.05	79	0.05	37.84	79	0.00	37.30
81	0.02	39.05	81	0.05	37.84	81	0.00	37.28
89	0.02	39.07	89	0.05	37.87	89	0.00	37.31
91	0.02	39.09	91	0.05	37.85	91	0.00	37.27
93	0.02	39.08	93	0.05	37.82	93	0.00	37.29
95	0.02	39.09	95	0.05	37.83	95	0.00	37.28
96	0.02	39.07	96	0.05	37.81	96	0.00	37.28

*Relative to top of well casing.

event conducted October 10, 2016 through October 14, 2016. A total of 22.16 pounds of gasoline vapors (approximate equivalent of 3.54 gallons of gasoline) were recovered as emissions during the two events. Off-gas treatment was provided during the events as directed by the SCDHEC Project Manager.

7. Free Product Thickness Table

Free Product Thickness Table (Partial) – Attached

Free Product Thickness Table – Attached

8. AFVR Event Map

Figure F-8 AFVR Map – Attached

9. Recovery Water Disposal

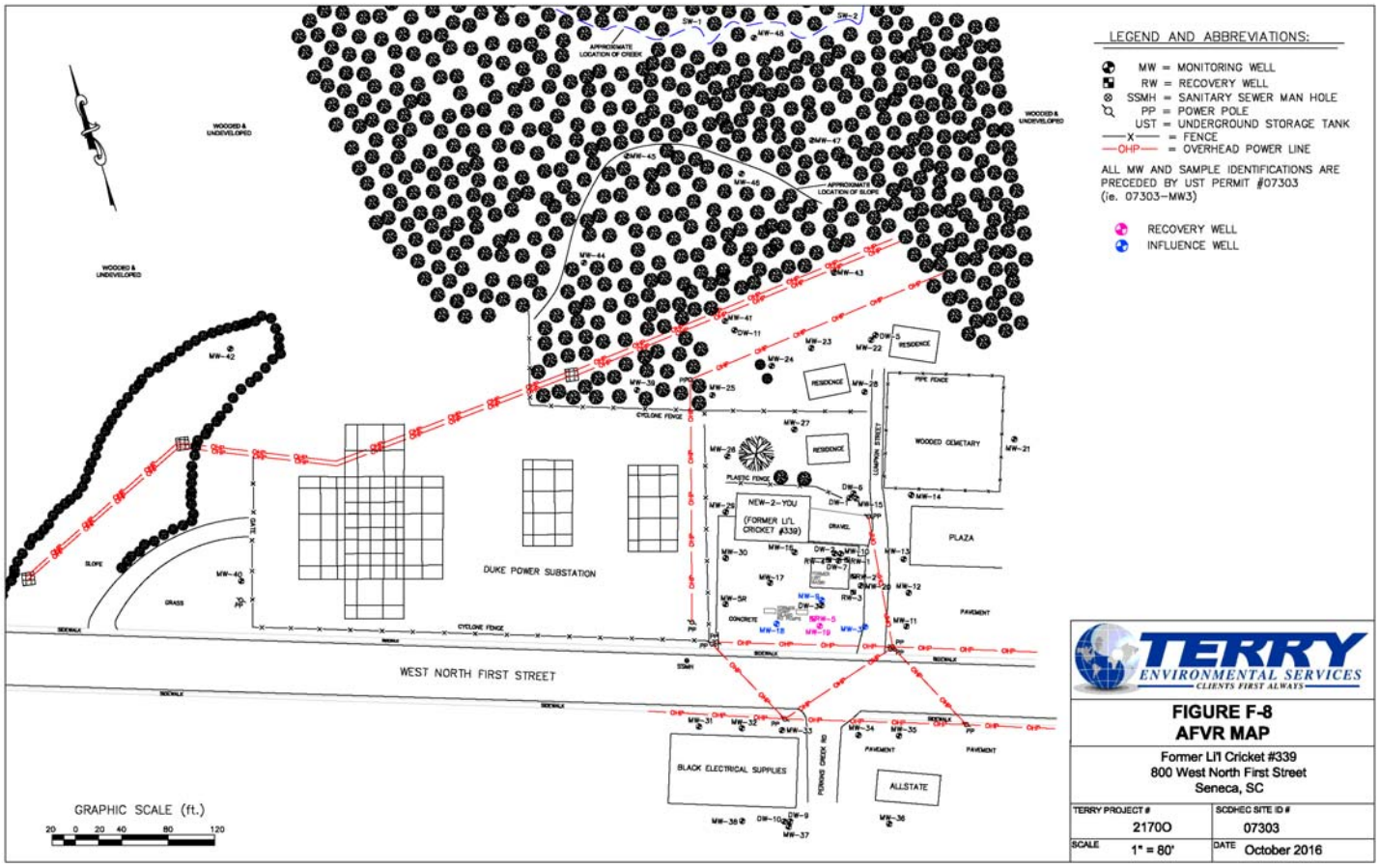
The disposal manifests and weigh tickets for the recovery water generated during the October 3-4, 2016 and October 10-14, 2016 AFVR Events are included in Appendix G.

SECTION F-7
FREE PRODUCT THICKNESS TABLE (PARTIAL)
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
OCTOBER 3-4, 2016

Well #	--	Depth to Product	Depth to Water	Product Thickness
MW-19	Initial	n/a	37.55	n/a
	Final	n/a	37.98	n/a
RW-5	Initial	n/a	36.89	n/a
	Final	n/a	37.43	n/a
MW-3	Initial	n/a	38.87	n/a
	Final	n/a	39.39	n/a
MW-9	Initial	n/a	37.50	n/a
	Final	n/a	38.41	n/a
MW-18	Initial	n/a	37.16	n/a
	Final	n/a	37.54	n/a

SECTION F-7
FREE PRODUCT THICKNESS TABLE
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
OCTOBER 10-14, 2016

Well #	--	Depth to Product	Depth to Water	Product Thickness
MW-19	Initial	n/a	37.70	n/a
	Final	n/a	36.30	n/a
RW-5	Initial	n/a	37.03	n/a
	Final	n/a	36.52	n/a
MW-3	Initial	n/a	39.00	n/a
	Final	n/a	39.07	n/a
MW-9	Initial	n/a	37.62	n/a
	Final	n/a	37.81	n/a
MW-18	Initial	n/a	37.28	n/a
	Final	n/a	37.28	n/a



TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

FIGURE F-8
AFVR MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170O	07303
SCALE 1" = 80'	DATE October 2016

G. GRANULATED ACTIVATED CARBON INSTALLATION

Not Applicable. No granulated activated carbon units were installed during this scope of work.

H. RESULTS & DISCUSSION

1. Assessment Results

During this scope of work, one partial 25-hour AFVR Event and one 96-hour AFVR event were performed at the subject site. Only one 96-hour continuous AFVR Event was directed but due to the severe weather associated with Hurricane Matthew the event was shut down after approximately 25 hours and rescheduled for the following week. Prior to and upon completion of both events, no free-phase product was measured in the recovery or influence wells. A total of 22.16 pounds of gasoline vapors (approximate equivalent of 3.54 gallons of gasoline) were recovered as emissions during the events.

The AFVR event was successful at recovering contaminant mass and exposing the free product smear zone to vacuum. As such, it is recommended to conduct an additional 96-hour AFVR event on the monitoring/recovery well network in the source area.

2. Aquifer Evaluation Results

Not Applicable

3. Fate & Transport Results

Not Applicable

4. Tier 1 Risk Evaluation

Not Applicable

5. Tier 2 Risk Evaluation

Not Applicable

I. TABLES

1. Soil Analytical Data

Table 1 Soil Analytical Data - Not Applicable

2. Potentiometric Data

Table 2 Potentiometric Data - Not Applicable

3. Laboratory Data

Table 3 Groundwater Laboratory Data - Not Applicable

4. Aquifer Characteristics

Table 4 Aquifer Characteristics - Not Applicable

5. Site Conceptual Model

Table 5 Site Conceptual Model - Not Applicable

J. FIGURES

1. Topographic Map

Figure 1 Topographic Map - Attached

2. Site Base Map

Figure 2 Site Base Map - Attached

3. CoC Site Maps

Figure 3 Soil CoC Map - Not Applicable

Figure 4 Groundwater CoC Map - Not Applicable

4. Site Potentiometric Maps

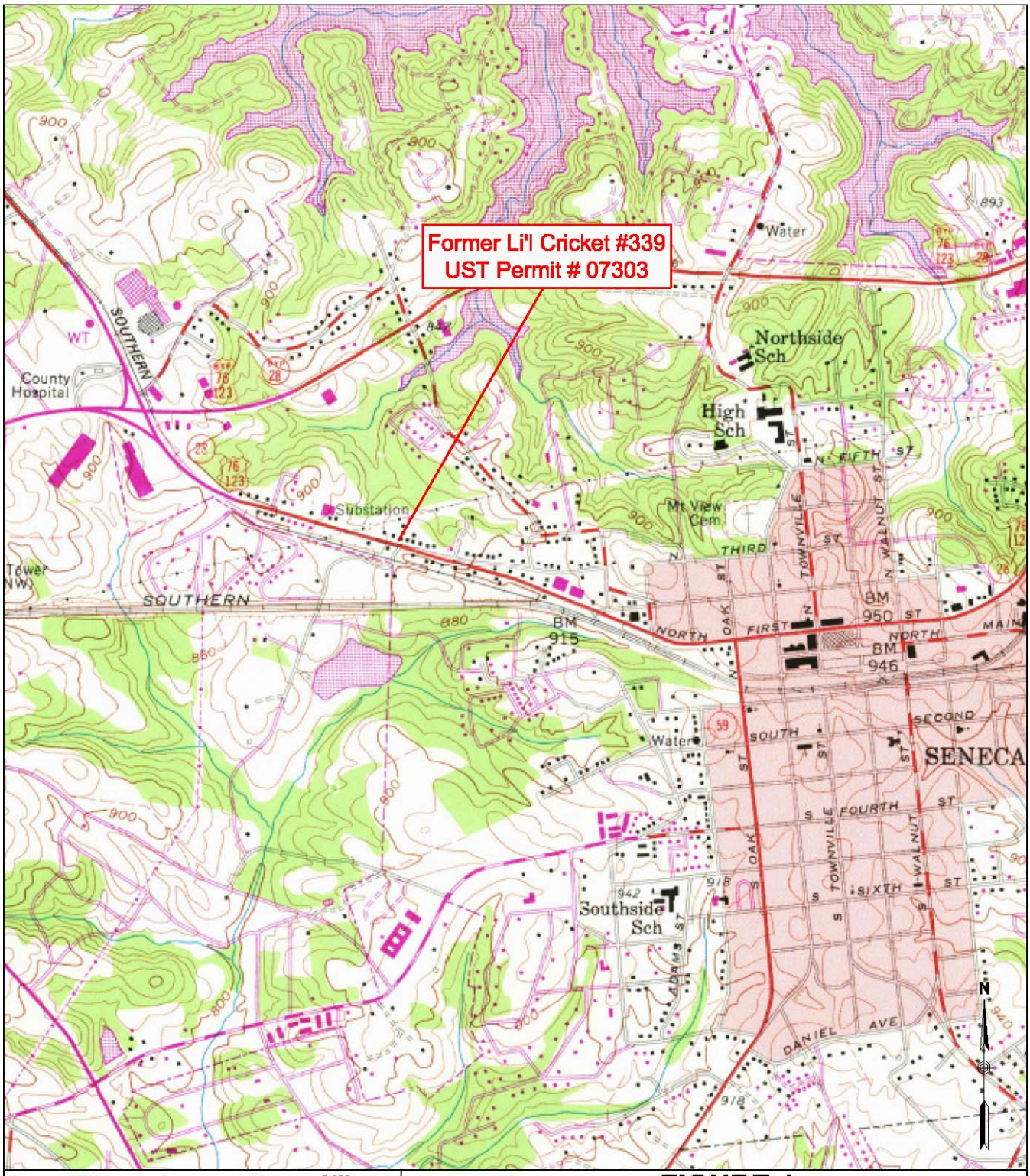
Figure 5 Site Potentiometric Map – Not Applicable

5. Geologic Cross Sections

Figure 6 Geologic Cross Sections - Not Applicable

6. Predicted Migration and Attenuation of CoCs

Figure 7 Predicted Migration and Attenuation of CoCs - Not Applicable



1,000 0 1,000 2,000
FEET

FIGURE 1
TOPOGRAPHIC MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, South Carolina

TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

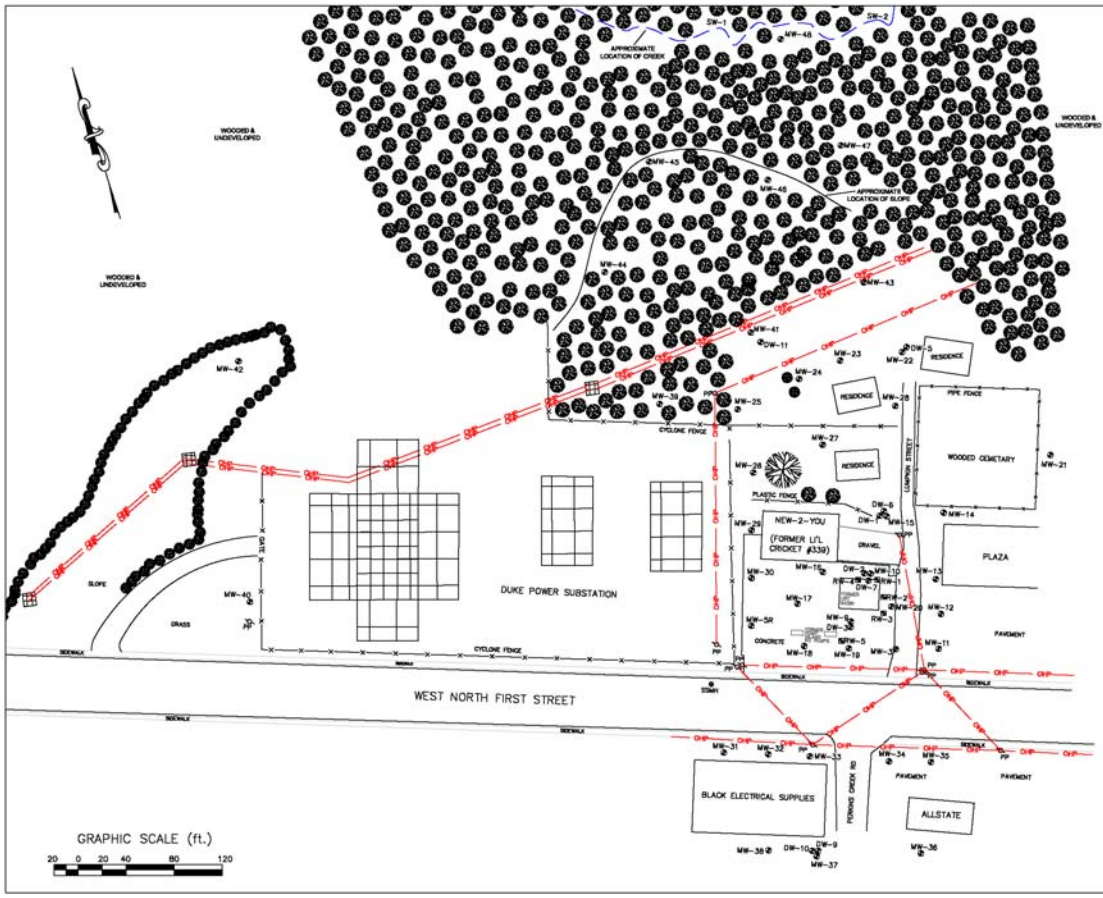
... providing our clients with the best services available, actually understanding our clients objectives, and making their obectives our own!

PO Box 25
Summerville, South Carolina 29484
(800) 325-0605 (843)-873-8200 fax: (843)-873-9765

SIZE	TERRY Project No.	DWG NO.	REV
B	2170O	Figure 1 Topo Map	

SCALE: As Shown

DATE: October 2016



TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

FIGURE 2
SITE BASE MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170O	07303
SCALE 1" = 80'	DATE October 2016

K. APPENDICES

1. Appendix A: Site Survey

Not Applicable

2. Appendix B: Sampling Logs and Laboratory Data

Not Applicable

3. Appendix C: Tax Map

Not Applicable

4. Appendix D: Soil Boring/Field Screening Logs

Not Applicable

5. Appendix E: Well Completion Logs/SCDHEC 1903 Forms

Not Applicable

6. Appendix F: Aquifer Evaluation Forms

Not Applicable

7. Appendix G: Disposal Manifests

8. Appendix H: Local Zoning Regulations

Not Applicable

9. Appendix I: Fate and Transport Modeling Data

Not Applicable

10. Appendix J: Access Agreements

Not Applicable

11. Appendix K: Data Verification Checklist

APPENDIX A

Site Survey
(Not Applicable)

APPENDIX B

Sampling Logs and Laboratory Data
(Not Applicable)

APPENDIX C

Tax Map
(Not Applicable)

APPENDIX D

Soil Boring/Field Screening Logs
(Not Applicable)

APPENDIX E

Well Completion Logs/SCDHEC 1903 Forms
(Not Applicable)

APPENDIX F

Aquifer Evaluation Forms
(Not Applicable)

APPENDIX G

Disposal Manifests

US Water Recovery

Non-Hazardous Manifest: Waste Water or Drums

Number:

1. Generator's EPA ID# (if applicable): Waste ID Number:

2. Generator's Name and Mailing Address: Phone ( )
Seneca SC
P O #:

3. Agent of Generator and Mailing Address: Phone ( )
Terry Environmental
P O #:

4. Transporter Company Name: Phone ( )
Goodsell Transport
Truck & Trailer License Number:

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address:
US Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Mailing Address:
US Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Phone: (843) 797-3111
Fax: (843) 797-1884

7 Facility U.S. EPA ID#:

Start Level: End Level: Total Gallons: Tank Number

8. U.S. DOT Description	Container No.	Container Type	Unit	Quantity
a. Non-Hazardous, non-regulated waste water	102	VT	Gal	~~700~~ 752

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable International and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: Paul Goodsell Signature: AS AGENT Date: 10-15-16

10. Transporter Acknowledgement of Receipt of Materials
Printed/Typed Name: Todd Brown Signature: Todd Brown Date: 10-15-16

11. Discrepancy Indication space:

12. Facility Owner or Operator: Certification of Receipt of Materials
Printed/Typed Name: Paul Goodsell Signature: Paul Goodsell Date 10-19-16

White - Facility Yellow - Office Pink - Transporter Blue - Generator

14852

21700

85409145

TICKET NUMBER

CERTIFIED AUTOMATED TRUCK SCALE

CAT SCALE COMPANY
P.O. BOX 630
WALCOTT, IA 52773
(563) 284-6263
www.catscale.com

640
85409145
PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT & MEASURE

THE CAT SCALE GUARANTEE

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.®

WEIGH WHAT WE SAY OR WE PAY®

If you get an overweight fine from the state **AFTER** one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

(1) Reimburse you for the cost of the overweight fine if our scale is wrong, **OR**
(2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

WEIGHMYTRUCK.CO
WEIGH USI
YO
PHON

IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:

1) Post bond and request a court date.
2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE, ext. 7 (Toll Free) or visit www.catscaleguarantee.com for instructions.
3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

* The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

DATE: 10-19-2016

SCALE 254

LOCATION: KANGAROO EXPRESS
I 26 EXIT 199B
SUMMERVILLE SC

STEER AXLE	10440	lb
DRIVE AXLE	15800	lb
TRAILER AXLE	12120	lb
* GROSS WEIGHT	38360	lb

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law.

IMPRINT SEAL HERE (IF APPLICABLE)

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED: FREIGHT ALL KINDS

COMPANY: GOODSELL

TRACTOR #: 05

TRAILER #: 105

WEIGH NUMBER 9145

FEE: $11.00

WEIGHMASTER OR WEIGHER SIGNATURE: TINA

FULL WEIGH TICKET # (IF REWEIGH):

CUSTOMER COPY

© CAT Scale® Reg 3065 07/1

85409159

TICKET NUMBER

CERTIFIED AUTOMATED TRUCK SCALE

CAT SCALE COMPANY
P.O. BOX 630
WALCOTT, IA 52773
(563) 284-6263
www.catscale.com

THE CAT SCALE GUARANTEE

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.©

WEIGH WHAT WE SAY OR WE PAY©

If you get an overweight fine from the state **AFTER** one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

(1) Reimburse you for the cost of the overweight fine if our scale is wrong, **OR**
(2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

WEIGHMYTRUCK.COM
WEIGH USING
YOUR
PHONE

IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:

1) Post bond and request a court date.
2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE, ext. 7 (Toll Free) or visit www.catscaleguarantee.com for instructions.
3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

* The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

DATE: 10-19-2016

1343
85409159

SCALE 254

LOCATION: KANGAROO EXPRESS
I 26 EXIT 199B
SUMMERVILLE SC

PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT & MEASURE

STEER AXLE	10380 lb
DRIVE AXLE	18560 lb
TRAILER AXLE	15680 lb
* GROSS WEIGHT	44620 lb

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law.

IMPRINT SEAL HERE (IF APPLICABLE)

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED: FREIGHT ALL KINDS

COMPANY: GOODSELL

TRACTOR #: 05

TRAILER #: 105

WEIGH NUMBER 9145

FEE: $2.00

WEIGHMASTER OR WEIGHER SIGNATURE: DIANA

FULL WEIGH TICKET # (IF REWEIGH): 85409145

CUSTOMER COPY

© CAT Scale® Reg. 8265 07/16

APPENDIX H

Local Zoning Regulations
(Not Applicable)

APPENDIX I

Fate and Transport Modeling Data
(Not Applicable)

APPENDIX J

Access Agreements
(Not Applicable)

APPENDIX K

Data Verification Checklist

Contractor Checklist – Former Li'l Cricket #339

UST Permit #07303 - TERRY Project #2170O

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			X
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?			X
7	Has the facility history been summarized?	X		
8	Has the regional geology and hydrogeology been described?	X		
9	Are the receptor survey results provided as required?			X
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?	X		
12	Has the primary soil type been described?	X		Sect. B3
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?			X
17	Has the method of well development been detailed?			X
18	Has justification been provided for the locations of the monitoring wells?			X
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	X		
20	Has the groundwater sampling methodology been detailed?			X
21	Have the groundwater sampling dates and groundwater measurements been provided?			X
22	Has the purging methodology been detailed?			X
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?			X
24	If free-product is present, has the thickness been provided?			X
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)			X
34	Has the current and historical laboratory data been provided in tabular format?			X

Item #	Item	Yes	No	N/A
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			X
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)			X
40	Has the site potentiometric map been provided? (Figure 5)			X
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)			X
45	Is the laboratory performing the analyses properly certified?			X
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)			X
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			X
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	X		

Explanation for missing and incomplete information?

Not Applicable for the current directive.

dhec
Healthy People Healthy Communities

MR JAMES P ZUBER
LIL CRICKET FOOD STORES INC
2010 VIBURNUM LN
ASHEVILLE NC 28803

NOV 29 2016

UST DOCKETING 564

Re: Site-specific work plan request
Former Li'l Cricket #339, 800 North West First Street, Seneca, SC
UST Permit #07303
Release reported April 27, 1989
Oconee County

Dear Mr. Zuber:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (DHEC) recognizes your commitment to continue work at this site using Terry Environmental Services, Inc. as your contractor. The next scope of work is ground-water sampling as outlined in your contractor's Annual Contractor Quality Assurance Plan (ACQAP). Please have your contractor plan to sample all monitoring wells, recovery wells, and surface water locations SW-1 and SW-2 for BTEX+naph+MtBE+DCA+oxygenates. Do not sample wells containing measurable (0.01') free-phase product. All work must be done in accordance with your contractor's ACQAP, and in compliance with all applicable regulations..

Your contractor must complete and submit a site-specific work plan and cost proposal for the sampling within 30 days of the date of this letter. Upon review and approval of the plan and cost proposal, the Division will issue a directive to you for the work.

On all correspondence concerning this site, please reference UST Permit #07303. If there are any questions, feel free to contact me by telephone at (803) 898-0655, by fax at (803) 898-0673, or by e-mail at padgetjp@dhec.sc.gov.

Sincerely,

Joel P. Padgett, P.G., Geologist/Hydrologist
Corrective Action Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

JPP/jpp
07303.sswp3

cc: Terry Environmental Services, Inc., P.O. Box 25, Summerville, SC 29484
Technical file

D H E C
PROMOTE PROTECT PROSPER

Site-Specific Work Plan for Approved ACQAP
Underground Storage Tank Management Division

UST DEC 08 2015 PROGRAM
UST 57 Cricket DOCKETING

To: Joel Padgett (SCDHEC Project Manager)
From: Kelly Cone (Contractor Project Manager)
Contractor: TERRY Environmental UST Contractor Certification Number: UCC-0223

Facility Name: Former Li'l Cricket #339 UST Permit #: 07303
Facility Address: 800 West North First Street, Seneca, South Carolina 29678
Responsible Party: Li'l Cricket Convenience Store (Mr. Jim Zuber) Phone: 910-512-9692
RP Address: 2010 Viburnum Lane, Asheville, NC 28803
Property Owner (if different): Thomas & Dorothy Glenn
Property Owner Address: 800 West North First Street, Seneca, South Carolina 29678
Current Use of Property: Commercial Property

Scope of Work (Please check all that apply)

☐ IGWA ☐ Tier II ☑ Groundwater Sampling ☐ GAC
☐ Tier I ☐ Monitoring Well Installation ☐ Other _____

Analyses (Please check all that apply)

Groundwater/Surface Water:

☑ BTEXNMDCA (8260B) ☐ Lead ☐ BOD ☐ Methane
☑ Oxygenates (8260B) ☐ 8 RCRA Metals ☐ Nitrate ☐ Ethanol
☐ EDB (8011) ☐ TPH ☐ Sulfate ☐ Dissolved Iron
☐ PAH (8270D) ☐ pH ☐ Other _____

Soil:

☐ BTEXN ☐ 8 RCRA Metals ☐ TPH-DRO (3550B/8015B) ☐ Grain Size
☐ PAH ☐ Oil & Grease (9071) ☐ TPH-GRO (5030B/8015B) ☐ TOC

Air:

☐ BTEXN

Sample Collection (Estimate the number of samples of each matrix that are expected to be collected.)

-- Soil -- Water Supply Wells -- Air 3 Field Blank
56 Monitoring Wells 2 Surface Water 3 Duplicate 3 Trip Blank

Field Screening Methodology

Estimate number and total completed depth for each point, and include their proposed locations on the attached map.

# of shallow points proposed: _____ Estimated Footage: _____ feet per point
# of deep points proposed: _____ Estimated Footage: _____ feet per point
Field Screening Methodology: _____

Permanent Monitoring Wells

Estimate number and total completed depth for each well, and include their proposed locations on the attached map.

# of shallow wells: _____ Estimated Footage: _____ feet per point
# of deep wells: _____ Estimated Footage: _____ feet per point
# of recovery wells: _____ Estimated Footage: _____ feet per point
Monitoring Well development method (consistent with SOP): _____
Comments, if warranted:

_____
_____
_____

UST Permit #: 07303 Facility Name: Former Li'l Cricket #339

Implementation Schedule (Number of calendar days from approval)
Field Work Start-Up: 14-30 days Field Work Completion: 30-45 days
Report Submittal: 60 days # of Copies Provided to Property Owners: _____

Aquifer Characterization
Pump Test: ☐ Slug Test: ☐ (Check one and provide explanation below for choice)

Investigation Derived Waste Disposal
Soil: -- Tons Purge Water: 110 Gallons
Drilling Fluids: -- Gallons Free-Phase Product: -- Gallons

Additional Details For This Scope of Work
For example, list wells to be sampled, wells to be abandoned/repaired, well pads/bolts/caps to replace, details of AFVR event, etc.
Conduct a comprehensive sampling event; monitoring wells MW-3, MW-5R, MW-9 thru MW-48, DW-1 thru DW-3, DW-5 thru DW-7, DW-9 thru DW-11, recovery wells RW-1 thru RW-5, and surface water locations SW-1 and SW-2 will be sampled. Only the monitoring wells with a water column that is not bracketed by the screened interval will be purged prior to sampling as the wells were last sampled in April 2016. Monitoring wells MW-43, MW-44, and MW-45 were not previously located. TERRY will make effort to locate and sample these wells.

Compliance With Annual Contractor Quality Assurance Plan (ACQAP)
Yes Laboratory as indicated in ACQAP? (Yes/No) If no, indicate laboratory information below.
Name of Laboratory: _____
SCDHEC Certification Number: _____
Name of Laboratory Director: _____

____ Well Driller as indicated in ACQAO? (Yes/No) If no, indicate driller information below.
Name of Well Driller: _____
SCLLR Certification Number: _____

____ Other variations from ACQAP. Please describe below.

Attachments
1. Attach a copy of the relevant portion of the USGS topographic map showing the site location.
2. Prepare a site base map. This map must be accurately scaled, but does not need to be surveyed. The map must include the following:
   - North Arrow
   - Location of property lines
   - Location of buildings
   - Previous soil sampling locations
   - Previous monitoring well locations
   - Proposed soil boring locations
   - Proposed monitoring well locations
   - Legend with facility name and address, UST permit number, and bar scale
   - Streets or highways (indicate names and numbers)
   - Location of all present and former ASTs and USTs
   - Location of all potential receptors
3. Assessment Component Cost Agreement, SCDHEC Form D-3664

dhec
Healthy People. Healthy Communities.

ASSESSMENT COMPONENT COST AGREEMENT
SOUTH CAROLINA
Department of Health and Environmental Control
Underground Storage Tank Management Division
State Underground Petroleum Environmental Response Bank Account
August 16, 2016

Facility Name: Former Li'l Cricket #339

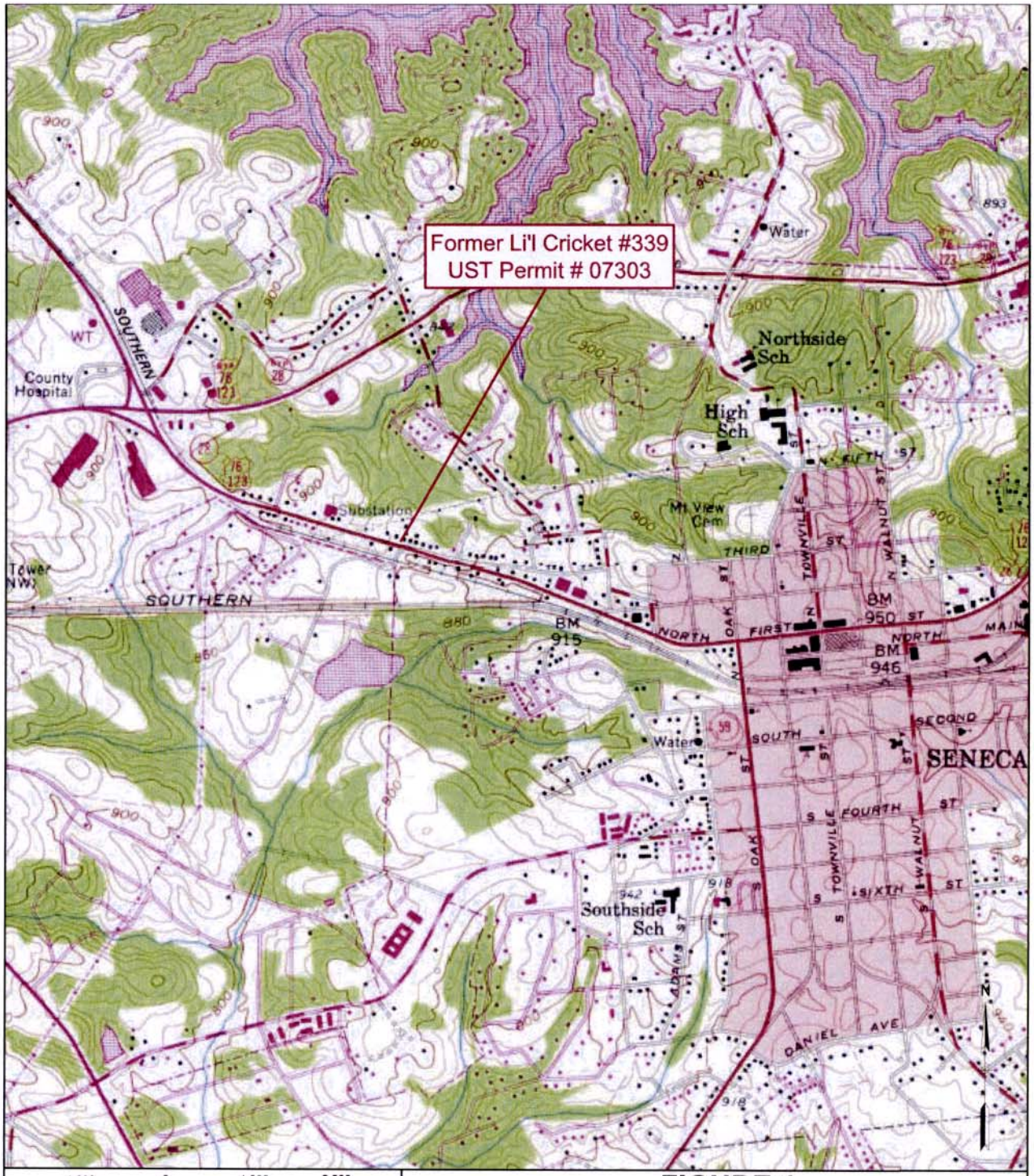
UST Permit #: 07303 **Cost Agreement #:** Proposal

ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
1. **Plan Preparation**				
A1. Site-specific Work Plan	1	each	$150.00	$150.00
B1. Tax Map		each	$70.00	$0.00
C1. Tier II or Comp. Plan /QAPP Appendix B		each	$250.00	$0.00
2. A1. **Receptor Survey ***		each	$551.00	$0.00
3. **Survey (500 ft x 500 ft)**				
A1. Comprehensive Survey		each	$1,040.00	$0.00
B. Subsurface Geophysical Survey				
1B. < 10 meters below grade		each	$1,300.00	$0.00
2B. > 10 meters below grade		each	$2,310.00	$0.00
C1. Geophysical UST or Drum Survey		each	$910.00	$0.00
4. **Mob/Demob**				
A1. Equipment		each	$1,020.00	$0.00
B1. Personnel	1	each	$423.00	$423.00
C1. Adverse Terrain Vehicle		each	$500.00	$0.00
5. A1. **Soil Borings (hand auger)***		foot	$5.00	$0.00
6. **Soil Borings (requiring equipment, push technology, etc)* or Field Screening (including water ssample, soil sample, soil gas sample, etc.)***				
AA. Standard		per foot	$15.00	$0.00
C1. Fractured Rock		per foot	$20.20	$0.00
7. A1. **Soil Leachability Model**		each	$60.00	$0.00
8. **Abandonment (per foot)***				
A1. 2" diameter or less		per foot	$3.10	$0.00
B1. Greater than 2" to 6" diameter		per foot	$4.50	$0.00
C1. Dug/Bored well (up to 6 feet diameter)		per foot	$15.00	$0.00
9. **Well Installation (per foot)***				
A1. Water Table (hand augered)		per foot	$10.60	$0.00
B1. Water Table (drill rig)		per foot	$38.00	$0.00
CC. Telescoping		per foot	$50.00	$0.00
DD. Rock Drilling		per foot	$58.00	$0.00
E1. 2" Rock Coring		per foot	$30.90	$0.00
G1. Rock Multi-sampling ports/screens		per foot	$33.40	$0.00
HH. Recovery Well (4" diameter)		per foot	$45.00	$0.00
II. Pushed Pre-packed screen (1.25" dia)		per foot	$15.00	$0.00
J1. Rotosonic (2" diameter)		per foot	$44.00	$0.00
K. Re-develop Existing Well		per foot	$11.00	$0.00
10. **Groundwater Sample Collection / Gauge Depth to Water or Product ***				
A1. Groundwater Purge	9	per well/receptor	$60.00	$540.00
B1. Air or Vapors		per receptor	$12.00	$0.00
C1. Water Supply		per well/receptor	$22.00	$0.00
D1. Groundwater NP (47), SW (2), or Dup (3)	52	per well/receptor	$28.00	$1,456.00
E1. Gauge Well only		per well	$7.00	$0.00
F1. Sample Below Product		per well	$12.00	$0.00
G1. Passive Diffusion Bag		each	$26.00	$0.00
H1. Field Blank	3	each	$24.60	$73.80

11. Laboratory Analyses-Groundwater					
A2. BTEXNM+Oxyg's+1,2 DCA+Eth(8260B)	67	per sample	$122.00		$8,174.00
AA1. Lead, Filtered		per sample	$13.80		$0.00
B2. Rush EPA Method 8260B (All of item A.)		per sample	$153.60		$0.00
C2. Trimethal, Butyl, and Isopropyl Benzenes		per sample	$36.40		$0.00
D1. PAH's		per sample	$60.60		$0.00
E1. Lead		per sample	$16.00		$0.00
F1. EDB by EPA 8011		per sample	$45.20		$0.00
FF1. EDB by EPA Method 8011 Rush		per sample	$68.20		$0.00
G1. 8 RCRA Metals		per sample	$63.40		$0.00
H1. TPH (9070)		per sample	$41.00		$0.00
II. pH		per sample	$5.20		$0.00
J1. BOD		per sample	$20.00		$0.00
PP. Ethanol		per sample	$14.80		$0.00
11. Analyses-Drinking Water					
L. BTEXNM+1,2 DCA (524.2)		per sample	$124.05		$0.00
M. 7-OXYGENATES & ETHANOL (8260B)		per sample	$91.75		$0.00
N. EDB (504.1)		per sample	$79.50		$0.00
O. RCRA METALS (200.8)		per sample	$100.00		$0.00
11. Analyses-Soil					
Q1. BTEX + Naphth.		per sample	$64.00		$0.00
R1. PAH's		per sample	$64.04		$0.00
S1. 8 RCRA Metals		per sample	$56.40		$0.00
U1. TPH-DRO (3550C/8015C)		per sample	$40.00		$0.00
V1. TPH- GRO (5030B/8015C)		per sample	$35.96		$0.00
W1. Grain size/hydrometer		per sample	$104.00		$0.00
X1. Total Organic Carbon		per sample	$30.60		$0.00
11. Analyses-Air					
Y1. BTEX + Naphthalene		per sample	$216.00		$0.00
11. Analyses-Free Phase Product					
Z1. Hydrocarbon Fuel Identification		per sample	$357.00		$0.00
12. Aquifer Characterization					
A1. Pumping Test*		per hour	$23.00		$0.00
B1. Slug Test*		per test	$191.00		$0.00
C1. Fractured Rock		per test	$100.00		$0.00
13. A1. **Free Product Recovery Rate Test***		each	$38.00		$0.00
14. Fate/Transport Modeling					
A1. Mathematical Model		each	$100.00		$0.00
B1. Computer Model		each	$100.00		$0.00
15. Risk Evaluation					
A. Tier I Risk Evaluation		each	$300.00		$0.00
B1. Tier II Risk Evaluation		each	$100.00		$0.00
16. A1. **Subsequent Survey***		each	$260.00		$0.00
17. Disposal (gallons or tons)*					
AA. Wastewater	110	gallon	$0.56		$61.60
BB. Free Product		gallon	$0.50		$0.00
C1. Soil Treatment/Disposal		ton	$60.00		$0.00
D1. Drilling fluids		gallon	$0.42		$0.00
18. Miscellaneous (attach receipts)					
		each	$0.00		$0.00
		each	$0.00		$0.00
		each	$0.00		$0.00
20. Tier I Assessment (Use DHEC 3665 form)		standard			$0.00
21. IGWA (Use DHEC 3666 form)		standard			$0.00
22. Corrective Action (Use DHEC 3667 form)		PFP Bid			$0.00

23. **Aggressive Fluid & Vapor Recovery (AFVR)**					
A1. 8-hour Event*		each	$1,375.00		$0.00
AA. 24-hour Event*		each	$3,825.00		$0.00
A3. 48-hour Event*		each	$6,265.00		$0.00
A4. 96-hour Event*		each	$12,567.50		$0.00
C1. Off-gas Treatment 8 hour		per event	$122.50		$0.00
C2. Off-gas Treatment 24 hour		per event	$241.50		$0.00
C3. Off-gas Treatment 48 hour		per event	$327.00		$0.00
C4. Off-gas Treatment 96 hour		per event	$780.00		$0.00
D. Site Reconnaissance		each	$203.25		$0.00
E1. Additional Hook-ups		each	$25.75		$0.00
F1. Effluent Disposal		gallon	$0.44		$0.00
G. AFVR Mobilization/Demobilization		each	$391.50		$0.00
24. **Granulated Activated Carbon (GAC) filter system installation & service:**					
A1. New GAC System Installation*		each	$1,900.00		$0.00
BB. Refurbished GAC Sys. Install*		each	$900.00		$0.00
C1. Filter replacement/removal*		each	$350.00		$0.00
DD. GAC System removal, cleaning, & refurbishment*		each	$275.00		$0.00
E1. GAC System housing*		each	$250.00		$0.00
F. In-line particulate filter		each	$150.00		$0.00
G1. Additional piping & fittings		foot	$1.50		$0.00
25. **Well Repair**					
A1. Additional Copies of the Report Delivered		each	$50.00		$0.00
B1. Repair 2x2 MW pad*		each	$50.00		$0.00
C1. Repair 4x4 MW pad*		each	$88.00		$0.00
D1. Repair well vault*		each	$118.00		$0.00
F1. Replace well cover bolts		each	$2.60		$0.00
G. Replace locking well cap & lock		each	$15.00		$0.00
H1. Replace/Repair stick-up*		each	$134.00		$0.00
II. Convert Flush-mount to Stick-up*		each	$150.00		$0.00
J1. Convert Stick-up to Flush-mount*		each	$130.00		$0.00
K1. Replace missing/illegible well ID plate		each	$12.00		$0.00
Report Prep & Project Management	12%	percent	$10,878.40		$1,305.41
TOTAL					$12,183.81

*The appropriate mobilization cost can be added to complete these tasks, as necessary



1,000 0 1,000 2,000
FEET

FIGURE 1
TOPOGRAPHIC MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, South Carolina

TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

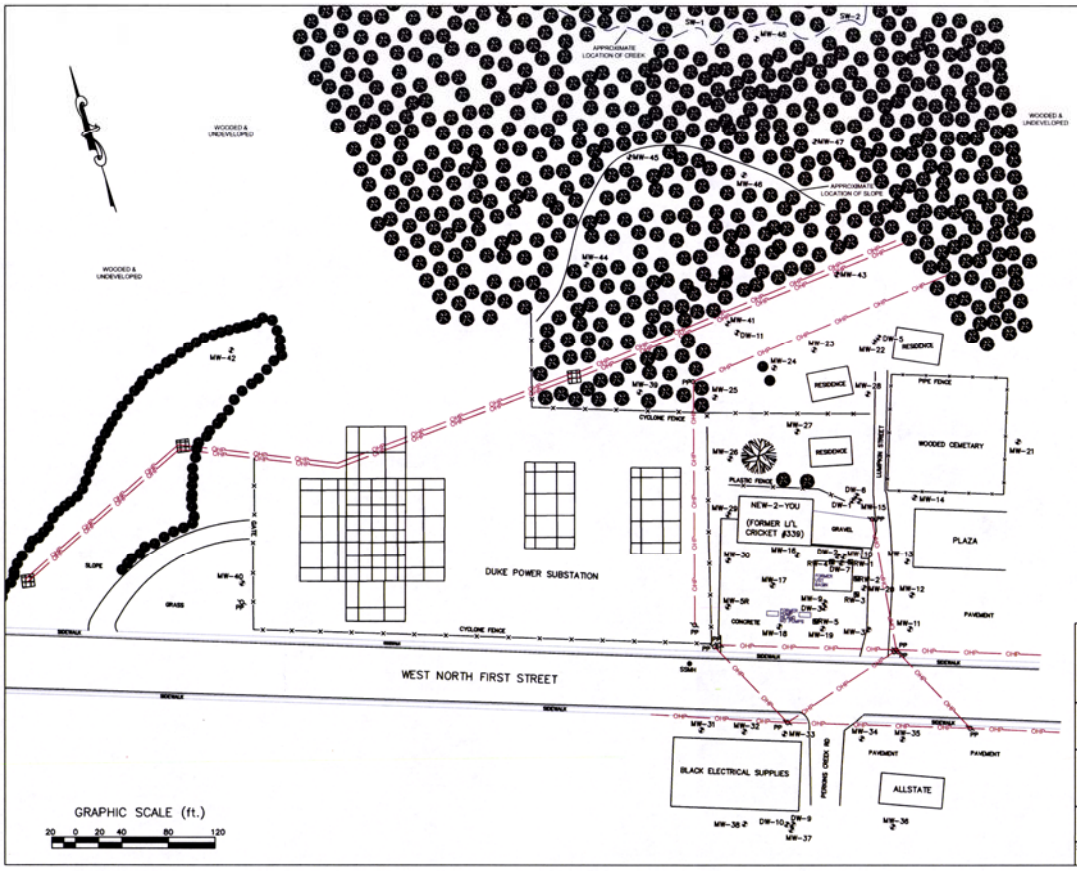
... providing our clients with the best services available, actually understanding our clients objectives, and making their obectives our own!

PO Box 25
Summerville, South Carolina 29484
(800) 325-0605 (843)-873-8200 fax: (843)-873-8765

SIZE	TERRY Project No.	DWG NO.	REV
B	2170P	Figure 1 Topo Map	

SCALE: As Shown

DATE: December 2016



LEGEND AND ABBREVIATIONS:

- MW = MONITORING WELL
- RW = RECOVERY WELL
- SSMH = SANITARY SEWER MAN HOLE
- PP = POWER POLE
- UST = UNDERGROUND STORAGE TANK
- —X— = FENCE
- —OHP— = OVERHEAD POWER LINE

ALL MW AND SAMPLE IDENTIFICATIONS ARE PRECEDED BY UST PERMIT #07303 (ie. 07303-MW3)

TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

FIGURE 2
SITE BASE MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170P	07303
SCALE: 1" = 80'	DATE: December 2016

dhec
Healthy People. Healthy Communities

JAN 1 2 2017

UST 58 Seale DOCKETING

JAMES P ZUBER
LIL CRICKET FOOD STORES INC
2010 VIBURNUM LN
ASHEVILLE NC 28803

Re: **Sample Directive**
Lil Cricket #339, 800 N W First St., Seneca, SC
UST Permit #07303; CA #53867
Release reported April 27, 1989
Site-Specific Work Plan received December 8, 2016
Oconee County

Dear Mr. Zuber:

On behalf of the Department of Health and Environmental Control (DHEC), the Underground Storage Tank (UST) Management Division has reviewed the referenced plan submitted on your behalf by Terry Environmental Services, Inc. Sampling of the monitoring and recovery wells, and surface water is necessary. All work should be conducted in accordance with the contractor's ACQAP and must be conducted in compliance with all applicable regulations. A copy of QAPP Revision 3.1 for the UST Management Division is available at http://www.scdhec.gov/environment/docs/DHEC%20UST%20QAPP_Rev-3.1(2).pdf.

Activities at the site should begin immediately upon receipt of this letter. Cost agreement # 53867 has been approved for the amount shown on the enclosed cost agreement form for the sampling of the monitoring and recovery wells, and surface waters, and analysis for BTEX, naphthalene, MTBE, 1,2-DCA, oxygenates, and EDB. Analyses should be in accordance with Appendix F of the QAPP to include duplicate samples, field and trip blanks. Wells with well screens that bracket the water table interface should not be purged.

The Monitoring Report and invoice are due within 60 days from the date of this letter. The report submitted at the completion of these activities should include the required information outlined in the QAPP. Please note that all applicable South Carolina certification requirements apply to the services and report preparation. All site rehabilitation activities must be performed and submitted by a South Carolina Certified Underground Storage Tank Site Rehabilitation Contractor.

Terry Environmental Services, Inc. can submit an invoice for direct payment from the State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. By law, the SUPERB Account cannot compensate any costs that are not pre-approved.

Please note that applicable South Carolina certification requirements regarding the services and report preparation must be satisfied. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

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 is obtained from the DHEC. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be pre-approved by the DHEC for the cost to be paid. The DHEC 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, the DHEC reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

Please note, if unnecessary dilutions are completed resulting in reporting limits of individual CoC in excess of Risk-Based Screening Levels (RBSLs), the data cannot be used. In those cases, the Agency may deny payment for any non-detect analysis where the reporting limit exceeds the RBSL. The UST Management Division encourages the use of 'J' values as necessary so the appropriate action can be determined for a release.

The DHEC grants pre-approval for transportation of virgin petroleum impacted soil and groundwater from the referenced site to a permitted treatment facility. The transport and disposal must be conducted in accordance with the QAPP. If the CoC concentrations based on laboratory analysis are below 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.

On all correspondence regarding this site, please reference UST Permit #07303. If you have any questions regarding this correspondence, please contact me by telephone at (803) 898-0608 or by e-mail at minerrs@dhec.sc.gov.

Sincerely,

Read S. Miner

Read S. Miner, P.G., Hydrogeologist
Corrective Action Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

enc: Approved Cost Agreement

cc: Terry Environmental Services, Inc., PO Box 25, Summerville, SC 29484 (with enclosure)
Technical File (with enclosure)

Approved Cost Agreement 53867

Facility: 07303 LIL CRICKET 339

PADGETJP

PO Number:

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
01 PLAN						
		A1	SITE SPECIFIC WORK PLAN	1.0000	$150.000	150.00
04 MOB/DEMOB						
		B1	PERSONNEL	1.0000	$423.000	423.00
10 SAMPLE COLLECTION						
		A1	GROUNDWATER (PURGE)	9.0000	$60.000	540.00
		D1	GROUNDWATER NO PURGE/DUPLICATE	52.0000	$28.000	1,456.00
		H1	FIELD BLANK	3.0000	$24.600	73.80
11 ANALYSES						
	GW GROUNDWATER	A2	BTEXNM+OXYGS+1,2-DCA+ETH-8260B	67.0000	$122.000	8,174.00
17 DISPOSAL						
		AA	WASTEWATER	110.0000	$0.560	61.60
19 RPT/PROJECT MNGT & COORDINATIO						
		PRT	REPORT PREPARATION	0.1200	$10,878.400	1,305.41
				Total Amount		12,183.81

Document Receipt Information

☐ **Hard Copy** ☒ **CD** ☐ **Email**

Date Received 3-9-17

Permit Number #07303

Project Manager Read Miner

Name of Contractor TEG

UST Certification Number _____

Docket Number 59T

Scanned _____

GWM

GROUNDWATER MONITORING REPORT
FORMER LI'L CRICKET #339
800 WEST NORTH FIRST STREET
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
CA #53867

Prepared For:

SCDHEC UNDERGROUND STORAGE TANK PROGRAM
2600 BULL ST.
COLUMBIA, SC 29201

Submitted By:

TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. BOX 25
SUMMERVILLE, SOUTH CAROLINA 29484
(843) 873-8200
Fax (843) 873-8765
www.terryenvironmental.com

UST CONTRACTOR #UCC-0223
TERRY PROJECT #2170P

Kelly K. Cone, PG
Vice President, Assessment Services

Jason A. Terry, PG
President

KELLY K. CONE REGISTERED No. 2509 SOUTH CAROLINA PROFESSIONAL GEOLOGIST

FEBRUARY 2017

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A. INTRODUCTION

1. UST Facility and Owner/Operator Information

Facility Name (Permit #) : Former Li'l Cricket #339 (07303)
Facility Address: 800 West North First Street, Seneca, South Carolina 29678
Facility Telephone: n/a – Not Operating

Owner/ Operator Name: Li'l Cricket Convenience Stores (Mr. Jim Zuber)
Owner/ Operator Address: 2010 Viburnum Lane, Asheville, NC 28803
Owner/ Operator Telephone: 910-512-9692

2. Property Owner Information

Name: Thomas & Dorothy Glenn
Address: 800 West North First Street, Seneca, South Carolina 29678
Telephone: 864-710-8747

3. Contractor Information

Name: Terry Environmental Services, Inc.
Address: P.O. Box 25, Summerville, South Carolina 29484
Telephone: 843-873-8200
Certification: UCC-0223

4. Well Driller Information

Not Applicable

5. Laboratory Information

Name: Shealy Environmental Services Inc. (Shealy)
Address: 106 Vantage Point Drive, Columbia, SC 29172
Telephone: 803-791-9700
Certification: 32010

6. Site History

Date Release Reported to SCDHEC: April 27, 1989
Estimated Quantity of Product Released: Unknown
Cause of Release: Unknown
Current use of Facility: Commercial property

UST #	Product	Date Installed	Currently In Use (Yes or No)	If not in use, Date Removed
1 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
2 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
3 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
4 (4,000 gal)	Kerosene	Unknown	No	2/22/2000

Other Releases at this site? Yes _____ No **XXXX**
If yes, Date Release Reported to SCDHEC n/a
Status of Release: **n/a**
No Further Action Date: n/a

7. Regional Geology and Hydrogeology

The Former Li'l Cricket #339 site is located in Seneca, SC which lies in the Western Piedmont Province of South Carolina approximately 20 miles to the southeast of the Brevard fault zone. The western piedmont is comprised of the Inner Piedmont block, the Smith River allochthon, and the Sauratwon Mountain window. The Inner Piedmont block encompasses the Inner Piedmont belt and the Chauga belt, and consists of a composite stack of thrust sheets containing a variety of gneisses, schists, amphibolites, sparse ultramafic bodies, and intrusive granitoids. (The Geology of the Carolinas, Horton & Zullo, 1991)

The Former Li'l Cricket #339 site is located in the Inner Piedmont Belt which consists of sillimanite-grade regional metamorphism that decreases in grade to the northwest towards Pickens. Generally, wells drilled to depths less than 250 feet in the rocks of the Inner Piedmont Belt of Pickens County yield one-half to 500 gallons per minute. The highest average yields were obtained from wells drilled in biotite granite gneiss and the lowest average yields were from wells drilled in hornblende gneiss. The average yield of all wells inventoried was 21 gallons per minute. (USGS/SCWRC Report 1: A Reconnaissance of the Water Resources of Pickens County, South Carolina, 1968)

B. RECEPTOR SURVEY & SITE DATA

1. Receptor Survey Results

A receptor survey was not conducted during this scope of work.

2. Current Site and Adjacent Land Use

Description of current site use (commercial, residential, rural, etc.):
Commercial

Description of adjacent land use (commercial, residential, rural, etc):
Commercial, residential, and Duke Power substation

UST sites within a 1,000-foot radius:
Unknown

The site is located at 800 West North First Street in Seneca, South Carolina. The site is bordered to the north by residential property, to the east by commercial property, to the south by West North First Street, and to the west by a Duke Power substation. Further to the south across West North First Street are commercial properties. The general site location is shown on the Topographic Map provided in Section J as Figure 1. A detailed Site Base Map originating from a comprehensive survey completed by Jay S. Joshi (SC Registered Land Surveyor #14811) of Construction Support Services, Inc. on October 8, 2008 is provided in Appendix 1 as Figure 2.

3. Site-Specific Geology and Hydrogeology

Based on the Tier II Assessment reported in March 2009, the general soil profile onsite consists of mostly clayey silt and sandy silt. Partially weathered rock and/or bedrock were encountered at depths ranging from approximately 28 feet to 45 feet below ground surface (bgs). The Site Potentiometric Maps (Figures 5A and 5B, Section J) indicate that shallow groundwater flow is generally to the north and deep groundwater flow is generally to the north-northeast.

C. SOIL ASSESSMENT/FIELD SCREENING INFORMATION & METHODOLOGY

Not Applicable. No soil or groundwater borings were installed during this scope of work.

D. MONITORING WELL INFORMATION

Not Applicable. No monitoring wells were installed during this scope of work.

E. GROUNDWATER DATA

1. Groundwater Sampling Methodology

TERRY conducted a comprehensive sampling event at the site between February 1 and February 3, 2017. Just prior to the sampling event, the monitoring wells were gauged with an oil/water interface probe to determine depth to groundwater measurements and the presence or absence of free-phase petroleum. Water level was recorded to the nearest 0.01 foot and total well depth was recorded to the nearest 0.1 foot. Off-site monitoring wells MW-43, MW-44 and MW-45 could not be located due to heavy vegetation. Two surface water samples (SW-1 and SW-2) were also collected from the creek located in the wooded area to the north of the subject site.

Sampling was conducted from the least contaminated wells to the most contaminated wells based on the previous assessment data. A clean purge pump with new disposable tubing was utilized for purging the wells with large casing volumes and/or adequate recharge rates. Groundwater samples were collected from each monitoring well with a new disposable bailer. Bailers with new colorless nylon rope were slowly lowered into the top of the water column, allowed to fill, and slowly removed to minimize turbidity and disturbance of the volatile organic compounds (VOCs). The surface water samples were also collected with a new disposable bailer.

Trip blanks, field blanks, and field duplicates were prepared or collected in accordance with the SCDHEC UST QAPP, Revision 3.1. One trip blank was shipped with each cooler and analyzed for VOCs. One field blank was collected for each day of sampling and analyzed for VOCs. One field duplicate was collected for each batch of twenty samples and analyzed for VOCs.

Samples were immediately packed in a cooler of ice and proper temperatures were maintained in accordance with the SCDHEC UST QAPP, Revision 3.1 and the site-specific Addendum. At the completion of the sampling event, the samples were submitted to a SCDHEC certified laboratory for analyses. The samples were analyzed for Benzene, Toluene, Ethylbenzene, Xylenes, Naphthalene, Methyl tertiary butyl ether, 1,2-Dichloroethane, Oxygenates, and Ethanol.

Field conditions were documented throughout the sampling event. All field measurement equipment was properly cleaned and decontaminated before use, between each well, and prior to site departure in accordance with "Appendix H: Standard Field Cleaning Procedures" of the SCDHEC UST QAPP, Revision 3.1. By-products were initially stored onsite in a 55 gallon drum and transported to US Water Recovery for disposal and the disposal Manifest is provided in Appendix G. The field measurement equipment was properly calibrated prior to the sampling event and verified after four (4) hours of use and at the completion of the event. The calibration and verification data for the sampling event is provided in Appendix B.

Depth to groundwater measurements were taken with reference to the top of well casing (TOC) and converted to elevations by subtracting the depth to groundwater measurements from the TOC elevations. Potentiometric data are provided in Section I as Table 2 and on the Groundwater Sampling Logs provided in Appendix B. The groundwater measurements collected during the sampling event for the no-purge wells are provided as follows:

SECTION E -1
GROUNDWATER MEASUREMENTS (NO PURGE SAMPLING)
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303

Well	Date	pH	Specific Conductance	Water Temperature	Turbity	Dissolved Oxygen
Units	--	su	mS/cm	°C	NTU	mg/L
07303-MW3	2/2/2017	5.55	0.060	19.6	0.0	1.71
07303-MW10	2/3/2017	Free Product (0.14 ft)				
07303-MW11	2/2/2017	5.31	0.056	19.7	0.0	3.32
07303-MW12	2/3/2017	5.43	0.069	18.7	25.4	2.55
07303-MW13	2/3/2017	5.82	0.107	17.7	33.0	1.67
07303-MW14	2/2/2017	7.26	0.084	19.3	0.0	2.57
07303-MW15	2/2/2017	5.42	0.350	20.3	14.3	1.96
07303-MW16	2/2/2017	6.19	0.151	19.3	29.2	1.26
07303-MW17	2/2/2017	6.40	0.075	19.5	4.5	2.11
07303-MW18	2/3/2017	8.49	0.193	18.4	7.4	2.05
07303-MW19	2/3/2017	6.13	0.196	18.1	7.3	2.32
07303-MW20	2/3/2017	6.27	0.275	18.8	0.0	2.01
07303-MW21	2/2/2017	7.97	0.055	19.2	22.2	9.10
07303-MW22	2/2/2017	10.20	0.335	19.4	44.6	3.54
07303-MW23	2/2/2017	6.39	0.262	19.6	0.0	1.53
07303-MW24	2/2/2017	6.46	0.231	19.2	2.1	1.83
07303-MW25	2/2/2017	6.26	0.351	19.2	8.0	1.91
07303-MW26	2/2/2017	6.20	0.414	19.6	12.9	12.0
07303-MW27	2/2/2017	6.40	0.168	19.1	11.5	3.46
07303-MW28	2/2/2017	9.01	0.131	19.2	14.2	2.26
07303-MW29	2/2/2017	6.26	0.167	19.4	0.0	0.88
07303-MW31	2/1/2017	6.04	0.029	19.9	2.5	6.06
07303-MW32	2/1/2017	5.43	0.067	19.6	3.8	2.63
07303-MW33	2/1/2017	5.56	0.084	19.3	0.3	3.37
07303-MW34	2/1/2017	5.09	0.024	19.6	0.0	3.66
07303-MW35	2/1/2017	5.57	0.059	19.1	1.2	3.51
07303-MW36	2/1/2017	6.14	0.046	20.2	0.0	11.96
07303-MW37	2/1/2017	5.38	0.059	21.2	0.0	3.68
07303-MW38	2/1/2017	6.55	0.099	21.8	3.1	4.08
07303-MW39	2/2/2017	6.62	0.076	19.5	15.3	6.29

07303-MW40	2/1/2017	5.32	0.029	19.7	4.4	6.50
07303-MW41	2/2/2017	6.57	0.143	19.2	32.1	2.49
07303-MW42	2/1/2017	5.61	0.059	17.6	9.0	3.38
07303-MW43	2/2/2017	Could Not Find				
07303-MW44	2/2/2017	Could Not Find				
07303-MW45	2/2/2017	Could Not Find				
07303-MW46	2/2/2017	5.46	0.035	17.0	11.4	4.34
07303-MW47	2/2/2017	5.27	0.023	16.1	27.5	4.35
07303-MW48	2/2/2017	5.42	0.121	16.2	31.2	8.30
07303-RW1	2/3/2017	7.77	0.400	17.2	23.1	1.49
07303-RW2	2/3/2017	6.09	0.275	19.0	5.0	1.44
07303-RW3	2/3/2017	6.34	0.279	18.7	2.5	2.92
07303-RW4	2/3/2017	8.73	0.278	17.9	3.4	2.48
07303-RW5	2/3/2017	Free Product (0.08 ft)				

NOTES/KEY:
su = standard unit
mS/cm = milliSiemens per centimeter
NTU = nephelometric turbity units
mg/L = milligrams per liter

2. Purging Methodology

Purging was conducted from the least contaminated wells to the most contaminated wells based on the previous assessment data. Prior to purging, new plastic sheeting was placed on the ground surface around the well to prevent contamination of pumps, hoses, meters, etc. For monitoring wells with smaller casing volumes and/or slow recharge rates, a new disposable bailer was utilized for purging. When utilized, bailers with new colorless nylon rope were slowly lowered into the top of the water column, allowed to fill, and slowly removed to minimize turbidity and disturbance of the VOCs. When utilized, the purge pump was lowered approximately 3-5 feet into the standing water column and adjusted only if the pumping rate exceeded the recovery rate as drawdown occurred. In accordance with the SCDHEC UST QAPP, Revision 3.1, an adequate purge was achieved when pH, specific conductance, and temperature of the groundwater stabilized, and turbidity either stabilized or was below 10 nephelometric turbidity units (NTUs). The purge and decontamination water generated was initially stored onsite in a 55 gallon drum until analytical results were reported. The non-contaminated water generated was disposed onsite and poured onto a non-pervious surface in the source area. The contaminated water was transported to US Water Recovery for disposal and the disposal Manifest is provided in Appendix G.

If a well was pumped or purged dry, even with reduced purge rates, the well was considered adequately purged per the SCDHEC UST QAPP, Revision 3.1. The sample was collected immediately following sufficient recovery to fill all sampling containers. The groundwater measurements collected during the sampling event for the purged wells are provided as follows:

SECTION E -2 GROUNDWATER MEASUREMENTS (PURGE SAMPLING) FORMER LI'L CRICKET #339 SENECA, SOUTH CAROLINA SCDHEC UST PERMIT #07303							
07303-MW5R	**2/2/2017**						
Volume (gal)	Initial	1.75	3.50	5.25	7.00	8.75	10.50/Sample
Time (military)	1625	1629	1633	1637	1641	1643	1649
pH (su)	6.11	6.38	6.44	6.45	6.71	6.73	6.75
Spec Conductivity (mS/cm)	0.211	0.214	0.223	0.241	0.245	0.244	0.249
Water Temperature (°C)	19.2	18.9	18.7	18.6	18.8	18.8	18.8
Turbidity (NTU)	38.2	204	176	111	128	123	122
Dissolved Oxygen (mg/L)	2.47	2.55	2.48	2.43	1.43	1.41	1.39
07303-MW9	**2/3/2017**						
Volume (gal)	Initial	2.75	5.50	8.25/Sample			
Time (military)	1120	1123	1126	1129			
pH (su)	6.59	6.42	6.41	6.40			
Spec Conductivity (mS/cm)	0.081	0.093	0.095	0.095			
Water Temperature (°C)	19.1	18.8	18.8	18.8			
Turbidity (NTU)	0.0	48.4	47.6	49.7			
Dissolved Oxygen (mg/L)	3.08	5.45	5.41	5.36			
07303-MW30	**2/2/2017**						
Volume (gal)	Initial	1.75	3.50	5.25	7.00	8.75	10.50/Sample
Time (military)	1535	1539	1543	1547	1551	1555	1559
pH (su)	7.03	6.72	6.49	6.38	6.33	6.31	6.28
Spec Conductivity (mS/cm)	0.131	0.125	0.129	0.118	0.104	0.109	0.104
Water Temperature (°C)	18.9	18.8	18.7	18.5	18.4	18.4	18.4
Turbidity (NTU)	14.2	39.2	35.4	35.3	34.2	33.8	34.2
Dissolved Oxygen (mg/L)	2.44	2.13	2.39	2.33	2.30	2.28	2.22
07303-DW1	**2/2/2017**						
Volume (gal)	Initial	2.75	5.50	8.25	11.00	13.75	16.50/Sample
Time (military)	1402	1405	1408	1411	1414	1417	1420
pH (su)	7.01	7.11	7.37	7.28	6.02	5.96	5.92
Spec Conductivity (mS/cm)	0.152	0.155	0.178	0.182	0.170	0.171	0.165
Water Temperature (°C)	19.3	19.1	19.1	19.6	19.2	19.2	19.2
Turbidity (NTU)	8.3	96.2	33.0	18.7	0.5	0.2	0.0
Dissolved Oxygen (mg/L)	2.89	3.01	2.20	3.06	1.27	1.26	1.22
07303-DW2	**2/3/2017**						
Volume (gal)	Initial	3.0	6.0	9.0	12.0	15.0	18.0/Sample
Time (military)	0958	1001	1004	1007	1010	1013	1016
pH (su)	11.47	9.24	6.50	6.50	6.50	6.51	6.52
Spec Conductivity (mS/cm)	2.87	1.38	0.161	0.153	0.156	0.155	0.155
Water Temperature (°C)	16.3	17.2	18.6	18.5	18.5	18.5	18.5
Turbidity (NTU)	22.4	132	0.0	16.2	2.3	1.9	1.8
Dissolved Oxygen (mg/L)	2.18	2.11	2.05	2.42	2.31	2.33	2.35
07303-DW3	**2/3/2017**						
Volume (gal)	Initial	3.25	6.50	9.75	13.00	16.25	19.50/Sample
Time (military)	1035	1038	1041	1044	1047	1050	1053
pH (su)	8.39	8.12	7.49	7.32	6.30	6.28	6.22
Spec Conductivity (mS/cm)	0.207	0.189	0.180	0.167	0.163	0.161	0.160
Water Temperature (°C)	17.3	18.1	18.2	17.9	17.8	17.8	17.8
Turbidity (NTU)	31.5	11.4	5.2	0.5	0.3	0.1	0.0
Dissolved Oxygen (mg/L)	3.12	2.62	1.86	3.11	0.93	0.89	0.88
07303-DW5	**2/2/2017**						
Volume (gal)	Initial	1.0	2.0	3.0	4.0	5.0	6.0/Sample
Time (military)	1208	1211	1214	1217	1220	1223	1226
pH (su)	11.86	11.88	11.41	11.35	11.29	11.22	11.25
Spec Conductivity (mS/cm)	6.18	5.85	6.69	6.63	6.41	6.40	6.37
Water Temperature (°C)	19.4	19.2	18.8	18.4	18.3	18.3	18.3
Turbidity (NTU)	65.2	92.5	86.3	82.1	80.1	79.4	79.1
Dissolved Oxygen (mg/L)	2.61	3.79	3.31	3.30	3.22	3.17	3.15

07303-DW6	**2/2/2017**						
Volume (gal)	Initial	6.5	13.0	19.5	26.0	32.5	39.0/Sample
Time (military)	1325	1329	1333	1337	1341	1345	1349
pH (su)	9.86	10.19	10.29	10.24	10.11	10.12	10.15
Spec Conductivity (mS/cm)	0.303	0.356	0.356	0.356	0.362	0.362	0.362
Water Temperature (°C)	19.5	19.1	19.1	19.3	19.6	19.6	19.6
Turbidity (NTU)	7.9	10.0	1.6	3.1	9.1	9.3	9.7
Dissolved Oxygen (mg/L)	0.99	2.09	2.71	1.58	2.38	2.31	2.30
07303-DW7	**2/3/2017**						
Volume (gal)	Initial	4.75	9.50	14.25	19.0	23.75	28.50/Sample
Time (military)	0920	0924	0928	0932	0936	0940	0944
pH (su)	11.71	11.62	11.60	11.54	11.47	11.53	11.84
Spec Conductivity (mS/cm)	2.93	2.90	2.87	2.70	2.38	2.40	2.42
Water Temperature (°C)	15.7	16.2	17.7	17.3	16.8	16.8	16.8
Turbidity (NTU)	0.0	123	93.8	48.1	16.7	16.1	15.4
Dissolved Oxygen (mg/L)	2.36	2.11	2.14	2.08	6.42	6.58	6.55
07303-DW9	**2/1/2017**						
Volume (gal)	Initial	3.50	7.00	10.50	14.0	17.5	21.0/Sample
Time (military)	1400	1403	1406	1409	1412	1415	1418
pH (su)	10.57	9.76	8.87	8.36	8.15	8.11	8.09
Spec Conductivity (mS/cm)	0.352	0.135	0.125	0.118	0.117	0.117	0.117
Water Temperature (°C)	20.1	19.3	19.3	19.1	19.1	19.1	19.1
Turbidity (NTU)	4.1	4.0	0.0	0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L)	1.01	3.73	3.06	3.82	3.17	3.19	3.14
07303-DW10	**2/1/2017**						
Volume (gal)	Initial	6.75	13.50	20.25	27.0	33.75	40.50/Sample
Time (military)	1330	1334	1338	1342	1346	1350	1354
pH (su)	11.15	11.42	11.49	11.46	11.45	11.41	11.40
Spec Conductivity (mS/cm)	1.43	1.70	1.74	1.76	1.77	1.76	1.75
Water Temperature (°C)	21.6	20.2	20.1	19.5	19.5	19.5	19.5
Turbidity (NTU)	7.1	34.3	24.2	38.7	20.1	20.3	20.4
Dissolved Oxygen (mg/L)	2.21	1.32	5.53	3.65	1.12	1.10	1.06
07303-DW11	**2/2/2017**						
Volume (gal)	Initial	2.50	5.00	7.50	10.0	12.5	15.0/Sample
Time (military)	1010	1013	1016	1019	1022	1025	1028
pH (su)	6.07	6.26	6.38	6.32	6.28	6.31	6.30
Spec Conductivity (mS/cm)	0.299	0.281	0.267	0.261	0.254	0.255	0.254
Water Temperature (°C)	17.3	17.6	17.7	17.7	17.8	17.8	17.8
Turbidity (NTU)	60.9	81.4	29.5	23.7	24.9	25.1	25.2
Dissolved Oxygen (mg/L)	6.51	6.18	2.08	1.65	1.30	1.30	1.29
Volume (gal)	Duplicate (DUP)						
Time (military)	1030						
pH (su)							
Spec Conductivity (mS/cm)							
Water Temperature (°C)							
Turbidity (NTU)							
Dissolved Oxygen (mg/L)							

NOTES/KEY:
gal = gallons
unit
mS/cm = milliSiemens per centimeter
NTU = nephelometric turbity units
mg/L = milligrams per liter

3. Free Product Measurements

Free-phase petroleum was measured in monitoring well MW-10 (0.14 feet) and RW-5 (0.08 feet) on February 3, 2017.

F. AFVR INFORMATION

Not Applicable. No Aggressive Fluid Vapor Recovery (AFVR) Events were performed during this scope of work.

G. GRANULATED ACTIVATED CARBON INSTALLATION

Not Applicable. No granulated activated carbon units were installed during this scope of work.

H. RESULTS & DISCUSSION

1. Assessment Results

During this scope of work, TERRY conducted a comprehensive groundwater sampling event between February 1 and February 3, 2017 in accordance with the SCDHEC UST QAPP, Revision 3.1 and the associated site-specific work plan submitted in December 2017. Off-site monitoring wells MW-43, MW-44 and MW-45 could not be located. Free-phase petroleum was measured in monitoring well MW-10 and RW-5.

The groundwater analytical data are summarized in Section I as Table 3, and are included in Appendix B. The analytical data were used to generate contaminant concentration maps for CoC's detected by the laboratory and are provided in Section J as Figures 4A and 4B. Based on the analytical data, groundwater contamination is present above Risked-Based Screening Levels (RBSLs) in the source area (MW-9, MW-10, MW-16, MW-19, MW-20, RW-1, RW-2, RW-3, and RW-5) and migrates in the direction of groundwater flow (MW-15, MW-23, MW-24, MW-25, MW-26, MW-27, and DW-11). The plume is horizontally defined but remains vertically undefined down gradient to the north (DW-11). The analytical data for the surface water samples indicate that MTBE was detected but at levels below the RBSL.

The previously conducted AFVR events were successful at removing free phase product, recovering contaminant mass, and exposing the free product smear zone to vacuum. As such, it is recommended to conduct two additional 96-hour AFVR events on the monitoring/recovery well network in the source area; Event 1 on monitoring well MW-19 and RW-5 and Event 2 on recovery wells RW-1 and MW-10.

2. Aquifer Evaluation Results

Not Applicable

3. Fate & Transport Results

Not Applicable

4. Tier 1 Risk Evaluation

Not Applicable

5. Tier 2 Risk Evaluation

Not Applicable

I. TABLES

1. Soil Analytical Data

Table 1 Soil Analytical Data - Not Applicable

2. Potentiometric Data

Table 2 Groundwater Potentiometric Data - Attached

3. Laboratory Data

Table 3 Groundwater Laboratory Data - Attached

4. Aquifer Characteristics

Table 4 Aquifer Characteristics - Not Applicable

5. Site Conceptual Model

Table 5 Site Conceptual Model - Not Applicable

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170P

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW3	10/1/2008	152.15	37-55	-	41.28	-	110.87
	2/16/2009			-	41.54	-	110.61
	6/22/2009			Not Sampled			
	2/25/2011			-	38.78	-	113.37
	4/29/2015			-	38.87	-	113.28
	4/5/2016			-	37.93	-	114.22
	2/2/2017			-	40.85	-	111.30
07303-MW5R	10/1/2008	150.01	50-60	-	59.55	-	90.46
	2/16/2009			-	53.20	-	96.81
	6/22/2009			Not Sampled			
	2/25/2011			-	38.63	-	111.38
	4/29/2015			-	31.40	-	118.61
	4/5/2016			-	38.34	-	111.67
	2/2/2017			-	40.54	-	109.47
07303-MW9	10/1/2008	150.85	45-55	-	40.81	-	110.04
	2/16/2009			-	40.44	-	110.41
	6/22/2009			Not Sampled			
	2/25/2011			-	37.05	-	113.80
	5/25/2011			-	37.33	-	113.52
	4/29/2015			-	37.79	-	113.06
	4/6/2016			-	35.44	-	115.41
	2/3/2017			-	39.24	-	111.61
07303-MW10	10/1/2008	152.07	42-52	43.62	43.95	**0.33**	108.12
	2/16/2009			43.83	43.93	**0.10**	108.14
	6/22/2009			Not Sampled			
	2/24/2011			41.47	41.49	**0.02**	110.58
	5/25/2011			40.94	40.97	**0.03**	111.10
	4/29/2015			-	41.36	-	110.71
	4/6/2016			-	39.69	-	112.38
	2/3/2017			43.17	43.31	**0.14**	108.76
07303-MW11	2/17/2009	153.51	40-50	-	43.31	-	110.20
	6/22/2009			Not Sampled			
	2/24/2011			-	40.65	-	112.86
	4/27/2015			-	40.65	-	112.86
	4/5/2016			-	38.69	-	114.82
	2/2/2017			-	42.62	-	110.89

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170P

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW12	2/17/2009	154.40	40-50	-	45.39	-	109.01
	6/22/2009			Not Sampled			
	2/24/2011			-	42.86	-	111.54
	4/27/2015			-	42.80	-	111.60
	4/5/2016			-	40.95	-	113.45
	2/3/2017			-	44.73	-	109.67
07303-MW13	2/17/2009	153.54	40-50	-	45.34	-	108.20
	6/22/2009			Not Sampled			
	2/24/2011			-	42.93	-	110.61
	4/29/2015			-	42.77	-	110.77
	4/5/2016			-	40.07	-	113.47
	2/3/2017			-	44.72	-	108.82
07303-MW14	2/17/2009	154.32	45-55	-	49.58	-	104.74
	6/22/2009			Not Sampled			
	2/24/2011			-	47.29	-	107.03
	4/27/2015			-	46.98	-	107.34
	4/5/2016			-	44.85	-	109.47
	2/2/2017			-	50.11	-	104.21
07303-MW15	2/17/2009	152.67	40-50	-	47.05	-	105.62
	6/22/2009			Not Sampled			
	2/24/2011			-	44.64	-	108.03
	4/29/2015			-	44.35	-	108.32
	4/5/2016			-	41.80	-	110.87
	2/2/2017			-	46.48	-	106.19
07303-MW16	2/17/2009	151.33	40-55	-	42.08	-	109.25
	6/22/2009			Not Sampled			
	2/25/2011			-	39.09	-	112.24
	4/29/2015			-	38.45	-	112.88
	4/5/2016			-	35.36	-	115.97
	2/2/2017			-	40.22	-	111.11
07303-MW17	2/16/2009	150.78	40-55	-	41.43	-	109.35
	6/22/2009			Not Sampled			
	2/25/2011			-	38.29	-	112.49
	4/29/2015			-	37.72	-	113.06
	4/5/2016			-	34.31	-	116.47
	2/2/2017			-	40.05	-	110.73

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170P

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW18	2/16/2009	150.31	35-50	-	40.90	-	109.41
	6/22/2009			Not Sampled			
	2/25/2011			-	37.93	-	112.38
	4/29/2015			-	37.25	-	113.06
	4/5/2016			-	33.85	-	116.46
	2/3/2017			-	39.41	-	110.90
07303-MW19	2/17/2009	150.78	38-53	-	40.33	-	110.45
	6/22/2009			Not Sampled			
	2/25/2011			***	37.32	**0.05**	113.46
	5/25/2011			36.53	37.28	**0.75**	113.50
	4/29/2015			-	37.35	-	113.43
	4/6/2016			35.23	35.28	**0.05**	115.50
	2/3/2017			-	39.40	-	111.38
07303-MW20	2/17/2009	152.08	35-50	-	43.12	-	108.96
	6/22/2009			Not Sampled			
	2/25/2011			40.25	40.32	**0.07**	111.76
	5/25/2011			39.74	39.76	**0.02**	112.32
	4/29/2015			-	40.39	-	111.69
	4/6/2016			-	38.61	-	113.47
	2/3/2017			-	42.33	-	109.75
07303-MW21	6/22/2009	154.55	40-55	-	49.56	-	104.99
	2/25/2011			-	48.61	-	105.94
	4/29/2015			-	48.36	-	106.19
	4/5/2016			-	46.51	-	108.04
	2/2/2017			-	49.05	-	105.50
07303-MW22	6/22/2009	149.85	40-55	-	48.02	-	101.83
	2/24/2011			-	47.74	-	102.11
	4/27/2015			-	47.05	-	102.80
	4/5/2016			-	44.66	-	105.19
	2/2/2017			-	49.53	-	100.32
07303-MW23	6/22/2009	150.05	40-55	-	48.52	-	101.53
	2/24/2011			-	48.38	-	101.67
	4/29/2015			Obstructed			
	4/5/2016			-	44.94	-	105.11
	2/2/2017			-	50.06	-	99.99

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170P

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW24	6/22/2009	150.02	40-55	-	48.43	-	101.59
	2/24/2011			-	48.32	-	101.70
	4/28/2015			-	47.48	-	102.54
	4/6/2016			-	44.78	-	105.24
	2/2/2017			-	50.23	-	99.79
07303-MW25	6/22/2009	148.14	39-54	-	46.31	-	101.83
	2/24/2011			-	46.31	-	101.83
	4/28/2015			-	45.14	-	103.00
	4/5/2016			-	42.30	-	105.84
	2/2/2017			-	48.29	-	99.85
07303-MW26	6/22/2009	146.65	37-52	-	43.96	-	102.69
	2/24/2011			-	44.06	-	102.59
	4/29/2015			-	42.70	-	103.95
	4/6/2016			-	40.12	-	106.53
	2/2/2017			-	46.24	-	100.41
07303-MW27	6/22/2009	149.99	40-55	-	46.59	-	103.40
	2/24/2011			-	45.99	-	104.00
	4/29/2015			-	45.40	-	104.59
	4/6/2016			-	42.86	-	107.13
	2/2/2017			-	48.07	-	101.92
07303-MW28	6/22/2009	152.24	40-55	-	48.87	-	103.37
	2/24/2011			-	48.28	-	103.96
	4/29/2015			-	46.74	-	105.50
	4/5/2016			-	45.42	-	106.82
	2/2/2017			-	50.13	-	102.11
07303-MW29	6/22/2009	152.17	40-55	-	46.43	-	105.74
	2/25/2011			-	46.96	-	105.21
	4/29/2015			-	45.26	-	106.91
	4/5/2016			-	41.49	-	110.68
	2/2/2017			-	49.60	-	102.57
07303-MW30	6/22/2009	151.23	45-60	-	40.72	-	110.51
	2/25/2011			-	39.18	-	112.05
	4/29/2015			-	38.33	-	112.90
	4/5/2016			-	35.17	-	116.06
	2/2/2017			-	40.54	-	110.69

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170P

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW31	6/22/2009	148.95	26-41	-	32.82	-	116.13
	2/25/2011			-	31.98	-	116.97
	4/28/2015			-	31.66	-	117.29
	4/4/2016			-	29.65	-	119.30
	2/1/2017			-	34.40	-	114.55
07303-MW32	6/22/2009	150.06	30-45	-	34.86	-	115.20
	2/25/2011			-	33.66	-	116.40
	4/28/2015			-	33.53	-	116.53
	4/4/2016			-	31.30	-	118.76
	2/1/2017			-	36.12	-	113.94
07303-MW33	6/22/2009	151.57	29-44	-	36.67	-	114.90
	2/25/2011			-	35.39	-	116.18
	4/28/2015			-	35.36	-	116.21
	4/4/2016			-	33.07	-	118.50
	2/1/2017			-	37.82	-	113.75
07303-MW34	6/22/2009	153.70	30-45	-	39.61	-	114.09
	2/25/2011			-	38.27	-	115.43
	4/28/2015			-	38.40	-	115.30
	4/4/2016			-	36.05	-	117.65
	2/1/2017			-	40.58	-	113.12
07303-MW35	6/22/2009	154.52	31-46	-	40.48	-	114.04
	2/25/2011			-	39.17	-	115.35
	4/28/2015			-	39.30	-	115.22
	4/4/2016			-	36.96	-	117.56
	2/1/2017			-	41.49	-	113.03
07303-MW36	6/22/2009	156.04	31-46	-	40.42	-	115.62
	2/24/2011			-	39.28	-	116.76
	4/27/2015			-	39.32	-	116.72
	4/4/2016			-	36.91	-	119.13
	2/1/2017			-	41.82	-	114.22
07303-MW37	6/22/2009	151.73	29-44	-	35.92	-	115.81
	2/24/2011			-	34.90	-	116.83
	4/27/2015			-	34.72	-	117.01
	4/4/2016			-	32.44	-	119.29
	2/1/2017			-	37.47	-	114.26

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170P

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW38	6/22/2009	150.63	32-47	-	34.61	-	116.02
	2/24/2011			-	33.69	-	116.94
	4/27/2015			-	33.41	-	117.22
	4/4/2016			-	31.24	-	119.39
	2/1/2017			-	36.23	-	114.40
07303-MW39	2/25/2011	149.78	42-52	-	48.39	-	101.39
	4/28/2015			-	46.94	-	102.84
	4/5/2016			-	44.19	-	105.59
	2/2/2017			-	50.35	-	99.43
07303-MW40	2/25/2011	132.33	6-16	-	14.64	-	117.69
	4/28/2015			-	13.72	-	118.61
	4/5/2016			-	13.66	-	118.67
	2/1/2017			-	14.44	-	117.89
07303-MW41	3/24/2011	147.24	42-52	-	46.40	-	100.84
	4/28/2015			-	45.71	-	101.53
	4/5/2016			-	42.96	-	104.28
	2/2/2017			-	48.40	-	98.84
07303-MW42	2/25/2011	112.87	2-9	-	9.13	-	103.74
	4/28/2015			-	7.97	-	104.90
	4/5/2016			-	8.35	-	104.52
	2/1/2017			-	8.28	-	104.59
07303-MW43	3/24/2011	144.35	40-50	-	43.89	-	100.46
	4/28/2015			Could Not Find			
	4/5/2016			Could Not Find			
	2/2/2017			Could Not Find			
07303-MW44	5/5/2011	145.55	42-52	-	45.36	-	100.19
	4/28/2015			-	46.87	-	98.68
	4/6/2016			Could Not Find			
	2/2/2017			Could Not Find			
07303-MW45	5/5/2011	140.80	42-52	-	46.19	-	94.61
	4/28/2015			Could Not Find			
	4/6/2016			Could Not Find			
	2/2/2017			Could Not Find			
07303-MW46	5/5/2011	140.64	40-50	-	44.75	-	95.89
	4/28/2015			-	44.82	-	95.82
	4/6/2016			-	42.19	-	98.45
	2/2/2017			-	46.97	-	93.67

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170P

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW47	5/5/2011	126.76	32-42	-	36.62	-	90.14
	4/28/2015			Could Not Find			
	4/6/2016			-	35.22	-	91.54
	2/2/2017			-	37.78	-	88.98
07303-MW48	5/5/2011	87.83	3-8	-	4.01	-	83.82
	4/28/2015			Could Not Find			
	4/6/2016			-	3.93	-	83.90
	2/2/2017			-	4.04	-	83.79
07303-DW1	2/17/2009	152.36	75-80	-	47.91	-	104.45
	6/22/2009			Not Sampled			
	2/24/2011			-	45.34	-	107.02
	4/30/2015			-	45.26	-	107.10
	4/5/2016			-	43.06	-	109.30
	2/2/2017			-	47.48	-	104.88
07303-DW2	2/17/2009	151.77	75-80	-	44.15	-	107.62
	6/22/2009			Not Sampled			
	2/24/2011			-	41.68	-	110.09
	4/30/2015			-	41.56	-	110.21
	4/6/2016			-	39.73	-	112.04
	2/3/2017			-	43.45	-	108.32
07303-DW3	2/17/2009	150.83	75-80	-	42.12	-	108.71
	6/22/2009			Not Sampled			
	2/24/2011			-	40.06	-	110.77
	4/30/2015			-	39.45	-	111.38
	4/6/2016			-	37.18	-	113.65
	2/3/2017			-	41.19	-	109.64
07303-DW5	6/22/2009	150.19	75-80	-	45.55	-	104.64
	2/24/2011			-	61.27	-	88.92
	4/27/2015			-	55.76	-	94.43
	4/5/2016			-	72.21	-	77.98
	2/2/2017			-	68.81	-	81.38
07303-DW6	6/23/2009	152.59	115-130	-	63.39	-	89.20
	2/24/2011			-	49.98	-	102.61
	4/30/2015			-	49.80	-	102.79
	4/5/2016			-	42.23	-	110.36
	2/2/2017			-	51.41	-	101.18

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170P

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-DW7	6/23/2009	151.97	115-120	-	113.41	-	38.56
	2/24/2011			-	46.27	-	105.70
	4/30/2015			-	43.77	-	108.20
	4/6/2016			-	64.10	-	87.87
	2/3/2017			-	63.42	-	88.55
07303-DW9	6/22/2009	151.96	75-80	-	37.64	-	114.32
	2/24/2011			-	36.34	-	115.62
	4/27/2015			-	36.14	-	115.82
	4/4/2016			-	33.92	-	118.04
	2/1/2017			-	38.55	-	113.41
07303-DW10	6/23/2009	151.77	115-120	-	37.84	-	113.93
	2/24/2011			-	36.86	-	114.91
	4/27/2015			-	39.28	-	112.49
	4/4/2016			-	39.76	-	112.01
	2/1/2017			-	39.96	-	111.81
07303-DW11	5/5/2011	147.66	74-79	-	46.10	-	101.56
	4/28/2015			-	46.10	-	101.56
	4/5/2016			-	42.90	-	104.76
	2/2/2017			-	48.83	-	98.83
07303-RW1	12/8/2014	Unknown	30.1-50.1	-	41.20	-	-
	4/30/2015	151.83		-	41.16	-	110.67
	4/6/2016			-	39.54	-	112.29
	2/3/2017			-	42.98	-	108.85
07303-RW2	12/8/2014	Unknown	30.1-50.1	-	40.93	-	-
	4/30/2015	152.03		-	40.85	-	111.18
	4/6/2016			-	38.94	-	113.09
	2/3/2017			-	42.64	-	109.39
07303-RW3	12/8/2014	Unknown	30.2-50.2	-	40.46	-	-
	4/29/2015	151.99		-	40.13	-	111.86
	4/6/2016			-	38.37	-	113.62
	2/3/2017			-	42.05	-	109.94
07303-RW4	12/8/2014	Unknown	30.1-50.1	-	40.65	-	-
	4/30/2015	151.74		-	39.88	-	111.86
	4/6/2016			-	37.38	-	114.36
	2/3/2017			-	41.90	-	109.84

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170P

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-RW5	6/28/2016	150.55	30-50	-	35.66	-	114.89
	2/3/2017			38.95	39.03	**0.08**	111.52

Notes:

-- = No measurable product.

* = Relative to top of casing (TOC).

** = The TOC elevation benchmark was adjusted from 100' to 150' to allow for the newly installed deep wells with water levels greater than 100' below the TOC.

*** = Product thickness visually confirmed. Observed in bailer during purging.

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170P

WELL ID	SAMPLING DATE	PARAMETERS																				
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	0.05	128	1,400	150	47	N/A	10,000	240	N/A	N/A	N/A	N/A	N/A
07303-MW3	10/1/2008	**8.51**	<1.00	4.1	7.25	3.51J	**57.3**	<1.00	<0.010	0.014B	--	--	--	--	--	--	--	--	7.85	<5.0	0.595	1.60J
	2/16/2009	2.45	<1.00	<1.00	<3.00	<5.00	**56.4**	<1.00	<0.010	0.0051B	6.94	103	2.67J	<5.00	<10.0	<100	46.3	<5.00	--	--	--	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	2.0	56	46	510	**170**	<1.0	<1.0	<0.020	0.0119	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW5R	10/1/2008	NOT SAMPLED																				
	2/16/2009	<1.00	<1.00	<1.00	<3.00	<5.00	0.994J	<1.00	<0.010	<0.015	<5.00	<10.0	<5.00	<5.00	<10.0	<100	<20.0	<5.00	--	--	--	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	<0.001	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW9	10/1/2008	**2,820**	**4,860**	**1,140**	4,720	**357**	**9,050**	<50.0	**197**	**0.16**	--	--	--	--	--	--	--	--	<0.10	1.4B	0.131	1.72J
	2/16/2009	**3,020**	**4,180**	**1,150**	4,370	**393**	**8,630**	**52.0**	**0.069**	0.014B	**438**	**3,450**	**247.J**	<250	<500	<5,000	<1,000	<250	--	--	--	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**2,900**	**2,700**	**880**	3,900	<2,500	**9,900**	<500	<0.020	0.00796	<5,000	<50,000	<5,000	<50,000	<50,000	<50,000	<50,000	<50,000	--	--	--	--
	4/29/2015	**350**	18	330	260	**59**	**810**	<10	0.0068J	--	34J	450	32	<10	<200	<1,000	220	<50	--	--	--	--
	4/6/2016	**100**	21	220	500	**58**	**140**	<5.0	--	--	5.7J	110	5.2	<5.0	<100	<500	73J	<25	--	--	--	--
	2/3/2017	**10**	2.8	33	40	9.7	7.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW10	10/1/2008	**FREE PRODUCT - 0.33 FEET**																				
	2/16/2009	**FREE PRODUCT - 0.10 FEET**																				
	6/22/2009	NOT SAMPLED																				
	2/24/2011*	**3,700**	**12,000**	**1,800**	10,000	<2,500	**4,600**	<500	**4.23**	0.0253	<5,000	<50,000	<5,000	<50,000	<50,000	<50,000	<50,000	<50,000	--	--	--	--
	4/29/2015	**1,200**	**8,700**	**2,100**	**14,000**	**1,200**	**810**	<100	**0.069**	--	46J	**3,100**	<100	<100	<2,000	<10,000	**780J**	<500	--	--	--	--
	4/6/2016	**320**	**1,600**	**1,500**	9,100	**1,000**	**1,600**	<50	--	--	**200J**	**7,400**	74	<50	<1,000	<5,000	**2,600**	<250	--	--	--	--
	2/3/2017	**FREE PRODUCT - 0.14 FEET**																				
07303-MW11	2/17/2009	<1.00	<1.00	<1.00	<3.00	<5.00	0.822J	<1.00	<0.010	0.014B	<5.00	<10.0	<5.00	<5.00	<10.0	<100	<20.0	<5.00	1.06	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0130	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	1.4	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	0.95J	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW12	2/17/2009	<1.00	<1.00	<1.00	<3.00	<5.00	25.3	<1.00	<0.010	0.0043B	<5.00	<10.0	1.22J	<5.00	<10.0	<100	<20.0	<5.00	2.47	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	22	<1.0	<0.020	0.0138	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	3.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	20	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/3/2017	<1.0	<1.0	<1.0	<1.0	<1.0	2.8	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW13	2/17/2009	<1.00	<1.00	<1.00	35.8	10.1	17.4	<1.00	<0.010	<0.015	<5.00	16.7	1.11J	<5.00	<10.0	<100	<20.0	<5.00	4.39	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	**72**	6.9	18	13	<5.0	**180**	<1.0	<0.020	0.00609	<10	960	12	<100	<100	<100	170	<100	--	--	--	--
	4/29/2015	0.71J	<1.0	<1.0	<1.0	<1.0	1.8	<1.0	<0.020	--	<10	28	<1.0	<1.0	<20	<100	4.0J	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	6.2	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/3/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170P

WELL ID	SAMPLING DATE	PARAMETERS																				
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	**5**	**1,000**	**700**	**10,000**	**25**	**40**	**5**	**0.05**	**0.05**	**128**	**1,400**	**150**	**47**	**N/A**	**10,000**	**240**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
07303-MW14	2/17/2009	<1.00	<1.00	<1.00	<3.00	<5.00	1.55	<1.00	<0.010	0.0037B	<5.00	<10.0	<5.00	<5.00	<10.0	<100	<20.0	<5.00	2.00	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0140	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	1.9	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	0.49J	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW15	2/17/2009	**822**	**1,420**	417	1,550	**143**	**1,320**	<20.0	<0.010	0.0047B	**141**	**2,150**	40.8J	<100	<200	<2,000	<400	<100	<0.010	<5.0	0.4	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	**770**	940	510	2,500	**190**	**1,200**	<1.0	<0.020	0.00774	73	**2,300**	59	<100	<100	<100	**1,600**	<100	--	--	--	--
	4/29/2015	**450**	500	580	2,300	**250**	**260**	**16J**	<0.019	--	32J	830	22	<20	<400	<2,000	**420**	<100	--	--	--	--
	4/5/2016	**71**	6.4	9.1	470	**150**	34	1.7	--	--	3.7J	380	<1.0	<1.0	<20	<100	130	<5.0	--	--	--	--
	2/2/2017	**190**	160	320	1,200	**170**	**150**	<10	--	--	22J	970	<10	<10	<200	<1,000	**480**	<50	--	--	--	--
07303-MW16	2/17/2009	**183**	85.5	57.2	107	<25.0	**542**	**9.19**	0.019	0.0037B	39.3	114	28.6	<25.0	<50.0	<500	237	<25.0	<0.010	<5.0	2.2	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**60**	4.6	4.8	18	9.0	**200**	<1.0	<0.020	0.00214	<10	<100	13	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	2.6	<1.0	<1.0	<1.0	1.6	**67**	1.3	<0.019	--	3.8J	50	5.0	<1.0	<20	<100	39	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	0.55J	2.0	<1.0	--	--	<10	2.6J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	**7.2**	<1.0	0.60J	<1.0	<1.0	26	<1.0	--	--	1.5J	34	2.4	<1.0	<20	<100	15J	<5.0	--	--	--	--
07303-MW17	2/16/2009	**106**	15.7	54.6	84.0	<25.0	**463**	4.74J	<0.010	<0.015	38.3	72.8	24.0J	<25.0	<50.0	<500	<100	<25.0	<0.010	<5.0	2.4	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**51**	<1.0	7.4	<3.0	13	**220**	<1.0	<0.020	0.00201	<10	<100	12	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW18	2/16/2009	**255**	72.7	109	458	<25.0	**689**	**7.48**	0.015	0.0056B	44.0	123	37.9	<25.0	<50.0	<500	143	<25.0	<0.010	<5.0	2.5	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**370**	340	140	1,400	**110**	**930**	<1.0	<0.021	0.00126	35	390	65	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	2.4	<1.0	3.1	1.6	2.3	19	<1.0	<0.020	--	0.96J	41	1.4	<1.0	<20	<100	2.7J	<5.0	--	--	--	--
	4/5/2016	**5.2**	0.59J	6.5	2.7	9.6	**59**	<1.0	--	--	2.8J	160	2.2	<1.0	<20	<100	11J	<5.0	--	--	--	--
	2/3/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW19	2/17/2009	**3,110**	**9,000**	**1,330**	5,410	**682**	**12,100**	<100	**6.49**	**0.10**	**804**	**7,480**	**323J**	<500	<1,000	<10,000	<2,000	<500	<0.010	4.5B	2.8	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**FREE PRODUCT - 0.05 FEET**																				
	4/29/2015	**1,800**	**13,000**	**1,900**	**12,000**	**1,700**	**5,600**	**81J**	**14**	--	**480J**	**8,600**	**230**	<100	<2,000	<10,000	**1,500J**	<500	--	--	--	--
	4/6/2016	**FREE PRODUCT - 0.05 FEET**																				
	2/3/2017	**1,500**	**18,000**	**2,100**	**16,000**	**1,200**	**2,200**	<200	--	--	**310J**	**6,700**	<200	<200	<4,000	<20,000	**3,300J**	<1,000	--	--	--	--
07303-MW20	2/17/2009	**1,340**	**1,840**	**1,040**	2,670	**602**	**6,230**	<100	**1.61**	**0.053B**	**676**	**16,300**	146J	<500	<1,000	<10,000	**8,450**	<500	<0.010	<5.0	0.6	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**FREE PRODUCT - 0.07 FEET**																				
	4/29/2015	**1,100**	**9,100**	**2,500**	**16,000**	**1,300**	**1,600**	**53J**	**3.3**	--	120J	**9,100**	80J	<200	<4,000	<20,000	**2,900J**	<1,000	--	--	--	--
	4/6/2016	**87**	100	16J	620	**34**	**540**	<20	--	--	55J	**14,000**	16J	<20	<400	<2,000	**4,600**	<100	--	--	--	--
	2/3/2017	**370**	**4,600**	**2,100**	**13,000**	**710**	**250**	<50	--	--	<500	**4,600**	<50	<50	<1,000	<5,000	**1,700**	<250	--	--	--	--
07303-MW20 (DUP)	2/3/2017	**400**	**4,700**	**2,100**	**13,000**	**720**	**250**	<100	--	--	<1,000	**3,900**	<100	<100	<2,000	<10,000	**850J**	<500	--	--	--	--

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SCDHEC UST PERMIT #07303
TERRY PROJECT #2170P

WELL ID	SAMPLING DATE	PARAMETERS																				
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	**5**	**1,000**	**700**	**10,000**	**25**	**40**	**5**	**0.05**	**0.05**	**128**	**1,400**	**150**	**47**	**N/A**	**10,000**	**240**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
07303-MW21	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0289	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW22	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0152	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	0.64J	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW23	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	**46**	4.6	40	<3.0	**73**	**140**	<1.0	<0.020	0.0106	<10	360	<10	<100	<100	<100	120	<100	--	--	--	--
	4/29/2015	OBSTRUCTED																				
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	**140**	4.8	11	2.1	4.4	**73**	3.7	--	--	6.3J	330	<1.0	<1.0	<20	<100	190	<5.0	--	--	--	--
07303-MW24	6/22/2009	**233**	195	**1,040**	2,990	**312**	19.5J	<20.0	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2001	**38**	63	460	760	**200**	<1.0	<1.0	<0.020	0.0110	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	**24**	190	**770**	2,900	**320**	<20	<20	<0.019	--	<200	52J	<20	<20	<400	<2,000	200J	<100	--	--	--	--
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	**25J**	**2,500**	**1,900**	**11,000**	**580**	<50	<50	--	--	<500	<1,000	<50	<50	<1,000	<5,000	**1,100**	<250	--	--	--	--
07303-MW25	6/22/2009	**299**	65.8	635	1,260	**226**	**103**	<10.0	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	**300**	17	420	560	**190**	**250**	<1.0	<0.020	0.00194	<10	530	<10	<100	<100	<100	**290**	<100	--	--	--	--
	4/28/2015	**77**	23	180	470	**56**	**100**	2.7J	<0.019	--	3.0J	410	3.0J	<5.0	<100	<500	240	<25	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	**47**	12	170	240	**51**	13	<1.0	--	--	4.0J	35	2.8	<1.0	<20	<100	66	<5.0	--	--	--	--
07303-MW26	6/22/2009	**399**	119	335	1,160	**165**	**156**	<10.0	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	**2,300**	63	**1,700**	2,600	**490**	**520**	<1.0	<0.020	0.0298	48	**2,100**	58	<100	<100	<100	**2,300**	<100	--	--	--	--
	4/29/2015	**22**	3.7	53	110	21	31	0.76J	<0.019	--	1.4J	91	<1.0	<1.0	<20	<100	48	<5.0	--	--	--	--
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	**1,100**	120	**2,000**	4,500	**550**	**180**	<50	--	--	78J	430J	69	<50	<1,000	<5,000	**1,200**	<250	--	--	--	--
07303-MW27	6/22/2009	**500**	13.1	261	96.8	**60.9**	**1,060**	<10.0	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	**510**	50	**1,400**	660	**550**	28	<1.0	<0.020	0.0368	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	**250**	37	**880**	1,900	**280**	**98**	<10	<0.019	--	<100	360	<10	<10	<200	<1,000	210	<50	--	--	--	--
	4/6/2016	**230**	71	**1,100**	1,600	**350**	**150**	<5.0	--	--	14J	560	10	<5.0	<100	<500	**260**	<25	--	--	--	--
	2/2/2017	**27**	2.8	85	42	**30**	7.1	<1.0	--	--	1.3J	38	1.1	<1.0	<20	<100	30	<5.0	--	--	--	--
07303-MW28	6/22/2009	<1.00	<1.00	<1.00	<3.00	3.98J	0.749J	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	5.9	**54**	<1.0	<0.020	0.0204	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<1.0	<1.0	0.60J	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW29	6/22/2009	**14.4**	11.3	65.4	302	**29.0**	**44.2**	4.39	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<20	53	120	270	<100	<20	<20	<0.020	0.00640	<200	<2,000	<200	<2,000	<2,000	<2,000	<2,000	<2,000	--	--	--	--
	4/29/2015	**10**	4.5J	52	130	11	19	<5.0	<0.019	--	<50	29J	<5.0	<5.0	<100	<500	46J	<25	--	--	--	--
	4/5/2016	<1.0	<1.0	0.81J	2.1	0.33J	0.67J	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	1.6	0.95J	1.3	0.99J	1.3	9.5	1.2	--	--	0.70J	29	2.4	<1.0	<20	<100	58	<5.0	--	--	--	--
07303-MW29 (DUP)	2/2/2017	1.8	<1.0	<1.0	0.56J	0.69J	8.8	1.2	--	--	<10	23	1.8	<1.0	<20	<100	38	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170P

WELL ID	SAMPLING DATE	PARAMETERS																				
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	0.05	128	1,400	150	47	N/A	10,000	240	N/A	N/A	N/A	N/A	N/A
07303-MW30	6/22/2009	3.06	<1.00	1.25	<3.00	<5.00	31.4	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	2.2	<1.0	<1.0	<3.0	<5.0	6.1	<1.0	<0.020	<0.001	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	1.0	<1.0	<1.0	<1.0	<1.0	5.3	<1.0	<0.020	--	<10	3.2J	<1.0	<1.0	<20	<100	2.0J	<5.0	--	--	--	--
	4/5/2016	0.21J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	0.60J	<1.0	<1.0	<1.0	<1.0	1.5	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW31	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.00818	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW32	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.021	0.0119	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW33	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	5.0	8.2	15	<1.0	<1.0	<0.020	0.0317	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW34	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.021	0.0347	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW35	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0236	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW36	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.00409	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW37	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.021	0.0255	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW38	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010													
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0110	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170P

WELL ID	SAMPLING DATE	PARAMETERS																				
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	**5**	**1,000**	**700**	**10,000**	**25**	**40**	**5**	**0.05**	**0.05**	**128**	**1,400**	**150**	**47**	**N/A**	**10,000**	**240**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
07303-MW39	2/25/2011	1.3	<1.0	<1.0	<3.0	<5.0	5.0	<1.0	<0.020	0.0203	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW40	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	**0.0501**	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW41	3/24/2011	**81**	<5.0	<5.0	<5.0	6.0	**94**	<5.0	<0.020	0.0240	<10	250	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW42	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0108	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW43	3/24/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.021	0.0117	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/5/2016	COULD NOT FIND																				
	2/2/2017	COULD NOT FIND																				
07303-MW44	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<5.0	<0.020	0.0229	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/6/2016	COULD NOT FIND																				
	2/2/2017	COULD NOT FIND																				
07303-MW45	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	1.3	<5.0	<0.020	0.0314	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/6/2016	COULD NOT FIND																				
	2/2/2017	COULD NOT FIND																				
07303-MW46	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<5.0	<0.020	0.00512	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW47	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<5.0	<0.020	0.00351	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW48	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<5.0	<0.020	**0.144**	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	1.3	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170P

WELL ID	SAMPLING DATE	PARAMETERS																				
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	**5**	**1,000**	**700**	**10,000**	**25**	**40**	**5**	**0.05**	**0.05**	**128**	**1,400**	**150**	**47**	**N/A**	**10,000**	**240**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
07303-DW1	2/17/2009	1.66	1.39	<1.00	<3.00	<5.00	**47.5**	<1.00	<0.010	<0.075	6.66	42.9	2.42J	<5.00	<10.0	<100	<20.0	<5.00	0.507	9.4	0.2	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	2.8	<1.0	<1.0	<3.0	<5.0	**330**	<1.0	<0.020	<0.001	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	1.9	<1.0	<1.0	<1.0	<1.0	**63**	<1.0	<0.019	--	2.4J	29	2.9	<1.0	<20	<100	20	<5.0	--	--	--	--
	4/5/2016	1.6	<1.0	<1.0	<1.0	<1.0	**79**	<1.0	--	--	3.5J	49	3.6	<1.0	<20	<100	30	<5.0	--	--	--	--
	2/2/2017	0.81J	<1.0	<1.0	<1.0	<1.0	27	<1.0	--	--	1.5J	21	1.6	<1.0	<20	<100	23	<5.0	--	--	--	--
07303-DW2	2/17/2009	2.81	<1.00	<1.00	<3.00	<5.00	**51.3**	<1.00	<0.010	0.015B	6.77	14.7	2.14J	<5.00	<10.0	<100	<20.0	<5.00	0.594	1.4B	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	<1.0	<1.0	<1.0	<3.0	8.3	26	<1.0	<0.020	0.00129	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	1.6	<1.0	<1.0	0.44J	<1.0	38	0.56J	<0.020	--	1.8J	21	1.8	<1.0	<20	<100	12J	<5.0	--	--	--	--
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	4.6	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/3/2017	2.1	1.6	1.9	2.8	1.1	12	<1.0	--	--	1.1J	11J	<1.0	<1.0	<20	<100	17J	<5.0	--	--	--	--
07303-DW3	2/17/2009	**6.59**	1.85J	<2.00	<6.00	<10.0	**279**	3.42	<0.010	<0.075	15.8	42.7	14.0	<10.0	<20.0	<200	76.8	<10.0	0.461	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	**5.4**	3.1	<1.0	<3.0	<5.0	**310**	<1.0	<0.020	0.00404	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	3.2	2.9	0.59J	2.9	<1.0	**44**	<1.0	<0.020	--	2.2J	22	2.5	<1.0	<20	<100	14J	<5.0	--	--	--	--
	4/6/2016	1.1	<1.0	<1.0	<1.0	<1.0	17	<1.0	--	--	0.60J	8.8J	<1.0	<1.0	<20	<100	4.4J	<5.0	--	--	--	--
	2/3/2017	1.7	0.77J	<1.0	<1.0	<1.0	17	<1.0	--	--	1.2J	15J	<1.0	<1.0	<20	<100	19J	<5.0	--	--	--	--
07303-DW5	6/22/2009	1.93	1.22	2.36	1.24J	<5.00	2.42	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	<0.001	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	0.78J	0.57J	<1.0	0.67J	<1.0	0.53J	<1.0	<0.020	--	<10	4.7J	<1.0	<1.0	<20	37J	<20	<5.0	--	--	--	--
	4/5/2016	0.58J	0.38J	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	1.3	<1.0	1.1	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW6	6/23/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.021	0.0142	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	0.28J	0.68J	<1.0	0.37J	<1.0	<1.0	<1.0	<0.019	--	<10	2.6J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	0.83J	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW7	6/23/2009	<1.00	<1.00	<1.00	<3.00	<5.00	1.60	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	4.7	<1.0	<1.0	<3.0	<5.0	3.2	<1.0	<0.020	0.00318	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	1.7	0.36J	<1.0	<1.0	<1.0	3.5	<1.0	<0.020	--	<10	2.7J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/6/2016	1.1	<1.0	<1.0	<1.0	<1.0	3.9	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/3/2017	0.66J	0.87J	<1.0	<1.0	0.92J	2.9	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW9	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	1.20	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	1.6	<1.0	<0.020	0.00422	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170P

WELL ID	SAMPLING DATE	PARAMETERS																				
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	**5**	**1,000**	**700**	**10,000**	**25**	**40**	**5**	**0.05**	**0.05**	**128**	**1,400**	**150**	**47**	**N/A**	**10,000**	**240**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
07303-DW10	6/23/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	1.5	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.021	0.00349	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	0.31J	<1.0	<1.0	<1.0	<1.0	0.77J	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	0.81J	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW11	5/5/2011	**13**	<1.0	<1.0	<3.0	<5.0	**670**	<5.0	<0.020	<0.001	11	1,400	17	<100	<100	<100	**710**	<100	--	--	--	--
	4/28/2015	**8.9**	<1.0	2.2	1.0	<1.0	**250**	2.0	<0.020	--	14	700	15	<1.0	<20	<100	**310**	<5.0	--	--	--	--
	4/5/2016	**44**	<5.0	2.1J	<5.0	2.3J	**230**	<5.0	--	--	10J	820	8.9	<5.0	<100	<500	**340**	<25	--	--	--	--
	2/2/2017	**20**	1.1	1.3	0.86J	1.1	**89**	1.0	--	--	5.8J	360	3.9	<1.0	<20	<100	160	<5.0	--	--	--	--
07303-DW11 (DUP)	2/2/2017	**22**	1.0	1.5	0.91J	1.1	**87**	1.1	--	--	6.1J	370	4.3	<1.0	<20	<100	140	<5.0	--	--	--	--
07303-RW1	4/30/2015	**870**	**6,500**	**1,400**	7,100	**480**	**970**	**30J**	0.0063J	--	63J	**3,500**	39J	<50	<1,000	<5,000	**1,200**	<250	--	--	--	--
	4/6/2016	**1100,00**	**8700,00**	**1700,00**	**14000,00**	**1100,00**	**1900,00**	<100	--	--	**200J**	<2,000	71J	<100	<2,000	<10,000	<2,000	<500	--	--	--	--
	2/3/2017	**1,000**	**11,000**	**2,000**	**12,000**	**640**	**560**	<100	--	--	88J	**3,000**	<100	<100	<2,000	<10,000	**810J**	<500	--	--	--	--
07303-RW2	4/30/2015	**1,400**	**10,000**	**2,500**	**11,000**	**730**	**1,600**	**45J**	**0.26**	--	84J	**6,800**	68	<50	<1,000	<5,000	**2,500**	<250	--	--	--	--
	4/6/2016	**1,300**	**12,000**	**2,400**	**15,000**	**780**	**1,300**	<100	--	--	**130J**	**13,000**	<100	<100	<2,000	<10,000	**5,200**	<500	--	--	--	--
	2/3/2017	**350**	**3,400**	**1,500**	8,400	**520**	**260**	<20	--	--	<200	**2,800**	<20	<20	<400	<2,000	**710**	<100	--	--	--	--
07303-RW3	4/29/2015	**730**	**1,200**	**2,000**	7,500	**690**	**550**	**24J**	**4.6**	--	45J	**6,600**	26J	<50	<1,000	<5,000	**2,900**	<250	--	--	--	--
	4/6/2016	**540**	**3,900**	680	7,400	**680**	**4,500**	<50	--	--	**440J**	**48,000**	110	<50	<1,000	<5,000	**11,000**	<250	--	--	--	--
	2/3/2017	**99**	530	**1,400**	4,700	**640**	**43**	<20	--	--	<200	810	<20	<20	<400	<2,000	**340J**	<100	--	--	--	--
07303-RW4	4/30/2015	**9.0**	8.0	0.95J	16	0.96J	**200**	1.9	**0.36**	--	16	490	9.3	<1.0	<20	<100	180	<5.0	--	--	--	--
	4/6/2016	4.4	0.59J	0.54J	0.96J	<1.0	38	<1.0	--	--	2.2J	35	3.4	<1.0	<20	<100	20	<5.0	--	--	--	--
	2/3/2017	1.4	<1.0	<1.0	<1.0	<1.0	20	<1.0	--	--	1.0J	22	1.6	<1.0	<20	<100	14J	<5.0	--	--	--	--
07303-RW5	2/3/2017	**FREE PRODUCT - 0.08 FEET**																				
07303-SW1	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	4.7	<1.0	<0.020	--	<10	11J	<1.0	<1.0	<20	<100	4.4J	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	5.4	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	3.5J	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	6.8	<1.0	--	--	<10	9.7J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-SW2	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	4.2	<1.0	<0.019	--	<10	7.6J	<1.0	<1.0	<20	<100	3.4J	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	5.2	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	3.2J	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	1.9	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-FB1	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-FB2	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-FB3	2/3/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-TB1	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

NOTES:

-- = Parameter was not tested
RBSL = Risk Based Screening Levels
ug/L= micrograms per liter
mg/L= milligrams per liter
J = Indicates an estimated value
MTBE = Methyl tertiary butyl ether
1,2 DCA = 1,2 Dichloroethane
EDB = 1,2-Dibromoethane

TAME = tert-Amyl methyl ether or t-amyl methyl ether
TBA = tert-Butyl Alcohol or t-Butanol
DIPE = Isopropyl ether or diisopropyl Ether
ETBE = Ethyl tert-butyl ether
ETBA = 3,3-Dimethyl-1-butanol or ethyl tert-butanol
TAA = tert-Amyl alcohol
TBF = tert-butyl formate

B = (ORGANICS) Indicates the analyte was detected in the associated method blank
B = (INORGANICS) Indicates the result is between the RDL and the MDL
Bold Lettering indicates parameter exceeds SCDHEC RBSLs except for 1,2 DCA which is based on EPA limits
* = Sample was collected beneath free product (0.02' thickness) per SCDHEC request
DUP = duplicate
FB = Field Blank
TB = Trip Blank

J. FIGURES

1. Topographic Map

Figure 1 Topographic Map - Attached

2. Site Base Map

Figure 2 Site Base Map - Attached

3. CoC Site Maps

Figure 3 Soil CoC Map - Not Applicable

Figure 4A Groundwater CoC Map - Attached

Figure 4B Groundwater CoC Map (Oxygenates) - Attached

4. Site Potentiometric Maps

Figure 5A Site Potentiometric Map (Shallow) - Attached

Figure 5B Site Potentiometric Map (Deep) - Attached

5. Geologic Cross Sections

Figure 6 Geologic Cross Sections - Not Applicable

6. Predicted Migration and Attenuation of CoCs

Figure 7 Predicted Migration and Attenuation of CoCs - Not Applicable

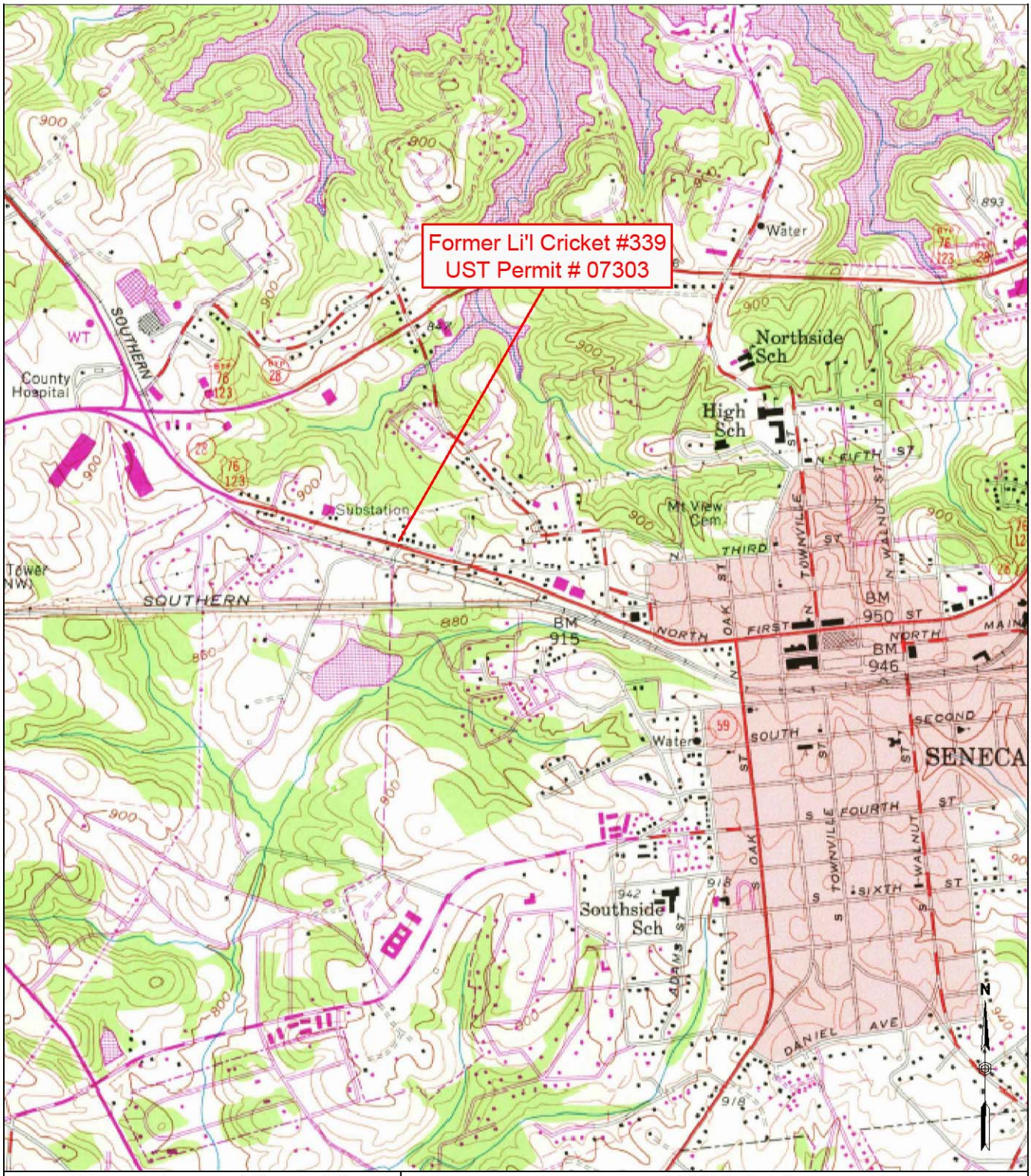

FIGURE 1
TOPOGRAPHIC MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, South Carolina

TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

... providing our clients with the best services available, actually understanding our clients objectives, and making their obectives our own!

PO Box 25
Summerville, South Carolina 29484
(800) 325-0605 (843)-873-8200 fax: (843)-873-8765

SIZE	TERRY Project No.	DWG NO.	REV
B	2170P	Figure 1 Topo Map	

SCALE: As Shown

DATE: February 2017

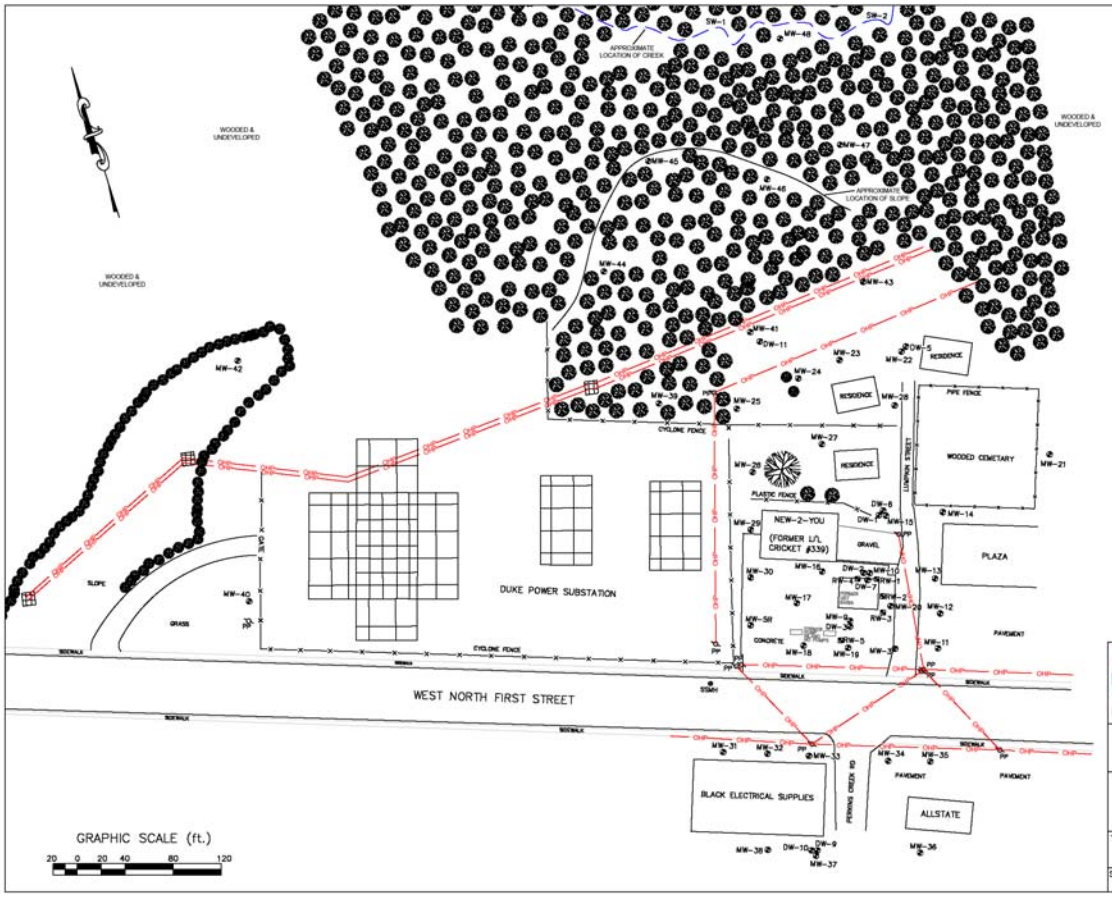

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FIGURE 2
SITE BASE MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170P	07303
SCALE 1" = 80'	DATE February 2017

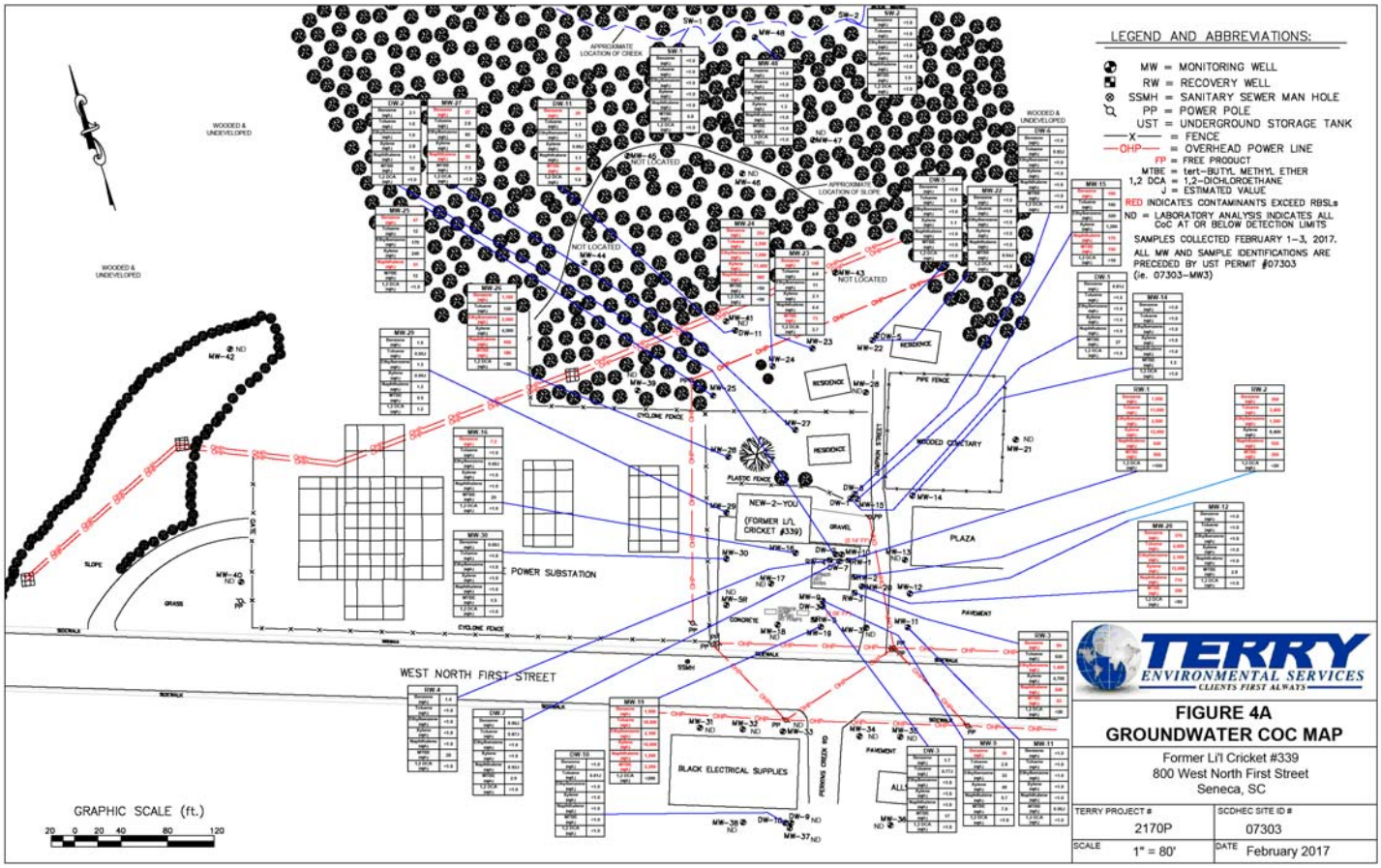

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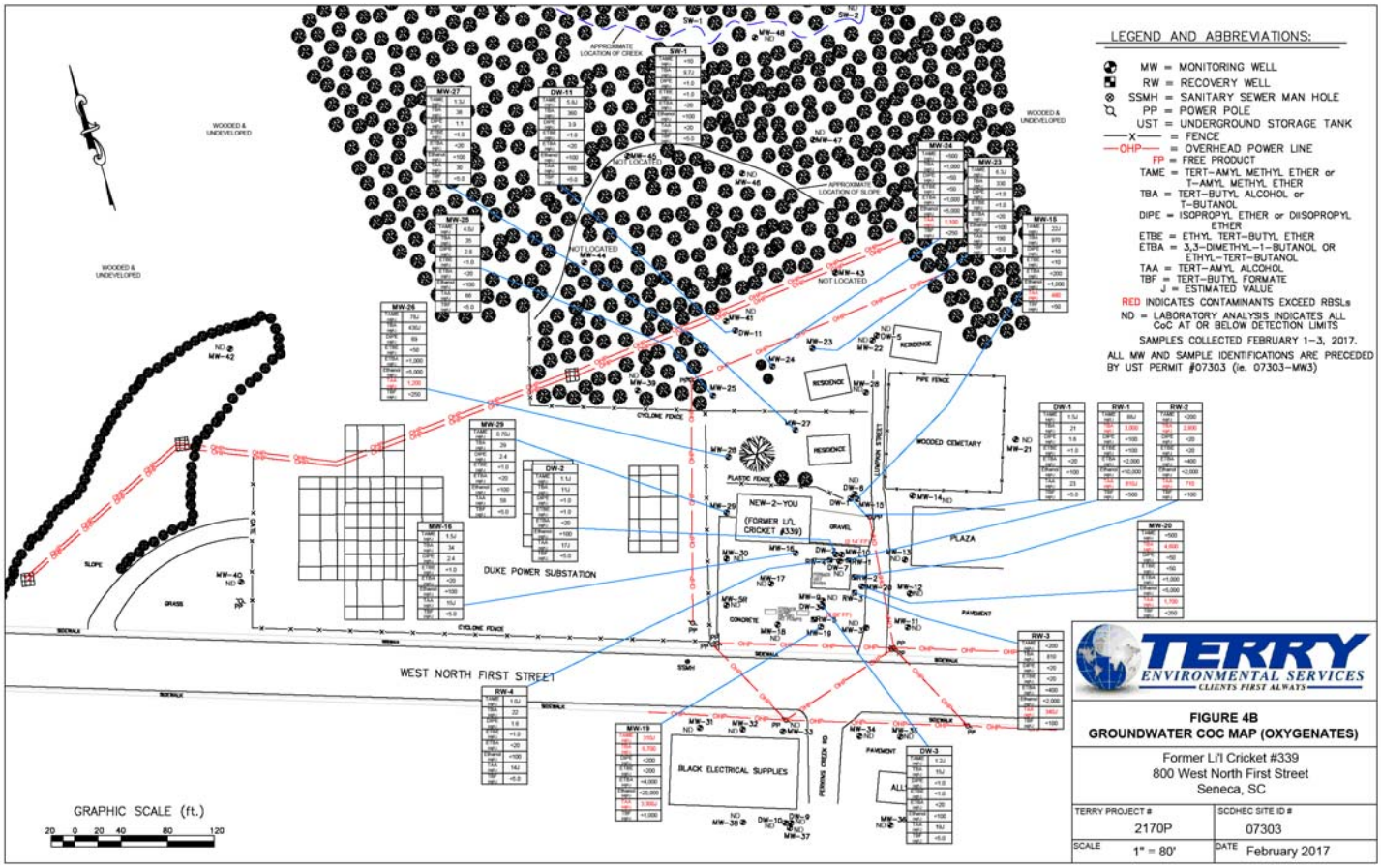
FIGURE 4A
GROUNDWATER COC MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170P	07303
SCALE 1" = 80'	DATE February 2017



TERRY ENVIRONMENTAL SERVICES
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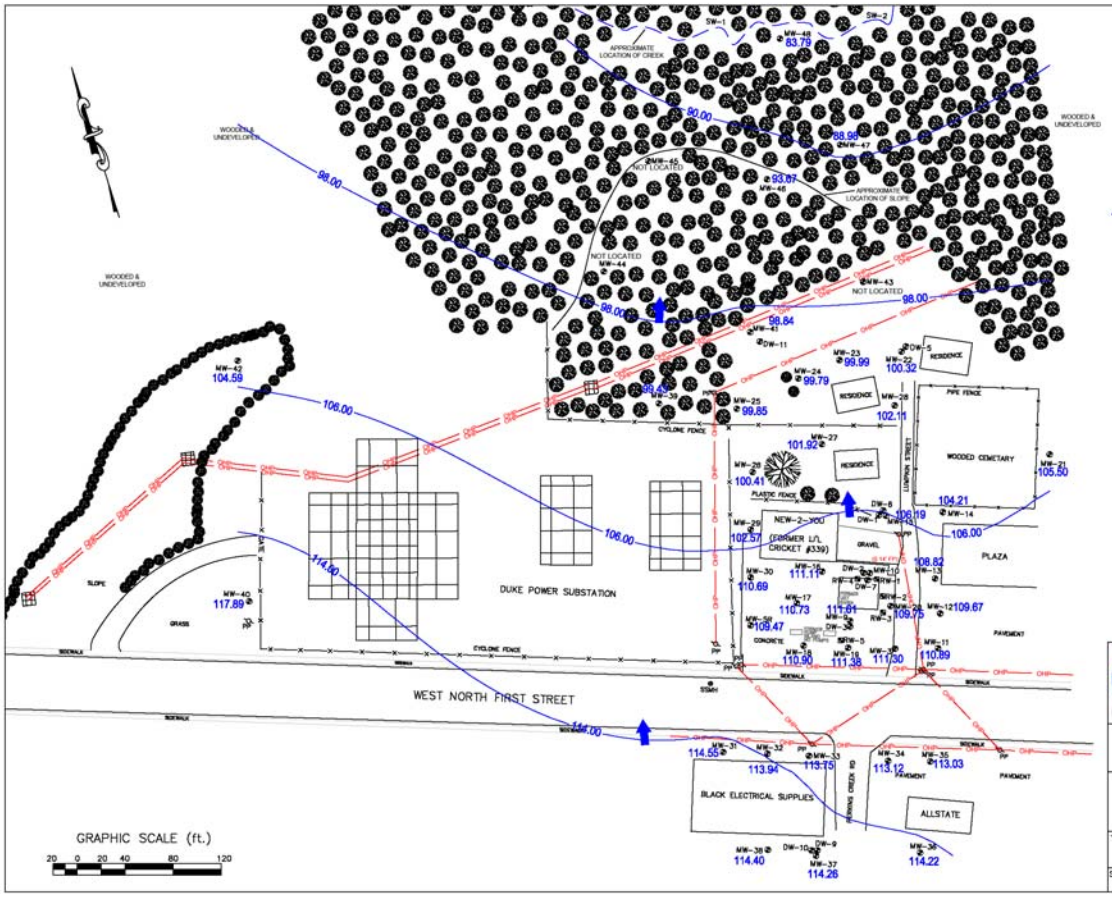
FIGURE 4B
GROUNDWATER COC MAP (OXYGENATES)

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170P	07303
SCALE 1" = 80'	DATE February 2017



TERRY ENVIRONMENTAL SERVICES
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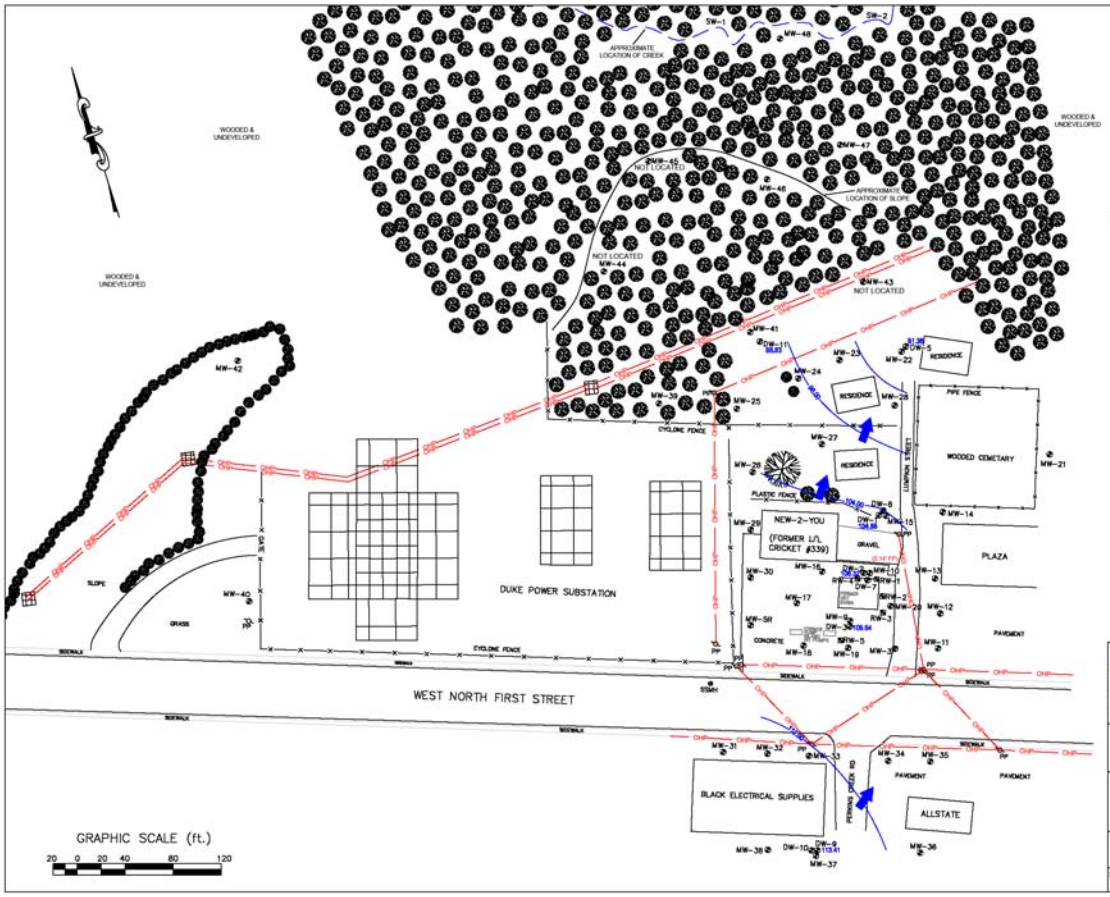
FIGURE 5A
SITE POTENTIOMETRIC MAP
(SHALLOW)

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170P	07303
SCALE 1" = 80'	DATE February 2017



LEGEND AND ABBREVIATIONS:

- MW = MONITORING WELL
- RW = RECOVERY WELL
- SSMH = SANITARY SEWER MAN HOLE
- PP = POWER POLE
- UST = UNDERGROUND STORAGE TANK
- —X— = FENCE
- —OHP— = OVERHEAD POWER LINE
- 114.22 GROUNDWATER ELEVATION (RELATIVE TO AN ASSUMED DATUM)
- 108.00 GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION

MEASUREMENTS COLLECTED FEBRUARY 1-3, 2017.

ALL MW AND SAMPLE IDENTIFICATIONS ARE PRECEDED BY UST PERMIT #07303 (ie. 07303-MW3)

TERRY ENVIRONMENTAL SERVICES
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FIGURE 5B
SITE POTENTIOMETRIC MAP (DEEP)

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170P	07303
SCALE 1" = 80'	DATE February 2017

K. APPENDICES

1. Appendix A: Site Survey

Not Applicable

2. Appendix B: Sampling Logs and Laboratory Data

3. Appendix C: Tax Map

Not Applicable

4. Appendix D: Soil Boring/Field Screening Logs

Not Applicable

5. Appendix E: Well Completion Logs/SCDHEC 1903 Forms

Not Applicable

6. Appendix F: Aquifer Evaluation Forms

Not Applicable

7. Appendix G: Disposal Manifest

8. Appendix H: Local Zoning Regulations

Not Applicable

9. Appendix I: Fate and Transport Modeling Data

Not Applicable

10. Appendix J: Access Agreements

Not Applicable

11. Appendix K: Data Verification Checklist

APPENDIX A

Site Survey
(Not Applicable)

APPENDIX B

Sampling Logs and Laboratory Data

Groundwater Sampling Log

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P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/2/2017
Field Personnel	MT BS
General Weather	cloudy
Ambient Air Temperature	40°

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0845	Last Verification √(time)	1645

Monitoring Well Information

Well ID	07303 - MW-3	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	37-55	ft
Total Well Depth (nearest 0.1')	40.85	ft
Depth to Groundwater (nearest 0.01')	55.0	ft
Length of Water Column	14.15	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield Low ☐ Medium ☐ High ☐		

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

55.0

Volume (gal)	initial	sample									
Time (military)	1718										
pH (su)	5.55										
Spec Conductivity (mS/cm)	0.060										
Water Temperature (°C)	19.6										
Turbidity (NTU)	0.0										
Dissolved Oxygen (mg/L)	1.71										

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/2/2017
Field Personnel	MT BS
General Weather	cloudy
Ambient Air Temperature	60°

Monitoring Well Information

Well ID	07303 - MW-5R
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in
Screened Interval	50-60	ft
Total Well Depth (nearest 0.1')	60.0	ft
Depth to Groundwater (nearest 0.01')	40.54	ft
Length of Water Column	19.46	ft
1 Casing Volume (0.163)	3.17	ft
3 Casing Volumes (0.489)	9.51	gals
Total Volume Purged	10.50	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

60.0

Purge Technique Utilized (bailer, pump)

Well Yield — Low ☐ Medium ☒ High ☐

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0845	Last Verification √(time)	1046

Volume (gal)	IN ATM	1.75	3.50	5.25	7.00	8.75	10.50	Sample		
Time (military)	1625	1629	1633	1637	1641	1645	1649			
pH (su)	6.11	6.38	6.44	6.45	6.71	6.73	6.75			
Spec Conductivity (mS/cm)	0.211	0.214	0.223	0.241	0.245	0.244	0.249			
Water Temperature (°C)	19.2	18.9	18.7	18.6	18.8	18.8	18.8			
Turbidity (NTU)	380.2	204	174	111	128	123	122			
Dissolved Oxygen (mg/L)	2.49	2.55	2.48	2.43	1.43	1.41	1.39			

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 /3 /2017
Field Personnel	MT BS
General Weather	cloudy
Ambient Air Temperature	60

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0830	Last Verification √ (time)	–

Monitoring Well Information

Well ID	07303 - MW-9	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	45-55	ft
Total Well Depth (nearest 0.1')	55.0	ft
Depth to Groundwater (nearest 0.01')	39.24	ft
Length of Water Column	15.76	ft
1 Casing Volume (0.163)	2.57	ft
3 Casing Volumes (0.489)	7.71	gals
Total Volume Purged	8.25	gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☒ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

55.0

Volume (gal)	initial	2.75	5.50	8.25	/ sample				
Time (military)	1120	1123	1126	1129					
pH (su)	6.59	6.42	6.41	6.40					
Spec Conductivity (mS/cm)	0.091	0.093	0.095	0.095					
Water Temperature (°C)	19.1	19.9	19.8	19.8					
Turbidity (NTU)	0.0	49.1	49.6	49.7					
Dissolved Oxygen (mg/L)	3.08	5.45	5.41	5.34					

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/3/2017
Field Personnel	MT BS
General Weather	Cloudy
Ambient Air Temperature	40's

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0830	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - MW-10	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	42-52	ft
Total Well Depth (nearest 0.1')		ft
Depth to Groundwater (nearest 0.01')		ft
Length of Water Column		ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Volume (gal)					
Time (military)					
pH (su)					
Spec Conductivity (mS/cm)					
Water Temperature (°C)					
Turbidity (NTU)					
Dissolved Oxygen (mg/L)					

CNS - PRODUCT

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

DTP 43.17
DTW 43.31
Difference 0.14
Color: AMBER

Groundwater Sampling Log

TERRY Environmental Services
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P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/2/2017
Field Personnel	MTBS
General Weather	Cloudy
Ambient Air Temperature	40°

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0645	Last Verification √ (time)	1645

Monitoring Well Information

Well ID	07303 - MW-11	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	40-50	ft
Total Well Depth (nearest 0.1')	50.0	ft
Depth to Groundwater (nearest 0.01')	42.62	ft
Length of Water Column	7.38	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

50.0

Volume (gal)	initial/sample									
Time (military)	1730									
pH (su)	5.31									
Spec Conductivity (mS/cm)	0.056									
Water Temperature (°C)	19.7									
Turbidity (NTU)	0.0									
Dissolved Oxygen (mg/L)	3.32									

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 3 /2017
Field Personnel	MT BS
General Weather	Cloudy
Ambient Air Temperature	60.

Quality Assurance

pH Meter	Horiba U-52-2	*Conductivity Meter*	Horiba U-52-2
Serial Number	VWKAUMKJ	*Serial Number*	VWKAUMKJ
Calibration Constant	4.00	*Calibration Constant*	4.49 mS/cm
Calibration Constant	6.86	*Calibration Constant*	53.0 mS/cm
Calibration Constant	9.18	*Calibration Constant*	58.7 mS/cm
Last Calibration (time)	0830	*Last Verification √ (time)*	—

Monitoring Well Information

Well ID	07303 - MW-12		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-50	ft	
Total Well Depth (nearest 0.1')	50.0	ft	
Depth to Groundwater (nearest 0.01')	44.73	ft	
Length of Water Column	5.27	ft	
1 Casing Volume (0.163)	/	ft	
3 Casing Volumes (0.489)	/	gals	
Total Volume Purged	/	gals	
Purge Technique Utilized (bailer, pump)			50.0
Well Yield Low ☐ Medium ☐ High ☐			

Volume (gal)	INITIAL	SAMPLE									
Time (military)	0845										
pH (su)	5.43										
Spec Conductivity (mS/cm)	0.069										
Water Temperature (°C)	19.7										
Turbidity (NTU)	25.4										
Dissolved Oxygen (mg/L)	2.55										

Well Condition Information

-overall condition acceptable?	ym
-well cap acceptable?	↓
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/3 /2017
Field Personnel	MT BS
General Weather	cloudy
Ambient Air Temperature	60.

Monitoring Well Information

Well ID	07303 - MW-13
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40 - 50	ft	
Total Well Depth (nearest 0.1')	50.0	ft	
Depth to Groundwater (nearest 0.01')	44.72	ft	
Length of Water Column	5.28	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			50.0
Well Yield	Low ☐ Medium ☐ High ☐		

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0830	Last Verification √ (time)	–

Volume (gal)	initial sample										
Time (military)	0905										
pH (su)	5.82										
Spec Conductivity (mS/cm)	0.107										
Water Temperature (°C)	17.7										
Turbidity (NTU)	33.0										
Dissolved Oxygen (mg/L)	1.67										

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 2 /2017
Field Personnel	MT BS
General Weather	cloudy
Ambient Air Temperature	60

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0645	Last Verification √ (time)	1245

Monitoring Well Information

Well ID	07303 - MW-14	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	45-55	ft
Total Well Depth (nearest 0.1')	55.0	ft
Depth to Groundwater (nearest 0.01')	50.11	ft
Length of Water Column	4.89	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield — Low ☐ Medium ☐ High ☐		

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

55.0

Volume (gal)	INITIAL	15 mypal									
Time (military)	1450										
pH (su)	7.26										
Spec Conductivity (mS/cm)	0.084										
Water Temperature (°C)	19.3										
Turbidity (NTU)	0.0										
Dissolved Oxygen (mg/L)	2.57										

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/2/2017
Field Personnel	MT RBS
General Weather	CLEAR
Ambient Air Temperature	40°

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0845	Last Verification √ (time)	1245

Monitoring Well Information

Well ID	07303 - MW-1S
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-50	ft	
Total Well Depth (nearest 0.1')	50.0	ft	
Depth to Groundwater (nearest 0.01')	46.48	ft	
Length of Water Column	3.52	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			50.0
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	initial / Sample								
Time (military)	1435								
pH (su)	5.42								
Spec Conductivity (mS/cm)	0.350								
Water Temperature (°C)	20.3								
Turbidity (NTU)	14.3								
Dissolved Oxygen (mg/L)	1.98								

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

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Summerville, SC 29484
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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/2/2017
Field Personnel	MTBS
General Weather	cloudy
Ambient Air Temperature	40°

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0845	Last Verification √ (time)	1245

Monitoring Well Information

Well ID	07303 - MW-16	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	40-55	ft
Total Well Depth (nearest 0.1')	55.0	ft
Depth to Groundwater (nearest 0.01')	40.22	ft
Length of Water Column	14.78	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

55.0

Volume (gal)	INITIAL / Sample										
Time (military)	1615										
pH (su)	10.19										
Spec Conductivity (mS/cm)	0.151										
Water Temperature (°C)	19.3										
Turbidity (NTU)	29.2										
Dissolved Oxygen (mg/L)	1.26										

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 2 /2017
Field Personnel	MTTBS
General Weather	Cloudy
Ambient Air Temperature	40°

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0645	Last Verification √ (time)	1645

Monitoring Well Information

Well ID	07303 - MW-17	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	40-55	ft
Total Well Depth (nearest 0.1')	55.0	ft
Depth to Groundwater (nearest 0.01')	40.05	ft
Length of Water Column	14.95	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

550

Volume (gal)	initial	Sample									
Time (military)	1703										
pH (su)	6.40										
Spec Conductivity (mS/cm)	~~0.05~~ not	0.075									
Water Temperature (°C)	19.5										
Turbidity (NTU)	4.5										
Dissolved Oxygen (mg/L)	2.11										

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 /3 /2017
Field Personnel	MT BS
General Weather	cloudy
Ambient Air Temperature	60°

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0830	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - MW-18	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	35 50	ft
Total Well Depth (nearest 0.1')	49.9	ft
Depth to Groundwater (nearest 0.01')	39.41	ft
Length of Water Column	10.49	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

49.9

Volume (gal)	INITIAL	/ Sample									
Time (military)	1105										
pH (su)	8.49										
Spec Conductivity (mS/cm)	0.193										
Water Temperature (°C)	18.4										
Turbidity (NTU)	7.4										
Dissolved Oxygen (mg/L)	2.05										

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 3 /2017
Field Personnel	MT BS
General Weather	cloudy
Ambient Air Temperature	60.0

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0830	Last Verification √ (time)	1230

Monitoring Well Information

Well ID	07303 - MW-19
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in
Screened Interval	58-53	ft
Total Well Depth (nearest 0.1')	53.0	ft
Depth to Groundwater (nearest 0.01')	39.40	ft
Length of Water Column	13.60	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

530

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Volume (gal)	initial	sample								
Time (military)	1245									
pH (su)	6.13									
Spec Conductivity (mS/cm)	0.194									
Water Temperature (°C)	19.1									
Turbidity (NTU)	73									
Dissolved Oxygen (mg/L)	2.32									

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

slight odor

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/3/2017
Field Personnel	MCT RDS
General Weather	cloudy
Ambient Air Temperature	40°

Monitoring Well Information

Well ID	07303 - MW-20
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

			TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Well Diameter	2	in	
Screened Interval	35-50	ft	
Total Well Depth (nearest 0.1')	50.0	ft	
Depth to Groundwater (nearest 0.01')	42.33	ft	
Length of Water Column	7.67	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			50.0
Well Yield	Low ☐ Medium ☐ High ☐		

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0830	Last Verification √(time)	

Volume (gal)	In Hach / Sample									
Time (military)	1145									
pH (su)	6.27									
Spec Conductivity (mS/cm)	0.275									
Water Temperature (°C)	18.8									
Turbidity (NTU)	0.0									
Dissolved Oxygen (mg/L)	2.01									

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

DUP @ 1147

Visible sheen, strong odor

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 2 /2017
Field Personnel	MT BS
General Weather	cloudy
Ambient Air Temperature	40°

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0845	Last Verification √(time)	1245

Monitoring Well Information

Well ID	07303 - MW-21		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-55	ft	
Total Well Depth (nearest 0.1')	55.0	ft	
Depth to Groundwater (nearest 0.01')	49.05	ft	
Length of Water Column	5.95	ft	
1 Casing Volume (0.163)	/	ft	
3 Casing Volumes (0.489)	/	gals	
Total Volume Purged	/	gals	
Purge Technique Utilized (bailer, pump)			550
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	initial/Sample									
Time (military)	1505									
pH (su)	7.97									
Spec Conductivity (mS/cm)	0.055									
Water Temperature (°C)	19.2									
Turbidity (NTU)	22.2									
Dissolved Oxygen (mg/L)	9.10									

Well Condition Information

-overall condition acceptable?	yes
-well cap acceptable?	↓
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 2 /2017
Field Personnel	MT BS
General Weather	cloudy
Ambient Air Temperature	40°

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0945	Last Verification √(time)	

Monitoring Well Information

Well ID	07303 - MW-22	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	40 - 55	ft
Total Well Depth (nearest 0.1')	55.0	ft
Depth to Groundwater (nearest 0.01')	49.53	ft
Length of Water Column	5.47	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

55.0

Volume (gal)	initial / Sample										
Time (military)	1155										
pH (su)	10.80										
Spec Conductivity (mS/cm)	0.335										
Water Temperature (°C)	19.4										
Turbidity (NTU)	44.0										
Dissolved Oxygen (mg/L)	3.54										

Well Condition Information

-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 12 /2017
Field Personnel	MTBS
General Weather	cloudy
Ambient Air Temperature	60's

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0845	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - MW-23		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-55	ft	
Total Well Depth (nearest 0.1')	550	ft	
Depth to Groundwater (nearest 0.01')	50.06	ft	
Length of Water Column	4.94	ft	
1 Casing Volume (0.163)	/	ft	
3 Casing Volumes (0.489)	/	gals	
Total Volume Purged	/	gals	
Purge Technique Utilized (bailer, pump)			550
Well Yield	Low ☐	Medium ☐	High ☐

Volume (gal)	initial	Sample									
Time (military)	1140										
pH (su)	6.39										
Spec Conductivity (mS/cm)	0.262										
Water Temperature (°C)	19.6										
Turbidity (NTU)	0.0										
Dissolved Oxygen (mg/L)	1.53										

Well Condition Information

-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/2/2017
Field Personnel	MTBS
General Weather	Cloudy
Ambient Air Temperature	60°

Monitoring Well Information

Well ID	07303 - MW-24
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in
Screened Interval	40 - 55	ft
Total Well Depth (nearest 0.1')	54.9	ft
Depth to Groundwater (nearest 0.01')	50.23	ft
Length of Water Column	~~4.67~~ 4.77	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

54.9

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

pH Meter	Horiba U-52-2	*Conductivity Meter*	Horiba U-52-2
Serial Number	VWKAUMKJ	*Serial Number*	VWKAUMKJ
Calibration Constant	4.00	*Calibration Constant*	4.49 mS/cm
Calibration Constant	6.86	*Calibration Constant*	53.0 mS/cm
Calibration Constant	9.18	*Calibration Constant*	58.7 mS/cm
Last Calibration (time)	0845	*Last Verification √(time)*	—

Volume (gal)	INITIAL	Sample								
Time (military)	1125									
pH (su)	6.40									
Spec Conductivity (mS/cm)	0.231									
Water Temperature (°C)	19.2									
Turbidity (NTU)	2.1									
Dissolved Oxygen (mg/L)	1.83									

Well Condition Information

-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Slight odor

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/2/2017
Field Personnel	MT RBS
General Weather	cloudy
Ambient Air Temperature	60°

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0845	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - MW-25	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	39-54	ft
Total Well Depth (nearest 0.1')	54.0	ft
Depth to Groundwater (nearest 0.01')	48.29	ft
Length of Water Column	5.71	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

54.0

Volume (gal)	INITIAL	/ SAMPLE									
Time (military)	1110										
pH (su)	6.26										
Spec Conductivity (mS/cm)	0.351										
Water Temperature (°C)	19.2										
Turbidity (NTU)	8.0										
Dissolved Oxygen (mg/L)	1.91										

Well Condition Information

-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/2/2017
Field Personnel	MT BS
General Weather	Clear
Ambient Air Temperature	40s

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0645	Last Verification √ (time)	1245

Monitoring Well Information

Well ID	07303 - MW-20	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	37-52	ft
Total Well Depth (nearest 0.1')	52.0	ft
Depth to Groundwater (nearest 0.01')	46.24	ft
Length of Water Column	5.76	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

52.0

Volume (gal)	initial	sample									
Time (military)	1255										
pH (su)	6.20										
Spec Conductivity (mS/cm)	0.414										
Water Temperature (°C)	19.6										
Turbidity (NTU)	12.9										
Dissolved Oxygen (mg/L)	12.0										

Well Condition Information

-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Marked with flagging tape

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/2/2017
Field Personnel	MT BS
General Weather	clear
Ambient Air Temperature	70

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0645	Last Verification √ (time)	1245

Monitoring Well Information

Well ID	07303 - MW-27
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in
Screened Interval	40-55	ft
Total Well Depth (nearest 0.1')	55.0	ft
Depth to Groundwater (nearest 0.01')	48.07	ft
Length of Water Column	6.93	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

550

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Volume (gal)	Initial	Sample		
Time (military)	1310			
pH (su)	6.40			
Spec Conductivity (mS/cm)	0.108			
Water Temperature (°C)	19.1			
Turbidity (NTU)	11.5			
Dissolved Oxygen (mg/L)	3.40			

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/2 /2017
Field Personnel	MT BS
General Weather	clear
Ambient Air Temperature	65°

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0845	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - MW-28	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	40-55	ft
Total Well Depth (nearest 0.1')	55.0	ft
Depth to Groundwater (nearest 0.01')	50.13	ft
Length of Water Column	4.87	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

55.0

Volume (gal)	initial / sample									
Time (military)	1240									
pH (su)	9.01									
Spec Conductivity (mS/cm)	0.131									
Water Temperature (°C)	19.2									
Turbidity (NTU)	14.2									
Dissolved Oxygen (mg/L)	2.26									

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/2/2017
Field Personnel	MTBS
General Weather	cloudy
Ambient Air Temperature	60°

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0845	Last Verification √ (time)	1245

Monitoring Well Information

Well ID	07303 - MW-27
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in
Screened Interval	40-55	ft
Total Well Depth (nearest 0.1')	55.0	ft
Depth to Groundwater (nearest 0.01')	49.60	ft
Length of Water Column	5.40	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

55.0

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Volume (gal)	INITIAL	/ Sample									
Time (military)	1520										
pH (su)	6.26										
Spec Conductivity (mS/cm)	0.167										
Water Temperature (°C)	19.4										
Turbidity (NTU)	0.0										
Dissolved Oxygen (mg/L)	0.66										

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe? ↓
-other comments

Additional Comments

DVP @ 1522

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 2 /2017
Field Personnel	MT BS
General Weather	cloudy
Ambient Air Temperature	40's

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0645	Last Verification √ (time)	1245

Monitoring Well Information

Well ID	07303 - MW-30		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	45 - 60	ft	
Total Well Depth (nearest 0.1')	60.0	ft	
Depth to Groundwater (nearest 0.01')	40.54	ft	
Length of Water Column	19.46	ft	
1 Casing Volume (0.163)	3.17	ft	
3 Casing Volumes (0.489)	9.51	gals	
Total Volume Purged	10.50	gals	
Purge Technique Utilized (bailer, pump)			60.0
Well Yield	Low ☐ Medium ☒ High ☐		

Volume (gal)	INTIAL	1.75	3.50	5.25	7.00	8.75	10.50 / sample			
Time (military)	1535	1539	1543	1547	1551	1555	1559			
pH (su)	7.03	6.72	6.49	6.38	6.33	6.31	6.28			
Spec Conductivity (mS/cm)	0.131	0.125	0.129	0.118	0.109	0.109	0.104			
Water Temperature (°C)	18.9	18.8	18.7	18.5	14.4	18.4	18.4			
Turbidity (NTU)	14.2	39.2	35.1	35.3	34.2	33.8	34.2			
Dissolved Oxygen (mg/L)	2.44	2.13	2.39	2.33	2.30	2.26	2.22			

Well Condition Information

-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 1 /2017
Field Personnel	MT BS
General Weather	Clear
Ambient Air Temperature	70

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	1300	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - MW-31	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	26-41	ft
Total Well Depth (nearest 0.1')	41.0	ft
Depth to Groundwater (nearest 0.01')	34.40	ft
Length of Water Column	6.60	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

41.0

Volume (gal)	INTIAL/SAMPLE										
Time (military)	1440										
pH (su)	6.04										
Spec Conductivity (mS/cm)	0.029										
Water Temperature (°C)	19.9										
Turbidity (NTU)	2.5										
Dissolved Oxygen (mg/L)	6.06										

Well Condition Information

-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/1/2017
Field Personnel	MT BS
General Weather	Clear
Ambient Air Temperature	70°

Monitoring Well Information

Well ID	07303 - MW-32
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in
Screened Interval	30-45	ft
Total Well Depth (nearest 0.1')	45.0	ft
Depth to Groundwater (nearest 0.01')	36.12	ft
Length of Water Column	8.88	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		450
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	1300	Last Verification √ (time)	

Volume (gal)	initial	sample								
Time (military)	1500									
pH (su)	5.43									
Spec Conductivity (mS/cm)	0.067									
Water Temperature (°C)	19.6									
Turbidity (NTU)	3.9									
Dissolved Oxygen (mg/L)	2.03									

Well Condition Information

-overall condition acceptable?	Y
-well cap acceptable?	Y
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 1 /2017
Field Personnel	MT BS
General Weather	Clear
Ambient Air Temperature	70.

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	1300	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - MW-33	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	29-44	ft
Total Well Depth (nearest 0.1')	~~MW 0844.0~~	ft
Depth to Groundwater (nearest 0.01')	37.82	ft
Length of Water Column	6.18	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

44.0

Volume (gal)	INITIAL/Samp Ct										
Time (military)	1515										
pH (su)	5.56										
Spec Conductivity (mS/cm)	0.084										
Water Temperature (°C)	19.3										
Turbidity (NTU)	0.3										
Dissolved Oxygen (mg/L)	3.37										

Well Condition Information

-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 1 /2017
Field Personnel	MT BS
General Weather	clear
Ambient Air Temperature	70°

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	1300	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - MW-34	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	30-45	ft
Total Well Depth (nearest 0.1')	45.0	ft
Depth to Groundwater (nearest 0.01')	40.58	ft
Length of Water Column	4.42	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

45.0

Volume (gal)	initial	/ Sample									
Time (military)	1525										
pH (su)	5.09										
Spec Conductivity (mS/cm)	0.024										
Water Temperature (°C)	19.6										
Turbidity (NTU)	0.0										
Dissolved Oxygen (mg/L)	3.69										

Well Condition Information

-overall condition acceptable? ym
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/1/2017
Field Personnel	MTBS
General Weather	clear
Ambient Air Temperature	70°

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	1300	Last Verification √(time)	

Monitoring Well Information

Well ID	07303 - MW-35	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	31-46	ft
Total Well Depth (nearest 0.1')	46.0	ft
Depth to Groundwater (nearest 0.01')	41.49	ft
Length of Water Column	4.51	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

46.0

Volume (gal)	initial/sample			
Time (military)	1535			
pH (su)	5.57			
Spec Conductivity (mS/cm)	0.059			
Water Temperature (°C)	19.1			
Turbidity (NTU)	1.2			
Dissolved Oxygen (mg/L)	3.51			

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 1 /2017
Field Personnel	MTBS
General Weather	Clear
Ambient Air Temperature	70.

Monitoring Well Information

Well ID	07303 - MW-36
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in
Screened Interval	31-46	ft
Total Well Depth (nearest 0.1')	46.0	ft
Depth to Groundwater (nearest 0.01')	41.82	ft
Length of Water Column	4.18	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

46.0

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	1300	Last Verification √ (time)	

Volume (gal)	INITIAL	SAMPLE		
Time (military)	1425			
pH (su)	6.14			
Spec Conductivity (mS/cm)	0.046			
Water Temperature (°C)	20.2			
Turbidity (NTU)	0.0			
Dissolved Oxygen (mg/L)	11.96			

Well Condition Information

-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 1 /2017
Field Personnel	MTB
General Weather	CLEAR
Ambient Air Temperature	70.

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	1300	Last Verification √ (time)	✓

Monitoring Well Information

Well ID	07303 - MW-37
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in
Screened Interval	29-44	ft
Total Well Depth (nearest 0.1')	44.0	ft
Depth to Groundwater (nearest 0.01')	37.47	ft
Length of Water Column	6.53	ft
1 Casing Volume (0.163)	1.06	ft
3 Casing Volumes (0.489)	—	gals
Total Volume Purged	—	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

44.0

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Volume (gal)	1310	Sample									
Time (military)	INITIAL	NOT									
pH (su)	5.38										
Spec Conductivity (mS/cm)	0.059										
Water Temperature (°C)	21.2										
Turbidity (NTU)	0.0										
Dissolved Oxygen (mg/L)	3.66										

Well Condition Information

-overall condition acceptable? YES
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 1 /2017
Field Personnel	MTBS
General Weather	Clear
Ambient Air Temperature	70

Monitoring Well Information

Well ID	07303 - MW-38
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	32 - 47	ft	
Total Well Depth (nearest 0.1')	47.0	ft	
Depth to Groundwater (nearest 0.01')	36.23	ft	
Length of Water Column	10.77	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			47.0

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	1300	Last Verification √ (time)	

Volume (gal)	1320	sample								
Time (military)	initial									
pH (su)	6.55									
Spec Conductivity (mS/cm)	0.099									
Water Temperature (°C)	21.8									
Turbidity (NTU)	3.1									
Dissolved Oxygen (mg/L)	4.08									

Well Condition Information

-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 2 /2017
Field Personnel	MTBS
General Weather	cloudy
Ambient Air Temperature	60.

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0645	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - MW-39		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	42-52	ft	
Total Well Depth (nearest 0.1')	55.00	ft	
Depth to Groundwater (nearest 0.01')	50.35	ft	
Length of Water Column	4.65	ft	
1 Casing Volume (0.163)	/	ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			55.0
Well Yield	Low ☐	Medium ☐	High ☐

Volume (gal)	initial sample										
Time (military)	1045										
pH (su)	6.62										
Spec Conductivity (mS/cm)	0.076										
Water Temperature (°C)	19.5										
Turbidity (NTU)	15.3										
Dissolved Oxygen (mg/L)	6.29										

Well Condition Information

-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

stick-up well

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 1 /2017
Field Personnel	MT BS
General Weather	Clear
Ambient Air Temperature	70

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	1300	Last Verification √(time)	

Monitoring Well Information

Well ID	07303 - MW-40	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	6-16	ft
Total Well Depth (nearest 0.1')	16.0	ft
Depth to Groundwater (nearest 0.01')	14.44	ft
Length of Water Column	1.56	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

16.0

Volume (gal)	INITIAL	/	Sample								
Time (military)	1550										
pH (su)	5.32										
Spec Conductivity (mS/cm)	0.029										
Water Temperature (°C)	19.7										
Turbidity (NTU)	4.4										
Dissolved Oxygen (mg/L)	0.50										

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/2/2017
Field Personnel	MT BS
General Weather	cloudy
Ambient Air Temperature	60°

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0845	Last Verification √ (time)	—

Monitoring Well Information

Well ID	07303 - MW-41	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	42-52	ft
Total Well Depth (nearest 0.1')	52.0	ft
Depth to Groundwater (nearest 0.01')	48.40	ft
Length of Water Column	3.60	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

52.0

Volume (gal)	initial / sample										
Time (military)	1005										
pH (su)	10.57										
Spec Conductivity (mS/cm)	0.143										
Water Temperature (°C)	19.2										
Turbidity (NTU)	32.1										
Dissolved Oxygen (mg/L)	2.49										

Well Condition Information

-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 1 /2017
Field Personnel	MT BS
General Weather	CLEAR
Ambient Air Temperature	70.

Monitoring Well Information

Well ID	07303 - MW-42
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in
Screened Interval	2-9	ft
Total Well Depth (nearest 0.1')	12.0	ft
Depth to Groundwater (nearest 0.01')	8.28	ft
Length of Water Column	3.72	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

12.0

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	1300	Last Verification √ (time)	

Volume (gal)	INITIAL / Sample			
Time (military)	[illegible]			
pH (su)	5.61			
Spec Conductivity (mS/cm)	0.059			
Water Temperature (°C)	17.16			
Turbidity (NTU)	9.0			
Dissolved Oxygen (mg/L)	3.30			

Well Condition Information

-overall condition acceptable? Yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

stickup

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/2 /2017
Field Personnel	MTBS
General Weather	cloudy
Ambient Air Temperature	60.

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)		Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - MW-43
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter		in
Screened Interval		ft
Total Well Depth (nearest 0.1')		ft
Depth to Groundwater (nearest 0.01')		ft
Length of Water Column		ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Volume (gal)											
Time (military)											
pH (su)											
Spec Conductivity (mS/cm)					CNF - CNS						
Water Temperature (°C)											
Turbidity (NTU)											
Dissolved Oxygen (mg/L)											

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

MW overgrowth, scratched flush w/ metal detector
CNF

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/2/2017
Field Personnel	MT BS
General Weather	cloudy
Ambient Air Temperature	60°

Monitoring Well Information

Well ID	07303 - MW-44
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter		in
Screened Interval		ft
Total Well Depth (nearest 0.1')		ft
Depth to Groundwater (nearest 0.01')		ft
Length of Water Column		ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)		Last Verification √ (time)	

Volume (gal)										
Time (military)										
pH (su)										
Spec Conductivity (mS/cm)					CNF - CNS					
Water Temperature (°C)										
Turbidity (NTU)										
Dissolved Oxygen (mg/L)										

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

Thick overgrowth / CNF
Soaked 1hr w/ metal detector &
shovel 1hr 1hr

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/2 /2017
Field Personnel	MTBS
General Weather	CLOUDY
Ambient Air Temperature	60°

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)		Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - MW-45
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter		in
Screened Interval		ft
Total Well Depth (nearest 0.1')		ft
Depth to Groundwater (nearest 0.01')		ft
Length of Water Column		ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Volume (gal)											
Time (military)											
pH (su)											
Spec Conductivity (mS/cm)						CNS- CNF					
Water Temperature (°C)											
Turbidity (NTU)											
Dissolved Oxygen (mg/L)											

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

THICK OVERBURDEN / CNF
SCREENED FOR W/ METAL DETECTOR
SHOVEL FOR 1 HR

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/2/2017
Field Personnel	MTPS
General Weather	cloudy
Ambient Air Temperature	40°

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0845	Last Verification √ (time)	—

Monitoring Well Information

Well ID	07303 - MW-46	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	40 - 50	ft
Total Well Depth (nearest 0.1')	50.0	ft
Depth to Groundwater (nearest 0.01')	46.97	ft
Length of Water Column	3.03	ft
1 Casing Volume (0.163)	/	ft
3 Casing Volumes (0.489)	/	gals
Total Volume Purged	/	gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

50.0

Volume (gal)	initial	Sample									
Time (military)	0944										
pH (su)	5.46										
Spec Conductivity (mS/cm)	0.035										
Water Temperature (°C)	17.0										
Turbidity (NTU)	11.4										
Dissolved Oxygen (mg/L)	4.34										

Well Condition Information

-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Marked w/ flagging tape & paint

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/2/2017
Field Personnel	MT BS
General Weather	cloudy
Ambient Air Temperature	60°

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0845	Last Verification √(time)	—

Monitoring Well Information

Well ID	07303 - MW-47
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	32-42	ft	
Total Well Depth (nearest 0.1')	42.0	ft	
Depth to Groundwater (nearest 0.01')	37.78	ft	
Length of Water Column	4.22	ft	
1 Casing Volume (0.163)	/	ft	
3 Casing Volumes (0.489)	/	gals	
Total Volume Purged	/	gals	
Purge Technique Utilized (bailer, pump)			42.0
Well Yield	Low ☐	Medium ☐	High ☐

Volume (gal)	initial	Sample								
Time (military)	0915									
pH (su)	5.27									
Spec Conductivity (mS/cm)	0.023									
Water Temperature (°C)	16.1									
Turbidity (NTU)	27.5									
Dissolved Oxygen (mg/L)	4.35									

Well Condition Information

-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Marked w/ flagging, tape & paint

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/2/2017
Field Personnel	NTT BS
General Weather	~~hot~~ cloudy
Ambient Air Temperature	~~80~~ 40's

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0845	Last Verification √(time)	

Monitoring Well Information

Well ID	07303 - MW-48	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	3-8	ft
Total Well Depth (nearest 0.1')	~~8.0~~ 7.4	ft
Depth to Groundwater (nearest 0.01')	~~4.04~~ 3.71	ft
Length of Water Column	3.96	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

8.0

Volume (gal)	initial/sample									
Time (military)	0900									
pH (su)	5.42									
Spec Conductivity (mS/cm)	0.121									
Water Temperature (°C)	10.2									
Turbidity (NTU)	31.2									
Dissolved Oxygen (mg/L)	8.3									

Well Condition Information

-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Marked w/ flagging tape & paint

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/2/2017
Field Personnel	MTBS
General Weather	CLEAR
Ambient Air Temperature	70

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0845	Last Verification √(time)	1245

Monitoring Well Information

Well ID	07303 - DW-1	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	75-80	ft
Total Well Depth (nearest 0.1')	80.0	ft
Depth to Groundwater (nearest 0.01')	47.48	ft
Length of Water Column	32.52	ft
1 Casing Volume (0.163)	5.30	ft
3 Casing Volumes (0.489)	15.90	gals
Total Volume Purged	16.50	gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☒	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

80.0

Volume (gal)	INITIAL	~~2.75~~	5.50	8.25	11.00	13.75	16.50 / sample			
Time (military)	1402	1405	1408	1411	1414	1417	1420			
pH (su)	7.01	7.11	7.37	7.28	6.02	5.96	5.92			
Spec Conductivity (mS/cm)	0.152	0.155	0.178	0.182	0.170	0.171	0.165			
Water Temperature (°C)	19.3	19.1	19.1	19.1	17.2	17.2	17.2			
Turbidity (NTU)	8.3	962	330	3.067	0.5	0.2	0.0			
Dissolved Oxygen (mg/L)	2.89	3.01	2.20	1.87	1.27	1.24	1.22			

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/3/2017
Field Personnel	MT BS
General Weather	cloudy
Ambient Air Temperature	40°

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0830	Last Verification √ (time)	–

Monitoring Well Information

Well ID	07303 - DW-2
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in
Screened Interval	75-80	ft
Total Well Depth (nearest 0.1')	80.0	ft
Depth to Groundwater (nearest 0.01')	43.45	ft
Length of Water Column	36.55	ft
1 Casing Volume (0.163)	5.95	ft
3 Casing Volumes (0.489)	17.87	gals
Total Volume Purged	18.0	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump) — 80.0

Well Yield — Low ☐ Medium ☒ High ☐

Volume (gal)	initial	3.0	6.0	9.0	12.0	15.0	18.0	Sample		
Time (military)	0958	1001	1004	1007	1010	1013	1016			
pH (su)	11.47	9.24	6.50	6.50	6.50	6.51	6.52			
Spec Conductivity (mS/cm)	2.87	1.358	0.161	0.153	0.156	0.155	0.155			
Water Temperature (°C)	16.3	17.2	18.4	18.5	18.5	18.5	18.5			
Turbidity (NTU)	22.4	132	0.0	10.2	2.3	1.9	1.8			
Dissolved Oxygen (mg/L)	2.10	2.11	2.05	2.42	2.31	2.33	2.35			

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/3 /2017
Field Personnel	MH RDS
General Weather	cloudy
Ambient Air Temperature	40°

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0830	Last Verification √ (time)	—

Monitoring Well Information

Well ID	07303 - DW-3	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	75-80	ft
Total Well Depth (nearest 0.1')	80.0	ft
Depth to Groundwater (nearest 0.01')	41.19	ft
Length of Water Column	38.81	ft
1 Casing Volume (0.163)	6.32	ft
3 Casing Volumes (0.489)	18.97	gals
Total Volume Purged	19.50	gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

80.0

Volume (gal)	INITIAL	3.25	6.50	9.75	13.00	16.25	19.50	Sample		
Time (military)	1035	1038	1041	1044	1047	1050	1053			
pH (su)	8.39	8.12	7.49	7.32	6.30	6.28	6.22			
Spec Conductivity (mS/cm)	0.207	0.189	0.180	0.167	0.163	0.161	0.160			
Water Temperature (°C)	17.3	18.1	18.2	17.9	17.8	17.8	17.8			
Turbidity (NTU)	31.5	11.4	4.2	0.5	0.3	0.1	0.0			
Dissolved Oxygen (mg/L)	3.12	2.02	1.80	3.11	0.93	0.89	0.88			

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/2/2017
Field Personnel	MT DS
General Weather	cloudy
Ambient Air Temperature	60s

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0845	Last Verification √(time)	

Monitoring Well Information

Well ID	07303 - DW-5	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	75-80	ft
Total Well Depth (nearest 0.1')	80.0	ft
Depth to Groundwater (nearest 0.01')	68.81	ft
Length of Water Column	11.19	ft
1 Casing Volume (0.163)	1.93	ft
3 Casing Volumes (0.489)	5.81	gals
Total Volume Purged	6.0	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☒ High ☐

Volume (gal)	initial	1.0	2.0	3.0	4.0	5.0	6.0	sample		800
Time (military)	1208	1211	1214	1217	1220	1223	1226			
pH (su)	11.86	11.88	11.41	11.35	11.29	11.22	11.25			
Spec Conductivity (mS/cm)	6.38	5.85	6.09	6.03	6.41	6.40	6.37			
Water Temperature (°C)	19.4	19.2	19.8	19.4	19.3	19.3	19.3			
Turbidity (NTU)	65.2	92.5	86.3	82.1	80.1	79.4	79.1			
Dissolved Oxygen (mg/L)	2.61	3.79	3.31	3.30	3.22	3.17	3.15			

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/2/2017
Field Personnel	MT RS
General Weather	Clear
Ambient Air Temperature	70

Monitoring Well Information

Well ID	07303 - MW-4
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in
Screened Interval	115-130	ft
Total Well Depth (nearest 0.1')	130.0	ft
Depth to Groundwater (nearest 0.01')	51.41	ft
Length of Water Column	78.59	ft
1 Casing Volume (0.163)	12.81	ft
3 Casing Volumes (0.489)	38.43	gals
Total Volume Purged	37.0	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☒

1300

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0645	Last Verification √(time)	1245

Volume (gal)	INITIAL	6.5	13.0	19.5	26.0	32.5	39.0	/ Sample	
Time (military)	1325	1329	1333	1337	1341	1345	1349		
pH (su)	9.86	10.19	10.29	10.24	10.11	10.12	10.15		
Spec Conductivity (mS/cm)	0.303	0.356	0.356	0.356	0.362	0.362	0.362		
Water Temperature (°C)	19.5	19.1	19.1	19.3	19.6	19.6	19.6		
Turbidity (NTU)	79	10.0	1.6	3.1	9.1	9.3	9.7		
Dissolved Oxygen (mg/L)	0.99	2.09	2.71	1.56	2.35	2.31	2.30		

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Strong organic/sulfury smell

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/3/2017
Field Personnel	MH BS
General Weather	cloudy
Ambient Air Temperature	60.

Monitoring Well Information

Well ID	07303 - DW-7
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	2	in
Screened Interval	115 120	ft
Total Well Depth (nearest 0.1')	120.0	ft
Depth to Groundwater (nearest 0.01')	93.42	ft
Length of Water Column	26.58	ft
1 Casing Volume (0.163)	9.22	ft
3 Casing Volumes (0.489)	27.67	gals
Total Volume Purged	28.50	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

120.0

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☒ High ☐

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0830	Last Verification √ (time)	

Volume (gal)	initial	4.75	9.50	14.25	19.0	23.75	28.50	Sample		
Time (military)	0920	0924	0928	0932	0936	0940	0944			
pH (su)	11.71	11.62	11.60	11.54	11.47	11.53	11.54			
Spec Conductivity (mS/cm)	2.93	2.90	2.87	2.70	2.38	2.40	2.42			
Water Temperature (°C)	15.7	16.2	17.7	17.3	16.8	16.6	16.9			
Turbidity (NTU)	0.0	123	93.8	48.1	16.7	10.1	15.4			
Dissolved Oxygen (mg/L)	2.34	2.11	2.14	2.08	0.42	0.58	0.55			

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Slight organic odor

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/1/2017
Field Personnel	MT BS
General Weather	Weak
Ambient Air Temperature	70°

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	1300	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - DW-9	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	75-80	ft
Total Well Depth (nearest 0.1')	80.0	ft
Depth to Groundwater (nearest 0.01')	38.55	ft
Length of Water Column	41.45	ft
1 Casing Volume (0.163)	6.75	ft
3 Casing Volumes (0.489)	20.27	gals
Total Volume Purged	21.0	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

80.0

Purge Technique Utilized (bailer / pump)

Well Yield — Low ☐ Medium ☒ High ☐

Volume (gal)	INITIAL	3.50	7.00	10.50	14.0	17.5	21.0 / Sample		
Time (military)	1400	1403	1406	1409	1412	1415	1418		
pH (su)	10.57	9.76	8.87	8.36	8.15	8.11	8.09		
Spec Conductivity (mS/cm)	0.352	0.135	0.125	0.118	0.117	0.117	0.117		
Water Temperature (°C)	20.1	19.3	19.3	19.1	19.1	19.1	19.1		
Turbidity (NTU)	4.1	4.0	0.0	0.0	0.0	0.0	0.0		
Dissolved Oxygen (mg/L)	1.01	3.73	3.06	3.82	3.17	3.19	3.14		

Well Condition Information

-overall condition acceptable? MM

-well cap acceptable?

-manhole and cover acceptable?

-well pad acceptable?

-area safe?

-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/1/2017
Field Personnel	MTBS
General Weather	Clear
Ambient Air Temperature	70°

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	1300	Last Verification √(time)	

Monitoring Well Information

Well ID	07303 - DW-10	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	2	in
Screened Interval	115-120	ft
Total Well Depth (nearest 0.1')	~~80.04~~ 120.0	ft
Depth to Groundwater (nearest 0.01')	39.96	ft
Length of Water Column	80.04	ft
1 Casing Volume (0.163)	13.04	ft
3 Casing Volumes (0.489)	39.12	gals
Total Volume Purged	40.50	gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☒ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

120.0

Volume (gal)	INITIAL	6.75	13.50	20.25	27.0	33.75	40.50	sample	
Time (military)	1330	1334	1338	1342	1346	1350	1354		
pH (su)	11.15	11.42	11.49	11.46	11.45	11.41	11.40		
Spec Conductivity (mS/cm)	1.43	1.70	1.74	1.76	1.77	1.76	1.75		
Water Temperature (°C)	21.0	20.2	20.1	19.5	19.5	19.5	19.5		
Turbidity (NTU)	7.1	34.3	24.2	30.7	20.1	20.3	20.4		
Dissolved Oxygen (mg/L)	2.21	1.32	5.53	3.65	1.12	1.10	1.06		

Well Condition Information

-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/2/2017
Field Personnel	MTBS
General Weather	cloudy
Ambient Air Temperature	60

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0645	Last Verification √ (time)	

Monitoring Well Information

Well ID	07303 - DW-11		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	74-79	ft	
Total Well Depth (nearest 0.1')	78.9	ft	
Depth to Groundwater (nearest 0.01')	48.83	ft	
Length of Water Column	30.07	ft	
1 Casing Volume (0.163)	4.90	ft	
3 Casing Volumes (0.489)	14.70	gals	
Total Volume Purged	15.0	gals	
Purge Technique Utilized (bailer, pump)			78.9
Well Yield	Low ☐ Medium ☒ High ☐		

Volume (gal)	initial	2.50	5.00	7.50	10.0	12.5	15.0	Sample		
Time (military)	1010	1013	1016	1019	1022	1025	1028			
pH (su)	6.07	6.26	6.36	6.32	6.29	6.31	6.30			
Spec Conductivity (mS/cm)	0.299	0.281	0.267	0.261	0.254	0.255	0.254			
Water Temperature (°C)	17.3	17.6	17.7	17.7	17.8	17.8	17.8			
Turbidity (NTU)	60.9	61.4	29.5	23.7	24.9	25.1	25.2			
Dissolved Oxygen (mg/L)	0.51	0.18	2.08	1.65	1.30	1.30	1.29			

Well Condition Information

-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

DUP @ 1030

Miracles

settling period over

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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1-800-325-0605

Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/13 /2017
Field Personnel	MT 125
General Weather	Cloudy
Ambient Air Temperature	100

Monitoring Well Information

Well ID	07303 - RW-1	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	4	in
Screened Interval	30.1 - 50.1	ft
Total Well Depth (nearest 0.1')	50.1	ft
Depth to Groundwater (nearest 0.01')	42.98	ft
Length of Water Column	7.12	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

50.1

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0830	Last Verification √ (time)	

Volume (gal)	INITIAL / SAMPLE								
Time (military)	1200								
pH (su)	7.77								
Spec Conductivity (mS/cm)	0.400								
Water Temperature (°C)	17.2								
Turbidity (NTU)	23.1								
Dissolved Oxygen (mg/L)	1.49								

Well Condition Information

-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Fishing tank, slight sheen

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/3 /2017
Field Personnel	MTBS
General Weather	Cloudy
Ambient Air Temperature	60°

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0536	Last Verification √ (time)	1230

Monitoring Well Information

Well ID	07303 - PW-2		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	4	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	30.1 - 50.1	ft	
Total Well Depth (nearest 0.1')	50.1	ft	
Depth to Groundwater (nearest 0.01')	42.04	ft	
Length of Water Column	7.46	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			50.1
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	initial	sample							
Time (military)	1238							*	
pH (su)	6.09								
Spec Conductivity (mS/cm)	0.275								
Water Temperature (°C)	17.0								
Turbidity (NTU)	5.0								
Dissolved Oxygen (mg/L)	1.44								

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 3 /2017
Field Personnel	MT BS
General Weather	cloudy
Ambient Air Temperature	40°

Monitoring Well Information

Well ID	07303 - RW 3		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol		
Well Diameter	4	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	30.2-50.2	ft	
Total Well Depth (nearest 0.1')	50.2	ft	
Depth to Groundwater (nearest 0.01')	42.05	ft	
Length of Water Column	8.15	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			50.2
Well Yield	Low ☐ Medium ☐ High ☐		

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0930	Last Verification √ (time)	

Volume (gal)	PURGE WATER / Sample									
Time (military)	1215									
pH (su)	6.34									
Spec Conductivity (mS/cm)	0.279									
Water Temperature (°C)	19.7									
Turbidity (NTU)	2.5									
Dissolved Oxygen (mg/L)	2.92									

Well Condition Information

-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Visible sheen
Strong odor

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 3 /2017
Field Personnel	MTBS
General Weather	cloudy
Ambient Air Temperature	60°

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0830	Last Verification √(time)	

Monitoring Well Information

Well ID	07303 - PW-4	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol	
Well Diameter	4	in
Screened Interval	30.1 - 50.1	ft
Total Well Depth (nearest 0.1')	50.1	ft
Depth to Groundwater (nearest 0.01')	41.90	ft
Length of Water Column	8.20	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

50.1

Volume (gal)	INITIAL	/	SAMPLE								
Time (military)	1025										
pH (su)	0.2785										
Spec Conductivity (mS/cm)	9.73										
Water Temperature (°C)	17.9										
Turbidity (NTU)	3.4										
Dissolved Oxygen (mg/L)	2.48										

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 3 /2017
Field Personnel	MTPS
General Weather	cloudy
Ambient Air Temperature	60°

Monitoring Well Information

Well ID	07303 - RW-5
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter	4	in
Screened Interval	30-50	ft
Total Well Depth (nearest 0.1')		ft
Depth to Groundwater (nearest 0.01')		ft
Length of Water Column		ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	0830	Last Verification √ (time)	

Volume (gal)											
Time (military)											
pH (su)											
Spec Conductivity (mS/cm)							CNS - PRODUCT				
Water Temperature (°C)											
Turbidity (NTU)											
Dissolved Oxygen (mg/L)											

Well Condition Information

-overall condition acceptable?	YM
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

DTP 38.95
DTW 39.03
Difference 0.08
Color AMBER

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 1 /2017
Field Personnel	MT BS
General Weather	clear
Ambient Air Temperature	70.

Monitoring Well Information

Well ID	07303 - SW-1
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter		in
Screened Interval		ft
Total Well Depth (nearest 0.1')		ft
Depth to Groundwater (nearest 0.01')		ft
Length of Water Column		ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	1300	Last Verification √ (time)	

Volume (gal)	initial / sample									
Time (military)	1630									
pH (su)	5.97									
Spec Conductivity (mS/cm)	0.032									
Water Temperature (°C)	16.2									
Turbidity (NTU)	9.8									
Dissolved Oxygen (mg/L)	9.4									

Well Condition Information

-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Same location as previous tws' SW-1

Groundwater Sampling Log

TERRY Environmental Services
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Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170P
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 1 /2017
Field Personnel	MT BS
General Weather	CLEAR
Ambient Air Temperature	70

Monitoring Well Information

Well ID	07303 - SW-2
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, & Ethanol

Well Diameter		in
Screened Interval		ft
Total Well Depth (nearest 0.1')		ft
Depth to Groundwater (nearest 0.01')		ft
Length of Water Column		ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

pH Meter	Horiba U-52-2	Conductivity Meter	Horiba U-52-2
Serial Number	VWKAUMKJ	Serial Number	VWKAUMKJ
Calibration Constant	4.00	Calibration Constant	4.49 mS/cm
Calibration Constant	6.86	Calibration Constant	53.0 mS/cm
Calibration Constant	9.18	Calibration Constant	58.7 mS/cm
Last Calibration (time)	1300	Last Verification √ (time)	

Volume (gal)	INITIAL/Sample										
Time (military)	1645										
pH (su)	5.90										
Spec Conductivity (mS/cm)	0.092										
Water Temperature (°C)	16.4										
Turbidity (NTU)	16.2										
Dissolved Oxygen (mg/L)	9.1										

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

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1-800-325-0605

HORIBA U-52-2 DAILY CALIBRATION DATA SHEET

Serial Number: VWKAUMKJ **Date/Time:** 2/1/17 1300 **Inspector:** MT

Solution Manufacturer: Aurical **Lot Number:** 1208S **Expiration Date:** 3/14/17

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	4.01	± 0.01
Conductivity: 4.49 mS/cm	4.49 mS/cm	± 0.0 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	21.0 °C	21.0 °C	± 0.0°C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

2170P

TERRY Environmental Services
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Summerville, SC 29484
1-800-325-0605

HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number: VWKAUMKJ **Date/Time:** 2/1/17 1700 **Inspector:** MT

Solution Manufacturer: Aurical **Lot Number:** 1208S **Expiration Date:** 3/14/17

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	4.01	± 0.01
Conductivity: 4.49 mS/cm	4.48 mS/cm	± 0.01 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	23.2 °C	23.2 °C	± 0.0 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

2170P

TERRY Environmental Services
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1-800-325-0605

HORIBA U-52-2 DAILY CALIBRATION DATA SHEET

Serial Number: VWKAUMKJ **Date/Time:** 4/2/17 0845 **Inspector:** MT

Solution Manufacturer: Aurical **Lot Number:** 12085 **Expiration Date:** 3/14/17

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	4.03	± 0.03
Conductivity: 4.49 mS/cm	4.45 mS/cm	± 0.04 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	20.2 °C	20.2 °C	± 0.0 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

2170P

TERRY Environmental Services
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1-800-325-0605

HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number: VWKAUMKJ **Date/Time:** 2/2/17 1245 **Inspector:** MT

Solution Manufacturer: Aurical **Lot Number:** 12085 **Expiration Date:** 3/14/17

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	4.00	± 0.0
Conductivity: 4.49 mS/cm	4.49 mS/cm	± 0.0 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	22.3 °C	22.3 °C	± 0.0 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

2170P

TERRY Environmental Services
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1-800-325-0605

HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number: VWKAUMKJ **Date/Time:** 2/2/17 1645 **Inspector:** MT

Solution Manufacturer: Aurical **Lot Number:** 1208S **Expiration Date:** 3/14/17

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	4.00	± 0.0
Conductivity: 4.49 mS/cm	4.49 mS/cm	± 0.0 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	23.1 °C	23.1 °C	± 0.0 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

2170P

TERRY Environmental Services
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Summerville, SC 29484
1-800-325-0605

HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number: VWKAUMKJ **Date/Time:** 2/2/17 1745 **Inspector:** MH

Solution Manufacturer: Aurical **Lot Number:** 12085 **Expiration Date:** 3/14/17

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	4.02	± 0.02
Conductivity: 4.49 mS/cm	4.51 mS/cm	± 0.02 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	_____ °C	_____ °C	± °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

2170P

TERRY Environmental Services
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Summerville, SC 29484
1-800-325-0605

HORIBA U-52-2 DAILY CALIBRATION DATA SHEET

Serial Number: VWKAUMKJ **Date/Time:** 2/3/17 0838 **Inspector:** MT

Solution Manufacturer: Aurical **Lot Number:** 12085 **Expiration Date:** 3/14/17

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	4.04	± 0.04
Conductivity: 4.49 mS/cm	4.52 mS/cm	± 0.03 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	19.9 °C	19.9 °C	± 0.0 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

2170P

TERRY Environmental Services
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Summerville, SC 29484
1-800-325-0605

HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number: VWKAUMKJ **Date/Time:** 2/3/17 1230 **Inspector:** MH

Solution Manufacturer: Aurical **Lot Number:** 12085 **Expiration Date:** 3/14/17

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	4.01	± 0.01
Conductivity: 4.49 mS/cm	4.45 mS/cm	± 0.04 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer: 21.1 °C	21.1 °C	± 0.0 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

2170P

TERRY Environmental Services
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HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number: VWKAUMKJ **Date/Time:** 2/3/17 1250 **Inspector:** MT

Solution Manufacturer: Aurical **Lot Number:** 12085 **Expiration Date:** 3/14/17

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	4.01	± 0.01
Conductivity: 4.49 mS/cm	4.45 mS/cm	± 0.04 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	20.2 °C	20.2 °C	± 0.0 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

270P

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

Terry Environmental Services, Inc.
222 Varnfield Drive
Suite F
Summerville, SC 29483
Attention: Kelly Cone

Project Name: **F Li'l Cricket #339**

Project Number: **2170P**

Lot Number: **SB03105**

Date Completed: **02/10/2017**

Kelly M. Nance
Project Manager

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The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
Terry Environmental Services, Inc.
Lot Number: SB03105

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

GC/MS Volatiles
The MS/MSD associated with samples -008 and -020 had compounds recovered outside of the acceptance limits. The LCS was recovered within the required acceptance limits; therefore, this demonstrates a matrix effect and data quality is not impacted.

Sample Summary
Terry Environmental Services, Inc.
Lot Number: SB03105

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	07303 MW-3	Aqueous	02/02/2017 1718	02/03/2017
002	07303 MW-5R	Aqueous	02/02/2017 1649	02/03/2017
003	07303 MW-9	Aqueous	02/03/2017 1129	02/03/2017
004	07303 MW-11	Aqueous	02/02/2017 1730	02/03/2017
005	07303 MW-12	Aqueous	02/03/2017 0845	02/03/2017
006	07303 MW-13	Aqueous	02/03/2017 0905	02/03/2017
007	07303 MW-14	Aqueous	02/02/2017 1450	02/03/2017
008	07303 MW-15	Aqueous	02/02/2017 1435	02/03/2017
009	07303 MW-16	Aqueous	02/02/2017 1615	02/03/2017
010	07303 MW-17	Aqueous	02/02/2017 1703	02/03/2017
011	07303 MW-18	Aqueous	02/03/2017 1105	02/03/2017
012	07303 MW-19	Aqueous	02/03/2017 1245	02/03/2017
013	07303 MW-20	Aqueous	02/03/2017 1145	02/03/2017
014	07303 MW-21	Aqueous	02/02/2017 1505	02/03/2017
015	07303 MW-22	Aqueous	02/02/2017 1155	02/03/2017
016	07303 MW-23	Aqueous	02/02/2017 1140	02/03/2017
017	07303 MW-24	Aqueous	02/02/2017 1125	02/03/2017
018	07303 MW-25	Aqueous	02/02/2017 1110	02/03/2017
019	07303 MW-26	Aqueous	02/02/2017 1255	02/03/2017
020	07303 MW-27	Aqueous	02/02/2017 1310	02/03/2017
021	07303 MW-28	Aqueous	02/02/2017 1240	02/03/2017
022	07303 MW-29	Aqueous	02/02/2017 1520	02/03/2017
023	07303 MW-30	Aqueous	02/02/2017 1559	02/03/2017
024	07303 MW-31	Aqueous	02/01/2017 1440	02/03/2017
025	07303 MW-32	Aqueous	02/01/2017 1500	02/03/2017
026	07303 MW-33	Aqueous	02/01/2017 1515	02/03/2017
027	07303 MW-34	Aqueous	02/01/2017 1525	02/03/2017
028	07303 MW-35	Aqueous	02/01/2017 1535	02/03/2017
029	07303 MW-36	Aqueous	02/01/2017 1425	02/03/2017
030	07303 MW-37	Aqueous	02/01/2017 1310	02/03/2017

(30 samples)

Executive Summary
Terry Environmental Services, Inc.
Lot Number: SB03105

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
003	07303 MW-9	Aqueous	Benzene	8260B	10		ug/L	9
003	07303 MW-9	Aqueous	Ethylbenzene	8260B	33		ug/L	9
003	07303 MW-9	Aqueous	Methyl tertiary butyl ether	8260B	7.0		ug/L	9
003	07303 MW-9	Aqueous	Naphthalene	8260B	9.7		ug/L	9
003	07303 MW-9	Aqueous	Toluene	8260B	2.8		ug/L	9
003	07303 MW-9	Aqueous	Xylenes (total)	8260B	40		ug/L	9
004	07303 MW-11	Aqueous	Methyl tertiary butyl ether	8260B	0.95	J	ug/L	10
005	07303 MW-12	Aqueous	Methyl tertiary butyl ether	8260B	2.8		ug/L	11
007	07303 MW-14	Aqueous	Methyl tertiary butyl ether	8260B	1.3		ug/L	13
008	07303 MW-15	Aqueous	tert-Amyl alcohol (TAA)	8260B	480		ug/L	14
008	07303 MW-15	Aqueous	tert-Amyl methyl ether	8260B	22	J	ug/L	14
008	07303 MW-15	Aqueous	Benzene	8260B	190		ug/L	14
008	07303 MW-15	Aqueous	Ethylbenzene	8260B	320		ug/L	14
008	07303 MW-15	Aqueous	Methyl tertiary butyl ether	8260B	150		ug/L	14
008	07303 MW-15	Aqueous	Naphthalene	8260B	170		ug/L	14
008	07303 MW-15	Aqueous	tert-butyl alcohol (TBA)	8260B	970		ug/L	14
008	07303 MW-15	Aqueous	Toluene	8260B	160		ug/L	14
008	07303 MW-15	Aqueous	Xylenes (total)	8260B	1200		ug/L	14
009	07303 MW-16	Aqueous	tert-Amyl alcohol (TAA)	8260B	15	J	ug/L	15
009	07303 MW-16	Aqueous	tert-Amyl methyl ether	8260B	1.5	J	ug/L	15
009	07303 MW-16	Aqueous	Benzene	8260B	7.2		ug/L	15
009	07303 MW-16	Aqueous	Diisopropyl ether (IPE)	8260B	2.4		ug/L	15
009	07303 MW-16	Aqueous	Ethylbenzene	8260B	0.60	J	ug/L	15
009	07303 MW-16	Aqueous	Methyl tertiary butyl ether	8260B	26		ug/L	15
009	07303 MW-16	Aqueous	tert-butyl alcohol (TBA)	8260B	34		ug/L	15
012	07303 MW-19	Aqueous	tert-Amyl alcohol (TAA)	8260B	3300	J	ug/L	18
012	07303 MW-19	Aqueous	tert-Amyl methyl ether	8260B	310	J	ug/L	18
012	07303 MW-19	Aqueous	Benzene	8260B	1500		ug/L	18
012	07303 MW-19	Aqueous	Ethylbenzene	8260B	2100		ug/L	18
012	07303 MW-19	Aqueous	Methyl tertiary butyl ether	8260B	2200		ug/L	18
012	07303 MW-19	Aqueous	Naphthalene	8260B	1200		ug/L	18
012	07303 MW-19	Aqueous	tert-butyl alcohol (TBA)	8260B	6700		ug/L	18
012	07303 MW-19	Aqueous	Toluene	8260B	18000		ug/L	18
012	07303 MW-19	Aqueous	Xylenes (total)	8260B	16000		ug/L	18
013	07303 MW-20	Aqueous	tert-Amyl alcohol (TAA)	8260B	1700		ug/L	19
013	07303 MW-20	Aqueous	Benzene	8260B	370		ug/L	19
013	07303 MW-20	Aqueous	Ethylbenzene	8260B	2100		ug/L	19
013	07303 MW-20	Aqueous	Methyl tertiary butyl ether	8260B	250		ug/L	19
013	07303 MW-20	Aqueous	Naphthalene	8260B	710		ug/L	19
013	07303 MW-20	Aqueous	tert-butyl alcohol (TBA)	8260B	4600		ug/L	19
013	07303 MW-20	Aqueous	Toluene	8260B	4600		ug/L	19
013	07303 MW-20	Aqueous	Xylenes (total)	8260B	13000		ug/L	19
015	07303 MW-22	Aqueous	Methyl tertiary butyl ether	8260B	0.64	J	ug/L	21
016	07303 MW-23	Aqueous	tert-Amyl alcohol (TAA)	8260B	190		ug/L	22
016	07303 MW-23	Aqueous	tert-Amyl methyl ether	8260B	6.3	J	ug/L	22

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
016	07303 MW-23	Aqueous	Benzene	8260B	140		ug/L	22
016	07303 MW-23	Aqueous	1,2-Dichloroethane	8260B	3.7		ug/L	22
016	07303 MW-23	Aqueous	Ethylbenzene	8260B	11		ug/L	22
016	07303 MW-23	Aqueous	Methyl tertiary butyl ether	8260B	73		ug/L	22
016	07303 MW-23	Aqueous	Naphthalene	8260B	4.4		ug/L	22
016	07303 MW-23	Aqueous	tert-butyl alcohol (TBA)	8260B	330		ug/L	22
016	07303 MW-23	Aqueous	Toluene	8260B	4.8		ug/L	22
016	07303 MW-23	Aqueous	Xylenes (total)	8260B	2.1		ug/L	22
017	07303 MW-24	Aqueous	tert-Amyl alcohol (TAA)	8260B	1100		ug/L	23
017	07303 MW-24	Aqueous	Benzene	8260B	25	J	ug/L	23
017	07303 MW-24	Aqueous	Ethylbenzene	8260B	1900		ug/L	23
017	07303 MW-24	Aqueous	Naphthalene	8260B	580		ug/L	23
017	07303 MW-24	Aqueous	Toluene	8260B	2500		ug/L	23
017	07303 MW-24	Aqueous	Xylenes (total)	8260B	11000		ug/L	23
018	07303 MW-25	Aqueous	tert-Amyl alcohol (TAA)	8260B	66		ug/L	24
018	07303 MW-25	Aqueous	tert-Amyl methyl ether	8260B	4.0	J	ug/L	24
018	07303 MW-25	Aqueous	Benzene	8260B	47		ug/L	24
018	07303 MW-25	Aqueous	Diisopropyl ether (IPE)	8260B	2.8		ug/L	24
018	07303 MW-25	Aqueous	Ethylbenzene	8260B	170		ug/L	24
018	07303 MW-25	Aqueous	Methyl tertiary butyl ether	8260B	13		ug/L	24
018	07303 MW-25	Aqueous	Naphthalene	8260B	51		ug/L	24
018	07303 MW-25	Aqueous	tert-butyl alcohol (TBA)	8260B	35		ug/L	24
018	07303 MW-25	Aqueous	Toluene	8260B	12		ug/L	24
018	07303 MW-25	Aqueous	Xylenes (total)	8260B	240		ug/L	24
019	07303 MW-26	Aqueous	tert-Amyl alcohol (TAA)	8260B	1200		ug/L	25
019	07303 MW-26	Aqueous	tert-Amyl methyl ether	8260B	78	J	ug/L	25
019	07303 MW-26	Aqueous	Benzene	8260B	1100		ug/L	25
019	07303 MW-26	Aqueous	Diisopropyl ether (IPE)	8260B	69		ug/L	25
019	07303 MW-26	Aqueous	Ethylbenzene	8260B	2000		ug/L	25
019	07303 MW-26	Aqueous	Methyl tertiary butyl ether	8260B	180		ug/L	25
019	07303 MW-26	Aqueous	Naphthalene	8260B	550		ug/L	25
019	07303 MW-26	Aqueous	tert-butyl alcohol (TBA)	8260B	430	J	ug/L	25
019	07303 MW-26	Aqueous	Toluene	8260B	120		ug/L	25
019	07303 MW-26	Aqueous	Xylenes (total)	8260B	4500		ug/L	25
020	07303 MW-27	Aqueous	tert-Amyl alcohol (TAA)	8260B	30		ug/L	26
020	07303 MW-27	Aqueous	tert-Amyl methyl ether	8260B	1.3	J	ug/L	26
020	07303 MW-27	Aqueous	Benzene	8260B	27		ug/L	26
020	07303 MW-27	Aqueous	Diisopropyl ether (IPE)	8260B	1.1		ug/L	26
020	07303 MW-27	Aqueous	Ethylbenzene	8260B	85		ug/L	26
020	07303 MW-27	Aqueous	Methyl tertiary butyl ether	8260B	7.1		ug/L	26
020	07303 MW-27	Aqueous	Naphthalene	8260B	30		ug/L	26
020	07303 MW-27	Aqueous	tert-butyl alcohol (TBA)	8260B	38		ug/L	26
020	07303 MW-27	Aqueous	Toluene	8260B	2.8		ug/L	26
020	07303 MW-27	Aqueous	Xylenes (total)	8260B	42		ug/L	26
022	07303 MW-29	Aqueous	tert-Amyl alcohol (TAA)	8260B	58		ug/L	28
022	07303 MW-29	Aqueous	tert-Amyl methyl ether	8260B	0.70	J	ug/L	28
022	07303 MW-29	Aqueous	Benzene	8260B	1.6		ug/L	28
022	07303 MW-29	Aqueous	1,2-Dichloroethane	8260B	1.2		ug/L	28

Executive Summary (Continued)

Lot Number: SB03105

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
022	07303 MW-29	Aqueous	Diisopropyl ether (IPE)	8260B	2.4		ug/L	28
022	07303 MW-29	Aqueous	Ethylbenzene	8260B	1.3		ug/L	28
022	07303 MW-29	Aqueous	Methyl tertiary butyl ether	8260B	9.5		ug/L	28
022	07303 MW-29	Aqueous	Naphthalene	8260B	1.3		ug/L	28
022	07303 MW-29	Aqueous	tert-butyl alcohol (TBA)	8260B	29		ug/L	28
022	07303 MW-29	Aqueous	Toluene	8260B	0.95	J	ug/L	28
022	07303 MW-29	Aqueous	Xylenes (total)	8260B	0.99	J	ug/L	28
023	07303 MW-30	Aqueous	Benzene	8260B	0.60	J	ug/L	29
023	07303 MW-30	Aqueous	Methyl tertiary butyl ether	8260B	1.5		ug/L	29

(102 detections)

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-001**

Description: **07303 MW-3** Matrix: **Aqueous**

Date Sampled: **02/02/2017 1718**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 1452	JM1		33794

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-002**

Description: **07303 MW-5R** Matrix: **Aqueous**

Date Sampled: **02/02/2017 1649**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 1517	JM1		33794

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		89	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-003**

Description: **07303 MW-9** Matrix: **Aqueous**

Date Sampled: **02/03/2017 1129**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 1542	JM1		33794

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	**71-43-2**	**8260B**	**10**		**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**33**		**1.0**	**0.40**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**7.0**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**9.7**		**1.0**	**0.40**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	**108-88-3**	**8260B**	**2.8**		**1.0**	**0.40**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**40**		**1.0**	**0.40**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **SB03105-004**
Description: **07303 MW-11**
Matrix: **Aqueous**
Date Sampled: **02/02/2017 1730**
Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 1607	JM1		33794

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**0.95**	**J**	**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-005**

Description: **07303 MW-12** Matrix: **Aqueous**

Date Sampled: **02/03/2017 0845**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 1632	JM1		33794

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**2.8**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		89	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-006**

Description: **07303 MW-13** Matrix: **Aqueous**

Date Sampled: **02/03/2017 0905**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 1657	JM1		33794

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-007**

Description: **07303 MW-14** Matrix: **Aqueous**

Date Sampled: **02/02/2017 1450**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 1722	JM1		33794

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**1.3**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-008**

Description: **07303 MW-15** Matrix: **Aqueous**

Date Sampled: **02/02/2017 1435**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	10	02/08/2017 1657	JM1		33950

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**480**		**200**	**80**	**ug/L**	**2**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**22**	**J**	**100**	**4.0**	**ug/L**	**2**
Benzene	**71-43-2**	**8260B**	**190**		**10**	**4.0**	**ug/L**	**2**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		50	20	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	ND		10	4.0	ug/L	2
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	4.0	ug/L	2
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		200	80	ug/L	2
Ethanol	64-17-5	8260B	ND		1000	400	ug/L	2
Ethylbenzene	**100-41-4**	**8260B**	**320**		**10**	**4.0**	**ug/L**	**2**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		10	4.0	ug/L	2
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**150**		**10**	**4.0**	**ug/L**	**2**
Naphthalene	**91-20-3**	**8260B**	**170**		**10**	**4.0**	**ug/L**	**2**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**970**		**200**	**80**	**ug/L**	**2**
Toluene	**108-88-3**	**8260B**	**160**		**10**	**4.0**	**ug/L**	**2**
Xylenes (total)	**1330-20-7**	**8260B**	**1200**		**10**	**4.0**	**ug/L**	**2**

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	70-130
Bromofluorobenzene		115	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-009**

Description: **07303 MW-16** Matrix: **Aqueous**

Date Sampled: **02/02/2017 1615**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 1746	JM1		33794

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**15**	**J**	**20**	**8.0**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**1.5**	**J**	**10**	**0.40**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**7.2**		**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**2.4**		**1.0**	**0.40**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**0.60**	**J**	**1.0**	**0.40**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**26**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**34**		**20**	**8.0**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		89	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-010**

Description: **07303 MW-17** Matrix: **Aqueous**

Date Sampled: **02/02/2017 1703**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 1811	JM1		33794

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-011**

Description: **07303 MW-18** Matrix: **Aqueous**

Date Sampled: **02/03/2017 1105**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 1836	JM1		33794

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **SB03105-012**
Description: **07303 MW-19**
Matrix: **Aqueous**
Date Sampled: **02/03/2017 1245**
Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	200	02/07/2017 1542	JM1		33796

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**3300**	**J**	**4000**	**1600**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**310**	**J**	**2000**	**80**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**1500**		**200**	**80**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		1000	400	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		200	80	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		200	80	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		4000	1600	ug/L	1
Ethanol	64-17-5	8260B	ND		20000	8000	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**2100**		**200**	**80**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		200	80	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**2200**		**200**	**80**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**1200**		**200**	**80**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**6700**		**4000**	**1600**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**18000**		**200**	**80**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**16000**		**200**	**80**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		111	70-130
Bromofluorobenzene		117	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-013**

Description: **07303 MW-20** Matrix: **Aqueous**

Date Sampled: **02/03/2017 1145**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	02/07/2017 1604	JM1		33796

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**1700**		**1000**	**400**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		500	20	ug/L	1
Benzene	**71-43-2**	**8260B**	**370**		**50**	**20**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		250	100	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		50	20	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		50	20	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		1000	400	ug/L	1
Ethanol	64-17-5	8260B	ND		5000	2000	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**2100**		**50**	**20**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		50	20	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**250**		**50**	**20**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**710**		**50**	**20**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**4600**		**1000**	**400**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**4600**		**50**	**20**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**13000**		**50**	**20**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	70-130
Bromofluorobenzene		114	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-014**

Description: **07303 MW-21** Matrix: **Aqueous**

Date Sampled: **02/02/2017 1505**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 1115	JM1		33796

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-015**

Description: **07303 MW-22** Matrix: **Aqueous**

Date Sampled: **02/02/2017 1155**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 1138	JM1		33796

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**0.64**	**J**	**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		111	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-016**

Description: **07303 MW-23** Matrix: **Aqueous**

Date Sampled: **02/02/2017 1140**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	1	02/09/2017 1143	JM1		34077

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**190**		**20**	**8.0**	**ug/L**	**2**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**6.3**	**J**	**10**	**0.40**	**ug/L**	**2**
Benzene	**71-43-2**	**8260B**	**140**		**1.0**	**0.40**	**ug/L**	**2**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	2
1,2-Dichloroethane	**107-06-2**	**8260B**	**3.7**		**1.0**	**0.40**	**ug/L**	**2**
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	2
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	2
Ethanol	64-17-5	8260B	ND		100	40	ug/L	2
Ethylbenzene	**100-41-4**	**8260B**	**11**		**1.0**	**0.40**	**ug/L**	**2**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	2
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**73**		**1.0**	**0.40**	**ug/L**	**2**
Naphthalene	**91-20-3**	**8260B**	**4.4**		**1.0**	**0.40**	**ug/L**	**2**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**330**		**20**	**8.0**	**ug/L**	**2**
Toluene	**108-88-3**	**8260B**	**4.8**		**1.0**	**0.40**	**ug/L**	**2**
Xylenes (total)	**1330-20-7**	**8260B**	**2.1**		**1.0**	**0.40**	**ug/L**	**2**

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		115	70-130
Toluene-d8		108	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-017**

Description: **07303 MW-24** Matrix: **Aqueous**

Date Sampled: **02/02/2017 1125**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	02/07/2017 1648	JM1		33796

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**1100**		**1000**	**400**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		500	20	ug/L	1
Benzene	**71-43-2**	**8260B**	**25**	**J**	**50**	**20**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		250	100	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		50	20	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		50	20	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		1000	400	ug/L	1
Ethanol	64-17-5	8260B	ND		5000	2000	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**1900**		**50**	**20**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		50	20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		50	20	ug/L	1
Naphthalene	**91-20-3**	**8260B**	**580**		**50**	**20**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		1000	400	ug/L	1
Toluene	**108-88-3**	**8260B**	**2500**		**50**	**20**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**11000**		**50**	**20**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	70-130
Bromofluorobenzene		119	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **SB03105-018**
Description: **07303 MW-25**
Matrix: **Aqueous**
Date Sampled: **02/02/2017 1110**
Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	02/07/2017 1710	JM1		33796
2	5030B	8260B	1	02/09/2017 1205	JM1		34077

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**66**		**20**	**8.0**	**ug/L**	**2**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**4.0**	**J**	**10**	**0.40**	**ug/L**	**2**
Benzene	**71-43-2**	**8260B**	**47**		**1.0**	**0.40**	**ug/L**	**2**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	2
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**2.8**		**1.0**	**0.40**	**ug/L**	**2**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	2
Ethanol	64-17-5	8260B	ND		100	40	ug/L	2
Ethylbenzene	**100-41-4**	**8260B**	**170**		**1.0**	**0.40**	**ug/L**	**2**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	2
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**13**		**1.0**	**0.40**	**ug/L**	**2**
Naphthalene	**91-20-3**	**8260B**	**51**		**1.0**	**0.40**	**ug/L**	**2**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**35**		**20**	**8.0**	**ug/L**	**2**
Toluene	**108-88-3**	**8260B**	**12**		**1.0**	**0.40**	**ug/L**	**2**
Xylenes (total)	**1330-20-7**	**8260B**	**240**		**5.0**	**2.0**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	70-130		97	70-130
Bromofluorobenzene		119	70-130		113	70-130
Toluene-d8		106	70-130		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **SB03105-019**
Description: **07303 MW-26**
Matrix: **Aqueous**
Date Sampled: **02/02/2017 1255**
Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	02/07/2017 1732	JM1		33796

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**1200**		**1000**	**400**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**78**	**J**	**500**	**20**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**1100**		**50**	**20**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		250	100	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		50	20	ug/L	1
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**69**		**50**	**20**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		1000	400	ug/L	1
Ethanol	64-17-5	8260B	ND		5000	2000	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**2000**		**50**	**20**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		50	20	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**180**		**50**	**20**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**550**		**50**	**20**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**430**	**J**	**1000**	**400**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**120**		**50**	**20**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**4500**		**50**	**20**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	70-130
Bromofluorobenzene		120	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-020**

Description: **07303 MW-27** Matrix: **Aqueous**

Date Sampled: **02/02/2017 1310**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	1	02/09/2017 1227	JM1		34077

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**30**		**20**	**8.0**	**ug/L**	**2**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**1.3**	**J**	**10**	**0.40**	**ug/L**	**2**
Benzene	**71-43-2**	**8260B**	**27**		**1.0**	**0.40**	**ug/L**	**2**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	2
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**1.1**		**1.0**	**0.40**	**ug/L**	**2**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	2
Ethanol	64-17-5	8260B	ND		100	40	ug/L	2
Ethylbenzene	**100-41-4**	**8260B**	**85**		**1.0**	**0.40**	**ug/L**	**2**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	2
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**7.1**		**1.0**	**0.40**	**ug/L**	**2**
Naphthalene	**91-20-3**	**8260B**	**30**		**1.0**	**0.40**	**ug/L**	**2**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**38**		**20**	**8.0**	**ug/L**	**2**
Toluene	**108-88-3**	**8260B**	**2.8**		**1.0**	**0.40**	**ug/L**	**2**
Xylenes (total)	**1330-20-7**	**8260B**	**42**		**1.0**	**0.40**	**ug/L**	**2**

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		117	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-021**

Description: **07303 MW-28** Matrix: **Aqueous**

Date Sampled: **02/02/2017 1240**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 1200	JM1		33796

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-022**

Description: **07303 MW-29** Matrix: **Aqueous**

Date Sampled: **02/02/2017 1520**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 1222	JM1		33796

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**58**		**20**	**8.0**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**0.70**	**J**	**10**	**0.40**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**1.6**		**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	**107-06-2**	**8260B**	**1.2**		**1.0**	**0.40**	**ug/L**	**1**
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**2.4**		**1.0**	**0.40**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**1.3**		**1.0**	**0.40**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**9.5**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**1.3**		**1.0**	**0.40**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**29**		**20**	**8.0**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**0.95**	**J**	**1.0**	**0.40**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**0.99**	**J**	**1.0**	**0.40**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-023**

Description: **07303 MW-30** Matrix: **Aqueous**

Date Sampled: **02/02/2017 1559**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 1244	JM1		33796

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.60**	**J**	**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**1.5**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-024**

Description: **07303 MW-31** Matrix: **Aqueous**

Date Sampled: **02/01/2017 1440**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 1306	JM1		33796

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		112	70-130
Bromofluorobenzene		111	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-025**

Description: **07303 MW-32** Matrix: **Aqueous**

Date Sampled: **02/01/2017 1500**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 1328	JM1		33796

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		111	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-026**

Description: **07303 MW-33** Matrix: **Aqueous**

Date Sampled: **02/01/2017 1515**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 1351	JM1		33796

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		111	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-027**

Description: **07303 MW-34** Matrix: **Aqueous**

Date Sampled: **02/01/2017 1525**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 1413	JM1		33796

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		111	70-130
Bromofluorobenzene		110	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **SB03105-028**
Description: **07303 MW-35**
Matrix: **Aqueous**
Date Sampled: **02/01/2017 1535**
Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 1436	JM1		33796

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-029**

Description: **07303 MW-36** Matrix: **Aqueous**

Date Sampled: **02/01/2017 1425**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 1458	JM1		33796

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		110	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terry Environmental Services, Inc.** Laboratory ID: **SB03105-030**

Description: **07303 MW-37** Matrix: **Aqueous**

Date Sampled: **02/01/2017 1310**

Date Received: **02/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 1520	JM1		33796

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		112	70-130
Bromofluorobenzene		112	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: SQ33794-001
Batch: 33794
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	02/07/2017 1031
tert-Amyl methyl ether (TAME)	ND		1	10	0.40	ug/L	02/07/2017 1031
Benzene	ND		1	1.0	0.40	ug/L	02/07/2017 1031
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	02/07/2017 1031
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	02/07/2017 1031
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	02/07/2017 1031
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	02/07/2017 1031
Ethanol	ND		1	100	40	ug/L	02/07/2017 1031
Ethylbenzene	ND		1	1.0	0.40	ug/L	02/07/2017 1031
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	02/07/2017 1031
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	02/07/2017 1031
Naphthalene	ND		1	1.0	0.40	ug/L	02/07/2017 1031
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	02/07/2017 1031
Toluene	ND		1	1.0	0.40	ug/L	02/07/2017 1031
Xylenes (total)	ND		1	1.0	0.40	ug/L	02/07/2017 1031

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		91	70-130
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		95	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: SQ33794-002
Batch: 33794
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	790		1	79	70-130	02/07/2017 0930
tert-Amyl methyl ether (TAME)	50	50		1	100	70-130	02/07/2017 0930
Benzene	50	55		1	110	70-130	02/07/2017 0930
tert-Butyl formate (TBF)	250	220		1	87	70-130	02/07/2017 0930
1,2-Dichloroethane	50	54		1	108	70-130	02/07/2017 0930
Diisopropyl ether (IPE)	50	40		1	80	70-130	02/07/2017 0930
3,3-Dimethyl-1-butanol	1000	950		1	95	70-130	02/07/2017 0930
Ethanol	5000	4300		1	85	60-140	02/07/2017 0930
Ethylbenzene	50	48		1	96	70-130	02/07/2017 0930
Ethyl-tert-butyl ether (ETBE)	50	40		1	80	70-130	02/07/2017 0930
Methyl tertiary butyl ether (MTBE)	50	41		1	81	70-130	02/07/2017 0930

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: SQ33794-002
Batch: 33794
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Naphthalene	50	42		1	84	70-130	02/07/2017 0930
tert-butyl alcohol (TBA)	1000	780		1	78	70-130	02/07/2017 0930
Toluene	50	48		1	96	70-130	02/07/2017 0930
Xylenes (total)	100	97		1	97	70-130	02/07/2017 0930

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		88	70-130
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		88	70-130

Volatile Organic Compounds by GC/MS - MS

Sample ID: SB03105-008MS
Batch: 33794
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	480	20000	17000		20	81	70-130	02/07/2017 1925
tert-Amyl methyl ether (TAME)	22	1000	1100		20	109	70-130	02/07/2017 1925
Benzene	190	1000	1500		20	126	72-127	02/07/2017 1925
tert-Butyl formate (TBF)	ND	5000	2500	N	20	50	70-130	02/07/2017 1925
1,2-Dichloroethane	ND	1000	1200		20	117	59-143	02/07/2017 1925
Diisopropyl ether (IPE)	ND	1000	890		20	89	70-130	02/07/2017 1925
3,3-Dimethyl-1-butanol	ND	20000	20000		20	98	70-130	02/07/2017 1925
Ethanol	ND	100000	79000		20	79	70-130	02/07/2017 1925
Ethylbenzene	320	1000	1500		20	115	79-132	02/07/2017 1925
Ethyl-tert-butyl ether (ETBE)	ND	1000	870		20	87	70-130	02/07/2017 1925
Methyl tertiary butyl ether (MTBE)	150	1000	1000		20	89	60-140	02/07/2017 1925
Naphthalene	170	1000	1100		20	92	62-136	02/07/2017 1925
tert-butyl alcohol (TBA)	970	20000	18000		20	87	70-130	02/07/2017 1925
Toluene	160	1000	1200		20	108	75-125	02/07/2017 1925
Xylenes (total)	1200	2000	3500		20	119	70-130	02/07/2017 1925

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		90	70-130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: SB03105-008MD
Batch: 33794
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	480	20000	19000		20	93	13	70-130	20	02/07/2017 1951
tert-Amyl methyl ether (TAME)	22	1000	1200		20	120	9.4	70-130	20	02/07/2017 1951
Benzene	190	1000	1600	N	20	135	6.2	72-127	20	02/07/2017 1951
tert-Butyl formate (TBF)	ND	5000	2700	N	20	54	7.6	70-130	20	02/07/2017 1951
1,2-Dichloroethane	ND	1000	1300		20	126	7.9	59-143	20	02/07/2017 1951
Diisopropyl ether (IPE)	ND	1000	960		20	96	7.0	70-130	20	02/07/2017 1951
3,3-Dimethyl-1-butanol	ND	20000	22000		20	110	11	70-130	20	02/07/2017 1951
Ethanol	ND	100000	91000		20	91	14	70-130	20	02/07/2017 1951
Ethylbenzene	320	1000	1500		20	119	2.2	79-132	20	02/07/2017 1951
Ethyl-tert-butyl ether (ETBE)	ND	1000	970		20	97	10	70-130	20	02/07/2017 1951
Methyl tertiary butyl ether (MTBE)	150	1000	1100		20	98	8.1	60-140	20	02/07/2017 1951
Naphthalene	170	1000	1100		20	102	8.7	62-136	20	02/07/2017 1951
tert-butyl alcohol (TBA)	970	20000	21000		20	100	13	70-130	20	02/07/2017 1951
Toluene	160	1000	1300		20	113	3.4	75-125	20	02/07/2017 1951
Xylenes (total)	1200	2000	3600		20	126	3.4	70-130	20	02/07/2017 1951

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		94	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		88	70-130

Volatile Organic Compounds by GC/MS - MB

Sample ID: SQ33796-001
Batch: 33796
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	02/07/2017 1018
tert-Amyl methyl ether (TAME)	ND		1	10	0.40	ug/L	02/07/2017 1018
Benzene	ND		1	1.0	0.40	ug/L	02/07/2017 1018
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	02/07/2017 1018
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	02/07/2017 1018
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	02/07/2017 1018
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	02/07/2017 1018
Ethanol	ND		1	100	40	ug/L	02/07/2017 1018
Ethylbenzene	ND		1	1.0	0.40	ug/L	02/07/2017 1018
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	02/07/2017 1018
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	02/07/2017 1018

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: SQ33796-001
Batch: 33796
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Naphthalene	ND		1	1.0	0.40	ug/L	02/07/2017 1018
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	02/07/2017 1018
Toluene	ND		1	1.0	0.40	ug/L	02/07/2017 1018
Xylenes (total)	ND		1	1.0	0.40	ug/L	02/07/2017 1018

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		106	70-130
1,2-Dichloroethane-d4		105	70-130
Toluene-d8		105	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: SQ33796-002
Batch: 33796
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1000		1	104	70-130	02/07/2017 0916
tert-Amyl methyl ether (TAME)	50	51		1	102	70-130	02/07/2017 0916
Benzene	50	56		1	112	70-130	02/07/2017 0916
tert-Butyl formate (TBF)	250	270		1	108	70-130	02/07/2017 0916
1,2-Dichloroethane	50	54		1	107	70-130	02/07/2017 0916
Diisopropyl ether (IPE)	50	47		1	94	70-130	02/07/2017 0916
3,3-Dimethyl-1-butanol	1000	1000		1	102	70-130	02/07/2017 0916
Ethanol	5000	5800		1	115	60-140	02/07/2017 0916
Ethylbenzene	50	51		1	102	70-130	02/07/2017 0916
Ethyl-tert-butyl ether (ETBE)	50	49		1	99	70-130	02/07/2017 0916
Methyl tertiary butyl ether (MTBE)	50	53		1	105	70-130	02/07/2017 0916
Naphthalene	50	53		1	107	70-130	02/07/2017 0916
tert-butyl alcohol (TBA)	1000	1100		1	110	70-130	02/07/2017 0916
Toluene	50	52		1	105	70-130	02/07/2017 0916
Xylenes (total)	100	100		1	103	70-130	02/07/2017 0916

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		111	70-130
1,2-Dichloroethane-d4		105	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: SB03105-020MS
Batch: 33796
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	30	5000	5400		5	106	70-130	02/07/2017 1817
tert-Amyl methyl ether (TAME)	1.3	250	260		5	102	70-130	02/07/2017 1817
Benzene	27	250	320		5	118	72-127	02/07/2017 1817
tert-Butyl formate (TBF)	ND	1300	270	N	5	22	70-130	02/07/2017 1817
1,2-Dichloroethane	ND	250	280		5	112	59-143	02/07/2017 1817
Diisopropyl ether (IPE)	1.1	250	250		5	100	70-130	02/07/2017 1817
3,3-Dimethyl-1-butanol	ND	5000	5300		5	106	70-130	02/07/2017 1817
Ethanol	ND	25000	30000		5	121	70-130	02/07/2017 1817
Ethylbenzene	85	250	350		5	113	79-132	02/07/2017 1817
Ethyl-tert-butyl ether (ETBE)	ND	250	260		5	105	70-130	02/07/2017 1817
Methyl tertiary butyl ether (MTBE)	7.1	250	290		5	112	60-140	02/07/2017 1817
Naphthalene	30	250	320		5	118	62-136	02/07/2017 1817
tert-butyl alcohol (TBA)	38	5000	6800	N	5	136	70-130	02/07/2017 1817
Toluene	2.8	250	280		5	111	75-125	02/07/2017 1817
Xylenes (total)	42	500	580		5	110	70-130	02/07/2017 1817

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		113	70-130
Toluene-d8		104	70-130

Volatile Organic Compounds by GC/MS - MSD

Sample ID: SB03105-020MD
Batch: 33796
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	30	5000	5500		5	108	2.6	70-130	20	02/07/2017 1839
tert-Amyl methyl ether (TAME)	1.3	250	270		5	108	5.0	70-130	20	02/07/2017 1839
Benzene	27	250	320		5	120	1.4	72-127	20	02/07/2017 1839
tert-Butyl formate (TBF)	ND	1300	250	N	5	20	9.3	70-130	20	02/07/2017 1839
1,2-Dichloroethane	ND	250	280		5	112	0.41	59-143	20	02/07/2017 1839
Diisopropyl ether (IPE)	1.1	250	260		5	102	1.9	70-130	20	02/07/2017 1839
3,3-Dimethyl-1-butanol	ND	5000	5400		5	108	1.7	70-130	20	02/07/2017 1839
Ethanol	ND	25000	30000		5	121	0.51	70-130	20	02/07/2017 1839
Ethylbenzene	85	250	350		5	113	0.23	79-132	20	02/07/2017 1839
Ethyl-tert-butyl ether (ETBE)	ND	250	270		5	108	2.5	70-130	20	02/07/2017 1839
Methyl tertiary butyl ether (MTBE)	7.1	250	290		5	115	2.6	60-140	20	02/07/2017 1839

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: SB03105-020MD
Batch: 33796
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Naphthalene	30	250	310		5	115	2.0	62-136	20	02/07/2017 1839
tert-butyl alcohol (TBA)	38	5000	6900	N	5	138	1.3	70-130	20	02/07/2017 1839
Toluene	2.8	250	290		5	112	1.0	75-125	20	02/07/2017 1839
Xylenes (total)	42	500	590		5	112	1.3	70-130	20	02/07/2017 1839

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		112	70-130
Toluene-d8		103	70-130

Volatile Organic Compounds by GC/MS - MB

Sample ID: SQ33950-001
Batch: 33950
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	02/08/2017 1020
tert-Amyl methyl ether (TAME)	ND		1	10	0.40	ug/L	02/08/2017 1020
Benzene	ND		1	1.0	0.40	ug/L	02/08/2017 1020
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	02/08/2017 1020
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	02/08/2017 1020
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	02/08/2017 1020
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	02/08/2017 1020
Ethanol	ND		1	100	40	ug/L	02/08/2017 1020
Ethylbenzene	ND		1	1.0	0.40	ug/L	02/08/2017 1020
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	02/08/2017 1020
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	02/08/2017 1020
Naphthalene	ND		1	1.0	0.40	ug/L	02/08/2017 1020
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	02/08/2017 1020
Toluene	ND		1	1.0	0.40	ug/L	02/08/2017 1020
Xylenes (total)	ND		1	1.0	0.40	ug/L	02/08/2017 1020

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		107	70-130
1,2-Dichloroethane-d4		107	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: SQ33950-002
Batch: 33950
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	990		1	99	70-130	02/08/2017 0920
tert-Amyl methyl ether (TAME)	50	49		1	99	70-130	02/08/2017 0920
Benzene	50	53		1	107	70-130	02/08/2017 0920
tert-Butyl formate (TBF)	250	260		1	102	70-130	02/08/2017 0920
1,2-Dichloroethane	50	51		1	103	70-130	02/08/2017 0920
Diisopropyl ether (IPE)	50	44		1	88	70-130	02/08/2017 0920
3,3-Dimethyl-1-butanol	1000	1000		1	100	70-130	02/08/2017 0920
Ethanol	5000	5200		1	103	60-140	02/08/2017 0920
Ethylbenzene	50	49		1	97	70-130	02/08/2017 0920
Ethyl-tert-butyl ether (ETBE)	50	48		1	95	70-130	02/08/2017 0920
Methyl tertiary butyl ether (MTBE)	50	49		1	98	70-130	02/08/2017 0920
Naphthalene	50	51		1	103	70-130	02/08/2017 0920
tert-butyl alcohol (TBA)	1000	1100		1	105	70-130	02/08/2017 0920
Toluene	50	50		1	101	70-130	02/08/2017 0920
Xylenes (total)	100	99		1	99	70-130	02/08/2017 0920

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		110	70-130
1,2-Dichloroethane-d4		102	70-130
Toluene-d8		99	70-130

Volatile Organic Compounds by GC/MS - MB

Sample ID: SQ34077-001
Batch: 34077
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	02/09/2017 0959
tert-Amyl methyl ether (TAME)	ND		1	10	0.40	ug/L	02/09/2017 0959
Benzene	ND		1	1.0	0.40	ug/L	02/09/2017 0959
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	02/09/2017 0959
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	02/09/2017 0959
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	02/09/2017 0959
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	02/09/2017 0959
Ethanol	ND		1	100	40	ug/L	02/09/2017 0959
Ethylbenzene	ND		1	1.0	0.40	ug/L	02/09/2017 0959
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	02/09/2017 0959
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	02/09/2017 0959

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: SQ34077-001
Batch: 34077
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Naphthalene	ND		1	1.0	0.40	ug/L	02/09/2017 0959
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	02/09/2017 0959
Toluene	ND		1	1.0	0.40	ug/L	02/09/2017 0959
Xylenes (total)	ND		1	1.0	0.40	ug/L	02/09/2017 0959

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		110	70-130
1,2-Dichloroethane-d4		105	70-130
Toluene-d8		107	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: SQ34077-002
Batch: 34077
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	900		1	90	70-130	02/09/2017 0901
tert-Amyl methyl ether (TAME)	50	48		1	96	70-130	02/09/2017 0901
Benzene	50	55		1	110	70-130	02/09/2017 0901
tert-Butyl formate (TBF)	250	240		1	97	70-130	02/09/2017 0901
1,2-Dichloroethane	50	51		1	102	70-130	02/09/2017 0901
Diisopropyl ether (IPE)	50	43		1	86	70-130	02/09/2017 0901
3,3-Dimethyl-1-butanol	1000	940		1	94	70-130	02/09/2017 0901
Ethanol	5000	5100		1	102	60-140	02/09/2017 0901
Ethylbenzene	50	50		1	101	70-130	02/09/2017 0901
Ethyl-tert-butyl ether (ETBE)	50	45		1	90	70-130	02/09/2017 0901
Methyl tertiary butyl ether (MTBE)	50	48		1	95	70-130	02/09/2017 0901
Naphthalene	50	51		1	101	70-130	02/09/2017 0901
tert-butyl alcohol (TBA)	1000	1000		1	100	70-130	02/09/2017 0901
Toluene	50	52		1	103	70-130	02/09/2017 0901
Xylenes (total)	100	100		1	102	70-130	02/09/2017 0901

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		110	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Chain of Custody
and
Miscellaneous Documents

SHEALY

Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 68786

Client: Terry Env.	Report to Contact: Kelly Cone	Telephone No. / E-mail: 843-873-8200	Quote No.
Address: P.O. Box 25	Sampler's Signature: x [signature]	Analysis (Attach list if more space is needed)	Page 1 of 6
City: Summerville; State: SC; Zip Code: 29484	Printed Name: M. Montgomery Taylor		
Project Name: F. Lit Cricket			SB03105
Project No.: 2170P	P.O. No.		

Sample ID / Description (Containers for each sample may be combined on one line.)		Date	Time	Grab/Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-aqueous	No of Containers by Preservative Type: Unpres.	HNO3	HNO3	HCl	NaOH	NaOH	ETEXNM + 1,2DCA + Oxy + etc.
0F803	MW-3	2/2/17	1718	G	X						3			3
	MW-5R	2/2/17	1649											
	MW-9	2/3/17	1129											
	MW-11	2/2/17	1730											
	MW-12	2/3/17	0845											
	MW-13	2/3/17	0905											
	MW-14	2/2/17	1450											
	MW-15	2/2/17	1435											
	MW-16	2/2/17	1615											
	MW-17	2/2/17	1703											

Turn Around Time Required (Prior lab approval required for expedited TAT.)	Sample Disposal	Possible Hazard Identification	QC Requirements (Specify)
☒ Standard ☐ Rush (Specify)	☐ Return to Client ☒ Disposal by Lab	☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown	

	Date	Time		Date	Time
1. Relinquished by: [signature]	2/3/17	1430	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: [signature]	2/3/17	1430

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack Receipt Temp 2.6 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

SHEALY **Chain of Custody Record**

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 68785

Client: Terry Env	Report to Contact: Kelly Cone	Telephone No. / E-mail: 843-873-8200	Quote No.
Address: P.O. Box 25	Sampler's Signature: X [signature]	Analysis (Attach list if more space is needed)	Page 2 of 6
City: Summerville; State: SC; Zip Code: 29484	Printed Name: M. Montgomery Taylor		
Project Name: E. Lil Cricket #339			SB03105
Project No.: 2A0P; P.O. No.:			

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Grab/Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No of Containers by Preservative Type: Liquid	HCl	HNO3	H2O	NaOH	NaOH/ZnOH	BTEX NM+1,2DCA-10xy-TEH	Cooler I.D.
07303 MW-18	2/3/17	1105	6	X						3			3	
MW-19	2/3/17	1245												
MW-20	2/3/17	1145												
MW-21	2/2/17	1505												
MW-22	2/2/17	1155												
MW-23	2/2/17	1140												
MW-24	2/2/17	1125												
MW-25	2/2/17	1110												
MW-26	2/2/17	1255												
MW-27	2/2/17	1310												

Turn Around Time Required (Prior lab approval required for expedited TAT.)	Sample Disposal	Possible Hazard Identification	QC Requirements (Specify)
☒ Standard ☐ Rush (Specify)	☐ Return to Client ☒ Disposal by Lab	☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown	

	Date	Time		Date	Time
1. Relinquished by [signature]	2/3/17	1430	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by [signature]	2/3/17	1430

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack Receipt Temp 2.6 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

SHEALY

Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 68784

Client: TERRY Environmental	Report to Contact: Kelly Conte	Telephone No. / E-mail: 843-873-3200	Quote No.
Address: P.O. Box 25	Sampler's Signature: X M. Montgomery Taylor	Analysis (Attach list if more space is needed)	Page 3 of 10
City: Summerville	State: SC	Zip Code: 29484	Printed Name: M. Montgomery Taylor
Project Name: F. 47 Cricket #339			SB03105
Project No.: 2-FDP	P.O. No.		Remarks / Codes I.D.

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Composite	Grab	Matrix: Aqueous	Soil	Sludge	Solid	No of Containers by Preservative Type: SAMS	HCl	HNO3	H2SO4	NaOH	Other	BTEX/MTBE/NAPH (EPA 8021B)
07303 MW-26	2/2/17	1240	G		X							3			3
MW-29	2/2/17	1520													
MW-30	2/2/17	1559													
MW-31	2/1/17	1440													
MW-32	2/1/17	1500													
MW-33	2/1/17	1515													
MW-34	2/1/17	1525													
MW-35	2/1/17	1535													
MW-36	2/1/17	1425													
MW-37	2/1/17	1310													

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☐ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by:	2/3/17	1430	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by:	2/3/17	1430

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Circle): (Yes) No Ice Pack
Receipt Temp: 2.6 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 06-01-2014

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: ME0018C-07

Page 1 of 1
Effective Date: 11/29/2016
Expiry Date: 11/29/2021

Sample Receipt Checklist (SRC)

Client: Terry Cooler Inspected by/date: SBE 12-3-17 Lot #: 580305

Means of receipt: ☐ SESI ☑ Client ☐ UPS ☐ FedEx ☐ Other_____			
Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?
pH strip ID:_____ Cl strip ID:_____ Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt: 12.6/2.0°C / / °C / / °C / / °C Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: 6 IR Gun Correction Factor: 0 °C Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one).
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)? _____
Yes ☑	No ☐		13. Was adequate sample volume available?
Yes ☑	No ☑	SBE 12-3-17	14. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		15. Were any samples containers missing/excess (circle one) samples Not listed on COC?
Yes ☐	No ☑	NA ☐	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	17. Were all DRO/metals/nutrient samples received at a pH of < 2?
Yes ☐	No ☐	NA ☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/phenol/BNA (<0.5mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	20. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	21. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		22. Was the quote number used taken from the container label?
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)			
Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4, HNO_3, HCl, NaOH) using SR # _____.			
Sample(s) _____ were received with bubbles >6 mm in diameter.			
Samples(s) _____ were received with TRC >0.5 mg/L (If #21 is No) and were adjusted accordingly in sample receiving with sodium thiosulfate ($Na_2S_2O_3$) with Shealy ID: _____.			
SC Drinking Water Project Sample(s) pH verified to be < 2 by _____ Date: _____ Sample(s) _____ were Not received at a pH of < 2 and were adjusted accordingly using SR#_____			
Sample labels applied by: SBE Verified by: _____ Date: 12-3-17			

Comments: split into 2 lots

Report of Analysis

Terry Environmental Services, Inc.
222 Varnfield Drive
Suite F
Summerville, SC 29483
Attention: Kelly Cone

Project Name: F. Li'l Cricket #339

Project Number: 2170P

Lot Number: SB03106

Date Completed: 02/09/2017

Kelly M. Nance
Project Manager

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The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
Terry Environmental Services, Inc.
Lot Number: SB03106

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

GC/MS Volatiles
The MS/MSD associated with sample -026 had compounds recovered outside of the acceptance limits. The LCS was recovered within the required acceptance limits; therefore, this demonstrates a matrix effect and data quality is not impacted.

Sample Summary
Terry Environmental Services, Inc.
Lot Number: SB03106

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	07303 MW-38	Aqueous	02/01/2017 1320	02/03/2017
002	07303 MW-39	Aqueous	02/02/2017 1045	02/03/2017
003	07303 MW-40	Aqueous	02/01/2017 1550	02/03/2017
004	07303 MW-41	Aqueous	02/02/2017 1005	02/03/2017
005	07303 MW-42	Aqueous	02/01/2017 1615	02/03/2017
006	07303 MW-46	Aqueous	02/02/2017 0945	02/03/2017
007	07303 MW-47	Aqueous	02/02/2017 0915	02/03/2017
008	07303 MW-48	Aqueous	02/02/2017 0900	02/03/2017
009	07303 DW-1	Aqueous	02/02/2017 1420	02/03/2017
010	07303 DW-2	Aqueous	02/03/2017 1016	02/03/2017
011	07303 DW-3	Aqueous	02/03/2017 1053	02/03/2017
012	07303 DW-5	Aqueous	02/02/2017 1226	02/03/2017
013	07303 DW-6	Aqueous	02/02/2017 1349	02/03/2017
014	07303 DW-7	Aqueous	02/03/2017 0944	02/03/2017
015	07303 DW-9	Aqueous	02/01/2017 1418	02/03/2017
016	07303 DW-10	Aqueous	02/01/2017 1354	02/03/2017
017	07303 DW-11	Aqueous	02/02/2017 1028	02/03/2017
018	07303 RW-1	Aqueous	02/03/2017 1200	02/03/2017
019	07303 RW-2	Aqueous	02/03/2017 1233	02/03/2017
020	07303 RW-3	Aqueous	02/03/2017 1215	02/03/2017
021	07303 RW-4	Aqueous	02/03/2017 1025	02/03/2017
022	07303 SW-1	Aqueous	02/01/2017 1630	02/03/2017
023	07303 SW-2	Aqueous	02/01/2017 1645	02/03/2017
024	07303 MW-20-DUP	Aqueous	02/03/2017 1147	02/03/2017
025	07303 MW-29-DUP	Aqueous	02/02/2017 1522	02/03/2017
026	07303 DW-11-DUP	Aqueous	02/02/2017 1030	02/03/2017
027	07303 FB-1	Aqueous	02/01/2017 1245	02/03/2017
028	07303 FB-2	Aqueous	02/02/2017 0850	02/03/2017
029	07303 FB-3	Aqueous	02/03/2017 0835	02/03/2017
030	07303 TB-1	Aqueous	02/01/2017	02/03/2017

(30 samples)

Executive Summary
Terry Environmental Services, Inc.
Lot Number: SB03106

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
008	07303 MW-48	Aqueous	Xylenes (total)	8260B	1.3		ug/L	14
009	07303 DW-1	Aqueous	tert-Amyl alcohol (TAA)	8260B	23		ug/L	15
009	07303 DW-1	Aqueous	tert-Amyl methyl ether	8260B	1.5	J	ug/L	15
009	07303 DW-1	Aqueous	Benzene	8260B	0.81	J	ug/L	15
009	07303 DW-1	Aqueous	Diisopropyl ether (IPE)	8260B	1.6		ug/L	15
009	07303 DW-1	Aqueous	Methyl tertiary butyl ether	8260B	27		ug/L	15
009	07303 DW-1	Aqueous	tert-butyl alcohol (TBA)	8260B	21		ug/L	15
010	07303 DW-2	Aqueous	tert-Amyl alcohol (TAA)	8260B	17	J	ug/L	16
010	07303 DW-2	Aqueous	tert-Amyl methyl ether	8260B	1.1	J	ug/L	16
010	07303 DW-2	Aqueous	Benzene	8260B	2.1		ug/L	16
010	07303 DW-2	Aqueous	Ethylbenzene	8260B	1.9		ug/L	16
010	07303 DW-2	Aqueous	Methyl tertiary butyl ether	8260B	12		ug/L	16
010	07303 DW-2	Aqueous	Naphthalene	8260B	1.1		ug/L	16
010	07303 DW-2	Aqueous	tert-butyl alcohol (TBA)	8260B	11	J	ug/L	16
010	07303 DW-2	Aqueous	Toluene	8260B	1.6		ug/L	16
010	07303 DW-2	Aqueous	Xylenes (total)	8260B	2.8		ug/L	16
011	07303 DW-3	Aqueous	tert-Amyl alcohol (TAA)	8260B	19	J	ug/L	17
011	07303 DW-3	Aqueous	tert-Amyl methyl ether	8260B	1.2	J	ug/L	17
011	07303 DW-3	Aqueous	Benzene	8260B	1.7		ug/L	17
011	07303 DW-3	Aqueous	Methyl tertiary butyl ether	8260B	17		ug/L	17
011	07303 DW-3	Aqueous	tert-butyl alcohol (TBA)	8260B	15	J	ug/L	17
011	07303 DW-3	Aqueous	Toluene	8260B	0.77	J	ug/L	17
012	07303 DW-5	Aqueous	Toluene	8260B	1.3		ug/L	18
012	07303 DW-5	Aqueous	Xylenes (total)	8260B	1.1		ug/L	18
013	07303 DW-6	Aqueous	Toluene	8260B	0.83	J	ug/L	19
014	07303 DW-7	Aqueous	Benzene	8260B	0.66	J	ug/L	20
014	07303 DW-7	Aqueous	Methyl tertiary butyl ether	8260B	2.9		ug/L	20
014	07303 DW-7	Aqueous	Naphthalene	8260B	0.92	J	ug/L	20
014	07303 DW-7	Aqueous	Toluene	8260B	0.87	J	ug/L	20
016	07303 DW-10	Aqueous	Toluene	8260B	0.81	J	ug/L	22
017	07303 DW-11	Aqueous	tert-Amyl alcohol (TAA)	8260B	160		ug/L	23
017	07303 DW-11	Aqueous	tert-Amyl methyl ether	8260B	5.8	J	ug/L	23
017	07303 DW-11	Aqueous	Benzene	8260B	20		ug/L	23
017	07303 DW-11	Aqueous	1,2-Dichloroethane	8260B	1.0		ug/L	23
017	07303 DW-11	Aqueous	Diisopropyl ether (IPE)	8260B	3.9		ug/L	23
017	07303 DW-11	Aqueous	Ethylbenzene	8260B	1.3		ug/L	23
017	07303 DW-11	Aqueous	Methyl tertiary butyl ether	8260B	89		ug/L	23
017	07303 DW-11	Aqueous	Naphthalene	8260B	1.1		ug/L	23
017	07303 DW-11	Aqueous	tert-butyl alcohol (TBA)	8260B	360		ug/L	23
017	07303 DW-11	Aqueous	Toluene	8260B	1.1		ug/L	23
017	07303 DW-11	Aqueous	Xylenes (total)	8260B	0.86	J	ug/L	23
018	07303 RW-1	Aqueous	tert-Amyl alcohol (TAA)	8260B	810	J	ug/L	24
018	07303 RW-1	Aqueous	tert-Amyl methyl ether	8260B	88	J	ug/L	24
018	07303 RW-1	Aqueous	Benzene	8260B	1000		ug/L	24
018	07303 RW-1	Aqueous	Ethylbenzene	8260B	2000		ug/L	24

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
018	07303 RW-1	Aqueous	Methyl tertiary butyl ether	8260B	560		ug/L	24
018	07303 RW-1	Aqueous	Naphthalene	8260B	640		ug/L	24
018	07303 RW-1	Aqueous	tert-butyl alcohol (TBA)	8260B	3000		ug/L	24
018	07303 RW-1	Aqueous	Toluene	8260B	11000		ug/L	24
018	07303 RW-1	Aqueous	Xylenes (total)	8260B	12000		ug/L	24
019	07303 RW-2	Aqueous	tert-Amyl alcohol (TAA)	8260B	710		ug/L	25
019	07303 RW-2	Aqueous	Benzene	8260B	350		ug/L	25
019	07303 RW-2	Aqueous	Ethylbenzene	8260B	1500		ug/L	25
019	07303 RW-2	Aqueous	Methyl tertiary butyl ether	8260B	260		ug/L	25
019	07303 RW-2	Aqueous	Naphthalene	8260B	520		ug/L	25
019	07303 RW-2	Aqueous	tert-butyl alcohol (TBA)	8260B	2800		ug/L	25
019	07303 RW-2	Aqueous	Toluene	8260B	3400		ug/L	25
019	07303 RW-2	Aqueous	Xylenes (total)	8260B	8400		ug/L	25
020	07303 RW-3	Aqueous	tert-Amyl alcohol (TAA)	8260B	340	J	ug/L	26
020	07303 RW-3	Aqueous	Benzene	8260B	99		ug/L	26
020	07303 RW-3	Aqueous	Ethylbenzene	8260B	1400		ug/L	26
020	07303 RW-3	Aqueous	Methyl tertiary butyl ether	8260B	43		ug/L	26
020	07303 RW-3	Aqueous	Naphthalene	8260B	640		ug/L	26
020	07303 RW-3	Aqueous	tert-butyl alcohol (TBA)	8260B	810		ug/L	26
020	07303 RW-3	Aqueous	Toluene	8260B	530		ug/L	26
020	07303 RW-3	Aqueous	Xylenes (total)	8260B	4700		ug/L	26
021	07303 RW-4	Aqueous	tert-Amyl alcohol (TAA)	8260B	14	J	ug/L	27
021	07303 RW-4	Aqueous	tert-Amyl methyl ether	8260B	1.0	J	ug/L	27
021	07303 RW-4	Aqueous	Benzene	8260B	1.4		ug/L	27
021	07303 RW-4	Aqueous	Diisopropyl ether (IPE)	8260B	1.6		ug/L	27
021	07303 RW-4	Aqueous	Methyl tertiary butyl ether	8260B	20		ug/L	27
021	07303 RW-4	Aqueous	tert-butyl alcohol (TBA)	8260B	22		ug/L	27
022	07303 SW-1	Aqueous	Methyl tertiary butyl ether	8260B	6.8		ug/L	28
022	07303 SW-1	Aqueous	tert-butyl alcohol (TBA)	8260B	9.7	J	ug/L	28
023	07303 SW-2	Aqueous	Methyl tertiary butyl ether	8260B	1.9		ug/L	29
024	07303 MW-20-DUP	Aqueous	tert-Amyl alcohol (TAA)	8260B	850	J	ug/L	30
024	07303 MW-20-DUP	Aqueous	Benzene	8260B	400		ug/L	30
024	07303 MW-20-DUP	Aqueous	Ethylbenzene	8260B	2100		ug/L	30
024	07303 MW-20-DUP	Aqueous	Methyl tertiary butyl ether	8260B	250		ug/L	30
024	07303 MW-20-DUP	Aqueous	Naphthalene	8260B	720		ug/L	30
024	07303 MW-20-DUP	Aqueous	tert-butyl alcohol (TBA)	8260B	3900		ug/L	30
024	07303 MW-20-DUP	Aqueous	Toluene	8260B	4700		ug/L	30
024	07303 MW-20-DUP	Aqueous	Xylenes (total)	8260B	13000		ug/L	30
025	07303 MW-29-DUP	Aqueous	tert-Amyl alcohol (TAA)	8260B	38		ug/L	31
025	07303 MW-29-DUP	Aqueous	Benzene	8260B	1.8		ug/L	31
025	07303 MW-29-DUP	Aqueous	1,2-Dichloroethane	8260B	1.2		ug/L	31
025	07303 MW-29-DUP	Aqueous	Diisopropyl ether (IPE)	8260B	1.8		ug/L	31
025	07303 MW-29-DUP	Aqueous	Methyl tertiary butyl ether	8260B	8.8		ug/L	31
025	07303 MW-29-DUP	Aqueous	Naphthalene	8260B	0.69	J	ug/L	31
025	07303 MW-29-DUP	Aqueous	tert-butyl alcohol (TBA)	8260B	23		ug/L	31
025	07303 MW-29-DUP	Aqueous	Xylenes (total)	8260B	0.56	J	ug/L	31
026	07303 DW-11-DUP	Aqueous	tert-Amyl alcohol (TAA)	8260B	140		ug/L	32
026	07303 DW-11-DUP	Aqueous	tert-Amyl methyl ether	8260B	6.1	J	ug/L	32

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
026	07303 DW-11-DUP	Aqueous	Benzene	8260B	22		ug/L	32
026	07303 DW-11-DUP	Aqueous	1,2-Dichloroethane	8260B	1.1		ug/L	32
026	07303 DW-11-DUP	Aqueous	Diisopropyl ether (IPE)	8260B	4.3		ug/L	32
026	07303 DW-11-DUP	Aqueous	Ethylbenzene	8260B	1.5		ug/L	32
026	07303 DW-11-DUP	Aqueous	Methyl tertiary butyl ether	8260B	87		ug/L	32
026	07303 DW-11-DUP	Aqueous	Naphthalene	8260B	1.1		ug/L	32
026	07303 DW-11-DUP	Aqueous	tert-butyl alcohol (TBA)	8260B	370		ug/L	32
026	07303 DW-11-DUP	Aqueous	Toluene	8260B	1.0		ug/L	32
026	07303 DW-11-DUP	Aqueous	Xylenes (total)	8260B	0.91	J	ug/L	32

(102 detections)

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-001
Description: 07303 MW-38
Matrix: Aqueous
Date Sampled: 02/01/2017 1320
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 2243	JJG		33905

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-002
Description: 07303 MW-39
Matrix: Aqueous
Date Sampled: 02/02/2017 1045
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 2306	JJG		33905

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-003
Description: 07303 MW-40
Matrix: Aqueous
Date Sampled: 02/01/2017 1550
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 2328	JJG		33905

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-004
Description: 07303 MW-41
Matrix: Aqueous
Date Sampled: 02/02/2017 1005
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 2350	JJG		33905

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		110	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-005
Description: 07303 MW-42
Matrix: Aqueous
Date Sampled: 02/01/2017 1615
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/08/2017 0013	JJG		33905

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		111	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-006
Description: 07303 MW-46
Matrix: Aqueous
Date Sampled: 02/02/2017 0945
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/08/2017 0035	JJG		33905

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		111	70-130
Bromofluorobenzene		109	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-007
Description: 07303 MW-47
Matrix: Aqueous
Date Sampled: 02/02/2017 0915
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/08/2017 0057	JJG		33905

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		110	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-008
Description: 07303 MW-48
Matrix: Aqueous
Date Sampled: 02/02/2017 0900
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/08/2017 0119	JJG		33905

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	1.3		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		111	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-009
Description: 07303 DW-1
Matrix: Aqueous
Date Sampled: 02/02/2017 1420
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/08/2017 0142	JJG		33905

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	23		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	1.5	J	10	0.40	ug/L	1
Benzene	71-43-2	8260B	0.81	J	1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	1.6		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	27		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	21		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-010
Description: 07303 DW-2
Matrix: Aqueous
Date Sampled: 02/03/2017 1016
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/08/2017 0204	JJG		33905

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	17	J	20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	1.1	J	10	0.40	ug/L	1
Benzene	71-43-2	8260B	2.1		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	1.9		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	12		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	1.1		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	11	J	20	8.0	ug/L	1
Toluene	108-88-3	8260B	1.6		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	2.8		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	70-130
Bromofluorobenzene		110	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-011
Description: 07303 DW-3
Matrix: Aqueous
Date Sampled: 02/03/2017 1053
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/08/2017 0501	JJG		33905

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	19	J	20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	1.2	J	10	0.40	ug/L	1
Benzene	71-43-2	8260B	1.7		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	17		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	15	J	20	8.0	ug/L	1
Toluene	108-88-3	8260B	0.77	J	1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-012
Description: 07303 DW-5
Matrix: Aqueous
Date Sampled: 02/02/2017 1226
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/08/2017 0227	JJG		33905

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	1.3		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	1.1		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-013
Description: 07303 DW-6
Matrix: Aqueous
Date Sampled: 02/02/2017 1349
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/08/2017 0249	JJG		33905

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	0.83	J	1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		110	70-130
Bromofluorobenzene		109	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-014
Description: 07303 DW-7
Matrix: Aqueous
Date Sampled: 02/03/2017 0944
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/08/2017 0311	JJG		33905

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	0.66	J	1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	2.9		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	0.92	J	1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	0.87	J	1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	70-130
Bromofluorobenzene		110	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-015
Description: 07303 DW-9
Matrix: Aqueous
Date Sampled: 02/01/2017 1418
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/08/2017 0333	JJG		33905

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-016
Description: 07303 DW-10
Matrix: Aqueous
Date Sampled: 02/01/2017 1354
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/08/2017 0355	JJG		33905

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	0.81	J	1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-017
Description: 07303 DW-11
Matrix: Aqueous
Date Sampled: 02/02/2017 1028
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	1	02/08/2017 2325	ECP		34039

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	160		20	8.0	ug/L	2
tert-Amyl methyl ether (TAME)	994-05-8	8260B	5.8	J	10	0.40	ug/L	2
Benzene	71-43-2	8260B	20		1.0	0.40	ug/L	2
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	1.0		1.0	0.40	ug/L	2
Diisopropyl ether (IPE)	108-20-3	8260B	3.9		1.0	0.40	ug/L	2
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	2
Ethanol	64-17-5	8260B	ND		100	40	ug/L	2
Ethylbenzene	100-41-4	8260B	1.3		1.0	0.40	ug/L	2
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	89		1.0	0.40	ug/L	2
Naphthalene	91-20-3	8260B	1.1		1.0	0.40	ug/L	2
tert-butyl alcohol (TBA)	75-65-0	8260B	360		20	8.0	ug/L	2
Toluene	108-88-3	8260B	1.1		1.0	0.40	ug/L	2
Xylenes (total)	1330-20-7	8260B	0.86	J	1.0	0.40	ug/L	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		109	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-018
Description: 07303 RW-1
Matrix: Aqueous
Date Sampled: 02/03/2017 1200
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	02/08/2017 0527	JJG		33904

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	810	J	2000	800	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	88	J	1000	40	ug/L	1
Benzene	71-43-2	8260B	1000		100	40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		500	200	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		100	40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		100	40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		2000	800	ug/L	1
Ethanol	64-17-5	8260B	ND		10000	4000	ug/L	1
Ethylbenzene	100-41-4	8260B	2000		100	40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	560		100	40	ug/L	1
Naphthalene	91-20-3	8260B	640		100	40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	3000		2000	800	ug/L	1
Toluene	108-88-3	8260B	11000		100	40	ug/L	1
Xylenes (total)	1330-20-7	8260B	12000		100	40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-019
Description: 07303 RW-2
Matrix: Aqueous
Date Sampled: 02/03/2017 1233
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	02/08/2017 0552	JJG		33904
2	5030B	8260B	100	02/09/2017 0436	ECP		34039

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	710		400	160	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		200	8.0	ug/L	1
Benzene	71-43-2	8260B	350		20	8.0	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	40	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		20	8.0	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		20	8.0	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		400	160	ug/L	1
Ethanol	64-17-5	8260B	ND		2000	800	ug/L	1
Ethylbenzene	100-41-4	8260B	1500		20	8.0	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		20	8.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	260		20	8.0	ug/L	1
Naphthalene	91-20-3	8260B	520		20	8.0	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	2800		400	160	ug/L	1
Toluene	108-88-3	8260B	3400		20	8.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	8400		100	40	ug/L	2

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130		107	70-130
Bromofluorobenzene		97	70-130		116	70-130
Toluene-d8		93	70-130		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-020
Description: 07303 RW-3
Matrix: Aqueous
Date Sampled: 02/03/2017 1215
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	02/08/2017 0617	JJG		33904

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	340	J	400	160	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		200	8.0	ug/L	1
Benzene	71-43-2	8260B	99		20	8.0	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	40	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		20	8.0	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		20	8.0	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		400	160	ug/L	1
Ethanol	64-17-5	8260B	ND		2000	800	ug/L	1
Ethylbenzene	100-41-4	8260B	1400		20	8.0	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		20	8.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	43		20	8.0	ug/L	1
Naphthalene	91-20-3	8260B	640		20	8.0	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	810		400	160	ug/L	1
Toluene	108-88-3	8260B	530		20	8.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	4700		20	8.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-021
Description: 07303 RW-4
Matrix: Aqueous
Date Sampled: 02/03/2017 1025
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/08/2017 0503	JJG		33904

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	14	J	20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	1.0	J	10	0.40	ug/L	1
Benzene	71-43-2	8260B	1.4		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	1.6		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	20		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	22		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-022
Description: 07303 SW-1
Matrix: Aqueous
Date Sampled: 02/01/2017 1630
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/08/2017 0030	JJG		33904

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	6.8		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	9.7	J	20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-023
Description: 07303 SW-2
Matrix: Aqueous
Date Sampled: 02/01/2017 1645
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/08/2017 0055	JJG		33904

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	1.9		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		89	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-024
Description: 07303 MW-20-DUP
Matrix: Aqueous
Date Sampled: 02/03/2017 1147
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	02/08/2017 0641	JJG		33904

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	850	J	2000	800	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		1000	40	ug/L	1
Benzene	71-43-2	8260B	400		100	40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		500	200	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		100	40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		100	40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		2000	800	ug/L	1
Ethanol	64-17-5	8260B	ND		10000	4000	ug/L	1
Ethylbenzene	100-41-4	8260B	2100		100	40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	250		100	40	ug/L	1
Naphthalene	91-20-3	8260B	720		100	40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	3900		2000	800	ug/L	1
Toluene	108-88-3	8260B	4700		100	40	ug/L	1
Xylenes (total)	1330-20-7	8260B	13000		100	40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-025
Description: 07303 MW-29-DUP
Matrix: Aqueous
Date Sampled: 02/02/2017 1522
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/08/2017 0120	JJG		33904

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	38		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	1.8		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	1.2		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	1.8		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	8.8		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	0.69	J	1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	23		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.56	J	1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-026
Description: 07303 DW-11-DUP
Matrix: Aqueous
Date Sampled: 02/02/2017 1030
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	1	02/08/2017 2347	ECP		34039

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	140		20	8.0	ug/L	2
tert-Amyl methyl ether (TAME)	994-05-8	8260B	6.1	J	10	0.40	ug/L	2
Benzene	71-43-2	8260B	22		1.0	0.40	ug/L	2
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	1.1		1.0	0.40	ug/L	2
Diisopropyl ether (IPE)	108-20-3	8260B	4.3		1.0	0.40	ug/L	2
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	2
Ethanol	64-17-5	8260B	ND		100	40	ug/L	2
Ethylbenzene	100-41-4	8260B	1.5		1.0	0.40	ug/L	2
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	87		1.0	0.40	ug/L	2
Naphthalene	91-20-3	8260B	1.1		1.0	0.40	ug/L	2
tert-butyl alcohol (TBA)	75-65-0	8260B	370		20	8.0	ug/L	2
Toluene	108-88-3	8260B	1.0		1.0	0.40	ug/L	2
Xylenes (total)	1330-20-7	8260B	0.91	J	1.0	0.40	ug/L	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		109	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-027
Description: 07303 FB-1
Matrix: Aqueous
Date Sampled: 02/01/2017 1245
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 2313	JJG		33904

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		89	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-028
Description: 07303 FB-2
Matrix: Aqueous
Date Sampled: 02/02/2017 0850
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 2340	JJG		33904

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-029
Description: 07303 FB-3
Matrix: Aqueous
Date Sampled: 02/03/2017 0835
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/08/2017 0004	JJG		33904

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		89	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: Terry Environmental Services, Inc.
Laboratory ID: SB03106-030
Description: 07303 TB-1
Matrix: Aqueous
Date Sampled: 02/01/2017
Date Received: 02/03/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2017 1053	JM1		33796

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.40	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	40	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		110	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		108	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: SQ33796-001
Batch: 33796
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	02/07/2017 1018
tert-Amyl methyl ether (TAME)	ND		1	10	0.40	ug/L	02/07/2017 1018
Benzene	ND		1	1.0	0.40	ug/L	02/07/2017 1018
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	02/07/2017 1018
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	02/07/2017 1018
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	02/07/2017 1018
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	02/07/2017 1018
Ethanol	ND		1	100	40	ug/L	02/07/2017 1018
Ethylbenzene	ND		1	1.0	0.40	ug/L	02/07/2017 1018
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	02/07/2017 1018
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	02/07/2017 1018
Naphthalene	ND		1	1.0	0.40	ug/L	02/07/2017 1018
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	02/07/2017 1018
Toluene	ND		1	1.0	0.40	ug/L	02/07/2017 1018
Xylenes (total)	ND		1	1.0	0.40	ug/L	02/07/2017 1018

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		106	70-130
1,2-Dichloroethane-d4		105	70-130
Toluene-d8		105	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: SQ33796-002
Batch: 33796
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1000		1	104	70-130	02/07/2017 0916
tert-Amyl methyl ether (TAME)	50	51		1	102	70-130	02/07/2017 0916
Benzene	50	56		1	112	70-130	02/07/2017 0916
tert-Butyl formate (TBF)	250	270		1	108	70-130	02/07/2017 0916
1,2-Dichloroethane	50	54		1	107	70-130	02/07/2017 0916
Diisopropyl ether (IPE)	50	47		1	94	70-130	02/07/2017 0916
3,3-Dimethyl-1-butanol	1000	1000		1	102	70-130	02/07/2017 0916
Ethanol	5000	5800		1	115	60-140	02/07/2017 0916
Ethylbenzene	50	51		1	102	70-130	02/07/2017 0916
Ethyl-tert-butyl ether (ETBE)	50	49		1	99	70-130	02/07/2017 0916
Methyl tertiary butyl ether (MTBE)	50	53		1	105	70-130	02/07/2017 0916

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: SQ33796-002
Batch: 33796
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Naphthalene	50	53		1	107	70-130	02/07/2017 0916
tert-butyl alcohol (TBA)	1000	1100		1	110	70-130	02/07/2017 0916
Toluene	50	52		1	105	70-130	02/07/2017 0916
Xylenes (total)	100	100		1	103	70-130	02/07/2017 0916

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		111	70-130
1,2-Dichloroethane-d4		105	70-130
Toluene-d8		101	70-130

Volatile Organic Compounds by GC/MS - MB

Sample ID: SQ33904-001
Batch: 33904
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	02/07/2017 2228
tert-Amyl methyl ether (TAME)	ND		1	10	0.40	ug/L	02/07/2017 2228
Benzene	ND		1	1.0	0.40	ug/L	02/07/2017 2228
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	02/07/2017 2228
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	02/07/2017 2228
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	02/07/2017 2228
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	02/07/2017 2228
Ethanol	ND		1	100	40	ug/L	02/07/2017 2228
Ethylbenzene	ND		1	1.0	0.40	ug/L	02/07/2017 2228
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	02/07/2017 2228
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	02/07/2017 2228
Naphthalene	ND		1	1.0	0.40	ug/L	02/07/2017 2228
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	02/07/2017 2228
Toluene	ND		1	1.0	0.40	ug/L	02/07/2017 2228
Xylenes (total)	ND		1	1.0	0.40	ug/L	02/07/2017 2228

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		90	70-130
1,2-Dichloroethane-d4		96	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: SQ33904-002
Batch: 33904
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	850		1	85	70-130	02/07/2017 2124
tert-Amyl methyl ether (TAME)	50	54		1	109	70-130	02/07/2017 2124
Benzene	50	60		1	121	70-130	02/07/2017 2124
tert-Butyl formate (TBF)	250	230		1	93	70-130	02/07/2017 2124
1,2-Dichloroethane	50	58		1	117	70-130	02/07/2017 2124
Diisopropyl ether (IPE)	50	44		1	88	70-130	02/07/2017 2124
3,3-Dimethyl-1-butanol	1000	1000		1	102	70-130	02/07/2017 2124
Ethanol	5000	4100		1	82	60-140	02/07/2017 2124
Ethylbenzene	50	54		1	108	70-130	02/07/2017 2124
Ethyl-tert-butyl ether (ETBE)	50	44		1	87	70-130	02/07/2017 2124
Methyl tertiary butyl ether (MTBE)	50	44		1	89	70-130	02/07/2017 2124
Naphthalene	50	47		1	94	70-130	02/07/2017 2124
tert-butyl alcohol (TBA)	1000	820		1	82	70-130	02/07/2017 2124
Toluene	50	53		1	106	70-130	02/07/2017 2124
Xylenes (total)	100	110		1	107	70-130	02/07/2017 2124

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		91	70-130
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		91	70-130

Volatile Organic Compounds by GC/MS - MB

Sample ID: SQ33905-001
Batch: 33905
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	02/07/2017 2204
tert-Amyl methyl ether (TAME)	ND		1	10	0.40	ug/L	02/07/2017 2204
Benzene	ND		1	1.0	0.40	ug/L	02/07/2017 2204
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	02/07/2017 2204
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	02/07/2017 2204
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	02/07/2017 2204
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	02/07/2017 2204
Ethanol	ND		1	100	40	ug/L	02/07/2017 2204
Ethylbenzene	ND		1	1.0	0.40	ug/L	02/07/2017 2204
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	02/07/2017 2204
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	02/07/2017 2204

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: SQ33905-001
Batch: 33905
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Naphthalene	ND		1	1.0	0.40	ug/L	02/07/2017 2204
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	02/07/2017 2204
Toluene	ND		1	1.0	0.40	ug/L	02/07/2017 2204
Xylenes (total)	ND		1	1.0	0.40	ug/L	02/07/2017 2204

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		108	70-130
Toluene-d8		104	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: SQ33905-002
Batch: 33905
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1000		1	100	70-130	02/07/2017 2104
tert-Amyl methyl ether (TAME)	50	50		1	99	70-130	02/07/2017 2104
Benzene	50	55		1	110	70-130	02/07/2017 2104
tert-Butyl formate (TBF)	250	270		1	106	70-130	02/07/2017 2104
1,2-Dichloroethane	50	53		1	105	70-130	02/07/2017 2104
Diisopropyl ether (IPE)	50	45		1	90	70-130	02/07/2017 2104
3,3-Dimethyl-1-butanol	1000	1000		1	100	70-130	02/07/2017 2104
Ethanol	5000	5600		1	111	60-140	02/07/2017 2104
Ethylbenzene	50	50		1	101	70-130	02/07/2017 2104
Ethyl-tert-butyl ether (ETBE)	50	49		1	98	70-130	02/07/2017 2104
Methyl tertiary butyl ether (MTBE)	50	51		1	102	70-130	02/07/2017 2104
Naphthalene	50	53		1	106	70-130	02/07/2017 2104
tert-butyl alcohol (TBA)	1000	1100		1	109	70-130	02/07/2017 2104
Toluene	50	52		1	103	70-130	02/07/2017 2104
Xylenes (total)	100	100		1	102	70-130	02/07/2017 2104

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		111	70-130
1,2-Dichloroethane-d4		104	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: SB03106-026MS
Batch: 33905
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	140	5000	5200		5	101	70-130	02/08/2017 0607
tert-Amyl methyl ether (TAME)	6.1	250	250		5	98	70-130	02/08/2017 0607
Benzene	22	250	310		5	115	72-127	02/08/2017 0607
tert-Butyl formate (TBF)	ND	1300	150	N	5	12	70-130	02/08/2017 0607
1,2-Dichloroethane	1.1	250	270		5	107	59-143	02/08/2017 0607
Diisopropyl ether (IPE)	4.3	250	240		5	95	70-130	02/08/2017 0607
3,3-Dimethyl-1-butanol	ND	5000	5100		5	101	70-130	02/08/2017 0607
Ethanol	ND	25000	29000		5	115	70-130	02/08/2017 0607
Ethylbenzene	1.5	250	270		5	106	79-132	02/08/2017 0607
Ethyl-tert-butyl ether (ETBE)	ND	250	250		5	101	70-130	02/08/2017 0607
Methyl tertiary butyl ether (MTBE)	87	250	360		5	111	60-140	02/08/2017 0607
Naphthalene	1.1	250	280		5	112	62-136	02/08/2017 0607
tert-butyl alcohol (TBA)	370	5000	7300	N	5	139	70-130	02/08/2017 0607
Toluene	1.0	250	270		5	108	75-125	02/08/2017 0607
Xylenes (total)	0.91	500	530		5	106	70-130	02/08/2017 0607

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		111	70-130
Toluene-d8		103	70-130

Volatile Organic Compounds by GC/MS - MSD

Sample ID: SB03106-026MD
Batch: 33905
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	140	5000	5000		5	96	5.0	70-130	20	02/08/2017 0629
tert-Amyl methyl ether (TAME)	6.1	250	250		5	98	0.61	70-130	20	02/08/2017 0629
Benzene	22	250	300		5	113	1.4	72-127	20	02/08/2017 0629
tert-Butyl formate (TBF)	ND	1300	140	N	5	11	9.6	70-130	20	02/08/2017 0629
1,2-Dichloroethane	1.1	250	260		5	105	1.6	59-143	20	02/08/2017 0629
Diisopropyl ether (IPE)	4.3	250	240		5	93	1.4	70-130	20	02/08/2017 0629
3,3-Dimethyl-1-butanol	ND	5000	5000		5	101	0.52	70-130	20	02/08/2017 0629
Ethanol	ND	25000	28000		5	112	2.4	70-130	20	02/08/2017 0629
Ethylbenzene	1.5	250	260		5	105	1.3	79-132	20	02/08/2017 0629
Ethyl-tert-butyl ether (ETBE)	ND	250	250		5	100	1.2	70-130	20	02/08/2017 0629
Methyl tertiary butyl ether (MTBE)	87	250	350		5	109	1.3	60-140	20	02/08/2017 0629

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: SB03106-026MD
Batch: 33905
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Naphthalene	1.1	250	270		5	109	2.2	62-136	20	02/08/2017 0629
tert-butyl alcohol (TBA)	370	5000	6800		5	130	6.4	70-130	20	02/08/2017 0629
Toluene	1.0	250	270		5	106	1.6	75-125	20	02/08/2017 0629
Xylenes (total)	0.91	500	520		5	104	1.8	70-130	20	02/08/2017 0629

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		111	70-130
Toluene-d8		102	70-130

Volatile Organic Compounds by GC/MS - MB

Sample ID: SQ34039-001
Batch: 34039
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	02/08/2017 2116
tert-Amyl methyl ether (TAME)	ND		1	10	0.40	ug/L	02/08/2017 2116
Benzene	ND		1	1.0	0.40	ug/L	02/08/2017 2116
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	02/08/2017 2116
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	02/08/2017 2116
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	02/08/2017 2116
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	02/08/2017 2116
Ethanol	ND		1	100	40	ug/L	02/08/2017 2116
Ethylbenzene	ND		1	1.0	0.40	ug/L	02/08/2017 2116
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	02/08/2017 2116
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	02/08/2017 2116
Naphthalene	ND		1	1.0	0.40	ug/L	02/08/2017 2116
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	02/08/2017 2116
Toluene	ND		1	1.0	0.40	ug/L	02/08/2017 2116
Xylenes (total)	ND		1	1.0	0.40	ug/L	02/08/2017 2116

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		107	70-130
1,2-Dichloroethane-d4		110	70-130
Toluene-d8		108	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: SQ34039-002
Batch: 34039
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	970		1	97	70-130	02/08/2017 2016
tert-Amyl methyl ether (TAME)	50	50		1	100	70-130	02/08/2017 2016
Benzene	50	56		1	112	70-130	02/08/2017 2016
tert-Butyl formate (TBF)	250	260		1	104	70-130	02/08/2017 2016
1,2-Dichloroethane	50	54		1	108	70-130	02/08/2017 2016
Diisopropyl ether (IPE)	50	44		1	88	70-130	02/08/2017 2016
3,3-Dimethyl-1-butanol	1000	1000		1	102	70-130	02/08/2017 2016
Ethanol	5000	5400		1	109	60-140	02/08/2017 2016
Ethylbenzene	50	51		1	103	70-130	02/08/2017 2016
Ethyl-tert-butyl ether (ETBE)	50	48		1	95	70-130	02/08/2017 2016
Methyl tertiary butyl ether (MTBE)	50	50		1	100	70-130	02/08/2017 2016
Naphthalene	50	53		1	105	70-130	02/08/2017 2016
tert-butyl alcohol (TBA)	1000	1100		1	113	70-130	02/08/2017 2016
Toluene	50	53		1	106	70-130	02/08/2017 2016
Xylenes (total)	100	100		1	103	70-130	02/08/2017 2016

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		110	70-130
1,2-Dichloroethane-d4		104	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Chain of Custody
and
Miscellaneous Documents

SHEALY **Chain of Custody Record**

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 68783

Client: Terry Environmental
Address: P.O. Box 25
City: Summerville | State: SC | Zip Code: 29484
Project Name: F Lil Cricket #339
Project No.: 2170P
P.O. No.:

Report to Contact: Kelly Conte
Sampler's Signature: x [signature]
Printed Name: M. Montgomery Taylor

Telephone No. / E-mail: 843-873-8200
Analysis (Attach list if more space is needed): BTEX/MTBE 1,2DCA 1,2DCA-Ethyl

Quote No.:
Page 4 of 6

SB03106

Sample ID / Description (Containers for each sample may be combined on one line.)		Date	Time	Gas Grab Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No of Containers by Preservative Type: Unpres.	N2SO4	H2SO4	HCl	NaOH	NaOH/ Zn Ac		BTEX/MTBE 1,2DCA 1,2DCA-Ethyl									Remarks / Cooler I.D.
07303	MW-38	2/1/17	1320	G	X						3				3									
	MW-39	2/2/17	1045																					
	MW-40	2/1/17	1550																					
	MW-41	2/2/17	1005																					
	MW-42	2/1/17	1615																					
	MW-46	2/2/17	0945																					
	MW-47	2/2/17	0915																					
	MW-48	2/2/17	0900																					
	DW-1	2/2/17	1420																					
	DW-2	2/3/17	1010																					

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☒ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☒ Disposal by Lab

Possible Hazard Identification: ☒ Non-Hazard ☐ Rammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished by: [signature]	2/3/17	1430	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: [signature]	2/3/17	1430

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 2.6 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

SHEALY

Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 68782

Client: TERRY ENVIRONMENTAL	Report to Contact: KELLY CONE	Telephone No. / E-mail: 843-873-8200	Quote No.
Address: P.O. BOX 25	Sampler's Signature: x	Analysis (Attach list if more space is needed)	Page 5 of 6
City: SUMMERVILLE	State: SC Zip Code: 29484	Printed Name: M. MONTGOMERY TAYLOR	
Project Name: F. LI'L CRICKET #339			
Project No.: 2170P	P.O. No.		

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Grab / Composite	Matrix: Aqueous	Solid	Non-Aqueous	No of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Other	PFAS/NM1 6:2FTS 8:2FTS	Remarks / Cooler I.D.
07303 DW-3	2/3/17	1053	G	X						3				3	SB03106
PW-5	2/2/17	1220													
DW-6	2/2/17	1349													
DW-7	2/3/17	0944													
DW-9	2/1/17	1418													
DW-10	2/1/17	1354													
DW-11	2/2/17	1028													
RW-1	2/3/17	1200													
RW-2	2/3/17	1233													
RW-3	2/3/17	1215	↓	↓	↓	↓				↓				↓	

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☒ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☒ Disposal by Lab

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Relinquished by	Date	Time	Received by	Date	Time
1.		2/3/17	1430			
2.						
3.						
4.				Laboratory received by:	2/3/17	1436

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle): (Yes) No Ice Pack — Receipt Temp: 2.0 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

SHEALY ENVIRONMENTAL SERVICES, INC.

SHEALY Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 68788

Client: Terra Environmental	Report to Contact: Kelly Cone	Telephone No. / E-mail: 843-873-6200	Quote No.
Address: P.O. Box 25	Sampler's Signature: x	Analysis (Attach list if more space is needed)	Page 1 of 1
City: Summerville / State: SC / Zip Code: 29484	Printed Name: M. Montgomery-Taylor		
Project Name: F. Li'l Cricket #339			
Project No.: 2170P	P.O. No.		

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Grab/Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No. of Containers by Preservative Type: Unpres.	HCl	HNO3	H2SO4	NaOH	Other (See Remarks)	PAHs 8270 SIM + 1,2 EDB	Remarks / Cooler I.D.
07303 RW-4	2/3/17	1025	G	X					3				3	SB03106
SW-1	2/1/17	1630												
SW-2	2/1/17	1645												
MW-20-DUP	2/3/17	1147												
MW-29-DUP	2/2/17	1522												
RW-11-DUP	2/2/17	1030												
FB-1	2/1/17	1245												
FB-2	2/2/17	0850												
FB-3	2/3/17	0835												
TB-1	—	—	↓	↓					2				2	

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☒ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: M. Montgomery-Taylor	2/3/17	1430	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: Tara Dowdy	2/3/17	1430

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle): (Yes) No Ice Pack
Receipt Temp: 2.6 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Shealy Environmental Services, Inc
Document Number: MED018C-07

Page 1 of 1
Effective Date: 11/29/2016
Expiry Date: 11/29/2021

Sample Receipt Checklist (SRC)

Client: Terry Cooler Inspected by/date: SBE 12-3-17 Lot #: 583036

Means of receipt: ☐ SESI ☑ Client ☐ UPS ☐ FedEx ☐ Other

Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?

pH strip ID: Cl strip ID:

Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt:

12.4 / 12.6 °C / / °C / / °C / / °C

Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: 6 IR Gun Correction Factor: 0 °C

Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one).
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		13. Was adequate sample volume available?
Yes ☐	No ☑		14. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		15. Were any samples containers missing/excess (circle one) samples Not listed on COC?
Yes ☐	No ☑	NA ☐	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	17. Were all DRO/metals/nutrient samples received at a pH of < 2?
Yes ☐	No ☐	NA ☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/phenol/BNA (<0.5mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	20. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	21. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		22. Was the quote number used taken from the container label?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4, HNO_3, HCl, NaOH) using SR # _____.

Sample(s) _____ were received with bubbles >6 mm in diameter.

Samples(s) _____ were received with TRC >0.5 mg/L (If #21 is No) and were adjusted accordingly in sample receiving with sodium thiosulfate ($Na_2S_2O_3$) with Shealy ID: _____.

SC Drinking Water Project Sample(s) pH verified to be < 2 by _____ Date: _____

Sample(s) _____ were Not received at a pH of < 2 and were adjusted accordingly using SR# _____

Sample labels applied by: SBE Verified by: _____ Date: 12-3-17

Comments: one vial from DW-11 broke in SR 2nd lot (pages 4-6)

APPENDIX C

Tax Map
(Not Applicable)

APPENDIX D

Soil Boring/Field Screening Logs
(Not Applicable)

APPENDIX E

Well Completion Logs/SCDHEC 1903 Forms
(Not Applicable)

APPENDIX F

Aquifer Evaluation Forms
(Not Applicable)

APPENDIX G

Disposal Manifest

US Water Recovery

Non-Hazardous Manifest: Waste Water or Drums

Number:

1. Generator's EPA ID# (if applicable): PERMIT # 07303
   Waste ID Number:

2. Generator's Name and Mailing Address:
   LI'L CRICKET #339
   900 WEST IV. FIRST STREET
   SENECA, SC
   Phone ( )
   P O #: 2770P

3. Agent of Generator and Mailing Address:
   TERRY ENV. SERVICES
   P.O. BOX 25
   SUMMERVILLE, SC 29484
   Phone (843) 873-8200
   P O #:

4. Transporter Company Name:
   1. SAME AS ABOVE
   Phone ( )
   Truck & Trailer License Number:

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address:
   US Water Recovery
   511 Old Mt. Holly Rd.
   Goose Creek, SC 29445

   Mailing Address:
   US Water Recovery
   511 Old Mt. Holly Rd.
   Goose Creek, SC 29445

   Phone: (843) 797-3111
   Fax: (843) 797-1884

7 Facility U.S. EPA ID#:

Start Level: End Level: Total Gallons: Tank Number

8. U.S. DOT Description	Container No.	Container Type	Unit	Quantity
a. Non-Hazardous, non-regulated waste water			gal	35 gls

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: M. MONTGOMERY TAYLOR Signature: [signature] Date: 3/1/17

10. Transporter Acknowledgement of Receipt of Materials
Printed/Typed Name: M. MONTGOMERY TAYLOR as agent Signature: [signature] Date: 3/7/17

11. Discrepancy Indication space:

12. Facility Owner or Operator: Certification of Receipt of Materials
Printed/Typed Name: PAUL HOWELL Signature: [signature] Date 3/7/17

White - Facility Yellow - Office Pink - Transporter Blue - Generator

14571

APPENDIX H

Local Zoning Regulations
(Not Applicable)

APPENDIX I

Fate and Transport Modeling Data
(Not Applicable)

APPENDIX J

Access Agreements
(Not Applicable)

APPENDIX K

Data Verification Checklist

Contractor Checklist –Former Li'l Cricket #339

UST Permit #07303 - TERRY Project #2170P

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			X
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?	X		
7	Has the facility history been summarized?	X		
8	Has the regional geology and hydrogeology been described?	X		
9	Are the receptor survey results provided as required?			X
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?	X		
12	Has the primary soil type been described?	Sect. 3		
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?			X
17	Has the method of well development been detailed?			X
18	Has justification been provided for the locations of the monitoring wells?			X
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	X		
20	Has the groundwater sampling methodology been detailed?	X		
21	Have the groundwater sampling dates and groundwater measurements been provided?	X		
22	Has the purging methodology been detailed?	X		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?	X		
24	If free-product is present, has the thickness been provided?	X		
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	X		
34	Has the current and historical laboratory data been provided in tabular format?	X		

Item #	Item	Yes	No	N/A
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			X
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)	X Fig 4		X Fig 3
40	Has the site potentiometric map been provided? (Figure 5)	X		
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	X		
45	Is the laboratory performing the analyses properly certified?	X		
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)			X
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			X
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	X		

Explanation for missing and incomplete information?

Not Applicable for the current directive.

dhec
Healthy People. Healthy Communities.

FEB 2 [illegible] 19

UST 60 Tech DOCKETING

E Z SERVE CONVENIENT STORE
PO BOX 922021
HOUSTON TX 77292

Re: Site Specific Work Plan (SSWP) Directive for Groundwater Sampling
Lil Cricket 339, 800 N W First St, Seneca, SC
UST Permit #07303
Release reported April 27, 1989
Monitoring report received March 9, 2017
Oconee County

To Whom It May Concern :

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed the above referenced report submitted by your contractor. The report documents petroleum chemicals in the soil and groundwater above Risk-Based Screening Levels (RBSLs).

To determine what risk the referenced release may pose to human health and the environment, and in accordance with Section 280.65 of the South Carolina Underground Storage Tank Control Regulations, implementation of groundwater sampling is necessary. The groundwater sampling must be conducted in accordance with the most recent revision of the UST Quality Assurance Program Plan (QAPP) and in compliance with all applicable regulations. A copy of the UST QAPP is available at http://www.scdhec.gov/Environment/LW/UST/ReleaseAssessmentClean-up/QualityAssurance/.

Groundwater samples should be collected from all monitoring wells and surface waters within 1,000 foot radius of the site and analyzed for BTEX, Naphth, MtBE, Oxys, DCA, and EDB.Only wells with screens not bracketing the water table should be purged prior to sampling.

Your contractor must complete the SSWP and Cost Proposal and submit it within 30 days from the date of this letter. Every component may not be necessary to complete the above scope of work. The State Underground Petroleum Environmental Response Bank (SUPERB) Account allowable cost for each component is included on the Assessment Component Cost Agreement Form. **Please note that approval from DHEC must be issued before work begins.**

On all correspondence regarding this site, please reference UST Permit #07303. Should you have any questions regarding this correspondence, please feel free to contact me by phone at (803) 898-0631, by fax at (803) 898-0673, or by e-mail at Looperam@dhec.sc.gov.

Sincerely,

Adam Looper

Adam Looper
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

Cc: Terry Environmental Services, P.O. Box 25, Summerville, SC 29484
Technical Files

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DIVISION

Site-Specific Work Plan for Approved ACQAP
Underground Storage Tank Management Division

To: Adam Looper (SCDHEC Project Manager)
From: Kelly Cone (Contractor Project Manager)
Contractor: TERRY Environmental Services, Inc. UST Contractor Certification Number: UCC-0223

Facility Name: Former Li'l Cricket #339 UST Permit #: 07303
Facility Address: 800 West North First Street, Seneca, South Carolina 29678
Responsible Party: Li'l Cricket Convenience Store (Mr. Jim Zuber) Phone: 910-512-9692
RP Address: 2010 Viburnum Lane, Asheville, NC 28803
Property Owner (if different): Thomas & Dorothy Glenn
Property Owner Address: 800 West North First Street, Seneca, South Carolina 29678
Current Use of Property: Commercial Property

01
TECH

Scope of Work (Please check all that apply)

- ☐ IGWA
- ☐ Tier I
- ☐ Tier II
- ☐ Monitoring Well Installation
- ☑ Groundwater Sampling
- ☐ Other
- ☐ GAC

Analyses (Please check all that apply)

Groundwater/Surface Water:

- ☑ BTEXNMDCA (8260B)
- ☑ Oxygenates (8260B)
- ☑ EDB (8011)
- ☐ PAH (8270D)
- ☐ Lead
- ☐ 8 RCRA Metals
- ☐ TPH
- ☐ pH
- ☐ BOD
- ☐ Nitrate
- ☐ Sulfate
- ☐ Other
- ☐ Methane
- ☐ Ethanol
- ☐ Dissolved Iron

Drinking Water Supply Wells:

- ☐ BTEXNMDCA (524.2)
- ☐ Oxygenates & Ethanol (8260B)
- ☐ Mecury (200.8 245.1 or 245.2)
- ☐ RCRA Metals (200.8)
- ☐ EDB (504.1)

Soil:

- ☐ BTEXNM
- ☐ Lead
- ☐ RCRA Metals
- ☐ PAH
- ☐ Oil & Grease (9071)
- ☐ TPH-DRO (3550B/8015B)
- ☐ TPH-GRO (5030B/8015B)
- ☐ Grain Size
- ☐ TOC

Air:

- ☐ BTEXN

Sample Collection (Estimate the number of samples of each matrix that are expected to be collected.)

--	Soil	--	Water Supply Wells	--	Air	3	Field Blank
56	Monitoring Wells	2	Surface Water	3	Duplicate	3	Trip Blank

Field Screening Methodology

Estimate number and total completed depth for each point, and include their proposed locations on the attached map.

# of shallow points proposed: -- Estimated Footage: -- feet per point
# of deep points proposed: -- Estimated Footage: -- feet per point
Field Screening Methodology: --

Permanent Monitoring Wells

Estimate number and total completed depth for each well, and include their proposed locations on the attached map.

# of shallow wells: -- Estimated Footage: -- feet per point
# of deep wells: -- Estimated Footage: -- feet per point
# of recovery wells: -- Estimated Footage: -- feet per point
Comments, if warranted: --

UST Permit #: 07303 Facility Name: Former Li'l Cricket #339

Implementation Schedule (Number of calendar days from approval)
Field Work Start-Up: 14-30 days Field Work Completion: 30-45 days
Report Submittal: 60 days # of Copies Provided to Property Owners: _____

Aquifer Characterization
Pump Test: ☐ Slug Test: ☐ (Check one and provide explanation below for choice)

Investigation Derived Waste Disposal
Soil: - Tons Purge Water: 110 Gallons
Drilling Fluids: - Gallons Free-Phase Product: - Gallons

Additional Details For This Scope of Work
For example, list wells to be sampled, wells to be abandoned/repaired, well pads/bolts/caps to replace, details of AFVR event, etc.

Conduct a comprehensive sampling event; monitoring wells MW-3, MW-5R, MW-9 thru MW-48, DW-1 thru DW-3, DW-5 thru DW-7, DW-9 thru DW-11, recovery wells RW-1 thru RW-5, and surface water locations SW-1 and SW-2 will be sampled. Per SCDHEC request, only the monitoring wells with a water column that is not bracketed by the screened interval will be purged prior to sampling. The wells were last sampled in February 2017.
NOTE: Monitoring wells MW-43, MW-44, and MW-45 were not previously located. TERRY will make an effort to locate and sample these wells.

Compliance With Annual Contractor Quality Assurance Plan (ACQAP)
Yes Laboratory as indicated in ACQAP? (Yes/No) If no, indicate laboratory information below.
Name of Laboratory: _____
SCDHEC Certification Number: _____
Name of Laboratory Director: _____

____ Well Driller as indicated in ACQAP? (Yes/No) If no, indicate driller information below.
Name of Well Driller: _____
SCLLR Certification Number: _____

____ Other variations from ACQAP. Please describe below.

Attachments
1. Attach a copy of the relevant portion of the USGS topographic map showing the site location.
2. Prepare a site base map. This map must be accurately scaled, but does not need to be surveyed. The map must include the following:
   - North Arrow
   - Location of property lines
   - Location of buildings
   - Previous soil sampling locations
   - Previous monitoring well locations
   - Proposed soil boring locations
   - Proposed monitoring well locations
   - Legend with facility name and address, UST permit number, and bar scale
   - Streets or highways (indicate names and numbers)
   - Location of all present and former ASTs and USTs
   - Location of all potential receptors
3. Assessment Component Cost Agreement, SCDHEC Form D-3664

dhec
Healthy People Healthy Communities

ASSESSMENT COMPONENT COST AGREEMENT
SOUTH CAROLINA
Department of Health and Environmental Control
Underground Storage Tank Management Division
State Underground Petroleum Environmental Response Bank Account
August 16, 2016

Facility Name: Former Li'l Cricket 339
UST Permit #: 07303 **Cost Agreement #:** Proposal

ITEM	QUANTITY	UNIT	UNIT PRICE		TOTAL
1. **Plan Preparation**					
A1. Site-specific Work Plan	1	each	$150.00		$150.00
B1. Tax Map		each	$70.00		$0.00
C1. Tier II or Comp. Plan /QAPP Appendix B		each	$250.00		$0.00
2. A1. **Receptor Survey ***		each	$551.00		$0.00
3. **Survey (500 ft x 500 ft)**					
A1. Comprehensive Survey		each	$1,040.00		$0.00
B. Subsurface Geophysical Survey					
1B. < 10 meters below grade		each	$1,300.00		$0.00
2B. > 10 meters below grade		each	$2,310.00		$0.00
C1. Geophysical UST or Drum Survey		each	$910.00		$0.00
4. **Mob/Demob**					
A1. Equipment		each	$1,020.00		$0.00
B1. Personnel (10, 17)	2	each	$423.00		$846.00
C1. Adverse Terrain Vehicle		each	$500.00		$0.00
5. A1. **Soil Borings (hand auger)***		foot	$5.00		$0.00
6. **Soil Borings (requiring equipment, push technology, etc)* or Field Screening (including water ssample, soil sample, soil gas sample, etc.)***					
AA. Standard		per foot	$15.00		$0.00
C1. Fractured Rock		per foot	$20.20		$0.00
7. A1. **Soil Leachability Model**		each	$60.00		$0.00
8. **Abandonment (per foot)***					
A1. 2" diameter or less		per foot	$3.10		$0.00
B1. Greater than 2" to 6" diameter		per foot	$4.50		$0.00
C1. Dug/Bored well (up to 6 feet diameter)		per foot	$15.00		$0.00
9. **Well Installation (per foot)***					
A1. Water Table (hand augered)		per foot	$10.60		$0.00
B1. Water Table (drill rig)		per foot	$38.00		$0.00
CC. Telescoping		per foot	$50.00		$0.00
DD. Rock Drilling		per foot	$58.00		$0.00
E1. 2" Rock Coring		per foot	$30.90		$0.00
G1. Rock Multi-sampling ports/screens		per foot	$33.40		$0.00
HH. Recovery Well (4" diameter)		per foot	$45.00		$0.00
II. Pushed Pre-packed screen (1.25" dia)		per foot	$15.00		$0.00
J1. Rotosonic (2" diameter)		per foot	$44.00		$0.00
K. Re-develop Existing Well		per foot	$11.00		$0.00
10. **Groundwater Sample Collection / Gauge Depth to Water or Product ***					
A1. Groundwater Purge	9	per well/receptor	$60.00		$540.00
B1. Air or Vapors		per receptor	$12.00		$0.00
C1. Water Supply		per well/receptor	$22.00		$0.00
D1. Groundwater NP (47), SW (2), or Dup (3)	52	per well/receptor	$28.00		$1,456.00
E1. Gauge Well only		per well	$7.00		$0.00
F1. Sample Below Product		per well	$12.00		$0.00
G1. Passive Diffusion Bag		each	$26.00		$0.00
H1. Field Blank	3	each	$24.60		$73.80

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11. Laboratory Analyses-Groundwater					
A2. BTEXNM+Oxyg's+1,2 DCA+Eth(8260B)	67	per sample	$122.00		$8,174.00
AA1. Lead, Filtered		per sample	$13.80		$0.00
B2. Rush EPA Method 8260B (All of item A.)		per sample	$153.60		$0.00
C2. Trimethal, Butyl, and Isopropyl Benzenes		per sample	$36.40		$0.00
D1. PAH's		per sample	$60.60		$0.00
E1. Lead		per sample	$16.00		$0.00
F1. EDB by EPA 8011	64	per sample	$45.20		$2,892.80
FF1. EDB by EPA Method 8011 Rush		per sample	$68.20		$0.00
G1. 8 RCRA Metals		per sample	$63.40		$0.00
H1. TPH (9070)		per sample	$41.00		$0.00
II. pH		per sample	$5.20		$0.00
J1. BOD		per sample	$20.00		$0.00
PP. Ethanol		per sample	$14.80		$0.00
11. Analyses-Drinking Water					
L. BTEXNM+1,2 DCA (524.2)		per sample	$124.05		$0.00
M. 7-OXYGENATES & ETHANOL (8260B)		per sample	$91.75		$0.00
N. EDB (504.1)		per sample	$79.50		$0.00
O. RCRA METALS (200.8)		per sample	$100.00		$0.00
11. **Analyses-Soil**					
Q1. BTEX + Naphth.		per sample	$64.00		$0.00
R1. PAH's		per sample	$64.04		$0.00
S1. 8 RCRA Metals		per sample	$56.40		$0.00
U1. TPH-DRO (3550C/8015C)		per sample	$40.00		$0.00
V1. TPH- GRO (5030B/8015C)		per sample	$35.96		$0.00
W1. Grain size/hydrometer		per sample	$104.00		$0.00
X1. Total Organic Carbon		per sample	$30.60		$0.00
11. **Analyses-Air**					
Y1. BTEX + Naphthalene		per sample	$216.00		$0.00
11. **Analyses-Free Phase Product**					
Z1. Hydrocarbon Fuel Identification		per sample	$357.00		$0.00
12. **Aquifer Characterization**					
A1. Pumping Test*		per hour	$23.00		$0.00
B1. Slug Test*		per test	$191.00		$0.00
C1. Fractured Rock		per test	$100.00		$0.00
13. A1. **Free Product Recovery Rate Test***		each	$38.00		$0.00
14. **Fate/Transport Modeling**					
A1. Mathematical Model		each	$100.00		$0.00
B1. Computer Model		each	$100.00		$0.00
15. **Risk Evaluation**					
A. Tier I Risk Evaluation		each	$300.00		$0.00
B1. Tier II Risk Evaluation		each	$100.00		$0.00
16. A1. **Subsequent Survey***		each	$260.00		$0.00
17. **Disposal (gallons or tons)***					
AA. Wastewater	110	gallon	$0.56		$61.60
BB. Free Product		gallon	$0.50		$0.00
C1. Soil Treatment/Disposal		ton	$60.00		$0.00
D1. Drilling fluids		gallon	$0.42		$0.00
18. **Miscellaneous (attach receipts)**					
		each	$0.00		$0.00
		each	$0.00		$0.00
		each	$0.00		$0.00
20. **Tier I Assessment (Use DHEC 3665 form)**		standard			$0.00
21. **IGWA (Use DHEC 3666 form)**		standard			$0.00
22. **Corrective Action (Use DHEC 3667 form)**		PFP Bid			$0.00

UST
MAR 0 2 2018
DIVISION

23. **Aggressive Fluid & Vapor Recovery (AFVR)**					
A1. 8-hour Event*		each	$1,375.00		$0.00
AA. 24-hour Event*		each	$3,825.00		$0.00
A3. 48-hour Event*		each	$6,265.00		$0.00
A4. 96-hour Event*		each	$12,567.50		$0.00
C1. Off-gas Treatment 8 hour		per event	$122.50		$0.00
C2. Off-gas Treatment 24 hour		per event	$241.50		$0.00
C3. Off-gas Treatment 48 hour		per event	$327.00		$0.00
C4. Off-gas Treatment 96 hour		per event	$780.00		$0.00
D. Site Reconnaissance		each	$203.25		$0.00
E1. Additional Hook-ups		each	$25.75		$0.00
F1. Effluent Disposal		gallon	$0.44		$0.00
G. AFVR Mobilization/Demobilization		each	$391.50		$0.00
24. **Granulated Activated Carbon (GAC) filter system installation & service:**					
A1. New GAC System Installation*		each	$1,900.00		$0.00
BB. Refurbished GAC Sys. Install*		each	$900.00		$0.00
C1. Filter replacement/removal*		each	$350.00		$0.00
DD. GAC System removal, cleaning, & refurbishment*		each	$275.00		$0.00
E1. GAC System housing*		each	$250.00		$0.00
F. In-line particulate filter		each	$150.00		$0.00
G1. Additional piping & fittings		foot	$1.50		$0.00
25. **Well Repair**					
A1. Additional Copies of the Report Delivered		each	$50.00		$0.00
B1. Repair 2x2 MW pad*		each	$50.00		$0.00
C1. Repair 4x4 MW pad*		each	$88.00		$0.00
D1. Repair well vault*		each	$118.00		$0.00
F1. Replace well cover bolts		each	$2.60		$0.00
G. Replace locking well cap & lock		each	$15.00		$0.00
H1. Replace/Repair stick-up*		each	$134.00		$0.00
I1. Convert Flush-mount to Stick-up*		each	$150.00		$0.00
J1. Convert Stick-up to Flush-mount*		each	$130.00		$0.00
K1. Replace missing/illegible well ID plate		each	$12.00		$0.00
Report Prep & Project Management	12%	percent	$14,194.20		$1,703.30
TOTAL					$15,897.50

*The appropriate mobilization cost can be added to complete these tasks, as necessary

1,000 0 1,000 2,000
FEET

FIGURE 1
TOPOGRAPHIC MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, South Carolina

TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

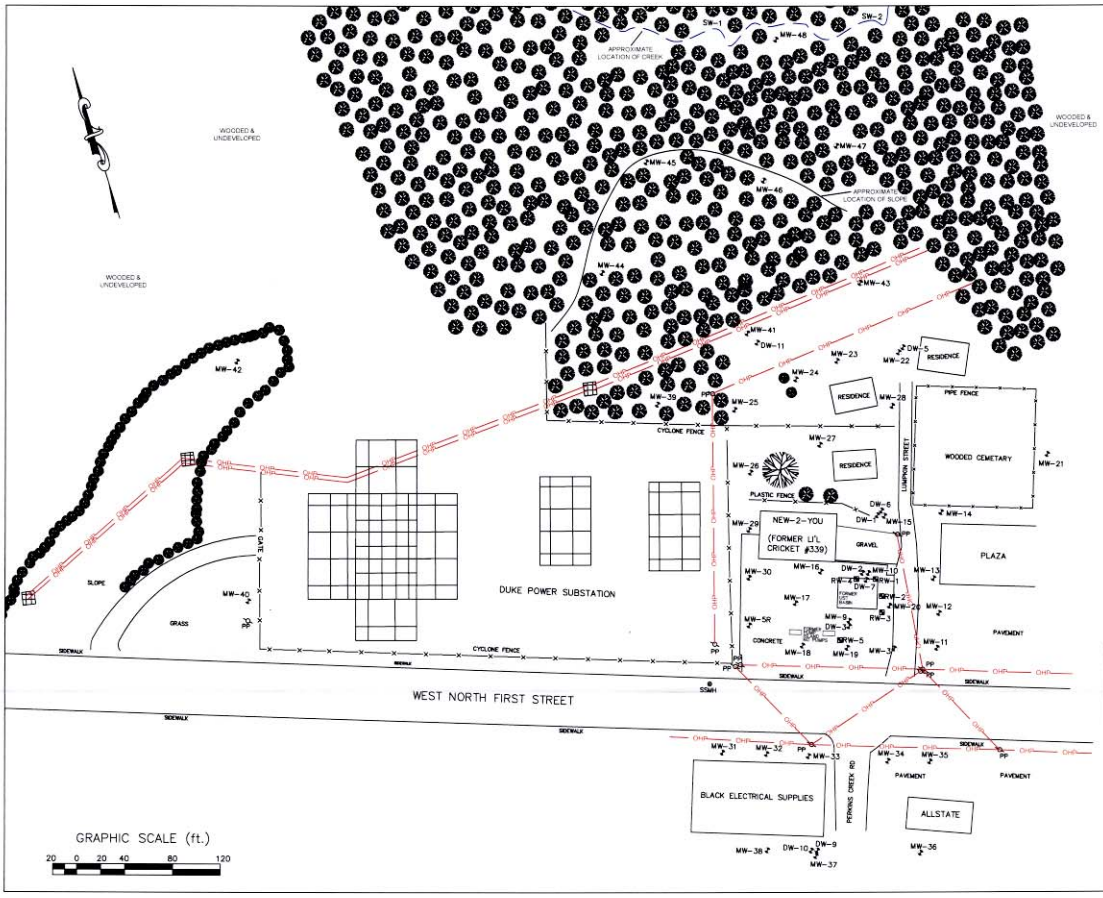
providing our clients with the best services available, actually understanding our clients objectives, and making their objectives our own!

PO Box 25
Summerville, South Carolina 29484
(800) 325-0605 (843)-873-8200 fax (843)-873-8765

SIZE	TERRY Project No.	DWG NO.	REV
B	2170Q	Figure 1 Topo Map	

SCALE: As Shown

DATE: February 2018



TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

FIGURE 2
SITE BASE MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170Q	07303
SCALE 1" = 80'	DATE February 2018

Location #62838
Seneca, SC
Preliminary

ACUTEST

Tenneco Station 62838

USTDOCKETING
6ZT9

ACUTEST
ENVIRONMENTAL SERVICES

September 1, 1988

Mr. Dan Waters
Tenneco Oil Company
8800 Roswell Road, Suite 170
Atlanta, GA 30338

Re: Test # : 880830
Test Date : August 30, 1988
Tenneco Station#: 62838 / 8 N. West 1St St. / Seneca, SC

Dear Mr. Waters:

A tank integrity test was performed on the above storage tanks using the LEAK COMPUTER SYSTEM. This test was performed in accordance with the precision test requirements of NFPA-327-87. The criteria for acceptable tank integrity allowed by this test procedure is based upon a leak detection limit of 0.05 gallons per hour, for tanks having a capacity of up to and including 12,500 gallons, and a consideration of other variable factors.

The results of the tests are given below and indicated whether the tanks, and the tanks with the associated piping, passed or failed the integrity criteria. The results from the product line tests are reported on page 2 of this report.

Included is the computer printout of the test data, indicating the average leak rate and the confidence level as shown at the end of each strip chart. This information is stored in a permanent file if future verification is needed to confirm the tank integrity at the time of the test.

TEST RESULTS

GRADE	VOLUME	HIGH LEVEL LEAK RATE	LOW LEVEL LEAK RATE	PIPING	TANK
UNLEADED	4,000	0.04	----	PASS	PASS
PREMIUM	4,000	0.00	----	PASS	PASS
KEROSENE	4,000	0.05	----	PASS	PASS
REGULAR	6,000	*	*	*NOT TESTED	

* WOULD NOT HOLD GAS IN RISER. NEEDS TO BE REPAIRED AND RETESTED.

TENNECO STATION #:62838
TEST RESULTS :880830

PRODUCT LINE TEST

GRADE	VOLUME	RESULTS
KEROSENE	4,000	PASS
REGULAR	6,000	PASS
PREMIUM	4,000	PASS
UNLEADED	4,000	PASS

Sincerely,

Steve Barbee

Tenneco | North [illegible] | [illegible] | [illegible] | [illegible]

Name of Supplier, Owner or Dealer | Address No. and Street(s) | City | State | Date of Test

15. TANK TO TEST

1st from Street
Identity by position

Regular
Brand and Grade

15a. BRIEF DIAGRAM OF TANK FIELD

See other Chart

16. CAPACITY

Nominal Capacity 6000 Gallons

By most accurate capacity chart available 6048 Gallons

From
- [x] Station Chart
- [ ] Tank Manufacturer's Chart
- [ ] Company Engineering Data
- [ ] Charts supplied with
- [ ] Other

17. FILL-UP FOR TEST

Stick Water Bottom before Fill-up -0- in. to ¼" | -0- Gallons | 96" in. Tank Diameter

		Gallons	Total Gallons ea Reading
Inventory	96"		6048
	H_2O		-0-
	Top off		+10
	96"		6058

Transfer total to line 25a

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK

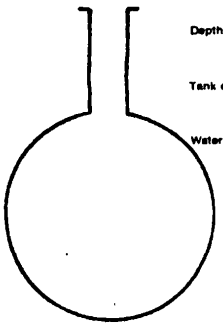
See manual sections applicable. Check below and record procedure in log (27).

- [ ] Water in tank
- [ ] Line(s) being tested with LVLLT
- [ ] High water table in tank excavation

Use maximum allowable test pressure for all tests.
Four pound rule does not apply to doublewalled tanks.

Complete section below:

1. Is four pound rule required? Yes [ ] No [x]
2. Height to 12" mark from bottom of tank _____ in.
3. Pressure at bottom of tank _____ P.S.I.
4. Pressure at top of tank _____ P.S.I.



Depth of burial _____ in.

Tank dia. _____ in.

Water table _____ in.

NOTES:

The above calculations are to be used for dry soil conditions to establish a positive pressure advantage, or when using the four pound rule to compensate for the presence of subsurface water in the tank area.

Refer to N.F.P.A. 30, Sections 2-3.2.4 and 2-7.2 and the tank manufacturer regarding allowable system test pressures.

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY

Bottom of tank to grade* _____ in

Add 30" for "T" probe assy. 30 in

Total tubing to assemble — approximate 15 in

20. EXTENSION HOSE SETTING

Tank top to grade* _____ in.

Extend hose on suction tube 6" or more below tank top ✓ in.

*If Fill pipe extends above grade, use top of fill.

22. Thermal-Sensor reading after circulation 17346 digits

75/76 °F Between

23. Digits per °F in range of expected change 319 digits

COEFFICIENT OF EXPANSION (Complete after circulation)

24a. Corrected A.P.I. Gravity

Observed A.P.I. Gravity _____

Hydrometer employed _____ H

Observed Sample Temperature _____ °F

Corrected A.P.I. Gravity @ 60°F, From Table A _____

Coefficient of Expansion for Involved Product From Table B _____

Transfer COE to Line 25b.

21. VAPOR RECOVERY SYSTEM [ ] Stage I [ ] Stage II None

24b. COEFFICIENT OF EXPANSION RECIPROCAL METHOD

Type of Product Reg

Hydrometer Employed 7 H

Temperature in Tank After Circulation 75.2 °F

Temperature of Sample 76 °F

Difference (+/-) +1 °F

Observed A.P.I. Gravity 65.4

Reciprocal 1404 Page # 69

6058 (Total quantity in full tank (16 or 17)) ÷ 1404 (Reciprocal) = 4.3148 (Volume change in this tank per °F)

Transfer to Line 26a

24c. FOR TESTING WITH WATER see Table C & D

Water Temperature after Circulation Table C _____ °F

Coefficient of Water Table D _____

Added Surfactant? [ ] Yes [ ] No Transfer COE to Line 25b.

25. (a) _____ Total quantity in full tank (16 or 17) × (b) _____ Coefficient of expansion for involved product = (c) _____ Volume change in this tank per °F gallons

26. (a) 4.314814814 Volume change per °F (25 or 24b) ÷ 319 Digits per °F in test Range (23) = .013526065 Volume change per digit Compute to 4 decimal places. This is test factor (a) .0135

LOC# 62838

27. Sensor Calibration 16582, 16584 — LOG OF TEST PROCEDURES			30. HYDROSTATIC PRESSURE CONTROL		31. VOLUME MEASUREMENTS (V) RECORD TO .001 GAL.			34. TEMPERATURE COMPENSATION USE FACTOR (a)			38. NET VOLUME CHANGING EACH READING	39. ACCUMULATED CHANGE
28. DATE 7-13 TIME (24 hr.)	Record details of setting up and running test. (Use full length of line if needed.)	29. Reading No.	Standpipe Level in Inches: Beginning of Reading	Standpipe Level in Inches: Level to which Restored	32. Product in Graduate: Before Reading	32. Product in Graduate: After Reading	33. Product Replaced (–): Product Recovered (+)	35. Thermal Sensor Reading	36. Change Higher + Lower – (c)	37. Computation (c) = (a) × Expansion + Contraction –	Temperature Adjustment: Volume Minus-Expansion (+) or Contraction (–) #33(V) – #37(T)	At Low Level compute Change per Hour (NFPA criteria)
:45	Start Circulation											
:10	Took API Sample											
:15	Perform AL Test	1		42.0		.590		17346				
:2	"	2	41.6	42.0	.590	.580	-.010	357	+11	+.149	-.159	
:5	"	3	42.0	42.0	.580	.580	+.000	363	+6	+.081	-.081	
:00	"	4	42.3	42.0	.580	.600	+.020	370	+7	+.095	-.075	
:15	"	5	42.7	42.0	.600	.640	+.040	376	+6	+.081	-.041	
:30	"	6	43.0	42.0	.640	.700	+.060	383	+7	+.095	-.035	
:45	"	7	43.3	42.0	.700	.780	+.080	390	+7	+.095	-.015	
:00	"	8	43.3	42.0	.780	.860	+.080	396	+6	+.081	-.001	
:05	Drop to LL			12.0		.270						
:15	Perform LL Test	9	13.4	12.0	.270	.360	+.090	402	+6	+.081	+.009	
:30	"	10	13.4	12.0	.360	.450	+.090	409	+7	+.095	-.005	
:45	"	11	13.3	12.0	.450	.630	+.080	415	+6	+.081	-.001	
:00	"	12	13.3	12.0	.530	.610	+.080	421	+6	+.081	-.001	-.005
:15	"	13	13.1	12.0	.610	.680	+.070	426	+5	+.068	+.002	
	Pumps disconnected at islands and lines capped at island											

.083 gals/hr

KENNCO | NORTH 1ST ST. | SENECA | SC | 4-12-88

Name of Supplier, Owner or Dealer | Address No and Street(s) | City | State | Date of Test

15. TANK TO TEST

1ST from STREET
Identity by position

Regular
Brand and Grade

15a. BRIEF DIAGRAM OF TANK FIELD

16. CAPACITY

Nominal Capacity 6,000 Gallons

By most accurate capacity chart available 6,048 Gallons

From
- [x] Station Chart
- [ ] Tank Manufacturer's Chart
- [ ] Company Engineering Data
- [ ] Charts supplied with
- [ ] Other

17. FILL-UP FOR TEST

Stick Water Bottom before Fill-up 0 in. to ¼"

0 Gallons

96" in. Tank Diameter

	Gallons	Total Gallons as Reading
Inventory 96"		6,048
H_2O		0
Top Off		+10
	Transfer total to line 25a	6058

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK

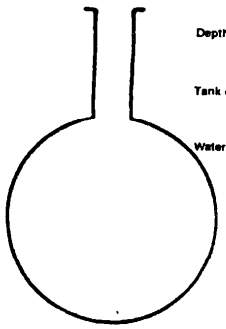
- [ ] Water in tank
- [ ] Line(s) being tested with LVLLT
- [ ] High water table in tank excavation

See manual sections applicable. Check below and record procedure in log (27).

Use maximum allowable test pressure for all tests.
Four pound rule does not apply to doublewalled tanks.

Complete section below:

1. Is four pound rule required? Yes [ ] No [X]
2. Height to 12" mark from bottom of tank _____ in.
3. Pressure at bottom of tank _____ P.S.I.
4. Pressure at top of tank _____ P.S.I.



Depth of burial _____ in.

Tank dia. _____ in.

Water table _____ in.

NOTES:

The above calculations are to be used for dry soil conditions to establish a positive pressure advantage, or when using the four pound rule to compensate for the presence of subsurface water in the tank area.

Refer to N.F.P.A. 30, Sections 2-3.2.4 and 2-7.2 and the tank manufacturer regarding allowable system test pressures.

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY

Bottom of tank to grade* _____ in.
Add 30" for "T" probe assy. 30 in.
Total tubing to assemble — approximate 15' in.

20. EXTENSION HOSE SETTING

Tank top to grade* _____ in.
Extend hose on suction tube 6" or more below tank top _____ in.
*If Fill pipe extends above grade, use top of fill

22. Thermal-Sensor reading after circulation 19164 digits

23. Digits per °F in range of expected change 74/75 °F Between 321 digits

COEFFICIENT OF EXPANSION (Complete after circulation)

24a. Corrected A.P.I. Gravity

Observed A.P.I. Gravity _____

Hydrometer employed _____ H

Observed Sample Temperature _____ °F

Corrected A.P.I. Gravity @ 60°F, From Table A _____

Coefficient of Expansion for Involved Product From Table B _____

Transfer COE to Line 25b.

21. VAPOR RECOVERY SYSTEM [ ] Stage I [ ] Stage II NONE

24b. COEFFICIENT OF EXPANSION RECIPROCAL METHOD

Type of Product Reg

Hydrometer Employed 7 H

Temperature in Tank After Circulation 74.6 °F

Temperature of Sample 76 °F

Difference (+/-) +1 °F

Observed A.P.I. Gravity 65.6

Reciprocal 1402 Page # 69

6058 (Total quantity in full tank (16 or 17)) × 1402 (Reciprocal) = 4.32097 (Volume change in this tank per °F) 2

Transfer to Line 26a

24c. FOR TESTING WITH WATER see Table C & D

Water Temperature after Circulation Table C _____ °F

Coefficient of Water Table D _____

Added Surfactant? [ ] Yes [ ] No Transfer COE to Line 25b.

25. (a) _____ (Total quantity in full tank (16 or 17)) × (b) _____ (Coefficient of expansion for involved product) = (c) _____ gallons (Volume change in this tank per °F)

26. (a) 4.32097002/2 (Volume change per °F (25 or 24b)) × .321 (Digits per °F in test Range (23)) = .013860965 (Volume change per digit) This is test .0135

27. Sensor Calibration 16592 / +8			30. HYDROSTATIC PRESSURE CONTROL		31. VOLUME MEASUREMENTS (V) RECORD TO .001 GAL.			34. TEMPERATURE COMPENSATION USE FACTOR (a) .0135			38. NET VOLUME CHANGING EACH READING	39. ACCUMULATED CHANGE
LOG OF TEST PROCEDURES												
28. DATE 9-12 TIME (24 hr.)	Record details of setting up and running test. (Use full length of line if needed.)	29. Reading No.	Standpipe Level in Inches: Beginning of Reading	Standpipe Level in Inches: Level to which Restored	32. Product in Graduate: Before Reading	32. Product in Graduate: After Reading	33. Product Replaced (-) / Product Recovered (+)	35. Thermal Sensor Reading	36. Change Higher + Lower - (c)	37. Computation (c) = (a) = Expansion + Contraction -	Temperature Adjustment: Volume Minus Expansion (+) or Contraction (-) #33(V) — #37(T)	Low Level compute Change per Hour (NFPA criteria)
00	Start Circulation											
35	Take Sample											
45	Perform High Level Test	1		42.0		.640		17176				
00	"	2	39.0	42.0	.640	.470	-.170	184	+8	+.108	-.278	
15	"	3	36.9	42.0	.470	.100	-.370	198	+14	+.189	-.559	
30	"	4	37.0	42.0	.970	.610	-.360	208	+10	+.135	-.495	
45	"	5	38.0	42.0	.610	.310	-.300	217	+9	+.122	-.422	
00	"	6	38.0	42.0	.950	.670	-.280	225	+8	+.108	-.388	
15	"	7	38.1	42.0	.670	.400	-.270	235	+10	+.135	-.405	
30	"	8	38.3	42.0	.400	.140	-.260	244	+9	+.122	-.382	
35	Drop To Low Level			12.0		.850						
45	Perform Low Level Test	9	11.0	12.0	.850	.770	-.080	247	+3	+.041	-.121	
00	"	10		12.0								
15	"	11		12.0								
30	"	12		12.0								
45	"	13		12.0								
30	HL Reading	1		42.0		1.000		306				
		2	39.3	42.0	1.000	.810	-.190	301	-5	-.068	-.122	
		3	40.0	42.0	.810	.660	-.150	302	+1	+.014	-.164	
	Drop To Low Level					.340						
		1	12.0	12.0	.340	.340	+.000	302	+0	+.000	+.000	
		2	12.0	12.0	.340	.340	+.000	303	+1	+.014	-.014	
		3	12.1	12.0	.340	.350	+.010	304	+1	+.014	-.004	
		4	12.2	12.0	.350	.370	+.020	305	+1	+.014	+.006	-.008
		5	12.2	12.0	.370	.390	+.020	306	+1	+.014	+.006	Gals/Hr
	Tank within Acceptable Tolerances						-					

Disconnected (Both Suction Lines only)

Name of Supplier, Owner or Dealer | Address No. and Street(s) | City | State | Date of Test

15. TANK TO TEST

1st from St.
Identity by position

Reg.
Brand and Grade

15a. BRIEF DIAGRAM OF TANK FIELD

See other chart

16. CAPACITY

Nominal Capacity 6000 Gallons

By most accurate capacity chart available 6048 Gallons

From
- [X] Station Chart
- [ ] Tank Manufacturer's Chart
- [ ] Company Engineering Data
- [ ] Charts supplied with
- [ ] Other

17. FILL-UP FOR TEST

Stick Water Bottom before Fill-up -0- in. to ¼"

-0- Gallons

96" Tank Diameter in.

	Gallons	Total Gallons ea. Reading
Inventory 96"		6048
H_2O		-0-
Top Off		+10
96"		6058
	Transfer total to line 25a	

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK

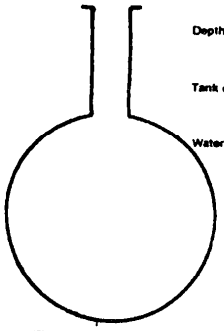
- [ ] Water in tank
- [ ] Line(s) being tested with LVLLT
- [ ] High water table in tank excavation

See manual sections applicable. Check below and record procedure in log (27).

Use maximum allowable test pressure for all tests.
Four pound rule does not apply to doublewalled tanks.

Complete section below:

1. Is four pound rule required? Yes [ ] No [X]
2. Height to 12" mark from bottom of tank _____ in.
3. Pressure at bottom of tank _____ P.S.I.
4. Pressure at top of tank _____ P.S.I.



Depth of burial _____ in.

Tank dia. _____ in.

Water table _____ in.

NOTES:

The above calculations are to be used for dry soil conditions to establish a positive pressure advantage, or when using the four pound rule to compensate for the presence of subsurface water in the tank area.

Refer to N.F.P.A. 30, Sections 2-3.2.4 and 2-7.2 and the tank manufacturer regarding allowable system test pressures.

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY

Bottom of tank to grade* _____ in.
Add 30" for "T" probe assy. 30 in.
Total tubing to assemble — approximate 15' in.

20. EXTENSION HOSE SETTING

Tank top to grade* _____ in.
Extend hose on suction tube 6" or more below tank top ✓ in.
*If Fill pipe extends above grade, use top of fill.

22. Thermal-Sensor reading after circulation 16634 digits

23. Digits per °F in range of expected change 73/74 °F Between = 322 digits

COEFFICIENT OF EXPANSION (Complete after circulation)

24a. Corrected A.P.I. Gravity

Observed A.P.I. Gravity _____

Hydrometer employed _____ H

Observed Sample Temperature _____ °F

Corrected A.P.I. Gravity @ 60°F, From Table A _____

Coefficient of Expansion for Involved Product From Table B _____

Transfer COE to Line 25b.

21. VAPOR RECOVERY SYSTEM [ ] Stage I [ ] Stage II

24b. COEFFICIENT OF EXPANSION RECIPROCAL METHOD

Type of Product Regular

Hydrometer Employed 7 H

Temperature in Tank After Circulation 73.0 °F

Temperature of Sample 69 °F

Difference (+/-) -4 °F

Observed A.P.I. Gravity 42.0

Reciprocal 1390 Page # 70

6058 (Total quantity in full tank (18 or 17)) × 1390 (Reciprocal) = 4.35827338 (Volume change in this tank per °F)

Transfer to Line 26a.

24c. FOR TESTING WITH WATER see Table C & D

Water Temperature after Circulation Table C _____ °F

Coefficient of Water Table D _____

Added Surfactant? [ ] Yes [ ] No Transfer COE to Line 25b.

25. (a) _____ (Total quantity in full tank (18 or 17)) × (b) _____ (Coefficient of expansion for involved product) = (c) _____ gallons (Volume change in this tank per °F)

26. (a) 4.35827338 (Volume change per °F (25 or 24b)) × 322 (Digits per °F in test Range (23)) = .01353501 (Volume change per digit Compute to 4 decimal places.) This is test factor (a)

.0135

LOG OF TEST PROCEDURES

28. DATE / TIME (24 hr.)	Record details of setting up and running test. (Use full length of line if needed.)	29. Reading No.	Standpipe Level in Inches: Beginning of Reading	Standpipe Level in Inches: Level to which Restored	32. Product in Graduate: Before Reading	32. Product in Graduate: After Reading	33. Product Replaced (-): Product Recovered (+)	35. Thermal Sensor Reading	36. Change Higher + Lower - (c)	37. Computation (c) = (a) + Expansion + Contraction -	Temperature Adjustment: Volume Minus Expansion (+) or Contraction (-) #33(V) — #37(T)	At Low Level compute Change per Hour (NFPA criteria)
:00	Start Circulation											
:25	Took API Sample											
:00	Perform HL Test	1		42.0		.730		16674				
:15	"	2	38.2	42.0	.730	.430	-.300	718	+34	+.459	-.759	
:30	"	3	38.0	42.0	.820	.510	-.310	741	+23	+.311	-.621	
:45	"	4	38.1	42.0	.920	.630	-.290	762	+21	+.284	-.574	
:00	"	5	38.2	42.0	.630	.330	-.300	781	+19	+.257	-.557	
:15	"	6		42.0								
:30	"	7		42.0								
:45	"	8		42.0								
:50	Drop to LL			12.0		.840						
:10	Perform LL Test	9	11.6	12.0	.840	.790	-.050	797	+16	+.216	-.266	
:15	"	10	10.8	12.0	.790	.690	-.100	815	+18	+.243	-.343	
:30	"	11		12.0		STOP	Test,	Vent	+	Sudian		
:45	"	12		12.0		Line	Leaking					
:00	"	13		12.0								

.0135

Name of Supplier, Owner or Dealer | Address (No. and Street) | City | State | Date of Test

15. TANK TO TEST
1st from St.
Identity by position
Regular
Brand and Grade

15a. BRIEF DIAGRAM OF TANK FIELD

16. CAPACITY
Nominal Capacity 6000 Gallons
By strict volumetric capacity chart available 6048 Gallons

Print:
- ☒ Station Chart
- ☐ Tank Manufacturer's Chart
- ☐ Company Engineering Data
- ☐ Charts supplied with
- ☐ Other

17. FILL-UP FOR TEST

Stick Water Bottom before Fill-up	Gallons	Tank Diameter	Sounding	Gallons	Total Gallons vs. Sounding
-0- in ½"	-0-	96" in.	96"		6048
			H_2O		-0-
			Top Off		712
			961		6058
				Transfer total to line 25a	

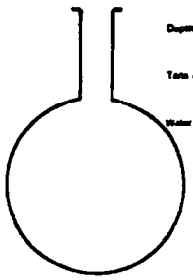
18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK ☐ Water in tank ☐ Line(s) being tested with LVLAT ☐ High water table in tank excavation

See manual sections applicable. Check below and record procedure in log (27).

Use maximum allowable test pressure for all tests. Four pound rule does not apply to double-walled tanks.

Complete section below

1. Is four pound rule required? Yes ☐ No ☒
2. Height in 12" mark from bottom of tank _____ in.
3. Pressure at bottom of tank _____ P.S.I.
4. Pressure at top of tank _____ P.S.I.



The above calculations are to be used for dry soil conditions to establish a positive pressure advantage, or when using the four pound rule to compensate for the presence of subsurface water in the tank area.

Refer to N.F.P.A. 30, Sections 2-3.2.4 and 2-7.2 and the tank manufacturer regarding allowable system test pressure.

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY
Bottom of tank to grade* _____ in.
Add 30" for "T" probe assy. 30 in.
Total tubing to immersion — approximate 15' in.

20. EXTENSION HOSE SETTING
Tank top to grade* _____ in.
Extend hose on suction tube 6" or more ✓
Below tank top _____ in.
*If Fill pipe extends above grade, use top of fill.

22. Thermal-Sensor reading after circulation 17876 (temp) 76.77 °F

23. Digits per °F in range of expected change 319 digits

COEFFICIENT OF EXPANSION (Complete after circulation)

24a. Corrected A.P.I. Gravity
Observed A.P.I. Gravity _____
Hydrometer employed _____ H
Observed Sample Temperature _____ °F
Corrected A.P.I. Gravity @ 60°F. From Table A _____
Coefficient of Expansion for Involved Product From Table B _____
Transfer COE to Line 26b.

21. VAPOR RECOVERY SYSTEM ☐ Stage I ☐ Stage II None

24b. COEFFICIENT OF EXPANSION RECIPROCAL METHOD
Type of Product Regular
Hydrometer Employed 7 H
Temperature in Tank After Circulation 76.8 °F
Temperature of Sample 78° °F
Difference (+/-) +1 °F
Observed A.P.I. Gravity 66.6
Reciprocal 1391 Page # 70
6058 (Total quantity in full tank (16 or 17)) · 1391 (Reciprocal) · 4355140186 (Volume change in this tank per °F)
Transfer to Line 26a.

24c. FOR TESTING WITH WATER see Table C & D
Water Temperature after Circulation Table C _____ °F
Coefficient of Water Table D _____
Added Surfactant? ☐ Yes ☐ No Transfer COE to Line 26b.

25. (a) _____ (Total quantity in full tank (16 or 17)) × (b) _____ (Coefficient of expansion for involved product) × (c) _____ (Volume change in this tank per °F) gallons

26. (a) 4355140186 (Volume change per °F (25c or 24b)) · 319 (Digits per °F in this Range (23)) · .013652477 (Volume change per digit. Compute to 4 decimal places.) This is test factor (e) .0137

27. LOG OF TEST PROCEDURES
Sensor Calibration 165 in 1.589 · 2

28. DATE / TIME (24 hr.)	Record details of setting up and reviewing test (Use full length of line if needed.)	29. Reading No.	30. HYDROSTATIC PRESSURE CONTROL: Standpipe Level at Inches — Beginning of Reading	Level to which Restored	31. VOLUME MEASUREMENTS (V) RECORD TO .001 GAL.: 32. Product in Graduate — Before Reading	After Reading	33. Product Replaced (+) — Product Recovered (+)	34. TEMPERATURE COMPENSATION USE FACTOR (a): 35. Thermal Sensor Reading	36. Change Higher + Lower - (d)	37. Compensation (d) × (a) = Expansion + Contraction -	38. NET VOLUME CHANGING EACH READING: Temperature Adjustment — Volume Minus Expansion (+) or Contraction (+) (32(1) — 32(7))	39. ACCUMULATED CHANGE: At Low Level compute Change per Hour (NFPA or owner)
:00	Start Circulation											
:55	Take API Sample											
:00	Perform HL Test	1		42.0		.990		17876				
:15	"	2	39.1	42.0	.990	.440	-.550	860	-16	-.219	-.331	
:30	"	3	37.2	42.0	.990	.630	-.340	866	+6	+.082	-.422	
:45	"	4	36.9	42.0	.630	.290	-.350	869	+3	+.041	-.391	
:00	"	5		42.0		STOP		Test		Leak in		
:15	"	6		42.0		See	90	Pump		#1		
:30	"	7		42.0								
:45	"	8		42.0								
:50	Drop to LL			12.0								
:00	Perform LL Test	9		12.0								
:15	"	10		12.0								
:30	"	11		12.0								
:45	"	12		12.0								
:00	"	13		12.0								

P-T Tank Test Data Chart
Additional Info

1 Net Volume Change at Conclusion of Precision T _____ gal.

Signature of Tester _____

Date _____

2 Statement:

☐ Tank and product handling system has been tested tight according to the Precision Test Criteria as established by N.F.P.A. publication 329. This is not intended to indicate permission of a test.

OR

☐ Tank and product handling system has failed the tank tightness test according to the Precision Test Criteria as established by N.F.P.A. publication 329.

It is the responsibility of the owner and/or operator of this system to immediately advise state and local authorities of any implied hazard and the possibility of any reportable pollution to the environment as a result of the indicated failure of the system. Health Consultants Incorporated does not assume any responsibility or liability for any loss of product to the environment.

Tank Owner/Operator _____

Need report in writing
- Boring logs (vapor readings?, analyses)

9-9-88

Phone call from Scott Young (IT Corporation) (615) 690-3211 in regard to 1400 gallon overfill into broken vent line. The following information was obtained:

- Location: Red Diamond Station
  N.W. First St.
  Seneca, S.C.

UST DOCKETING

- piping repaired

- 10 yd³ soil removed to landfill (per coordination with M. Harvley)

relationship to excavation area?

- 2 borings to rock (55'30'), to be abandoned today (grouted)

- excavation to be backfilled w/ clean fill

Depth to W.T.?

- fresh gasoline odor detected in first 20' of boring (at boring in spill area) and old gasoline smell in 20'-30' interval.

- Scott Young said they could not drill into rock with rig on site and would like to pave over the area

??

- I told him that the project hydrogeologist would call him on Monday (at his office) and that I didn't want to speculate on what we would require regarding reaching groundwater.

D Dann

9-12-86

628-38

AcuTest

628-38

ACUTEST

ACUTEST CORPORATION 1141 BRITTMOORE ROAD HOUSTON, TEXAS 77043
(713) ACU-TEST (800) 992-8884 FAX: (713) 465-7177

March 8. 1989

Mr. J. Jonathon Dow
Environmental Director
Majik Markets
1860-74 Peachtree Road. N.W.. P.O. Box 7701
Station C.
Atlanta. Georgia. 30357

Test : 890227
Test Date : February 27. 1989
Location : Red Diamond Station. 800 N.W. First St.
Seneca. South Carolina

Dear Mr. Dow.

A tank integrity test was performed on storage tanks at the above location using the LEAK COMPUTER SYSTEM. This test was performed in accordance with NFPA-329-87 and USEPA 40 CFR part 280 (applicable precision test requirements). AcuTest is capable of detecting a 0.05 gallon per hour leak rate at the 99% confidence level from any portion of the tank that routinely contains product while accounting for the effects of thermal expansion or contraction of the product. vapor pockets. tank deformation. evaporation or condensation. and the location of the water table.

The results of the tests are given below and indicate whether the full system. including the tanks and associated piping. or only the tank. passed or failed the integrity criteria. Included with our report is the computer printout of the test data. indicating the average leak rate and the confidence level (three times standard deviation) for that leak rate. This information is stored in a permanent file if future verification is needed to confirm the tank integrity at the time of the test.

TEST RESULTS

GRADE	TANK VOLUME (GALS)	HIGH LEVEL LEAK RATE (GPH)	LOW LEVEL LEAK RATE (GPH)	TANK & PIPING	TANK ONLY
NO LEAD	4.016	-0.01 @ 47"	0.00 @ 25"	PASS	PASS
PREMIUM	4.016	0.03 @ 23"	-0.04 @ 7"	PASS	PASS
REGULAR	6.048	0.05 @ 24"	INCONCLUSIVE**	PASS	PASS

Test : 890227
Test Date : February 27. 1989
Location : Red Diamond Station. Seneca. South Carolina

COMMENTS : ** The low level test results of the REGULAR tank are inconclusive due to the presence of vapor pockets. The absence of any water in the tank supports our interpretation of a tight tank. (Invalid assumption)

ALL SYSTEMS WERE RETURNED TO NORMAL OPERATION.
THANK YOU FOR YOUR BUSINESS.

Quality Assurance By:

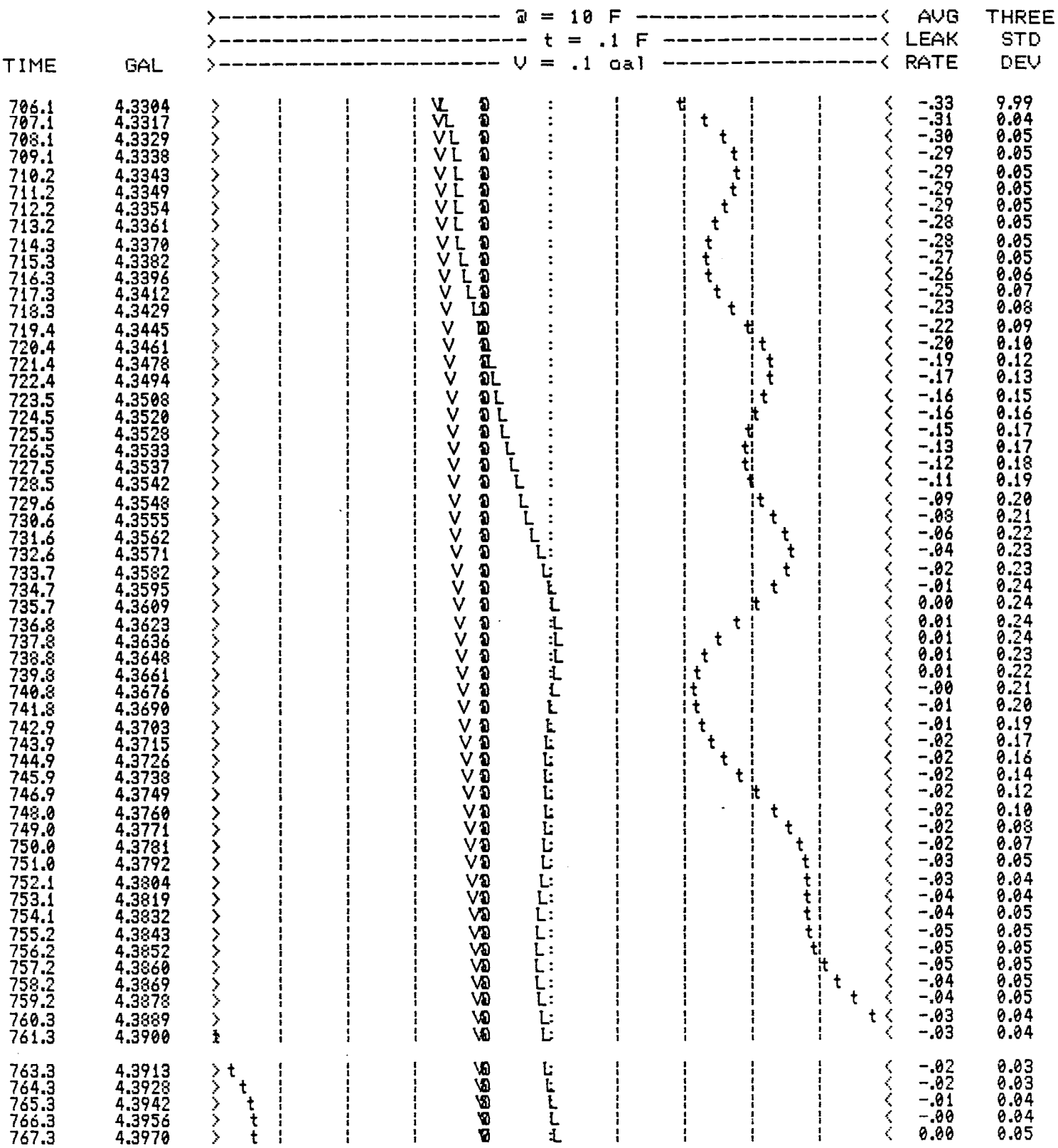
Steven L. Barbee
A/T 015

Sincerely.

Robert G. Mc Kinney
T/A 004

STRIP CHART FOR DATA RECORD: 89022702.A47 OF 4016 GALLON NOLEAD TANK
LOCATION: RED DIAMOND 800 NW. IST. SENECA S.C. TEST OPERATOR: EDDIE ADAMS

LEAK RATE AVG OF 20 CYCLES LINE FEED: 7.5 IN/HR
DENSITY: .74 TANK TEMP @ START: 54 F COE: .00069

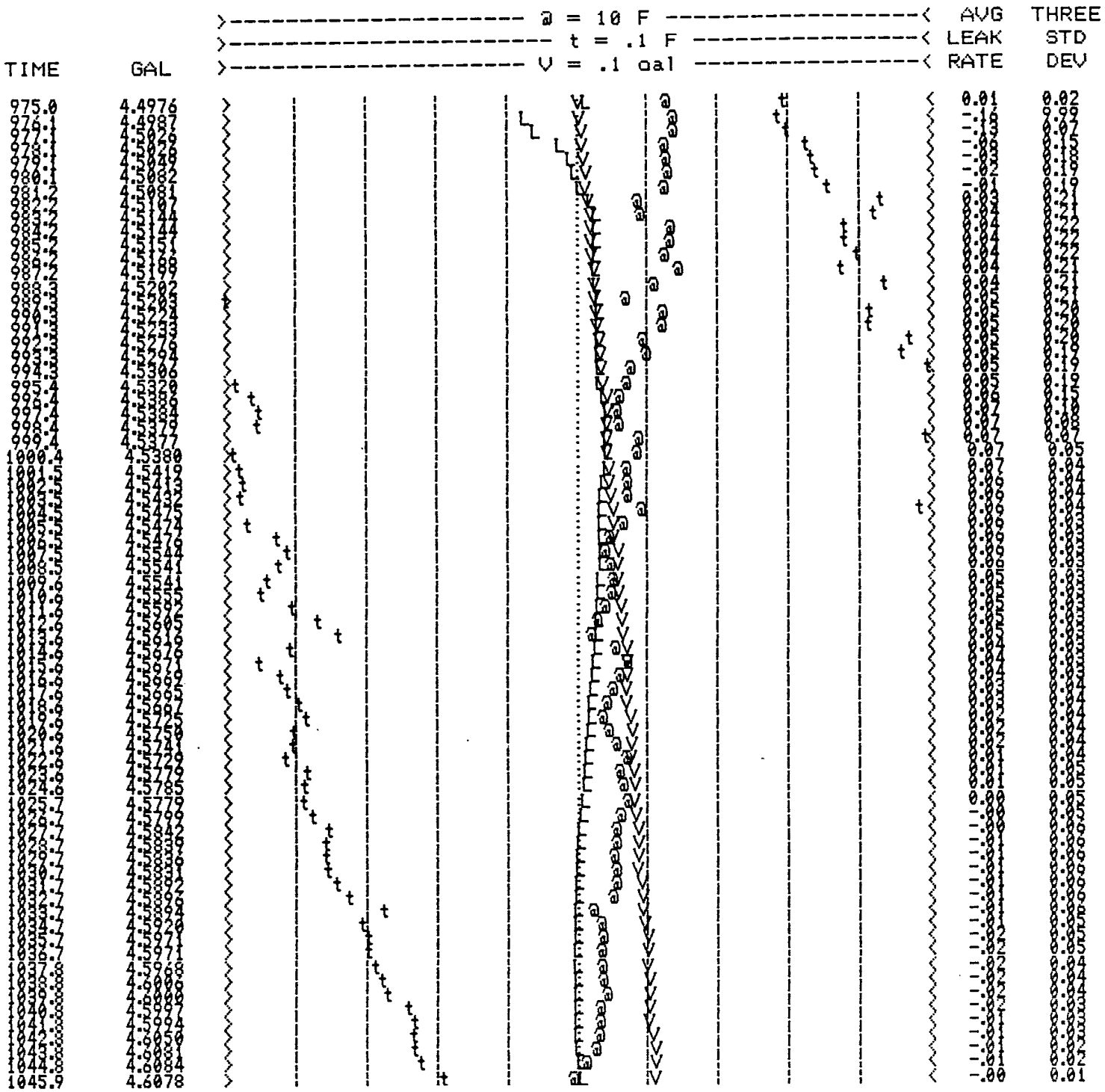


TIME	GAL	AVG LEAK RATE	THREE STD DEV
706.1	4.3304	-.33	9.99
707.1	4.3317	-.31	0.04
708.1	4.3329	-.30	0.05
709.1	4.3338	-.29	0.05
710.2	4.3343	-.29	0.05
711.2	4.3349	-.29	0.05
712.2	4.3354	-.29	0.05
713.2	4.3361	-.28	0.05
714.3	4.3370	-.28	0.05
715.3	4.3382	-.27	0.05
716.3	4.3396	-.26	0.06
717.3	4.3412	-.25	0.07
718.3	4.3429	-.23	0.08
719.4	4.3445	-.22	0.09
720.4	4.3461	-.20	0.10
721.4	4.3478	-.19	0.12
722.4	4.3494	-.17	0.13
723.5	4.3508	-.16	0.15
724.5	4.3520	-.16	0.16
725.5	4.3528	-.15	0.17
726.5	4.3533	-.13	0.17
727.5	4.3537	-.12	0.18
728.5	4.3542	-.11	0.19
729.6	4.3548	-.09	0.20
730.6	4.3555	-.08	0.21
731.6	4.3562	-.06	0.22
732.6	4.3571	-.04	0.23
733.7	4.3582	-.02	0.23
734.7	4.3595	-.01	0.24
735.7	4.3609	0.00	0.24
736.8	4.3623	0.01	0.24
737.8	4.3636	0.01	0.24
738.8	4.3648	0.01	0.23
739.8	4.3661	0.01	0.22
740.8	4.3676	-.00	0.21
741.8	4.3690	-.01	0.20
742.9	4.3703	-.01	0.19
743.9	4.3715	-.02	0.17
744.9	4.3726	-.02	0.16
745.9	4.3738	-.02	0.14
746.9	4.3749	-.02	0.12
748.0	4.3760	-.02	0.10
749.0	4.3771	-.02	0.08
750.0	4.3781	-.02	0.07
751.0	4.3792	-.03	0.05
752.1	4.3804	-.03	0.04
753.1	4.3819	-.04	0.04
754.1	4.3832	-.04	0.05
755.2	4.3843	-.05	0.05
756.2	4.3852	-.05	0.05
757.2	4.3860	-.05	0.05
758.2	4.3869	-.04	0.05
759.2	4.3878	-.04	0.05
760.3	4.3889	-.03	0.04
761.3	4.3900	-.03	0.04
763.3	4.3913	-.02	0.03
764.3	4.3928	-.02	0.03
765.3	4.3942	-.01	0.04
766.3	4.3956	-.00	0.04
767.3	4.3970	0.00	0.05

END OF STRIP CHART 89022702.A47
DATA COLLECTED ON LEAK COMPUTER S/N 87091108

STRIP CHART FOR DATA RECORD: 89022708.A25 OF 4016 GALLON NOLEAD TANK
LOCATION: RED DIAMOND 800 NW. IST. SENECA S.C. TEST OPERATOR: EDDIE ADAMS

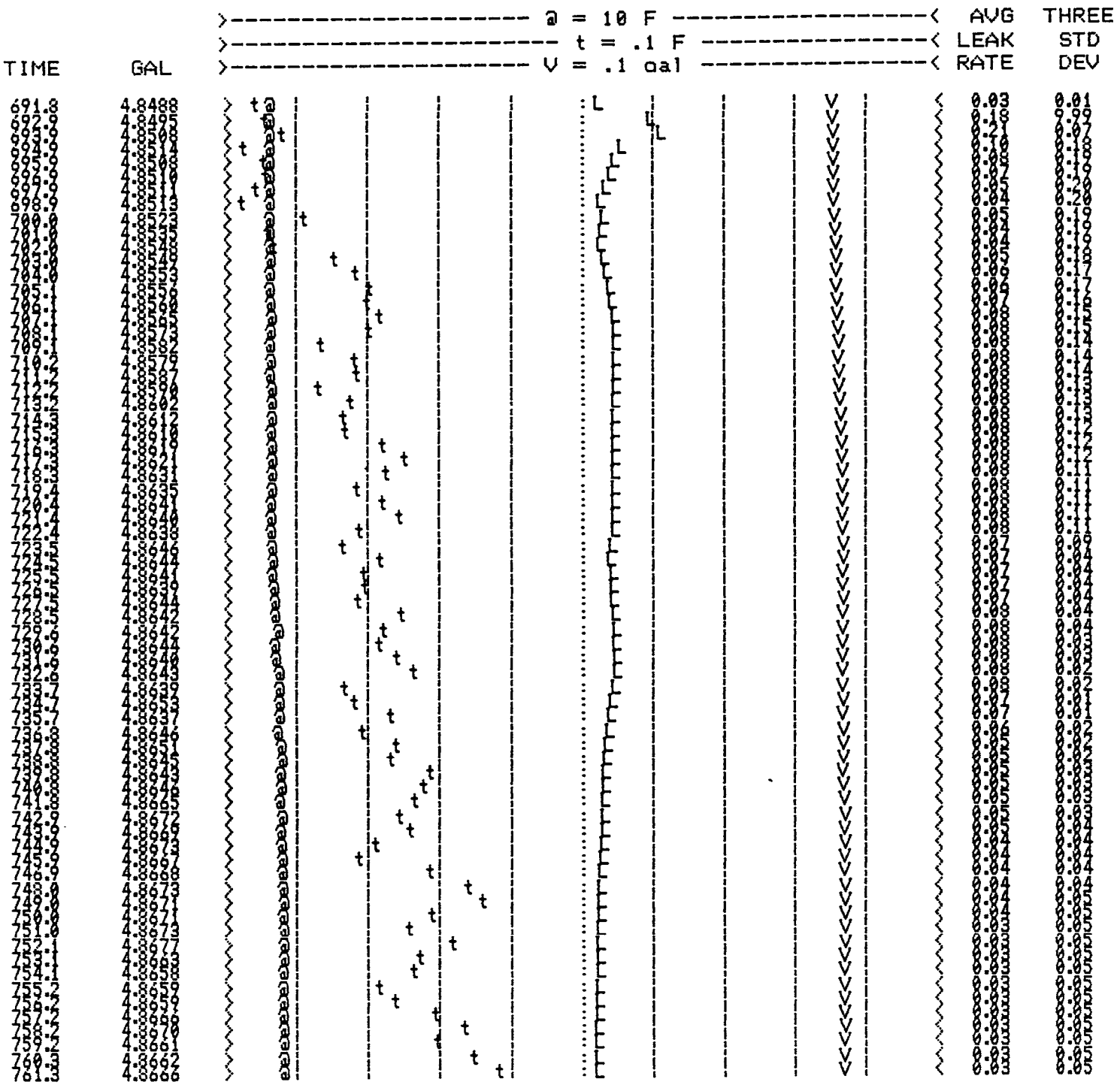
LEAK RATE AVG OF 20 CYCLES: LINE FEED: 6 IN/HR: TOTAL TEST TIME: 242.1 MIN
DENSITY: .75 TANK TEMP @ START: 66 F COE: .000692



END OF STRIP CHART 89022708.A25
DATA COLLECTED ON LEAK COMPUTER S/N 87091108

STRIP CHART FOR DATA RECORD: 89022705.B23 OF 4016 GALLON PREM. TANK
LOCATION: RED DIAMOND 800 NW. IST. SENECA S.C. TEST OPERATOR: EDDIE ADAMS

LEAK RATE AVG OF 30 CYCLES: LINE FEED: 6 IN/HR: TOTAL TEST TIME: 82.6 MIN
DENSITY: .73 TANK TEMP @ START: 60 F COE: .000685



END OF STRIP CHART 89022705.B23
DATA COLLECTED ON LEAK COMPUTER S/N 87091108

STRIP CHART FOR DATA RECORD: 89022707.B07 OF: 4016 GALLON PREM. TANK
LOCATION: RED DIAMOND 800 NW. IST. SENECA S.C. TEST OPERATOR: EDDIE ADAMS

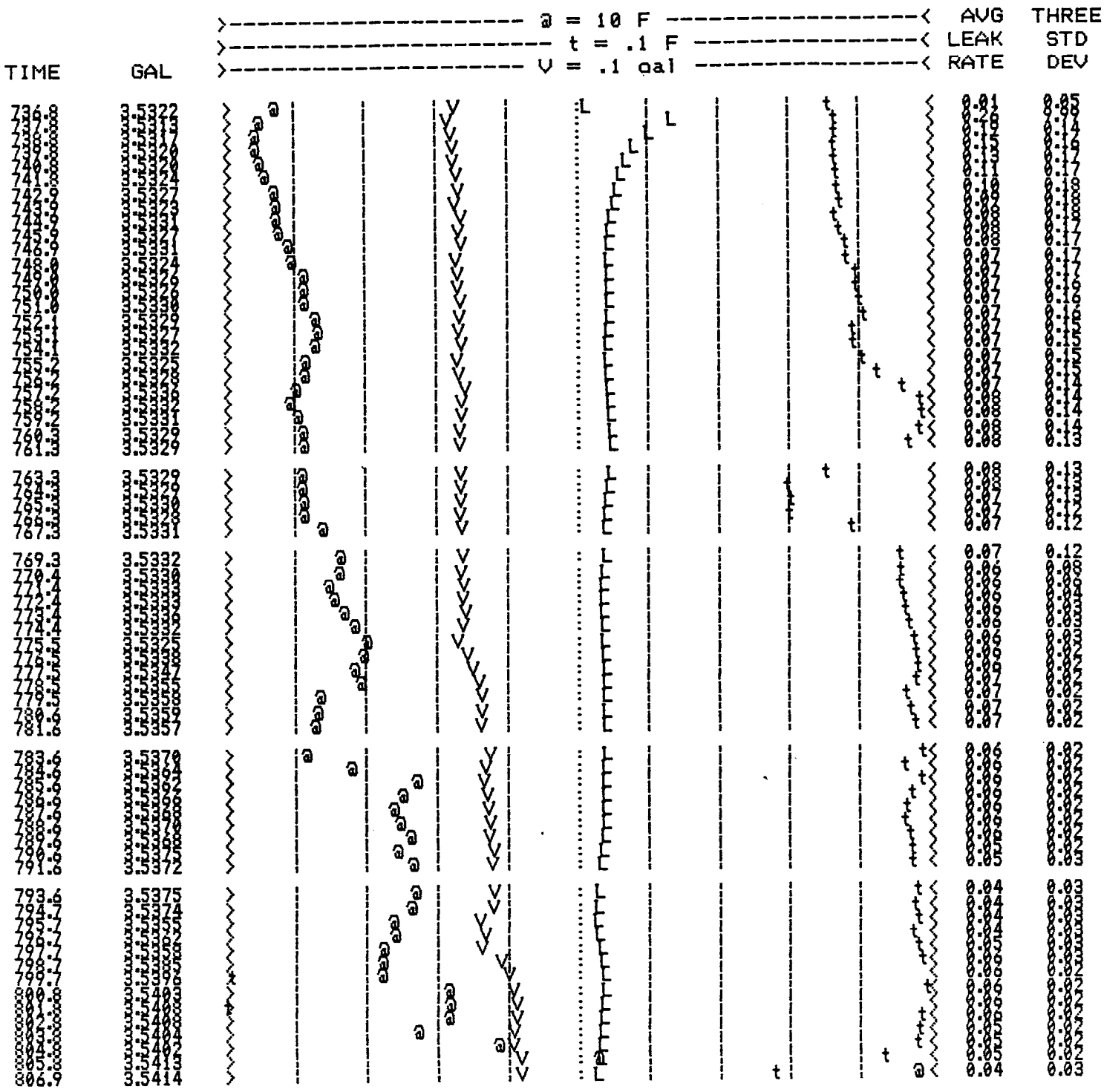
LEAK RATE AVG OF 20 CYCLES LINE FEED: 7.5 IN/HR
DENSITY: .73 TANK TEMP @ START: 0 F COE: .000695

TIME	GAL	>---------- @ = 10 F ----------<	>---------- t = .1 F ----------<	>---------- V = .1 gal ----------<	AVG LEAK RATE	THREE STD DEV
1024.6	5.2447	V	L	t	-.14	9.99
1025.7	5.2459	V	L	t	-.14	0.00
1026.7	5.2435	V	L	t	-.14	0.00
1027.7	5.2371	V	L	t	-.14	0.01
1028.7	5.2298	V	L	t	-.13	0.01
1029.7	5.2232	V	L	t	-.12	0.02
1030.7	5.2190	V	L	t	-.12	0.03
1031.7	5.2165	V	L	t	-.11	0.03
1032.7	5.2154	V	L	t	-.11	0.04
1033.7	5.2152	V	L	t	-.10	0.04
1034.7	5.2156	V	L	t	-.10	0.05
1035.7	5.2164	V	L	t	-.09	0.05
1036.7	5.2174	V	L	t	-.09	0.06
1037.8	5.2187	V	L	t	-.09	0.06
1038.8	5.2200	V	L	t	-.08	0.06
1039.8	5.2216	V	L	t	-.08	0.07
1040.8	5.2236	V	L	t	-.08	0.07
1041.8	5.2262	V	L	t	-.07	0.07
1042.8	5.2292	V	L	t	-.07	0.07
1043.8	5.2324	V	L	t	-.07	0.08
1044.8	5.2355	V	L	t	-.06	0.08
1045.9	5.2387	V	L	t	-.06	0.07
1046.9	5.2420	V	L	t	-.05	0.07
1047.9	5.2454	V	L	t	-.05	0.07
1049.9	5.2483	V	L	t	-.05	0.07
1050.9	5.2506	V	L	t	-.05	0.07
1051.9	5.2523	V	L	t	-.05	0.06
1052.9	5.2539	V	L	t	-.05	0.06
1053.9	5.2560	V	L	t	-.05	0.06
1055.0	5.2588	V	L	t	-.05	0.05
1056.0	5.2622	V	L	t	-.05	0.05
1057.0	5.2657	V	L	t	-.06	0.04
1058.0	5.2692	V	L	t	-.06	0.04
1059.0	5.2716	V	L	t	-.07	0.04
1060.0	5.2691	V	L	t	-.07	0.03
1061.0	5.2592	V	L	t	-.08	0.03
1062.1	5.2412	V	L	t	-.08	0.04
1063.1	5.2215	V	L	t	-.09	0.04
1064.1	5.2040	V	L	t	-.09	0.04
1065.1	5.1918	V	L	t	-.09	0.04
1066.1	5.1834	V	L	t	-.09	0.05
1067.1	5.1783	V	L	t	-.09	0.05
1068.1	5.1753	V	L	t	-.08	0.05
1069.1	5.1739	V	L	t	-.08	0.05
1070.2	5.1734	V	L	t	-.08	0.05
1071.2	5.1735	V	L	t	-.07	0.04
1072.2	5.1738	V	L	t	-.07	0.04
1073.2	5.1744	V	L	t	-.06	0.04
1074.2	5.1751	V	L	t	-.06	0.04
1075.2	5.1761	V	L	t	-.05	0.04
1076.2	5.1772	V	L	t	-.04	0.04
1077.2	5.1786	V	L	t	-.04	0.05

END OF STRIP CHART 89022707.B07
DATA COLLECTED ON LEAK COMPUTER S/N 87091108

STRIP CHART FOR DATA RECORD: 89022706.C24 OF 6048 GALLON REG. TANK
LOCATION: RED DIAMOND 800 NW. IST. SENECA S.C. TEST OPERATOR: EDDIE ADAMS

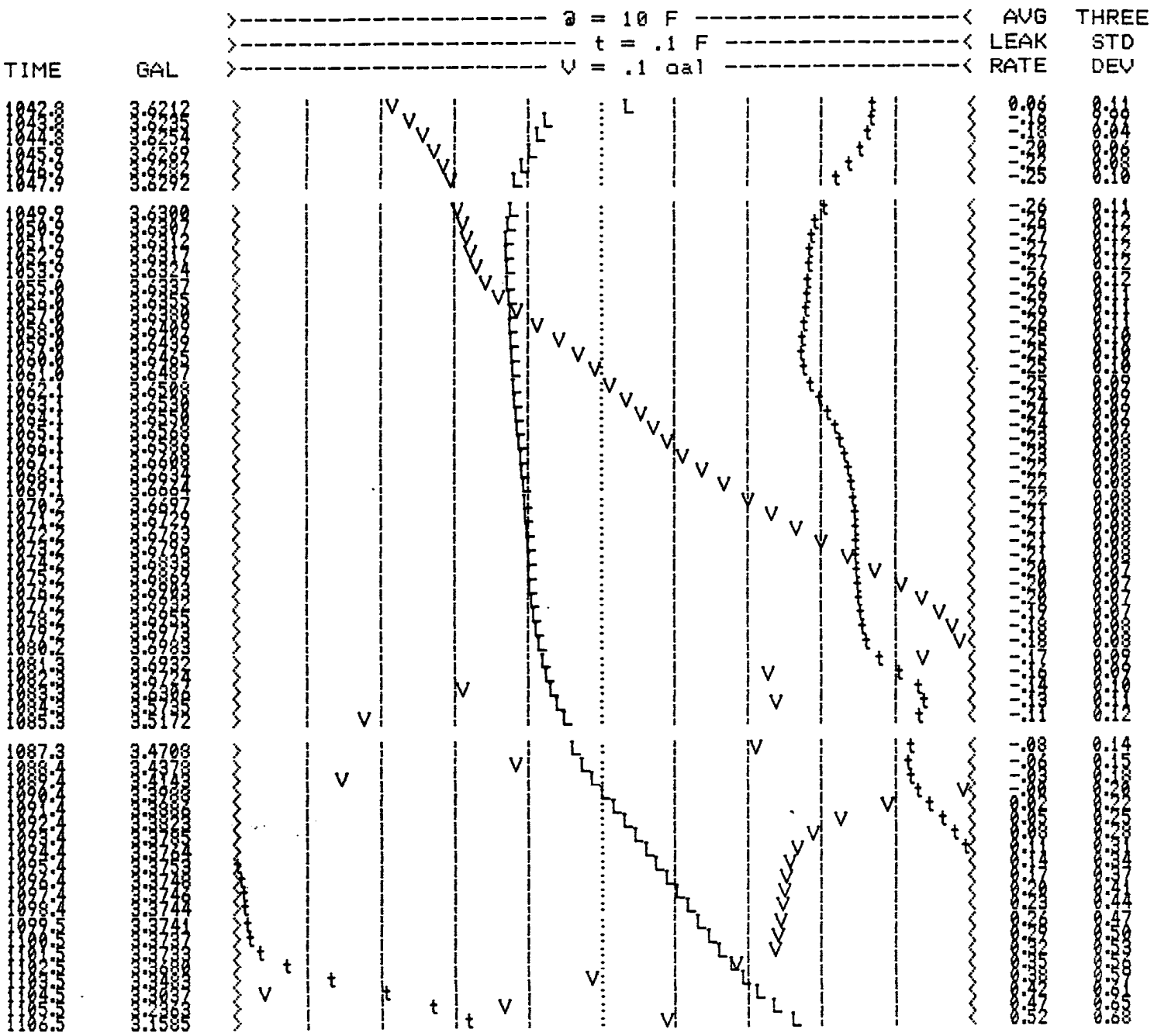
LEAK RATE AVG OF 30 CYCLES: LINE FEED: 6 IN/HR: TOTAL TEST TIME: 113.1 MIN
DENSITY: .72 TANK TEMP @ START: 50 F COE: .000689



END OF STRIP CHART 89022706.C24
DATA COLLECTED ON LEAK COMPUTER S/N 87091108

STRIP CHART FOR DATA RECORD: 89022709.c07 OF 6048 GALLON REG. TANK
LOCATION: RED DIAMOND 800 NW. IST. SENECA S.C. TEST OPERATOR: EDDIE ADAMS

LEAK RATE AVG OF 30 CYCLES: LINE FEED: 6 IN/HR: TOTAL TEST TIME: 277.4 MIN
DENSITY: .73 TANK TEMP @ START: 0 F COE: .000687



END OF STRIP CHART 89022709.c07
DATA COLLECTED ON LEAK COMPUTER S/N 87091108

636-38

RECEIVED MAR 2 2 1989

S.O.# 1293

VACU-TECT™ TANK TESTING REPORT

TANKNOLOGY™
TECHNOLOGY FOR TANKS AND THEIR ENVIRONMENT

Tanknology Corporation International
4601 South Pinemont Drive, Suite 100
Houston, Texas 77041
(713) 690 TANK FAX (713) 690-2255

Customer Tenneco (Red Diamond) DATE 3/21/89

Billing Address

Service Address Marietta, S. Carolina - Rt. #2, Hwy. #276

Phone (803) 836-8262 Att'n:

TANK TEST

TANK No. & Date TESTED / See Diag. For Location: DATE	TK NO.	TYPE PROD	TK DIA	TK GAL	Dipped Water Level START	Dipped Prod. Level START	Rec. Water Level START	Water Ingress Detected HR/MIN	Bubble Ingress Detected HR/MIN	Ullage Air Ingress Detected HR/MIN	TIGHT (T) or FAIL (F)
3/21/89	1	Unl.	96	12000	0	77	16	0	0	0	T
3/21/89	2	Reg. Unl.	96	12000	0	66	16	0	0	0	T
3/21/89	3	Reg. L.	96	12000	0	75½	16	0	0	0	T
3/21/89	4	Kerosene	96	12000	1	74	14	0	0	0	T

LINE

TANK NO. LINE A,B,C,	TIGHT (T) or FAIL (F)
1-A	T
2-A	T
3-A	T
4-A	T

COMMENTS: Note alterations or repairs !

TANKS and LINES TESTED TO CFR# 40, Parts280-281 & NFPA329 Specifications
OTHERS:

SUCTION (SS) or PRES. SYSTEM (PS)
FIBERGLASS [FG] or STEEL (STR)
LEAK DETECTORS Installed ? (LD)

1 50 psi
2 50 psi
3 50 psi
4 15 psi (Suction System)

USTDOCKETING

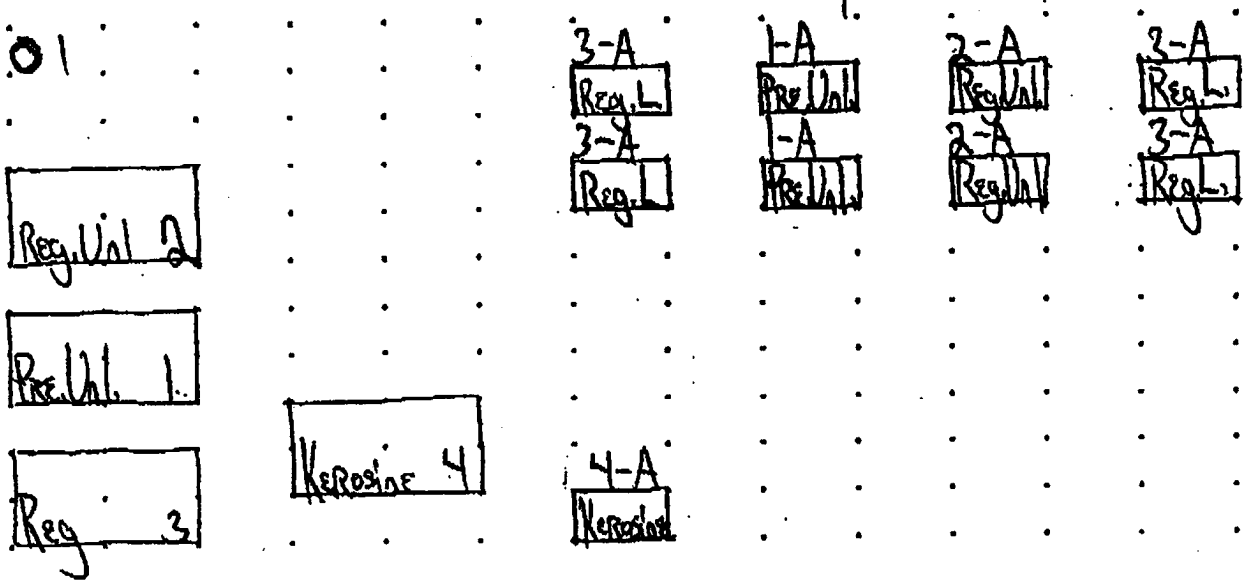
TANKNOLOGY SERVICE DIVISION:

S.O.# 1293

MONITOR WELLS

Number	1	2	3	4	5	6	7	8	9	10	11	12
Depth	200											
Water	0											
Prod.Detected												
NOT Det.	X											

Location Diagram Rt #1, Hwy #276



When local regulations require immediate reporting of a system leak-Complete the following:

Reported to: _____

Name Date Time

Phone Number Regulatory Agency File Number

Parts and Labor used _____

General Comments _____

David Spinney

Print: Certified Testers Name

Vacutect(tm) Certification Number

3/21/89

Tenneco Inc

Building 400, Suite 106
1395 South Marietta Parkway
Marietta, Georgia 30067
(404) 421-6190

May 11, 1989

Mr. Read Miner
SOUTH CAROLINA DEPARTMENT OF HEALTH &
ENVIRONMENTAL CONTROL
2600 Bull Street
Columbia, SC 29201

RE: SUSPECTED HYDROCARBON RELEASES
20 SOUTH CAROLINA LOCATIONS

Dear Mr. Miner,

Confirming our recent telephone conversation I am enclosing site investigation information covering each site submitted in my letter of April 24, 1989 to SCDHEC (copy enclosed for your convenience). This information was received from the purchasing company, T.O.C. Retail, Inc., on April 19, 1989.

I am looking forward to meeting with you at 1:30 p.m. on Tuesday, May 16th, to discuss this matter.

Sincerely,

D. D. Waters, Jr.
Environmental Manager
Discontinued Retail Operations

DDW:o

Enclosure

cc: Ms. Eleanor Suggs - Tenneco

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MAY 12 1989
GROUNDWATER
PROTECTION DIVISION

UST DOCUMENTING 1989

South Carolina Department of Health and Environmental Control

2600 Bull Street
Columbia, S.C. 29201

Commissioner
Michael D. Jarrett

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Oren L. Brady, Jr.
Moses H. Clarkson, Jr.
Futa M. Colvin, M.D.
Henry S. Jordan, M.D.

Monitoring Well Approval

Approval is hereby granted to: Richard Catlin & Associates
1051 Hwy. 17 N. By-Pass, Suite C
Mt. Pleasant, SC 29464

RE: Tenneco Oil Company
Risk Assessment Wells

for the construction of two monitoring wells at each site listed below in accordance with the construction plans and specifications submitted on January 13, 1989.

1003 28 Bypass, Anderson, SC
525 Atomic Rd., N. Augusta, SC
7366 Two Notch Rd., Columbia, SC
4497 Devine St., Columbia, SC
2990 Sunset Blvd., W. Columbia, SC
4701 Augusta Rd., Greenville, SC
400 Sulpher Springs Rd., Greenville, SC
2902 Wade Hampton Blvd., Greenville, SC
8008 White Horse Rd., Greenville, SC
426 Columbia Ave., Lexington, SC
Route 2, Marietta, SC
508 East North First St., Seneca, SC
800 NW First St., Seneca, SC
1049 W.O. Ezell Blvd., Spartanburg, SC

These wells will be constructed to a maximum depth of 30 feet below the surface and screened in the uppermost aquifer for the purpose of monitoring for contamination by hydrocarbons.

Conditions: That the latitude and longitude and actual construction details for each well be submitted within 30 days after installation.

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.

Date of Issue January 20, 1989

James R. Hess, P.G., Manager
Underground Storage Tank Section
Ground-Water Protection Division
Bureau of Drinking Water Protection

012089-779/JH

JRH/lr
RCA.TXT

cc: Mark Harvley, Appalachia I District EQC
Bob Benson, Lower Savannah District EQC
Paul Bristol, Central Midlands District EQC
John Clark, Appalachia III District EQC
Mark Cann, Appalachia III District EQC

South Carolina Department of Health and Environmental Control

2600 Bull Street
Columbia, S.C. 29201

Commissioner
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John Hay Burriss
Euta M. Colvin, M.D.

May 18, 1989

Mr. D.D. Waters
Tenneco, Incorporated
Building 400, Suite 106
1395 South Marietta Parkway
Marietta, GA 30067

Re: Suspected Hydrocarbon Releases
20 South Carolina Former Tenneco Locations

Dear Mr. Waters:

Per our meeting on May 16, 1989, you suggested a time frame for submitting assessment plans at a rate of two facilities per month in order of decreasing priority. Upon considering your request and the levels of contamination present at the facilities, the suggested submittal rate cannot be approved. However, because of the large number of projects, DHEC has divided the projects into four categories

1) Those projects with free phase product or an immediate threat to human health;

2) Those projects with ground-water contamination exceeding 50 ppb benzene;

3) Those projects with ground-water contamination between 5 and 50 ppb benzene;

4) Projects with soil contamination but no verified significant ground-water contamination.

Those projects which fall into category 1 must be addressed immediately. The work plans for those projects falling into category 2 will be due at a rate of 2 projects per week. After all category 2 project work plans have been submitted, the category 3 work plans will be due at a rate of 1 project per week. After all the category 3 project work plans have been submitted, the remaining category 4 project work plans will be due at a frequency of 2 per month. This schedule will spread the suspense dates for these 20 project work plans over approximately a three month period. Upon initiation of each project, all additional work must proceed in a timely manner.

UST DOCKETING

Upon completion of your resampling program discussed in our meeting of May 16, 1989, all projects which did not fall into category 1 during the preliminary investigation, will be prioritized and split into the appropriate categories by Tenneco, Inc. and by DHEC. In the meantime, a project work plan for Former Tenneco 11638 (requested in a separate letter) which had free phase product on the ground water, is due on or before July 3, 1989.

A copy of this correspondence has been forwarded to your technical consultant to expedite progress.

If you have any questions, feel free to call me at (803) 734-5327.

Sincerely,

Read S. Miner

Read S. Miner, Hydrogeologist
Trust Section
Ground-Water Protection Division
Bureau of Drinking Water Protection

RSM/lr
DDW.TXT

cc: David Troutman
IT Environmental Services, Inc.

INTERNATIONAL TECHNOLOGY CORPORATION

August 9, 1989

Mr. Read Miner
South Carolina Department of
Health and Environmental Control
Trust Section
Groundwater Protection Division
Bureau of Drinking Water Protection
2600 Bull Street
Columbia, South Carolina 29201

Project No. 306398

Transmittal
Environmental Assessment Work Plans
Tenneco Store Nos. 17138 and 63438
South Carolina

Dear Mr. Miner:

In accordance with catagorization criteria stated in a letter from the South Carolina Department of Health and Environmental Control (SCDHEC) dated May 18, 1989 to Mr. D. D. Waters of Tenneco, Inc. Environmental Affairs (Tenneco), South Carolina Tenneco locations have been grouped into the following four categories:

CATEGORY 1
(Sites With Free Phase Product)

11638	860 Knox Abbot Drive, Cayce, SC
17138	1801 Parnsitt Highway, Greenville, SC
63438	Highway 176, Inman, SC

CATEGORY 2
(Groundwater >50 ppb benzene by analysis)

00738	4701 Augusta Road, Greenville, SC
19638	400 Sulphur Springs Road, Greenville, SC
50038	2902 Wade Hampton Blvd., Greenville, SC
60338	2990 Sunset Blvd., West Columbia, SC
61338	7356 Two Notch Road, Columbia, SC
62038	4497 Devine Street, Columbia, SC
62138	1003 28 By Pass, Anderson, SC
62738	508 East North First Street, Mauldin, SC
63038	6008 White Horse Road, Greenville, SC
63538	426 Columiba Avenue, Lexington, SC
63738	206 North Main Street, Mauldin, SC
63938	197 Reichville Road, Spartantburg, SC

UST DOCKETING
(087)

1150 LeBlanc Road ▪ Port Allen, LA 70767 ▪ (504) 344-8530

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AUG 14 1989
GROUND-WATER
PROTECTION DIVISION

CATEGORY 3
(Groundwater >5 ppm but <50 ppm benzene by analysis)

17038	Harper and Hillcrest Drive, Laurens, SC

CATEGORY 4
(no verified significant groundwater contamination)

60638	525 Atomic Road North, Augusta, SC
61238	1049 W.O. Ezell Blvd., West Columbia SC
61538	2351 Cherry Road, Rock Hill, SC
62838	800 N.W. First Street, Seneco, SC

An assessment plan was previous submitted to SCDHEC concerning Tenneco store number 11638. The assessment plans for the other two category 1 locations (17138 and 63438) are attached. Preparation of the remaining assessment plans (categories 2-4) will proceed according to the schedule suggested in your letter of May 19, 1989.

If you have any questions or comments, please contact Mr. D. D. Waters at 404-421-6190, Mr. Mark L. Morgan or me at (504) 344-8530 or the letterhead address.

Sincerely,

Todd Browning

Todd M. Browning
Project Manager

TMB:gfw

cc: Dan Waters - Tenneco
Katherine Kelly - IT
David Troutman - IT

TNN-MINER89

Tenneco Inc

Building 400, Suite 106
1395 South Marietta Parkway
Marietta, Georgia 30067
(404) 421-6190

September 29, 1989

Mr. Read S. Miner
SOUTH CAROLINA DEPARTMENT OF
HEALTH AND ENVIRONMENTAL CONTROL
Trust Section
Ground-Water Protection Division
Bureau of Drinking Water Protection
2600 Bull Street
Columbia, SC 29201

RE: FORMER TENNECO LOCATION 628-38
800 NW FIRST STREET SENECA, SC

Dear Mr. Miner,

We inadvertently included the above referenced location in reporting suspected hydrocarbon releases to the state of South Carolina in my April 24, 1989 letter to Mr. Raymond Knox (copy enclosed). This was submitted to you due to additional site investigation by the purchasing company indicating a potential hydrocarbon release.

Previous assessment reports have been submitted to your office and reviewed by you. A letter of December 8, 1988 by Mr. Raymond Knox indicated no additional action is required at this site. Based on this letter, this site should be considered as routine monitoring to meet underground storage tank requirements.

Please advise Tenneco, in writing, of the removal of this site from your contaminated sites list.

If you have any questions or need additional information, please contact my office at the letterhead address or telephone number.

Sincerely,

D. D. Waters, Jr.
Environmental Manager
Discontinued Retail Operations

DDW:o

Enclosure: Copy of our 4/24/89 Letter to Raymond Knox
Copy of Raymond Knox' 12/8/88 Letter to Tenneco

cc: Mr. Jon Dow - TOC Retail, Inc.
Mr. Mark Morgan - IT Corporation

RECEIVED
OCT 04 1989
GROUND-WATER
PROTECTION DIVISION

UST DOCKETING

South Carolina Department of Health and Environmental Control

2600 Bull Street
Columbia, S.C. 29201

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Moses H. Clarkson, Jr.
Euta M. Colvin, M.D.
Henry S. Jordan, M.D.

December 8, 1988

Tennaco Oil Company
Suite 170
8800 Roswell Road
Atlanta, Georgia 30358-1045
Attn: Mr. Dan Waters

Re: Tennaco Station No. 62838
October 1988 Assessment Report
Oconee County

Dear Mr. Waters:

The Ground-Water Protection Division of the South Carolina Department of Health and Environmental Control has completed a review of the referenced report. Collected geologic and chemical data suggest that minimal impact to the environment has occurred. Therefore, no addditional action is required at this time. However, should any problems relating to this line leak (or other releases not previously reported) arise in the future, additional investigation and/or remedial actions may be required.

If you have any questions, please call.

Sincerely,

Raymond L. Knox, P.G., Manager
Trust Section
Ground-Water Protection Division
Bureau of Drinking Water Protection

RLK/SLC/llt
TENNACO.TXT

cc: Tommy Hyde
Appalachia II District EQC

Mark Harvley
Appalachia I District EQC

Tenneco Inc

Building 400, Suite 1(
1395 South Marietta Parkway
Marietta, Georgia 30(
(404) 421-6190

April 24, 1989

Mr. Raymond Knox
SOUTH CAROLINA DEPARTMENT OF HEALTH &
ENVIRONMENTAL CONTROL
2600 Bull Street
Columbia, SC 29201

RE: SUSPECTED HYDROCARBON RELEASES
20 SOUTH CAROLINA LOCATIONS

Dear Mr. Knox,

This letter will confirm my telephone conversation with Mr. Stan Clark of your office on April 20, 1989 in which I reported twenty (20) locations of having a suspected hydrocarbon release (See attached listing). This was to satisfy EPA Federal Regulation 40 CFR, part 280.61.

Tenneco recently sold all retail stations to TOC Retail, Inc., 1860-74 Peachtree Road, N.W., Atlanta, GA 30357; and, operation responsibility of all facilities was taken over by this company, effective December 15, 1988. Any correspondence regarding contamination cases should be directed to my attention at the letterhead address as Tenneco has retained environmental responsibility.

I am enclosing tank and line tests that were performed for each location which indicate all systems tight. These tests were performed prior to the transfer of property to the new owner during the last quarter of 1988. I am also enclosing a spread sheet that indicates soil and water analysis that was completed by the purchasing company. You will note locations 502-38, Charleston; 507-08, Charleston; and, 636-38, Marietta appear on this spread sheet. These locations have been reported previously and are presently being worked toward closures.

Stan Clark has directed me to delay additional abatement measures in accordance with part 280.62 of the EPA Federal Regulation. I would like to meet with personnel in your office and determine an exact schedule to complete additional assessment work at these locations. Based on ongoing inventory reconciliations and tank tests performed during the last quarter of 1988, it is our opinion that there is no continued source of contamination at these locations. I look forward to arranging a time frame to allow for reasonable assessment at each of the locations.

more . . .

Mr. Raymond Knox
Columbia, SC

After completion of the assessments at these locations, if it is determined remediation is necessary, it is Tenneco's request to participate in the cleanup fund for the state of South Carolina.

If you have any questions or additional information is needed at this time please contact me at 404/421-6190.

Sincerely,

D. D. Waters, Jr.
Environmental Manager
Discontinued Retail Operations

DDW:o

Enclosure

cc: Mr. Stan Clark - SCDHEC
Mr. Jon Dow - TOC Retail, Inc.
Ms. Eleanor Suggs - Tenneco

Location 007-38
4701 Augusta Road
Greenville, SC 29605

Location 170-38
Harper & Hillcrest Drive
Laurens, SC 92360

Location 196-38
400 Sulpher Springs Road
Greenville, SC 29611

Location 603-38
2990 Sunset Blvd
West Columbia, SC 29169

Location 612-38
1049 W O Ezell Blvd
Spartanburg, SC 29301

Location 615-38
2351 No. Cherry Road
Rock Hill, SC 29730

Location 621-38
1003 28 By Pass
Anderson, SC 29621

Location 628-38
800 NW First Street
Seneca, SC 29678

Location 634-38
Highway 176
Inman, SC 29349

Location 637-38
206 North Main Street
Mauldin, SC 29662

Location 116-38
860 Knox Abbot Drive
Cayce, SC 29033

Location 171-38
1801 Poinsett Hwy
Greenville, SC 29609

Location 500-38
2902 Wade Hampton Blvd
Greenville, SC 29687

Location 606-38
525 Atomic Road
No. Augusta, SC 29841

Location 613-38
7356 Two Notch Road
Columbia, SC 29204

Location 620-38
4497 Devine Street
Columbia, SC 29205

Location 627-38
508 East North First St.
Seneca, SC 29678

Location 630-38
6008 White Horse Road
Greenville, SC 29611

Location 635-38
426 Columbia Avenue
Lexington, SC 29072

Location 639-38
197 Reidville Road
Spartanburg, SC 29303

*

NUM	STREET ADDRESS	CITY	ST	ZIP	POST-CLOSING DESIGNATION T. D. C.	SOIL TPH/BTEX	SOIL BENZENE	WATER TPH/BTEX	WATER BENZENE	TIGHTNESS TESTING	TIGHTNESS RESULT
4701	Augusta Road	Greenville	SC	29605	Y	217/695	130	ND/12965	8655		
860	Knox Abbot Drive	Cayce	SC	29033	Y	90/285	45	NO SAMPLE	NO SAMPLE	Y	UVF*
	Harper & Hillcrest Drive	Laurens	SC	29630	Y	NO SAMPLE	NO SAMPLE	<1/35	10		
1801	Poinsett Highway	Greenville	SC	29609	Y	<10/3600	<1000	ND/22	22		
400	Sulpher Springs Road	Greenville	SC	29611	Y	254/150	52	ND/785	650		
2902	Wade Hampton Boulevard	Greenville	SC	29687	Y	160/270	55	38/10630	2700		
8120	Rivers Avenue North	Charleston	SC	29406	Y	PC NO TEST	PC NO TEST	PC NO TEST	PC NO TEST		
2314	Ashley River Road	Charleston	SC	29407	Y	NO SAMPLE	NO SAMPLE	11/5000	1200		
2990	Sunset Boulevard	W. Columbia	SC	29169	Y	219/718700	73700	ND/390	95		
525	Atomic Road	Augusta	SC	29841	Y	185/37774	560	NO SAMPLE	NO SAMPLE		
1049	W. O. Ezell Boulevard	Spartanburg	SC	29301	Y	167/94610	4410	NO SAMPLE	NO SAMPLE		
7356	Two Notch Road	Columbia	SC	29204	Y	116/145	10	ND/7830	1940		
2351	North Cherry Road	Rock Hill	SC	29730	Y	267/85	35	ND/ND	ND		
4197	Devine Street	Columbia	SC	29205	Y	ND/2406	733	ND/142	34		
1003	28 By Pass	Anderson	SC	29621	Y	208/1124240	97340	60/21780	5500		
508	North First Street	Seneca	SC	29678	Y	ND/80	50	ND/950	64	Y	SVF* RVF*
800	Northwest First	Seneca	SC	29678	Y	188/ND	ND	NO SAMPLE	NO SAMPLE	Y	P
6008	White Horse Road	Greenville	SC	29611	Y	123/747	128	ND/11795	4365		
	Highway 176	Inman	SC	29349	Y	NO SAMPLE	NO SAMPLE	117/111760	10400		
426	Columbia Avenue	Lexington	SC	29072	Y	36/23100	3510	20/7270	1880		
	Route 2, Highway 276	Marietta	SC	29661	Y	52/32270	5040	NO SAMPLE	NO SAMPLE	Y	P
204	North Main Street	Mauldin	SC	29662	Y	NO SAMPLE	NO SAMPLE	21/20050	4590		
197	Reidville Road	Spartanburg	SC	29303	Y	NO SAMPLE	NO SAMPLE	30/27990	7640		

* Tightness tests results enclosed for all locations indicated: 116-38, Cayce
627-38, Seneca
628-38, Seneca
636-38, Marietta (previously reported

KEY FC 'OST CLOSING DESIGNATIO 'PREADSHEETS

Y - Indicates designation due to soil and/or water contamination. Contamination limits: 5 parts per billion (ppb) for BTEX; 100 parts per million (ppm) for TPH.

T - Indicates designation due to underground tank and/or product line leakage.

YT - Indicates designation due to both contamination and leakage.

* - Indicates reference to the particular cite on the 'Remarks' printout.

SOIL TPH

This indicates the highest reading of Total Phase Hydrocarbons, measured in ppm, found in soil samples at the site.

SOIL BTEX

This indicates the highest combined reading of Benzene, Toluene, Ethyl Benzene and Xylenes, measured in ppb, found in soil samples at the site.

SOIL BENZENE

This indicates the highest reading of Benzene, measured in ppb, found in soil samples at the site.

WATER TPH

This indicates the highest reading of Total Phase Hydrocarbons, measured in ppm, found in water samples at the site.

WATER BTEX

This indicates the highest combined reading of Benzene, Toluene, Ethyl Benzene and Xylenes, measured in ppb, found in water samples at the site.

WATER BENZENE

This indicates the highest reading of Benzene, measured in parts per billion (ppb), found in water samples at the site.

OTHER NOTATIONS

ND - Not detectable; below detectable limit of testing procedures.

No Sample - No sample taken; report received.

Free Product - Phase material found; no samples taken.

PC No Test - Post-closing report to state by Tenneco; no report.

PRE No Test - Pre-closing designated by Tenneco; no report.

TIGHTNESS TESTING

Y - Tightness testing conducted.

TIGHTNESS TESTING RESULTS

P - All systems passed; tanks tight.

F - Failure

Failures:

S = Premium fuel
U = Unleaded fuel
R = Regular fuel
K = Kerosene

T = Tank (underground storage tank)
L = Line (product line from tank to pump)
V = Vent (ventilation line from tank)

Examples:

SVF = Premium vent failure
UTF = Unleaded tank failure
RLF = Regular line failure

REMARKS

Abreviations for Consultants:

ATEC- ATEC Environmental Consultants; American Testing and Engineering Corporation (ATEC)
Catlin - Richard Catlin & Associates, Inc.
Corrpro - Corrpro Companies, Inc.
HLA - Harding Lawson Associates
PELA - P.E. LaMoreaux & Associates
PSI - Professional Services Industries, Inc.

Other Notations:

HLA/Tenneco Follow-Up - Further testing recommended by HLA; designated by Jon Dow.

Overfill protection - Device remedying vent failure; prevents fuel overflow to vent lines.

Sheen - Hydrocarbon surface film.

See (e.g. #407-16) - Store number has been changed; refer to number listed.

INTERNATIONAL
TECHNOLOGY
CORPORATION

RECEIVED
DEC 07 1989
GROUNDWATER
PROTECTION DIVISION

December 6, 1989

Project No. 306398

Mr. Read Miner
South Carolina Department of
Health and Environmental Control
Trust Section
Groundwater Protection Division
Bureau of Drinking Water Protection
2600 Bull Street
Columbia, South Carolina 29201

USTDOCKETING

Petition for Return to Normal Monitoring
Tenneco Store Number 62838
800 N.W. First Street
Seneca, South Carolina

Dear Mr. Miner:

The above referenced Tenneco Inc., Environmental Affairs (Tenneco) location is considered a category 4 site based on a letter from the South Carolina Department of Health and Environmental Control (SCDHEC) dated May 18, 1989 to Mr. D. D. Waters of Tenneco. The site categorization plan was established with Environmental Protection Agency (EPA) approval and is based on each location's environmental risk to human health and the environment.

Tenneco store number 61238 was reported to SCDHEC based solely on a contractual agreement between Tenneco and T.O.C. Retail (the purchasing company) as part of a property transfer. According to the agreement (completed May 1989), any detectable level of hydrocarbons encountered during any phase of investigation by either party would constitute reporting to the applicable state agency. A consultant for T.O.C. Retail installed monitor wells MW-B1 and MW-B2 (Figure 1). The site was reported to SCDHEC based solely on the low concentrations (ND for benzene, ND for total BETX, and 0.19 ppm TPH) detected in one soil sample during monitor well installation.

Since no "suspicion of release" actually exists at this location and analytical data indicate only minimal amounts of dissolved hydrocarbon in soil, Tenneco would like to petition SCDHEC for removal of this sites' underground storage tank system from the state's active corrective action program in accordance with the regulations currently being implemented. Based on the data collected to date, this location presents minimal risk to human health and the environment. Agreement by SCDHEC would allow Tenneco to release the property to T.O.C. Retail for normal monitoring by fulfilling the contractual agreement.

It is our understanding that the SCDHEC has received the tank precision testing indicating the fuel distribution system to be tight. Inventory records have also been reconciled and therefore there is no "suspicion of a release" from the system. In the future, T.O.C. Retail would be responsible for Department notification if any release or evidence of a release presents itself.

This letter has been prepared in accordance with the schedule established by SCDHEC for category 4 locations. IT Corporation has now completed the requirements for all South Carolina Tenneco locations according to the schedule suggested in your letter of May 18, 1989. If you have any questions or comments, please contact Mr. D. D. Waters at 404-421-6190.

Sincerely,

Todd M. Browning
Manager of Groundwater Projects

cc: D. Waters - Tenneco
K. Kelly - IT
D. Troutman - IT

TMB:gfw

TNN-Miner126

File

South Carolina Department of Health and Environmental Control

2600 Bull Street
Columbia, S.C. 29201

Commissioner
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William E. Applegate, III, Secretary
Toney Graham, Jr., M.D.
John H. Burriss
Richard E. Jabbour, D.D.S.
Currie B. Spivey, Jr.

December 11, 1989

Mr. D. D. Waters
Tenneco, Inc.
Building 400, Suite 106
1395 South Marietta Parkway
Marietta, Georgia 30067

UST DOCKETING

RE: Tenneco 62838 (PCAS-6806)
800 N.W. First Street, Seneca
Oconee County

Dear Mr. Waters:

The SC Department of Health and Environmental Control (SCDHEC) has reviewed Tenneco's letter of September 29, 1989 requesting that the referenced facility be removed from SCDHEC's list of contaminated sites.

Per International Technology's report of October 20, 1988, soil contamination was identified at the referenced facility. Because the concentration of hydrocarbons decreased rapidly with depth, SCDHEC did not require any further assessment at that time (December 8, 1988 letter from SCDHEC to Tenneco) based on the assumption that the potential impact on the ground water was minimal.

Based on the data presented in Richard Catlin & Associates (RC&A) February 1989 assessment report, the concentration of hydrocarbons in the soil increased with depth in boring 2. Therefore a potential impact on the ground water by hydrocarbons does exist.

SCDHEC requests that you submit a work plan (3 copies) on or before March 30, 1990 that will address the extent and severity of soil contamination and the potential for ground-water contamination in the vicinity of boring 2 (see RC&A report). After the analytical data has been generated and reviewed, a determination of the necessity for soil and ground-water remediation will be made.

SCDHEC has received your April 24, 1989 request for SUPERB eligibility for the referenced facility. If the assessment indicates that soil and/or ground-water remediation is necessary, the site will be evaluated at that time to determine if it meets the criteria established by the SUPERB Act. Be sure to keep copies of the inventory records for the time period from May 1988 to April 1989.

A copy of this correspondence has been forwarded to your technical consultant to expedite progress.

If you have any questions, feel free to call me at (803) 734-5327.

Sincerely,

Read S Miner

Read S. Miner, Hydrogeologist
Trust Section
Ground-Water Protection Division
Bureau of Drinking Water Protection

RSM/pw
A:Tenneco.TXT

cc: Mark Harvley
Appalachia I District EQC

Tommy Hyde
Appalachia II District EQC

John R. Isham
International Technology

INTERNATIONAL TECHNOLOGY CORPORATION

Read S. Miner
Trust Section
Ground Water Protection Section
SC DHEC
2600 Bull St.
Columbia, SC 29201

December 12, 1989

SUBJECT: Request for SUPERB ACT ELIGIBILITY, former Tenneco locations; IT project No. 306398

Dear Mr. Miner:

In our recent December 5, 1989 telephone conversation, you mentioned that you had already processed 20 former Tenneco locations for potential eligibility for reimbursement under the SUPERB ACT. I would like to verify with you the 20 sites you have processed. My list indicates the following locations:

TENNECO LOCATION NO.	LOCATION
00738	Augusta Rd., Greenville
11638	Knox Abbott Dr., Cayce
17038	Harper Dr.,Laurens
17138	Poinsett Hwy.,Greenville
19638	Sulpher Springs Rd.,Greenville
50038	Wade Hampton Blvd.,Greenville
60338	Sunset Blvd.,W. Columbia
60638	Atomic Rd.,Augusta
61238	Ezell Rd.,Spartanburg
61338	Two Notch Rd.,Columbia
61538	N.Cherry Rd.,Rock Hill
62038	Devine St., Columbia
62138	28 By Pass,Anderson
62738	N. First St.,Seneca
62838	NW First St., Seneca
63038	White Horse Rd.,Greenville
63438	Hwy. 176, Inman
63538	Columbia Ave., Lexington
63738	N. Main St., Mauldin
63938	Reidville Rd., Spartanburg

If any of the above sites is not one of those you have processed please let me know as soon as possible so that it can be added and let me know if any sites you have processed are not on the above list.

RECEIVED
DEC 18 1989
GROUND WATER PROTECTION DIVISION

UST FOCKETING 722

Regional Office
2140 Northeast 36th Avenue • Suite 300 • Ocala, Florida 32670 • 904-867-0377

IT Corporation is a wholly owned subsidiary of International Technology Corporation

Mr. Read Miner
SC DHEC

De er 12, 1989

There are seven additional former Tenneco locations that by submittal of this letter IT Corporation officially requests, on behalf of Tenneco, Inc., evaluation for SUPERB funds. The seven sites are identified below:

TENNECO LOCATION NO.	LOCATION
16738	442 Meeting St. W. Columbia
50238	8120 Rivers Ave., N. Charleston
50538	642 St.Andrews BLVD, Charleston
50738	2314 Ashley Blvd., Charleston
61438	1523 Savannah Hwy.,Charleston
61838	337 Folly Rd.,Charleston
63638	Rte 2 & Hwy 276 Marietta

All of these seven sites have laboratory results for both soil and ground water samples documented and submitted to DHEC. It is my understanding that you are handling locations 50238, 50538, 50738, and 63638; Stan Clark is handling 16738; Marjke van Heeswijk is handling 61438; Kim Caulk is handling 61838. Each of them is being copied on this letter as official request to evaluate the site for SUPERB qualification.

One or more of the 27 sites listed above has been submitted for closure. Again, should closure be denied, it is requested that the site be considered for SUPERB qualification.

Please call me at (803) 782-9932 if you have any questions or if there is any potential problem with any of the above listed sites meeting the criteria for SUPERB funding. I appreciate your timely help in this matter.

Katherine M. Kelly
Katherine M. Kelly
General Manager
Environmental Services

cc: Stan Clark, DHEC
Marjke van Heeswijk, DHEC
Kim Caulk, DHEC
Dan Waters, Tenneco

RECEIVED
DEC 18 1989
GROUND-WATER
PROTECTION DIVISION

INTERNATIONAL TECHNOLOGY CORPORATION

April 16, 1990

Mr. Read D. Miner
Trust Section
Ground Water Protection Division
Bureau of Drinking Water Protection
South Carolina Department of
Health and Environmental Control
2600 Bull Street
Columbia, SC 29201

RECEIVED
APR 17 1990
GROUND-WATER
PROTECTION DIVISION

SUBJECT: Former Tenneco Station No. 62838
800 NW First Street
Seneca, South Carolina
IT Project No. 306602

Dear Mr. Miner:

Attached are two (2) copies of the environmental assessment work plan for the above referenced former Tenneco Store in Seneca, South Carolina.

If you have any questions please call me or Katherine Kelly at 782-9932.

Sincerely,

John R. Isham

John R. Isham
Hydrogeologist

Attachments

cc: D. Waters

UST DOCKETING

South Carolina
DHEC
Department of Health and Environmental Control

FILE

July 23, 1990

Mr. D. D. Waters, Jr.
Tenneco, Incorporated
Building 400, Suite 106
1395 South Marietta Parkway
Marietta, Georgia 30067

Re: Former Tenneco 62838 (PCAS-6806)
800 N.W. First Street, Seneca
Oconee County

Dear Mr. Waters:

The S.C. Department of Health and Environmental Control (SCDHEC) has reviewed and approved International Technology's April 17, 1990 work plan for the referenced facility. In accordance with IT's project schedule, SCDHEC will anticipate an assessment report (2 copies) with recommendations on or before October 9, 1990.

A copy of this correspondence has been forwarded to your technical consultant.

If you have any questions, feel free to call me at (803) 734-5327.

Sincerely,

Read S. Miner

Read S. Miner, Hydrogeologist
Trust Section
Ground-Water Protection Division
Bureau of Drinking Water Protection

RSM/rsm
Ten62838.txt

Enc: Monitoring Well Approval Form

cc: Katherine Kelly
International Technology

Tommy Hyde
Appalachia II District EQC

UST DOCUMENTING 7474

Commissioner: Michael D. Jarrett Board: Henry S. Jordan MD, Chairman John B. Pate, MD, Vice Chairman William E. Applegate, III, Secretary
Toney Graham, Jr., MD John H. Burriss Richard E. Jabbour, DDS Currie B. Spivey, Jr.

2600 Bull Street Columbia, South Carolina 29201

South Carolina
DHEC
Department of Health and Environmental Control

Monitoring Well Approval

Approval is hereby granted to: International Technology, Inc.
3710 Landmark Drive, Suite 203
Columbia, S.C. 29204

Re: Former Tenneco 62838
800 N.W. First Street, Seneca
Oconee County

for the construction of monitoring well(s) designated MW-3 to MW-5 and AB-4 in accordance with the construction plans and specifications submitted on April 17, 1990. These well(s) will be constructed to the approximate depth of 40 feet below the surface and screened in the surficial aquifer for the purpose of monitoring ground-water contamination due to hydrocarbons.

Conditions: The latitude and longitude and actual construction details for each well must be submitted with the final report. Please contact Tommy Hyde of the Appalachia II District EQC Office (803-241-1090) at least 48 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 Department of Health and Environmental Control Regulations R.61-71.

Date of Issue: July 23, 1990

Stan Clark, P.G., Manager
Trust Section
Ground-Water Protection Division
Bureau of Drinking Water Protection

SC/rsm
MW1586.txt
0723901586/rsm

cc: Tommy Hyde
Appalachia II District EQC

Commissioner: Michael D. Jarrett Board: Henry S. Jordan MD, Chairman John B. Pate, MD, Vice Chairman William E. Applegate, III, Secretary
Toney Graham, Jr., MD John H. Burriss Richard E. Jabbour, DDS Currie B. Spivey, Jr.

2600 Bull Street Columbia, South Carolina 29201

INTERNATIONAL TECHNOLOGY CORPORATION

SEP 25 1990
GROUNDWATER PROTECTION DIV.

September 20, 1990

Read Miner
Groundwater Protection Division
Bureau of Drinking Water Protection
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Subject: Drilling Activities at Former Tenneco
Locations 00738, 62138, 62838 and 63038.

Dear Mr. Miner:

IT Corporation is in the process of permanently assigning a drill rig to the Columbia office on or about October 8, 1990. Drilling activities at the above referenced former Tenneco locations will be completed and environmental assessments submitted to SCDHEC following that date.

Thank you for your patience in this matter. If you have any questions regarding this matter please contact me at 782-9932.

Sincerely,

Jack Gelting
Project Geologist

cc: D. D. Waters; Tenneco, Inc.

UST DOCKETING 75T

INTERNATIONAL TECHNOLOGY CORPORATION

December 10, 1990

Mr. Read S. Miner, Hydrogeologist
Groundwater Protection Division
South Carolina Department of
Health and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Subject: Monitor Well Completion Record
Former Tenneco Store No. 62838
800 NW First Street
Seneca, South Carolina
IT Project No. 408217.628

Dear Mr. Miner:

Enclosed is the monitor well completion form with attached scaled site map for the monitor well installed at the above referenced location on November 30, 1990.

If you have any questions or comments concerning the above, please contact me at (803) 782-9932.

Sincerely,

John R. Isham
Hydrogeologist

RECEIVED
DEC 18 1990
WATER
PROTECTION DIVISION

cc: Dan D. Waters, Jr., Tenneco, Inc.

UST DOCKETING 7451

Regional Office
3710 Landmark Drive • Suite 203 • Columbia, South Carolina 29204 • 803-782-9932

IT Corporation is a wholly owned subsidiary of International Technology Corporation

SOUTH CAROLINA DEPA IENT OF HEALTH AND ENVI NMENTAL CONTROL

Ground Water Protection Division | **2600 Bull Street** | **Columbia, S.C. 29201** | **(803) 734-5331** | **Water Well Record**

1. LOCATION OF WELL

County: OCONEE System Name: MW-4

Latitude: Longitude:

Distance And Direction from Road Intersections

(SEE ATTACHED SITE MAP)

Street address & City of Well Location

Sketch Map: (See example on back)

800 NW FIRST STREET, SENECA, SC.

(SEE ATTACHED SITE MAP)

4. OWNER OF WELL: TENNECO INC. ENV. AFFAIRS
Address MARIETTA, GEORGIA
Telephone No. (404) 421-6190
Engineer IT CORPORATION
Address 3710 LANDMARK DRIVE SUITE 203 COLUMBIA, SC 29204
Telephone No. (803) 782-1932

5. WELL DEPTH (Completed) 52 ft. Date Started: 11/29/90 Date Completed: 11/30/90

6. [ ] Mud Rotary [ ] Jetted [X] Bored [ ] Dug [ ] Air Rotary [ ] Driven [ ] Cable tool [X] Other CORED

7. USE: [ ] Domestic [ ] Public Supply-Permit No. ____ [ ] Industry [ ] Irrigation [ ] Air Conditioning [ ] Commercial [X] Test Well [ ] ____

8. CASING: [X] Threaded [ ] Welded
Diam. 2"
Type [X] PVC [ ] Galvanized [ ] Steel [ ] Other
5 in. to 37 ft. depth
____ in. to ____ ft. depth
Height: Above (Below)
Surface 0.5 ft.
Weight ____ lbs./ft.
Drive Shoe? [ ] Yes [X] No

9. SCREEN:
Type: SCH. 40 PVC Diam 2"
Slot/Gauze .020 Length 15'
Set Between 37 ft. and 52 ft.
____ ft. and ____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis [ ] Yes (Please enclose) [X] No

10. STATIC WATER LEVEL
39.50 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) [X] No
Yield ____

12. WATER QUALITY
Chemical Analysis [X] Yes [ ] No Bacterial Analysis [ ] Yes [X] No
Please Enclose Lab Results.

13. ARTIFICIAL FILTER (Gravel Pack) [X] Yes [ ] No
Installed from ____ ft. to ____ ft.
Effective size FX50 uniformity coefficient ____

14. WELL GROUTED? [X] Yes [ ] No
Neat Cement [X] Sand Cement [ ] Concrete [ ] Other [X] 8' BENTONITE
Depth From ____ ft. to ____ ft.

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DEC 18 1990
GROUND WATER PROTECTION DIVISION

15. NEAREST SOURCE OF POSSIBLE CONTAMINATION 80 Feet SE Direction
UST LOCATION Type Well disinfected upon completion? [ ] Yes [X] No Type ____ Amount ____

16. PUMP: Date Installed ____ [X] 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

2. CUTTING SAMPLES [ ] Yes [X] No
Geophysical Logs [ ] Yes (Please enclose) [X] No

FORMATION DESCRIPTION	*THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
(SAPROLITE) RED MICACEOUS SILTS	25'	25'
BROWN MICACEOUS SILTS / WEATHERED ROCK	12'	37'
QUARTZ BIOTITE GNEISS	18'	55'
37'-55' POSSIBLY WATER-		
BEARING		
* Indicate water bearing zones (use a 2nd sheet if needed)		

3. REMARKS
VERY COMPETENT BEDROCK
RQD VALUES OF 87-90 %

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 IT ENVIRONMENTAL ADDRESS OCALA, FLORIDA
CERT. NO. 794
Signed ____ AUTHORIZED REPRESENTATIVE Date 12/14/90

DHEC # 1903 (10/86) **COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)**

SOUTHERN PETROLEUM LABORATORIES, INC.

LAFAYETTE
P.O. BOX 31780
ZIP 70593-1780
PHONE: 318 984-2374

** SPL QUALITY CONTROL REPORT **

BETX MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

SPL Sample ID: X1214419
Matrix: WATER

Reported on: 12-20-90
Analyzed on: 12-18-90

This sample was randomly selected for use in the SPL quality control prog_am. One in twenty samples is fortified, in duplicate, with a known concentration of the substance being analyzed.
The results are as follows:

---- SPIKE ANALYSIS ----

Compound	Blank Value	Spike Added ug/l	Original Sample Concentration ug/l	MS Concentration ug/l	MS % Rec #	QC Limits Range
BENZENE	ND	50	3	53	100	39-150
TOLUENE	ND	50	ND	54	108	46-148
ETHYLBENZENE	ND	50	ND	58	116	32-160
m+p-XYLENE	ND	100	ND	117	117	32-160
o-XYLENE	ND	50	ND	58	116	32-160

---- SPIKE DUPLICATE ANALYSIS ----

Compound	Spike Added ug/l	MSD Concentration ug/l	MSD % Rec #	% RPD #	QC LIMITS RPD Limit	QC LIMITS Rec. Range
BENZENE	50	53	100	0	20	39-150
TOLUENE	50	53	106	2	20	46-148
ETHYLBENZENE	50	59	118	2	20	32-160
m+p-XYLENE	100	116	116	1	20	32-160
o-XYLENE	50	58	116	0	20	32-160

$$\% \text{ Recovery} = 100 \frac{|(\text{MS or MSD Sample Result} - \text{Original Sample Result})|}{\text{Amount Spike}}$$

$$\text{Relative Percent Difference(RPD)} = 200 \frac{|(\text{MS \%Rec\#} - \text{MSD \%Rec\#})|}{(\text{MS \%Rec\#} + \text{MSD \%Rec\#})}$$

SPL, Incorporated

John Durand, QC Officer

QC DOCUMENTING CTL

INTERNATIONAL TECHNOLOGY CORPORATION

January 2, 1991

RECEIVED
JAN 04 1991
GROUND-WATER
PROTECTION DIVISION

Mr. Read S. Miner, Hydrogeologist
Groundwater Protection Division
South Carolina Department of
Health and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Subject: **Site Status Update**
Former Tenneco Store No. 62838
800 NW First Street
Seneca, South Carolina
IT Project No. 408217.628

Dear Mr. Miner:

IT Corporation requests an extension of the suspense date for submitting the Environmental Assessment Report for the above referenced location in order to complete onsite assessment activities. As discussed in an earlier phone conversation on November 30, 1990, monitor well MW-4 (see attached figure) was installed to a depth of approximately 54 feet below surface grade and was screened within the underlying bedrock (see attached boring log). Static groundwater was measured at approximately 40 feet below surface grade. Representative groundwater samples were collected from this well on two separate occasions, November 30 and December 13, 1990, for dissolved hydrocarbon analysis (EPA 602). The results are illustrated in Table 1. The results have indicated that groundwater is present within the bedrock beneath the facility and that dissolved hydrocarbon compounds have been detected from representative samples collected of this groundwater.

Based on this information, IT proposed to complete the onsite assessment of the above referenced location with the installation of the two remaining monitor wells (MW-3 and MW-5) per the approved monitor well approval letter dated July 23, 1990. IT recommends that a third monitor well (MW-6) be installed in order to assess the complete onsite extent of the dissolved hydrocarbon plume. The attached Site Map illustrates the proposed locations. Due to the indecisive nature of the data previously obtained from rock quality designations (RQD) during the installation of monitor well MW-4, the three proposed monitor wells will be installed using air-rotary. This will aid in determining the approximate depth of the water-bearing zone(s) and will also shorten the drilling and installation time of the remaining wells, as well as lower the costs associated with drilling.

UST DOCUMENTING

The final assessment report will be completed as soon as possible after analytical results have been obtained from the proposed drilling and sampling activities. All soil and groundwater sampling events will be conducted as outlined in the IT Environmental Assessment Plan dated April 1990.

If you have any questions or comments concerning the above, please contact me at (803) 782-9932.

Sincerely,

John R. Isham
Hydrogeologist

cc: Dan D. Waters, Jr., Tenneco, Inc.

File

South Carolina
DHEC
Department of Health and Environmental Control
2600 Bull Street, Columbia, SC 29201

Commissioner: Michael D. Jarrett

Board: John B. Pate, MD, Chairman
William E. Applegate, III, Vice Chairman
John H. Burriss, Secretary
Toney Graham, Jr., MD
Richard E. Jabbour, DDS
Henry S. Jordan, MD
Currie B. Spivey, Jr.

Promoting Health, Protecting the Environment

January 4, 1991

Mr. D.D. Waters, Jr.
Tenneco, Incorporated
Building 400, Suite 106
1395 South Marietta Parkway
Marietta, Georgia 30067

Re: Former Tenneco 62838 (PCAS-6806)
800 NW First Street, Seneca
Oconee County

Dear Mr. Waters:

The S.C. Department of Health and Environmental Control (SCDHEC) has reviewed International Technology's January 2, 1991 status update and approved their additional proposed monitoring well (designated MW-6). A copy of the monitoring well approval form sent to International Technology has been enclosed. In accordance with IT's project schedule, an extension for submittal of the final report has been granted to March 25, 1991.

Please note that the sand pack in monitoring well 4 brackets the lower portion of the saprolite as well as the bedrock, therefore this office does not consider the presence of hydrocarbons in the bedrock as conclusive.

If you have any questions, feel free to call me at (803) 734-5327.

Sincerely,

Read S. Miner

Read S. Miner, Hydrogeologist
Trust Fund Section
Ground-Water Protection Division
Bureau of Drinking Water Protection

RSM/rsm
Tn62838.txt

Enclosure: Monitoring Well Approval Form

cc: John Isham (enclosure)
International Technology, Incorporated

Mark Harvley
Appalachia I District EQC

Tommy Hyde
Appalachia II District EQC

recycled paper

South Carolina
DHEC
Department of Health and Environmental Control
2600 Bull Street, Columbia, SC 29201

Commissioner: Michael D. Jarrett

Board: John B. Pate, MD, Chairman
William E. Applegate, III, Vice Chairman
John H. Burriss, Secretary
Toney Graham, Jr., MD
Richard E. Jabbour, DDS
Henry S. Jordan, MD
Currie B. Spivey, Jr.

Promoting Health, Protecting the Environment

Monitoring Well Approval

Approval is hereby granted to: International Technology, Inc.
3710 Landmark Drive, Suite 203
Columbia, S.C. 29204
attn: John Isham

Re: Former Tenneco 62838
800 NW First Street, Seneca
Oconee County

for the construction of monitoring well(s) designated MW-6 in accordance with the construction plans and specifications submitted on April 17,1990 and January 4, 1991. These well(s) will be constructed to the approximate depth of 50 feet below the surface for the purpose of monitoring ground-water contamination due to hydrocarbons.

Conditions: The latitude and longitude and actual construction details for each well must be submitted with the final report. Please contact Tommy Hyde of the Appalachia II District EQC Office (803-241-1090) at least 48 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 Department of Health and Environmental Control Regulations R.61-71.

Date of Issue: January 4, 1991

James R. Hess, P.G., Manager
Trust Section
Ground-Water Protection Division
Bureau of Drinking Water Protection

RSM/rsm
MW1872.txt
0104911872/rsm

cc: Tommy Hyde
Appalachia II District EQC

recycled paper

INTERNATIONAL TECHNOLOGY CORPORATION

RECEIVED
FEB 20 1991
GROUND-WATER
PROTECTION DIVISION

February 18, 1991

Mr. Read S. Miner, Hydrogeologist
South Carolina Department of Health
and Environmental Control
Groundwater Protection Division
2600 Bull Street
Columbia, South Carolina 29201

Subject: Monitor Well Completion Reports
Former Tenneco Service Station No. 62838
800 NW First Street
Seneca, South Carolina
IT Project No. 408217.628
SCDHEC PCAS No. 6806

Dear Mr. Miner:

Enclosed you will find the completed monitor well forms, scaled site map, and groundwater analytical data for wells MW-3, MW-5, and MW-6 at the above referenced location.

If you have any questions, please contact me at (803) 782-9932.

Sincerely,

John R. Isham
Hydrogeologist

Enclosures

USTDOC METING

SOUTH CAROLINA DEPA IENT OF HEALTH AND ENV NMENTAL CONTROL

Ground Water Protection Division | **2600 Bull Street** | **Columbia, S.C. 29201** | **(803) 734-5331** | **Water Well Record**

1. LOCATION OF WELL

County: OCONEE System Name: MW-3

Latitude: Longitude:

Distance And Direction from Road Intersections

Street address & City of Well Location

Sketch Map: (See example on back)

ATTACHED

4. OWNER OF WELL: Address TENNECO INC. ENV. AFFAIRS MARIETTA, GEORGIA

Telephone No. (404) 421-6190

Engineer Address IT CORPORATION 3710 LANDMARK DR. SUITE 203, COLUMBIA, SC 29204

Telephone No. (803) 782-9932

5. WELL DEPTH (Completed) 55 ft. Date Started: 1/15/91 Date Completed: 1/15/91

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 ☐ ____

8. CASING: ☒ Threaded ☐ Welded Diam. 2" Type ☒ PVC ☐ Galvanized ☐ Steel ☐ Other 0 in. to 37 ft. depth ____ in. to ____ ft. depth

Height: Above/Below Surface .5 ft. Weight ____ lbs./ft. Drive Shoe? ☐ Yes ☐ No

9. SCREEN: Type: SCH 40 Diam 2" Slot/Gauze .020 Length 18FT Set Between 37 ft. and 55 ft. ____ ft. and ____ ft. **NOTE: MULTIPLE SCREENS USE SECOND SHEET**

Sieve Analysis ☐ Yes (Please enclose) ☒ No

10. STATIC WATER LEVEL 39.48 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 35 ft. to 55 ft. Effective size FX 50 uniformity coefficient ____

14. WELL GROUTED? ☒ Yes ☐ No Neat Cement ☒ Sand Cement ☐ Concrete ☐ Other ☒ BENT 28-35 Depth From 0 ft. to 28 ft.

15. NEAREST SOURCE OF POSSIBLE CONTAMINATION: 50 Feet N Direction ____ Type Well disinfected upon completion ☐ Yes ☒ No Type GASOLINE 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

2. CUTTING SAMPLES ☐ Yes ☒ No

Geophysical Logs ☐ Yes (Please enclose) ☒ No

FORMATION DESCRIPTION	*THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
RED BROWN MICACEOUS SILTS	35'	35'
QUARTZ BIOTITE GNEISS	20'	55'
WATER-BEARING	35-55'	
* Indicate water bearing zones (use a 2nd sheet if needed)		

3. REMARKS SLIGHT HC ODOR IN GROUNDWATER

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 IT ENVIRONMENTAL ADDRESS OCALA, FL

Signed ____ AUTHORIZED REPRESENTATIVE CERT. NO. 794 Date 2/8/91

DHEC # 1903 (10/86) **COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)**

SOUTH CAROLINA DEPA IENT OF HEALTH AND ENV NMENTAL CONTROL

Ground Water Protection Division **2600 Bull Street** **Columbia, S.C. 29201** **(803) 734-5331** **Water Well Record**

1. LOCATION OF WELL

County: OCONEE System Name: MW-5

Latitude: Longitude:

Distance And Direction from Road Intersections

Street address & City of Well Location

Sketch Map: (See example on back)

ATTACHED

2. CUTTING SAMPLES ☐ Yes ☒ No

Geophysical Logs ☐ Yes (Please enclose) ☒ No

FORMATION DESCRIPTION	*THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
BROWN TO RED MICACEOUS		
SILTS	20	20
QUARTZ BIOTITE GNEISS	20	40
WATER NOT ENCOUNTERED		
* Indicate water bearing zones (use a 2nd sheet if needed)		

3. REMARKS

4. OWNER OF WELL: Address TENNECO INC. ENV. AFFAIRS MARIETTA, GEORGIA

Telephone No. (404) 421-6190

Engineer Address IT ENVIRONMENTAL 3710 LANDMARK SUITE 203, COLUMBIA, SC 29204 OR.

Telephone No. (803) 782-9932

5. WELL DEPTH (Completed) 40 ft. Date Started: 1/16/91 Date Completed: 1/16/91

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 ☐

8. CASING: ☒ Threaded ☐ Welded Diam. 2" Type ☒ PVC ☐ Galvanized ☐ Steel ☐ Other 0 in. to 22 ft. depth ____ in. to ____ ft. depth

Height: Above (Below) Surface .5 ft. Weight ____ lbs./ft. Drive Shoe? ☐ Yes ☐ No

9. SCREEN: Type: PVC Diam 2" Slot/Gauze .020 Length 18' Set Between 22 ft. and 40 ft. ____ ft. and ____ ft. **NOTE: MULTIPLE SCREENS USE SECOND SHEET**

Sieve Analysis ☐ Yes (Please enclose) ☒ No

10. STATIC WATER LEVEL DRY 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 40 ft. Effective size FX50 uniformity coefficient ____

14. WELL GROUTED? ☒ Yes ☐ No Neat Cement ☒ Sand Cement ☐ Concrete ☐ Other ☒ BENT 16-19 Depth From 0 ft. to 16 ft.

15. NEAREST SOURCE OF POSSIBLE CONTAMINATION: 75 Feet W Direction ____ Type Well disinfected upon completion ☐ Yes ☒ No Type GASOLINE 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 IT ENVIRONMENTAL ADDRESS OCALA, FL

CERT. NO. 794

Signed ____ Date 2/8/91

AUTHORIZED REPRESENTATIVE

DHEC # 1903 (10/86) **COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)**

SOUTH CAROLINA DEPA MENT OF HEALTH AND ENVI NMENTAL CONTROL

Ground Water Protection Division **2600 Bull Street** **Columbia, S.C. 29201** **(803) 734-5331** **Water Well Record**

1. LOCATION OF WELL

County: OCONEE System Name: MW-6

Latitude: Longitude:

Distance And Direction from Road Intersections

Street address & City of Well Location

Sketch Map: (See example on back)

ATTACHED

2. CUTTING SAMPLES ☐ Yes ☒ No

Geophysical Logs ☐ Yes (Please enclose) ☒ No

FORMATION DESCRIPTION	*THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
RED/BROWN MICACEOUS		
SILTS	35'	35'
QUARTZ BIOTITE GNEISS	20'	55'
WATER-BEARING ZONE	35'-55'	
* Indicate water bearing zones (use a 2nd sheet if needed)		

3. REMARKS

DISTINCT HC ODOR IN WATER

4. OWNER OF WELL Address: TENNECO INC. ENV. AFFAIRS MARIETTA, GEORGIA,

Telephone No: (404) 421-6190

Engineer Address: IT CORPORATION 3710 LANDMARK CIR SUITE 203, COLUMBIA, SC 29204

Telephone No: (803) 782-9932

5. WELL DEPTH (Completed) 55 ft. Date Started: 1/14/91 Date Completed: 1/14/91

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 ☐

8. CASING: ☒ Threaded ☐ Welded

Diam. 2"

Type ☒ PVC ☐ Galvanized ☐ Steel ☐ Other

0 in. to 37 ft. depth

in. to ft. depth

Height: Above (Below)

Surface .5 ft.

Weight lbs./ft.

Drive Shoe? ☐ Yes ☐ No

9. SCREEN:

Type: PVC Diam 2"

Slot/Gauze .020 Length 18'

Set Between 37 ft. and 55 ft.

ft. and ft.

NOTE: MULTIPLE SCREENS USE SECOND SHEET

Sieve Analysis ☐ Yes (Please enclose) ☒ No

10. STATIC WATER LEVEL

41.68 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 34 ft. to 55 ft.

Effective size FX50 uniformity coefficient

14. WELL GROUTED? ☒ Yes ☐ No

Neat Cement ☒ Sand Cement ☐ Concrete ☐ Other ☒ BENT 30-34

Depth From 0 ft. to 30 ft.

15. NEAREST SOURCE OF POSSIBLE CONTAMINATION: 50 Feet NW S Direction GASOLINE Type

Well disinfected upon completion ☐ Yes ☒ No Type 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: IT ENVIRONMENTAL ADDRESS: OCALA, FL

Signed: AUTHORIZED REPRESENTATIVE CERT. NO. 794 Date 2/8/91

DHEC # 1903 (10/86) **COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)**

Company IT Corporation
Date March 12, 1991

OCONEE COUNTY SEWER COMMISSION
PRETREATMENT PROGRAM QUESTIONNAIRE

Note to Signing Official: In accordance with Title 40 of the Code of Federal Regulations Part 403 Section 403.14, information and data provided in this questionnaire which identifies the nature and frequency of discharge shall be available to the public without restriction. Requests for confidential treatment of other information shall be governed by procedures specified in 40 CFR Part 2. Should a discharge permit be required for your facility, the information in this questionnaire will be used to issue the permit. A physical inspection of your facility may be required prior to the issuance of a permit.

A) GENERAL INFORMATION

1) Company Name: Tenneco, Inc. Business Phone (404)421-6190

2) Mailing Address: Building 400, Suite 106; 1395 S. Marietta Parkway
Marietta, GA 30067

3) Address of Premises: 800 NW First Street, Seneca, SC

4) Contact Official's Signature: JR Kelly (BY DIRECTION)

Name Katherine M. Kelly (Please Type or Print) Phone (803) 782-9932 (Emergency Number)

Title: General Manager

Address: 3710 Landmark Drive, Suite 203, Columbia, SC 29204

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete and accurate.

Responsible Official's Signature: [signature]
Manager of Remediation

Name: Dan D. Waters, Jr.
Please Type or Print

Title: Manager of Remediation Phone: (404) 421-6190
Emergency Number

B) WASTEWATER DISPOSAL METHOD

1) Does the company discharge any wastewater to the public sanitary sewer?
(X) Yes ( ) No

If yes, complete this questionnaire.

NOTE: Please answer all questions in this questionnaire. If a question does not apply to your particular facility, please specify not applicable or N/A.

USTDOCKETING

If no, indicate how wastewater disposal is made and return questionnaire with Sections A and B completed.

( ) On site, i.e., septic tank
( ) Treated and discharged to a stream
( ) Other _____

C) Product Information and Plant Operational Characteristics

1) Give a brief description of manufacturing or service activity on the premises and identify the applicable Standard Industrial Classification Code (SIC):

Existing Red Diamond Gasoline Service Station with planned groundwater remediation pretreatment system to remediate petroleum hydrocarbon impacted groundwater.

SIC No.(s) 5541

2) List specifically any manufacturing process or other activity that results in a wastewater discharge from your premises to the sewer system:

Petroleum hydrocarbon impacted groundwater will be pumped from a groundwater recovery well to the pretreatment system. After pretreatment, the wastewater will be discharged to the sewer system via an existing sewer line.

3) What are the principal raw materials used?

Hydrocarbon impacted groundwater

4) Please list any catalysts or intermediates that are used. N/A

5) What are your principal products or services? (Use Standard Industrial Classification Manual if appropriate)

Groundwater Remediation

6) Check all additional activities conducted at your premises:

___ Electroplating
___ Laboratory
___ Machine Shop, Repair Shop, Garage
___ Painting, Finishing
___ Photographic Processing
___ Printing
___ Other (Specify) N/A

___ Steam Production
___ Boiler Water Treatment
___ Air Compressors, Blowdown
___ Air Conditioning, Cooling Towers

7) Is there a scheduled shutdown? (X) Yes ( ) No

If yes, when? Expected duration of groundwater pretreatment is 12-24 months.

8) Is production seasonal? ( ) Yes (X) No

If yes, explain indicating month (s) of peak production.

9) a. Indicate the average number of employees at this facility: 1

b. How many days per week do you discharge to the sewer system? 7

c. How many hours per day do you discharge to the sewer system? 24

d. List below the approximate percent of your total discharge that occurs during each shift.

1st 33 1/3
2nd 33 1/3
3rd 33 1/3

The discharge will be continuous from groundwater pretreatment at 1.0 gpm.

10) Is there a Spill Prevention Control and Countermeasure Plan in effect for this plant? (X) Yes ( ) No

11) Are any of the Chemical Compounds listed in Table 1 (see page 9 & 10) being used at this facility as a raw material or being produced as a product or by-product?

If so, please indicate by a check mark on Table 1.

Plus xylenes (not included on list)

12) For those compounds checked on Table 1 and discharged to the sanitary sewer, please provide the information requested below:

Chemical Compound	Estimated Loss to Sewer (lbs/day)
Benzene	0.0223
Toluene	0.0302
Ethylbenzene	0.0032
Xylenes	0.0183
Naphthalene	0.0009
Lead (total)	<0.0012 (Suspected Present

D) Water and Wastewater Systems

When the "worst case" well analysis becomes available, a copy will be forwarded.

1) Describe the source(s) of your raw water supply:

Source	Quantity (gallons per day
City or Private Water Co. (Account No. _____)	
Water Company Name _____	
Address _____	
Private Well	
Other Groundwater Recovery Well	1,440 gpd

2) For discharges to the sanitary sewer system, are there any flow meter devices, flow equalization tanks, or wastewater treatment equipment and/or processes in use? (x) Yes ( ) No

If so,

a) describe. Pretreatment consists of an aeration (sparging) tank. If necessary, liquid-phase carbon adsorption units may be employed The treatment system will include a flow meter with totalizer.

b) Are there any bypass lines around this equipment?

( ) Yes (x) No

3) Provide your best estimate of water consumption in the plant.

Domestic and sanitary usage	N/A	GPD
Cooling Water	N/A	GPD
Boiler Feed	N/A	GPD
Process Water (including cleanup)	N/A	GPD
Contained in product	N/A	GPD
Other _____	N/A	GPD
Total	N/A	GPD

4) Provide your best estimate of average volume of discharge or water loss to the following:

Steam production	N/A	GPD
Sanitary sewer	N/A	GPD
Surface waters or storm sewer	N/A	GPD
Waste hauler	N/A	GPD
Evaporation	N/A	GPD
Contained in product	N/A	GPD
Other _____	N/A	GPD
Total	N/A	GPD

5) Provide your best estimate of the average volume of discharge to the sanitary sewer.

Domestic or sanitary sewage	N/A	GPD
Cooling tower blowdown	N/A	GPD
Process waters (including cleanup)	N/A	GPD
Other Groundwater Treatment System	1,440	GPD
Total	1,440	GPD

6) Are there any batch discharges from your production process to the sanitary sewer? (for example, periodically draining a process tank, etc.) ( ) Yes (x) No

If so, a) what is the frequency of discharge? N/A

b) what is the average volume of each discharge?

N/A Gallons

c) what is the average rate of flow of each discharge?

N/A GPM

d) describe the nature or characteristics of the wastewater discharged. N/A

7) List all plant sewer outlets, including pipe size (inches) and rate of flow (GPD). Attach and refer to a floor plan of your plant and sewer layout. Show any floor drains in the plant.

Reference No.	Sewer Size (inches)	Average Flow(GPD)
1	2" line from pretreatment to existing 4" sewer lateral	1440 GPD
2		
3		

Refer to attached site map at back of application.

E) Chemicals:

Please attach a list of chemicals used at this facility. (other than those listed in Table 1)

F) Pretreatment:

1) Is this plant subject to any existing pretreatment standards? No

G) Solid Waste, Oils, Grease, Sludges, Solvents, etc.

1) Are any residual wastes or sludges generated and not disposed of in the sewer system? (ex. oils, grease, etc.) ( ) Yes (X) No

2) For those processes or operations which produce wastes such as solid-waste oils, grease, sudges, solvents or wastes transported off site which are NOT discharged into city or storm sewers or to surface waters, complete the following:

(Use separate form for each waste steam)

Waste Steam No. N/A

Description of process or operation producing waste N/A

Brief characterization of waste N/A

Annual waste production N/A tons/yrs. _____ gal/yr.

Frequency of waste production: _____ seasonal _____ occasional

_____ continual _____ other (specify) _____

Waste Composition

a. Average percent solids <1 % b. pH range 5 to 8

c. Physical state: X liquid, _____ slurry, _____ sludge,

_____ solid, _____ other (specify) _____

d. Hazardous properties of waste: _____ flammable _____ toxic _____ reactive

_____ explosive _____ infectious _____ corrosive _____ other (specify) X

Nonhazardous

Transportation

a. Waste hauled off site by N/A you _____ others

b. Name of waste hauler N/A

Address _____
Street City

_____
State Zip Code Phone

Treatment and Disposal

a. Treatment of disposal: X on site _____ off site

b. Waste is _____ reclaimed X treated _____ land disposed

_____incinerated _____ other (specify) _____

c. Off site facility receiving waste

Name of Facility N/A

Facility Operator _____

Facility Location _____
Street City

_____
State Zip Code Phone

On site storage for greater than 90 days N/A

a. Method: _____ drum, _____ roll-off container, _____ tank, _____ lagoon,

_____ other (specify) _____

b. Typical length of time waste stored _____ days _____ weeks, _____ months

c. Typical volume of waste stored _____ tons, _____ gallons

d. Is storage site diked? _____ Yes _____ No

e. Surface drainage collection _____ Yes _____ No

Company IT Corporation

LIST OF EPA PRIORITY POLLUTANTS

TABLE 1

COMPOUND NAME

—	1.	*acenaphthene
—	2.	*acrolein
—	3.	*acrylonitrile
X	4.	*benzene
—	5.	*benzidine
—	6.	*carbon tetrachloride (tetrachloromethane)
		*chlorinated benzenes (other than dichlorobenzenes)
—	7.	chlorobenzene
—	8.	1,2,4-trichlorobenzene
—	9.	hexachlorobenzene
		*chlorinated ethanes (including 1,2-dichloroethane. 1,1,1-trichloroethane and hexachloroethane)
—	10.	1,2-dichloroethane
—	11.	1,1,1-trichloroethane
—	12.	hexachloroethane
—	13.	1,1-dichloroethane
—	14.	1,1,2-trichloroethane
—	15.	1,1,2,2-tetrachloroethane
—	16.	chloroethane
		*chloroalkyl ethers (chloromethyl, chloroethyl and mixed ethers)
—	17.	bis(chloromethyl) ether
—	18.	bis(2-chloroethyl) ether
—	19.	2-chloroethyl vinyl ether (mixed)
		*chlorinated naphthalene
—	20.	2-chloronaphthalene
		*chlorinated phenols (other than those listed elsewhere; includes trichlorophenols and chlorinated cresols)
—	21.	2,4,6-trichlorophenol
—	22.	parachlorometa cresol
—	23.	*chloroform (trichloromethane)
—	24.	*2-chlorophenol
		*dichlorobenzenes
—	25.	1,2-dichlorobenzene
—	26.	1,3-dichlorobenzene
—	27.	1,4-dichlorobenzene
		*dichlorobenzidine
—	28.	3,3'-dichlorobenzidine
		*dichloroethylenes (1,1-dichloroethylene and 1,2-dichloroethylene)
—	29.	1,1-dichloroethylene
—	30.	1,2-trans-dichloroethylene
—	31.	*2,4-dichlorophenol
		*dichloropropane and dichloropropene
—	32.	1,2-dichloropropane
—	33.	1,2-dichloropropylene (1,3-dichloropropene)
—	34.	*2,4-dimethylphenol
		*dinitrotoluene
—	35.	2,4-dinitrotoluene
—	36.	2,6-dinitrotoluene
—	37.	*1,2-diphenylhydrazine
X	38.	*ethylbenzene
—	39.	*fluoranthene
		*haloethers (other than those listed elsewhere)
—	40.	4-chlorophenyl phenyl ether
—	41.	4-bromophenyl phenyl ether
—	42.	bis(2-chloroisopropyl) ether
—	43.	bis(2-chloroethoxyl) methane
		*halomethanes (other than those listed elsewhere)
—	44.	methylene chloride (dichloromethane)
—	45.	methyl chloride (chloromethane)
—	46.	methyl bromide (bromomethane)
—	47.	bromoform (tribromomethane)
—	48.	dichlorobromomethane
—	49.	trichlorofluoromethane
—	50.	dichlorodifluoromethane
—	51.	chlorodibromomethane
—	52.	*hexachlorobutadiene
—	53.	*hexachlorocyclopentadiene
—	54.	*isophorone
X	55.	*naphthalene
—	56.	*nitrobenzene
		*nitrophenols (including 2,4-dinitrophenol and dinitrocresol)
—	57.	2-nitrophenol
—	58.	4-nitrophenol
—	59.	*2,4-dinitrophenol
—	60.	4,6-dinitro-o-cresol
		*nitrosamines
—	61.	N-nitrosodimethylamine
—	62.	N-nitrosodiphenylamine
—	63.	N-nitrosodi-n-propylamine
—	64.	*pentachlorophenol
—	65.	*phenol
		*phthalate esters
—	66.	bis(2-ethylhexyl)phthalate
—	67.	butylbenzyl phthalate
—	68.	di-n-butyl phthalate
—	69.	di-n-octyl phthalate
—	70.	diethyl phthalate
—	71.	dimethyl phthalate
		*polynuclear aromatic hydrocarbons

72. benzo(a)anthracene (1,2-benzanthracene)
__73. benzo(a)pyrene (3,4-benzopyrene)
__74. 3,4-benzofluoranthene
__75. benzo(k)fluoranthane (11,12-benzofluoranthene)
__76. chrysene
__77. acenaphthylene
__78. anthracene
__79. benzo(ghi)perylene (1,12-benzoperylene)
__80. fluorene
__81. phenanthrene
__82. dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene)
__83. indeno (1,2,3-cd) pyrene (2,3-o-*phenylenepyrene)
__84. pyrene
__85. *tetrachloroethylene
X 86. *toluene
__87. *trichloroethylene
__88. *vinyl chloride (chloroethylene)

pesticides and metabolites
__89. *aldrin
__90. *dieldrin
91. *chlordane (technical mixture & metabolites)

*DDT and metabolites
__92. 4,4'-DDT
__93. 4,4'-DDE (p,p' DDX)
__94. 4,4'-DDD (p,p' TED)

*endosulfan and metabolites
__95. a-endosulfan-Alpha
__96. b-endosulfan-Beta
__97. endosulfan sulfate

*endrin and metabolites
__98. endrin
__99. endrin aldehyde

*heptachlor and metabolites
__100. heptachlor
__101. heptachlor epoxide

*hexachlorocyclohexane (all isomers)
__102. a-BHC-Alpha
__103. b-BHC-Beta
__104. r-BHC(lindane)-Gamma
__105. g-BHC-Delta

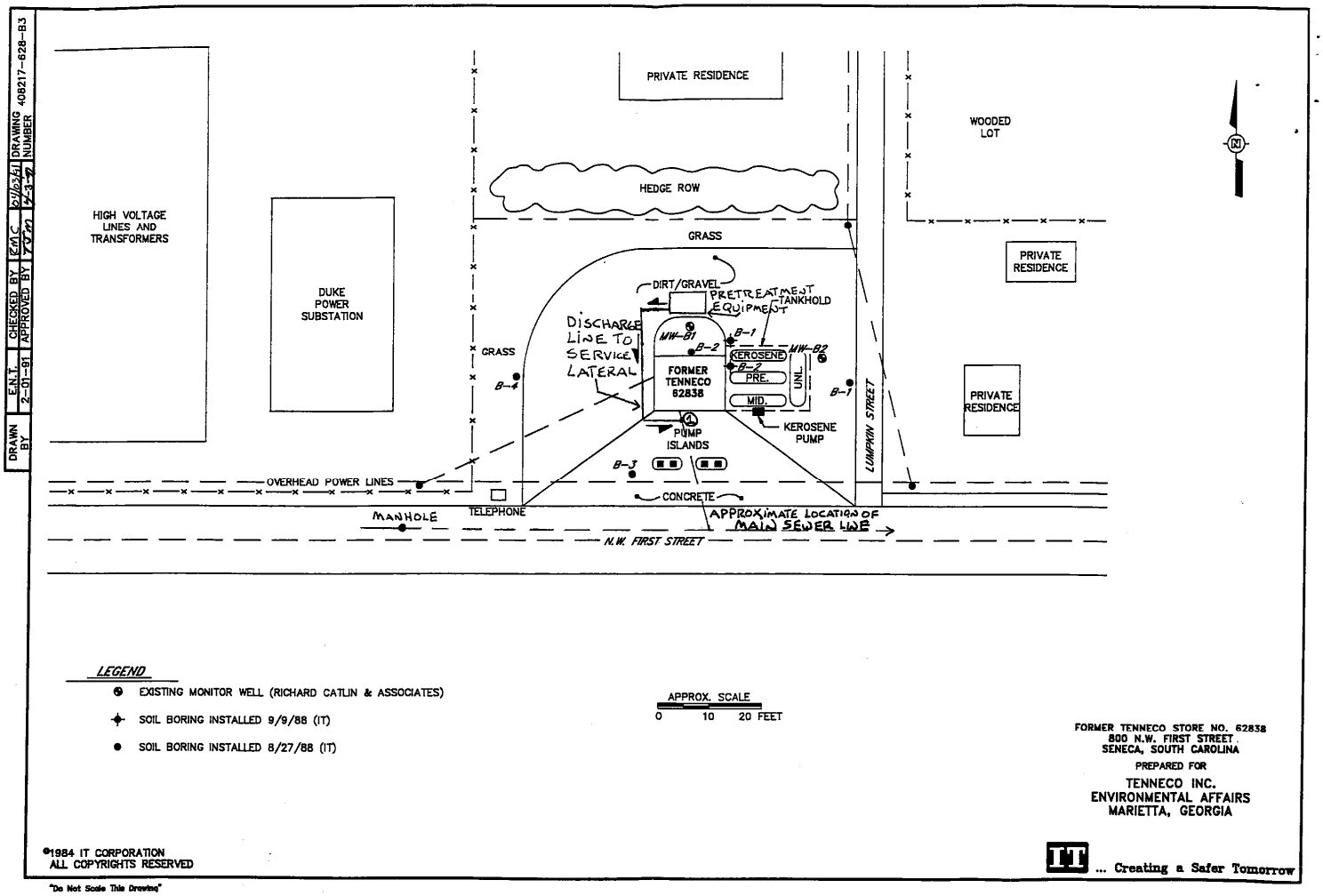
*polychlorinated biphenyls (PCB's)
__106. PCB-1242 (Arochlor 1242)
__107. PCB-1254 (Arochlor 1254)
__108. PCB-1221 (Arochlor 1221)
__109. PCB-1232 (Arochlor 1232)
110. PCB-1248 (Arochlor 1248)
11. PCB-1260 (Arochlor 1260)
__12. PCB-1016 (Arochlor 1016)
__113. *toxaphene
__114. *antimony (total)
__115. *arsenic (total)
__116. *asbestos (fibrous)
__117. *beryllium (total)
__118. *cadmium (total)
__119. *chromium (total)
__120. *copper (total)
__121. *cyanide (total)
X 122. *lead (total) Suspected Present
__123. *mercury (total)
__124. *nickel (total)
__125. *selenium (total)
__126. *silver (total)
__127. *thallium (total)
__128. *zinc (total)
__129. **2,3,7,8-tetrachlorodibenzo p-dioxin (TCDD)

*Specific compounds and chemical classes as listed in the consent degree.

**This compound was specifically listed in the consent degree. Because of the extreme toxicity (TCDD), EPA recommends that laboratories not acquire analytical standard for this compound.

__130A. ***barium

***This compound, although not listed above as an EPA Piority Pollutant, is regulated by the Oconee County Sewer Commission.



FORMER TENNECO STORE NO. 62838
800 N.W. FIRST STREET
SENECA, SOUTH CAROLINA

PREPARED FOR

TENNECO INC.
ENVIRONMENTAL AFFAIRS
MARIETTA, GEORGIA

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IT ... Creating a Safer Tomorrow

"Do Not Scale This Drawing"

Page _____ of _____

SPL Environmental Laboratories, Inc.
104 Guilbeau Road
Lafayette, Louisiana 70506
(318) 984-2374

Analysis Request and Chain of Custody Record

Sample submitted by: Brad Hammel

Client/Project Name: Tenneco / Former Tenneco 628838

Company	Address	Contact	Project Location	Project No.
IT Corporation	3710 Landmark Dr. Suite 203 Columbia, SC 29204	Brad Hammel Phone: 803 782-9932	Seneca, SC	408817.628

Field Sample No./ Identification	Date and Time	Grab	Comp	Sample Container (Size/Matl)	Sample Type (Liquid, Soil Sludge, Etc.)	Preservative	ANALYSIS REQUESTED TEST	METHOD	REMARKS
									1X-3 40C
MW-4	12/13/90 1255	X		(2) VOA vials 80ml	Groundwater	Ice	BTEX	EPA 602	BTEX only! DC @ 12-20-90

Samplers: (Signature)	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Intact
IT CORP Affiliation	Relinquished by: (Signature)	Date: 12/13/90 Time: 5:35pm	Received by: (Signature)	Date: Time:	Intact
IT Corporation IT CORP	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Intact
SAMPLER REMARKS:			Received for laboratory: (Signature)	Date: 12-14-90 Time: 1135	Laboratory No.
Seal #			Data Results to:		

INTERNATIONAL TECHNOLOGY CORPORATION

March 18, 1991

Mr. Read S. Miner, Hydrogeologist
Groundwater Protection Division
South Carolina Department of
Health and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Subject: **Request For Assessment Extension**
Former Tenneco Store No. 62838
800 NW First Street
Seneca, South Carolina
IT Project No. 408217.628
SCDHEC PCAS No. 6806

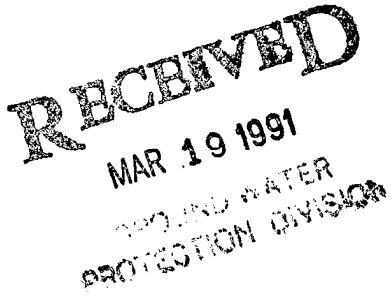
PCAS- 6806

Dear Mr. Miner:

IT Corporation (IT) requests a short extension of the anticipated assessment report submittal date of March 25, 1991 so that recent groundwater analytical results can be incorporated into the final report.

Monitor well MW-5 (upgradient of the site) was found to be dry immediately after completion on January 16, 1991. A groundwater sample was not collected. During a recent monitoring visit to the site on March 12, 1991, monitor well MW-5 was found to contain approximately 5 feet of water. In order to complete the onsite assessment, a representative sample was collected from well MW-5 on March 12, 1991 for BTEX analysis. As soon as the data has been received from the laboratory, the final report will be completed and reviewed by Tenneco.

The anticipated submittal date for the above referenced assessment report is April 15, 1991.



Regional Office
3710 Landmark Drive • Suite 203 • Columbia, South Carolina 29204 • 803-782-9932

IT Corporation is a wholly owned subsidiary of International Technology Corporation

If you have any questions or comments concerning the above, please contact me at (803) 782-9932.

Sincerely,

John R. Isham
Hydrogeologist

cc: Dan D. Waters, Jr., Tenneco, Inc.

RECEIVED
MAR 19 1991
GROUND-WATER
PROTECTION

INTERNATIONAL TECHNOLOGY CORPORATION

April 9, 1991

RECEIVED
APR 11 1991
PROTECTION DIVISION

Robert C. Winchester
General Superintendent
Oconee County Sewer Commission
Route 6, Box 525
Seneca, South Carolina 29678

Subject: **Request to Tie-in Pretreatment System Discharge Line to Sewer Lateral**
Former Tenneco Location No. 62838
SCDHEC PCAS No. 6806
800 NW First Street
Seneca, South Carolina

Dear Mr. Winchester:

Attached find a completed Pretreatment Program Questionaire for the above referenced location.

We request approval to discharge pretreated wastewater into the sewer system. Pretreatment will consist of an aeration tank; if necessary, carbon adsorption units may be employed.

The flow rate from the pretreatment system into the sewer will be approximately 1.0 gpm or 1440 gpd. The pretreatment system will operate continuously; the remediation period is expected to last only 12 to 24 months. The system's effluent concentrations of EPA priority pollutants will not exceed OCSC discharge limitations.

The South Carolina Department of Health and Environmental Control (SCDHEC) will be copied on all correspondences and will be heavily involved in inspection and maintenance aspects of the pretreatment system.

If possible, we request permission to tie-in to the sevice lateral rather than the main sewer line. The lateral line will require less trenching and will prevent cutting and patching Northwest First Street. We have calculated that the planned 1.0 gpm flow rate from the pretreatment system will not cause the lateral to exceed capacity. Assuming the lateral is on a 1/8-inch per foot slope and consists of a 4-inch diameter line, the line should have a capacity of 100 gpm. The existing service station produces approximately 400 gpd or 0.3 gpm; the combined flow of the service station and pretreatment sytem falls far short of the lateral's capacity of 100 gpm.

Difficulties should not arise from the dual service connection, since the station and pretreatment system's owners are cooperating in this endeavor.

Regional Office
3710 Landmark Drive • Suite 203 • Columbia, South Carolina 29204 • 803-782-9932

IT Corporation is a wholly owned subsidiary of International Technology Corporation

DOCKETING 8351 UST

The planned discharge will not contain grease or oils. The duration of the treatment system is finite.

If you have any questions regarding the tie-in or the pretreatment system, do not hesitate to call Tom Margle or me at (803) 782-9932.

Sincerely,

Robert M. Carini

Robert M. Carini
Civil Engineer

Attachment

cc: Brian Cobb, Tenneco, Inc.
Read S. Miner, SCDHEC

RECEIVED
APR 11 1991

INTERNATIONAL TECHNOLOGY CORPORATION

RECEIVED
APR 29 1991
GROUND PROTECTION

April 26, 1991

Mr. Brian Cobb
Environmental Engineer
Tenneco, Inc.
1395 S. Marietta Parkway
Marietta, Georgia 30067

Subject: **POTW Wastewater Discharge Option**
Former Tenneco Location No. 62838
800 NW First Street
Seneca, South Carolina
IT Project No. 408217.628

Dear Brian:

Attached please find a correspondence from the Oconee County Sewer Commission for the above referenced location; IT is actively investigating other discharge options.

In the near future, slug and infiltration tests will be conducted at the site. Subsequent modeling will determine the feasibility of an infiltration gallery as a wastewater discharge option.

As a last resort, the NPDES option remains a viable alternative at this point.

If you have any questions, please contact John Isham or me at (803) 782-9932.

Sincerely,

Robert M. Carini

Robert M. Carini
Civil Engineer

Attachment

cc: Read S. Miner, SCDHEC

USA DOCKETING 0478

OCSC Oconee County Sewer Commission
Route 6 Box 525 • Seneca, South Carolina 29678
803-972-3900

April 22, 1991

Mr. Robert M. Carini
International Technology Corporation
3710 Landmark Drive
Suite 203
Columbia, S.C. 29204

RE: Discharge Of Contaminated Groundwater From A Gasoline Station

Dear Mr. Carini:

The submitted request to discharge groundwater from a recovery well to a pretreatment system containing petroleum hydrocarbon has been denied. Denial was noted due to the current moratorium placed on this facility by the South Carolina Department of Health and Environmental Control. This Consent Order 90-24-W does not allow any additional flows from pretreatment equipment such as this. Several applications of such equipment have already been denied. It is our hope that the current moratorium will be resolved in the next few months. After the resolution of the Consent Order (moratorium), such additional flows may be considered. A copy of this request and denial will be sent to DHEC.

If you have any questions and/or comments, feel free to contact me at the Industrial Pretreatment Department.

Sincerely,

Edd Mize

Edd Mize
Industrial Pretreatment Coordinator

RECEIVED APR 2 6 1991

cc: Bob Winchester
Commissioners
Brian Rivers, SCDHEC
Mike Montebello, SCDHEC
Larry Brandt, County Attorney
Norman Crain
File

RECEIVED
APR 29 1991

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

November 25, 1991

Mr. D.D. Waters, Jr.
Tenneco, Incorporated
Building 400, Suite 106
1395 South Marietta Parkway
Marietta, Georgia 30067

Re: Former Tenneco 62838 (PCAS-6806)
GWPD Site ID #07303
800 NW First Street, Seneca
Oconee County

Dear Mr. Waters:

The S.C. Department of Health and Environmental Control (SCDHEC) has reviewed and approved International Technology's (IT) May 1991 assessment report/plan for the referenced facility with the following additions as discussed telephonically with Brad Hammel of IT on November 18, 1991.

To fully define the extent of the hydrocarbon plume, the SCDHEC has recommended the installation of 4 water table and 1 vertical assessment well (in additional to IT's proposed wells 7 and 8). The discussed locations are as follows:

1) between the Duke Power Station and NW First Street

2) East of the Duke Power Station and Southwest of MW-4

3) North of the hedge row and South of the private residence

4) Northeast of AB-4 and East of Lumpkin Street

5) vertical assessment well to be paired with MW-6

The SCDHEC recognizes that offsite access and logistical difficulties may preclude the installation of all of the requested monitoring wells. The SCDHEC should be contacted promptly if any changes or deletions of monitoring wells are required or if site access is denied.

Approval has been granted to install the vertical assessment well using telescoping techniques. The surface casing should be installed to a depth in excess of 57 feet below land surface and the 5 foot long well screen is anticipated to be set at a depth of approximately 70 to 75 feet bls. This office should be contacted if any alternative methodology for installation of the deep well is proposed.

recycled paper

A copy of the monitoring well approval form sent to International Technology has been enclosed. The SCDHEC requires submittal of the final assessment report (3 copies) on or before March 31, 1991. If the approximate extent of the plume has been defined with this phase of investigation, the assessment report may be replaced by the submittal of a Corrective Action Plan (CAP) (3 copies) by that same date. The SCDHEC must be notified in writing of any site access difficulties so that appropriate actions can be taken.

If you have any questions, feel free to call me at (803) 734-5327.

Sincerely,

Read S Miner

Read S. Miner, Hydrogeologist
UST State Corrective Action Section
Ground-Water Protection Division
Bureau of Drinking Water Protection

RSM/rsm
6806TENN.TXT

Enclosure: Monitoring Well Approval Form

cc: Brad Hammel (enclosure)
International Technology, Incorporated

Mark Harvley
Appalachia I District EQC

Tommy Hyde
Appalachia II District EQC

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

Monitoring Well Approval

Approval is hereby granted to: International Technology, Inc.
3710 Landmark Drive, Suite 203
Columbia, S.C. 29204
Attn: Brad Hammel

Re: Former Tenneco 62838
GWPD Site ID #07303
800 NW First Street, Seneca
Oconee County

for the construction of monitoring well(s) designated MW-7 to MW-12 and PW-13 in accordance with the construction plans and specifications submitted on May 16, 1991 and conditions outlined in the attached SCDHEC correspondence. These well(s) will be constructed to the approximate depth of 40 and 75 feet below the surface for the purpose of monitoring ground-water quality.

Conditions: The latitude and longitude and actual construction details for each well must be submitted with the final report. That the detection of any free product or dissolved hydrocarbon constituents be reported to the Department in accordance with Section 280.50(a) of the South Carolina Underground Storage Tank Control Regulations.

Please contact Tommy Hyde of the Appalachia II District EQC Office (803-241-1090) at least 48 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 Department of Health and Environmental Control Regulations R.61-71.

Date of Issue: November 18, 1991

James R. Hess, P.G., Manager
UST State Corrective Action Section
Ground-Water Protection Division
Bureau of Drinking Water Protection

RSM/rsm
MW2929.txt
1118912929/rsm

cc: Tommy Hyde
Appalachia II District EQC

recycled paper

INTERNATIONAL TECHNOLOGY CORPORATION

CERTIFIED MAIL

6806
07303

December 13, 1991

RECEIVED
DEC 23 1991

Mr. James G. Montague
Route 3, Box 50
Seneca, SC 29678

Tenneco 62838 Oconee County

Subject: Request to Install Monitoring Well
Tax Map No. 520-22, Block No. 01, Lot No. 33
Seneca, South Carolina
IT Project No. 408217.628

Dear Mr. Montague:

IT Corporation (IT), on behalf of Tenneco, Inc., Environmental Affairs, requests your permission to install a temporary groundwater monitoring well at the above referenced property in Seneca, South Carolina. The installation of the well is required by the South Carolina Department of Health and Environmental Control (SCDHEC) to complete an Environmental Assessment for the adjacent gasoline station (formerly owned by Tenneco, Inc.) located at 800 West North First Street. Please contact Mr. Read Miner of SCDHEC at (803) 734-5327 if you have any question regarding the monitoring well installation.

IT proposes to install a monitoring well in the approximate location shown on the attached site map (labelled MW-10). The proposed location is the grassy area behind the hedge row that creates the physical barrier between your property and Former Tenneco Store No. 62838. The exact location can be determined during a site visit by IT personnel. The well will be constructed of PVC pipe to a depth of 40 feet. The well will be locked and protected by an 8-inch, flush-mounted, bolt-down manhole cover and labelled as a monitoring well. A diagram of a typical monitoring well construction detail is attached. Access to the well for groundwater measurements and sampling will be required on an approximate monthly basis. The drilling will be performed by a South Carolina licensed driller, and well installation procedures will be in accordance with SCDHEC regulations (R-61-71).

The objective of the well installation is to allow IT to collect representative groundwater and soil samples for chemical analyses to determine if any impact has occurred to the adjacent properties. If it is determined that petroleum hydrocarbons have migrated off the Tenneco site, remediation will be addressed by Tenneco, Inc.

Regional Office
3710 Landmark Drive • Suite 203 • Columbia, South Carolina 29204 • 803-782-9932

IT Corporation is a wholly owned subsidiary of International Technology Corporation

When the well installation and sampling have been completed all debris from our activities will be cleaned up and removed from your property. The well will be properly abandoned (i.e. grouted to the surface) once it has served its purpose. The expected time that the well will be monitored is one to two years.

IT will provide sufficient notice prior to initiating any work on the property. The Palmetto Utilities Locating Service will be contacted to determine if any underground utility lines exist in the proposed drilling location. Please inform us if you know of any utility lines that may be in the area.

Enclosed are two (2) copies of a Temporary Access Agreement to allow IT Corporation to install a monitoring well at the above referenced location. If the proposed activities meet with your approval, please sign and return both copies of the Temporary Access Agreement. IT will return a fully executed copy for your records.

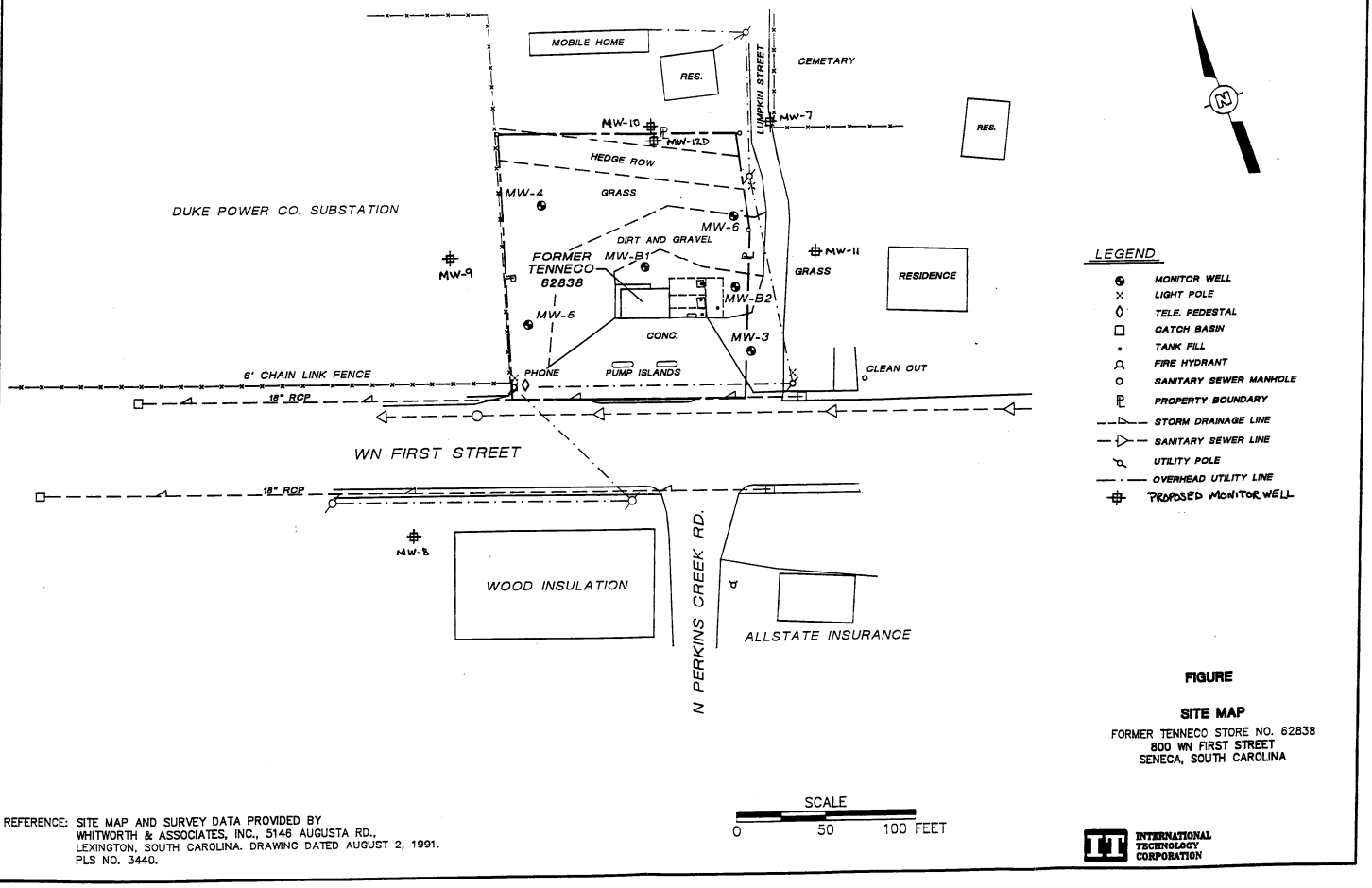
If you have any questions or require further information, please contact me at (803) 782-9932. Your cooperation in this matter is greatly appreciated.

Sincerely,

Bradley S. Hammel
Project Geologist

cc: Brian Cobb, Tenneco, Inc.
Read Miner, SCDHEC

Attachments



DRAWN BY | CHECKED BY | APPROVED BY | DRAWING NUMBER 408217.628-B

628BASE 12/18/91 0:23pm CAB

REFERENCE: SITE MAP AND SURVEY DATA PROVIDED BY WHITWORTH & ASSOCIATES, INC., 5146 AUGUSTA RD., LEXINGTON, SOUTH CAROLINA. DRAWING DATED AUGUST 2, 1991. PLS NO. 3440.

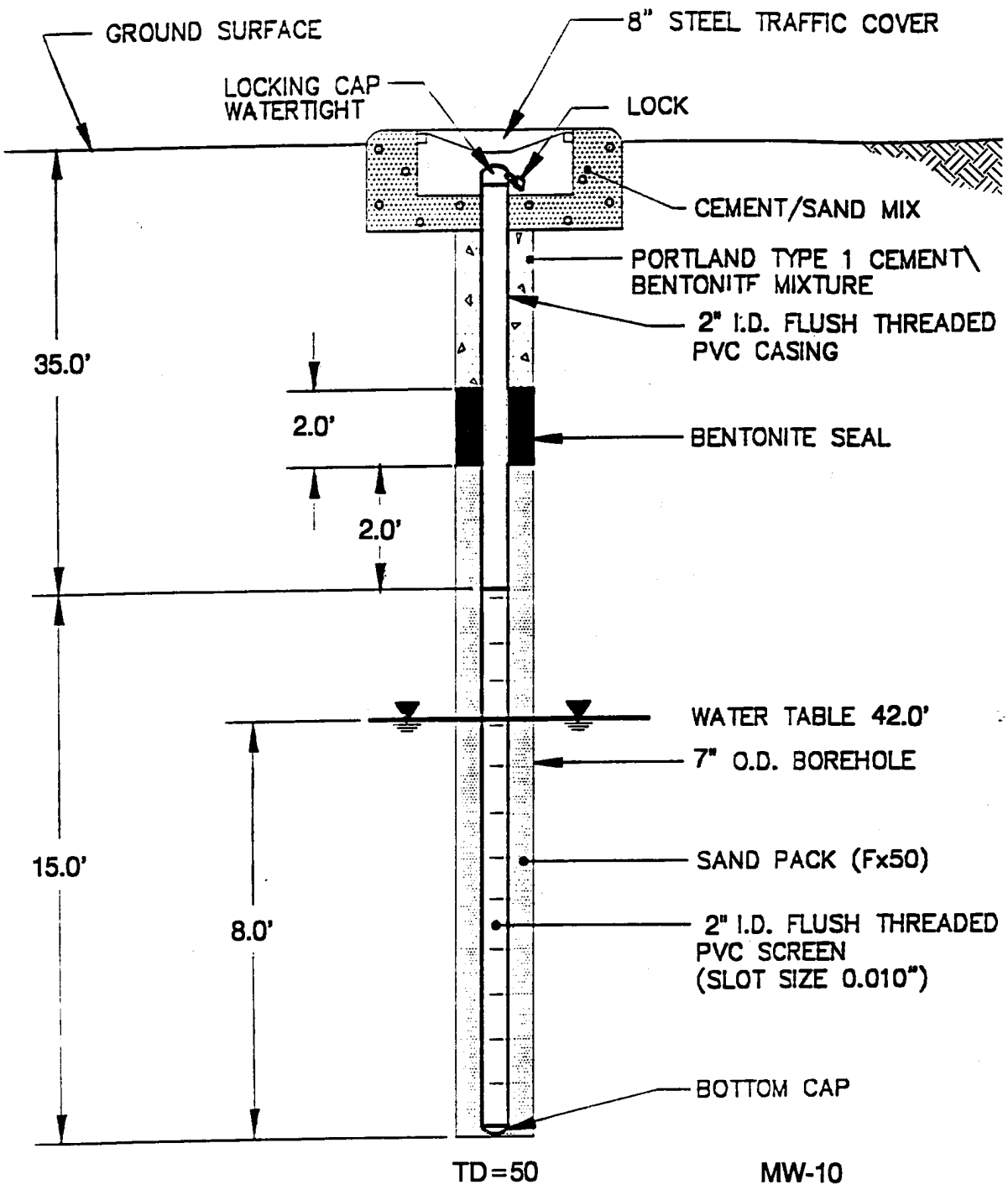
FIGURE

SITE MAP

FORMER TENNECO STORE NO. 62838
800 WN FIRST STREET
SENECA, SOUTH CAROLINA

INTERNATIONAL TECHNOLOGY CORPORATION

DRAWING NUMBER	408216-121-A9
CHECKED BY	
APPROVED BY	
C.A.L.	8-13-90
DRAWN BY	



MW-10

NOT TO SCALE

RECORD DRAWING
MONITOR WELL CONSTRUCTION

FORMER TENNECO STORE NO. 62838
800 WN FIRST STREET
SENECA, SOUTH CAROLINA

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ALL COPYRIGHTS RESERVED

... Creating a Safer Tomorrow

"Do Not Scale This Drawing"

TEMPORARY ACCESS AGREEMENT

This Temporary Access Agreement ("Agreement") is entered into this ___ day of _____, 1991 by and between _____, ("Grantor") and IT Corporation ("IT").

WITNESSETH:

WHEREAS, Grantor owns a parcel of real estate (the "Property") located at _____ _____ which adjoins to the _____ property owned by _____ (IT's Client).

WHEREAS, IT has right of entry onto IT's Client's property; and

WHEREAS, the State of _____ (the "State") has directed IT's Client to take measures to investigate and remediate any underground contaminants in the vicinity of its Property; and

WHEREAS, IT has been retained by IT's Client to undertake work, as required by the State as hereinafter defined, on the Property; and

NOW, THEREFORE, in consideration of the mutual covenants, contained herein, the parties agree as follows:

1. Grantor hereby grants IT and/or IT's Client, their officers, directors, agents, employees, and subcontractors, the right to enter the Property for the purpose of conducting the Work.

2. The term of this Agreement shall commence on the date of execution of this Agreement and shall continue until State requirements are met or the change of ownership of the Property.

3. The "Work" shall include installation, operation and maintenance of ground water monitor wells on the Property and such additional activities related to the monitor wells as may be required by the State.

4. All Work undertaken by IT shall be commenced, prosecuted and completed in a workmanlike manner. Restoration of the Property to a condition substantially equal to that existing immediately prior to the commencement of the Work shall commence as soon as practical after completion of the Work and shall be promptly completed.

5. The Work is expected to continue until State requirements are satisfied.

6. The Work shall be undertaken at IT's Client's sole cost and expense.

7. This Agreement may be extended, modified or terminated by a written amendment signed by both parties; shall be governed by the laws of the State of _____; is the complete agreement between the parties; shall be litigated, if necessary, by a court of competent jurisdiction local to the Property, shall be interpreted so far as possible to give validity and force to accomplish the overall purposes expressed in it; and may be executed in any number of counterparts, each deemed to be an original. In the event of a dispute, the prevailing party shall be entitled to all other rights and remedies provided in law and equity. This Agreement shall inure to the benefit of and be binding upon each of the parties, their respective heirs, successors and assigns.

8. The undersigned specifically represent that they are authorized to execute this Agreement and that the parties have the rights and capacities to perform the acts contemplated by this Agreement.

IN WITNESS WHEREOF, the parties have executed this Agreement on the day and year first above written.

ATTEST:

By: _____

Name: _____

Title: _____

GRANTOR:

By: _____

Name: _____

Title: _____

By: _____

Name: _____

Title: _____

ATTEST:

By: _____

Name: _____

Title: _____

IT CORPORATION:

By: _____

Name: _____

Title: _____

RW

INTERNATIONAL TECHNOLOGY CORPORATION

CERTIFIED MAIL

RECEIVED
DEC 23 1991
PROTECTION AGENCY

December 18, 1991

Mr. Hoyt Martin
158 Elizabeth Lane
Seneca, SC, 29678

Subject: Request to Install Monitoring Well
Tax Map No. 520-22, Block No. 01, Lot No. 31
Seneca, South Carolina
IT Project No. 408217.628

Dear Mr. Martin:

IT Corporation (IT), on behalf of Tenneco, Inc., Environmental Affairs, requests your permission to install a temporary groundwater monitoring well at 799 West North First Street, in Seneca, South Carolina. The installation of the well is required by the South Carolina Department of Health and Environmental Control (SCDHEC) to complete an Environmental Assessment for the adjacent gasoline station (formerly owned by Tenneco, Inc.) located at 800 West North First Street. Please contact Mr. Read Miner of SCDHEC at (803) 734-5327 if you have any question regarding the monitoring well installation.

IT proposes to install a monitoring well in the approximate location shown on the attached site map (labelled MW-11). The proposed location is the grassy area between Lumpkin Street and the existing house on the property. The exact location can be determined during a site visit by IT personnel. The well will be constructed of PVC pipe to a depth of 40 feet. The well will be locked and protected by an 8-inch, flush-mounted, bolt-down manhole cover and labelled as a monitoring well. A diagram of a typical monitoring well construction detail is attached. Access to the well for groundwater measurements and sampling will be required on an approximate monthly basis. The drilling will be performed by a South Carolina licensed driller, and well installation procedures will be in accordance with SCDHEC regulations (R-61-71).

The objective of the well installation is to allow IT to collect representative groundwater and soil samples for chemical analyses to determine if any impact has occurred to the adjacent properties. If it is determined that petroleum hydrocarbons have migrated off the Tenneco site, remediation will be addressed by Tenneco, Inc.

When the well installation and sampling have been completed all debris from our activities will be cleaned up and removed from your property. The well will be properly abandoned (i.e. grouted to the surface) once it has served its purpose. The expected time that the well will be monitored is one to two years.

IT will provide sufficient notice prior to initiating any work on the property. The Palmetto Utilities Locating Service will be contacted to determine if any underground utility lines exist in the proposed drilling location. Please inform us if you know of any utility lines that may be in the area.

Enclosed are two (2) copies of a Temporary Access Agreement to allow IT Corporation to install a monitoring well at the above referenced location. If the proposed activities meet with your approval, please sign and return both copies of the Temporary Access Agreement. IT will return a fully executed copy for your records.

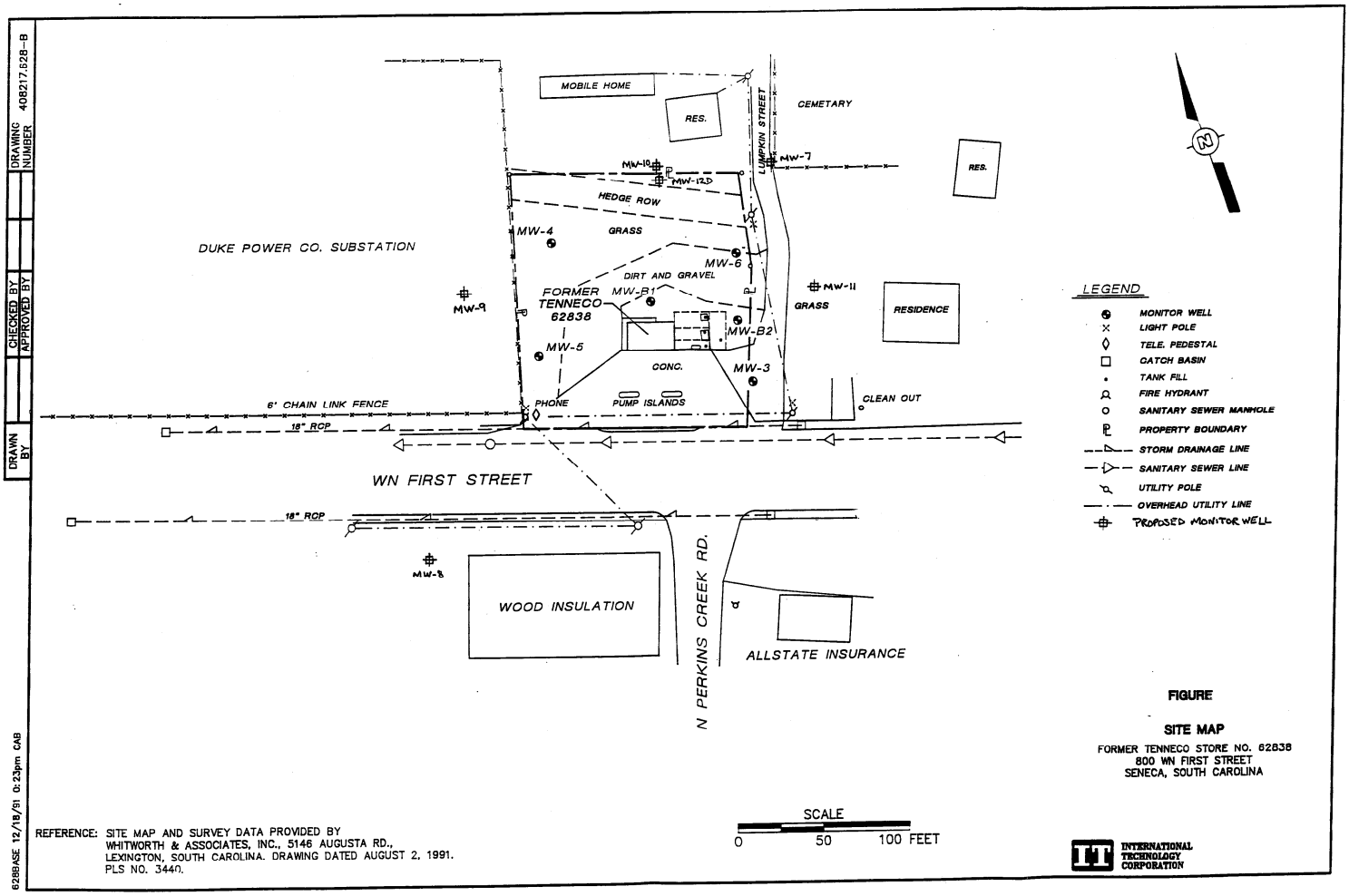
If you have any questions or require further information, please contact me at (803) 782-9932. Your cooperation in this matter is greatly appreciated.

Sincerely,

Bradley S. Hammel
Project Geologist

cc: Brian Cobb, Tenneco, Inc.
Read Miner, SCDHEC

Attachments



DRAWN BY | CHECKED BY | APPROVED BY | DRAWING NUMBER 408217.628-B

628BASE 12/18/91 0:23pm CAB

REFERENCE: SITE MAP AND SURVEY DATA PROVIDED BY WHITWORTH & ASSOCIATES, INC., 5146 AUGUSTA RD., LEXINGTON, SOUTH CAROLINA. DRAWING DATED AUGUST 2, 1991. PLS NO. 3440.

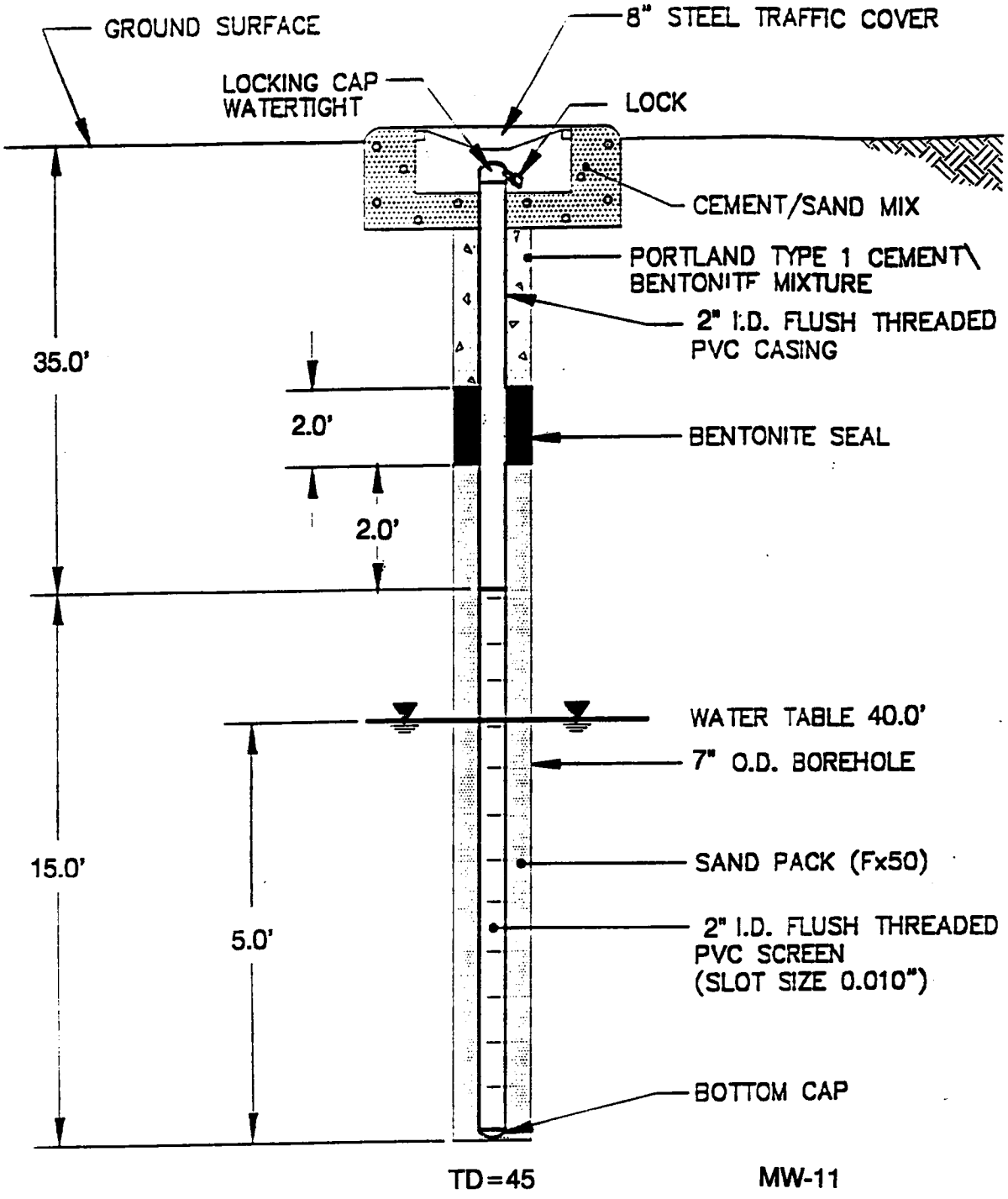
FIGURE

SITE MAP

FORMER TENNECO STORE NO. 62838
800 WN FIRST STREET
SENECA, SOUTH CAROLINA

INTERNATIONAL TECHNOLOGY CORPORATION

DRAWING NUMBER	CHECKED BY	APPROVED BY	C.A.L.	DRAWN BY
408216-121-A9			8-13-90	



MW-11

NOT TO SCALE

RECORD DRAWING
MONITOR WELL CONSTRUCTION

FORMER TENNECO STORE NO. 62838
800 WN FIRST STREET
SENECA, SOUTH CAROLINA

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... Creating a Safer Tomorrow

"Do Not Scale This Drawing"

TEMPORARY ACCESS AGREEMENT

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WITNESSETH:

WHEREAS, Grantor owns a parcel of real estate (the "Property") located at _____ _____ which adjoins to the _____ property owned by _____ (IT's Client).

WHEREAS, IT has right of entry onto IT's Client's property; and

WHEREAS, the State of _____ (the "State") has directed IT's Client to take measures to investigate and remediate any underground contaminants in the vicinity of its Property; and

WHEREAS, IT has been retained by IT's Client to undertake work, as required by the State as hereinafter defined, on the Property; and

NOW, THEREFORE, in consideration of the mutual covenants, contained herein, the parties agree as follows:

1. Grantor hereby grants IT and/or IT's Client, their officers, directors, agents, employees, and subcontractors, the right to enter the Property for the purpose of conducting the Work.

2. The term of this Agreement shall commence on the date of execution of this Agreement and shall continue until State requirements are met or the change of ownership of the Property.

3. The "Work" shall include installation, operation and maintenance of ground water monitor wells on the Property and such additional activities related to the monitor wells as may be required by the State.

4. All Work undertaken by IT shall be commenced, prosecuted and completed in a workmanlike manner. Restoration of the Property to a condition substantially equal to that existing immediately prior to the commencement of the Work shall commence as soon as practical after completion of the Work and shall be promptly completed.

5. The Work is expected to continue until State requirements are satisfied.

6. The Work shall be undertaken at IT's Client's sole cost and expense.

7. This Agreement may be extended, modified or terminated by a written amendment signed by both parties; shall be governed by the laws of the State of _____; is the complete agreement between the parties; shall be litigated, if necessary, by a court of competent jurisdiction local to the Property, shall be interpreted so far as possible to give validity and force to accomplish the overall purposes expressed in it; and may be executed in any number of counterparts, each deemed to be an original. In the event of a dispute, the prevailing party shall be entitled to all other rights and remedies provided in law and equity. This Agreement shall inure to the benefit of and be binding upon each of the parties, their respective heirs, successors and assigns.

8. The undersigned specifically represent that they are authorized to execute this Agreement and that the parties have the rights and capacities to perform the acts contemplated by this Agreement.

IN WITNESS WHEREOF, the parties have executed this Agreement on the day and year first above written.

ATTEST:

By: _____

Name: _____

Title: _____

GRANTOR:

By: _____

Name: _____

Title: _____

By: _____

Name: _____

Title: _____

ATTEST:

By: _____

Name: _____

Title: _____

IT CORPORATION:

By: _____

Name: _____

Title: _____

07303

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

March 26, 1992

RECEIVED
MAR 26 1992
Groundwater Division

Mr. Tom Margle
Tenneco, Inc.
3710 Landmark Drive
Suite 203
Columbia, SC 29204

RE: NPDES Permit No. SC0046141
Former Tenneco #62838
Oconee County

Dear Mr. Margle:

Acknowledgement is made of receipt of your 2D Form Application dated March 16, 1992 for a National Pollutant Discharge Elimination System (NPDES) Permit to authorize discharge of effluent into surface waters.

Your application has been assigned NPDES Permit number SC0046141. If you have previously submitted a 2D Form for this facility, this number should be the same as that furnished to you earlier for the 2D Form. This application fulfills your statutory obligations at this point for the facility outlined therein, if it contains all of the required information and if this information is accurate. Your application will be reviewed and the Discharge Permit issued in accordance with State priorities; therefore, processing of your application may not be immediately forthcoming. In the event additional information is required, you will be advised.

If you have any questions concerning the above, please feel free to call this Office at 803/734-5231.

Sincerely,

Henry E. Gibson, Manager
NPDES Administration and
Agricultural Wastewater Section

HEG/BLF/pww

cc: EPA
Betty Lou Foster, NPDES Administration
Mark Berenbrok, GWPD

UST
88
DOCKETING

recycled paper

ATEC Associates, Inc.
1300 Williams Drive, Suite A
Marietta, Georgia 30066-6299
[404] 427-9456, FAX # [404] 427-1907

RECEIVED
MAY 2 0 1992
Groundwater Protection
Division

May 15, 1992

Mr. Jim Hess
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Re:

Former Tenneco #007-38
4701 Augusta Road
Greenville, South Carolina

Former Tenneco #171-38
1801 Poinsett Highway
Greenville, South Carolina

Former Tenneco #196-38
400 Sulpher Springs Road
Greenville, South Carolina

Former Tenneco #500-38
2902 Wade Hampton Boulevard
Greenville, South Carolina

Former Tenneco #612-38
1049 W.O. Ezell Boulevard
Spartanburg, South Carolina

Former Tenneco #621-38
1003 28 By-Pass
Anderson, South Carolina

Former Tenneco #628-38
800 N.W. First Street 07303
Senecca, South Carolina

Former Tenneco #634-38
Highway 176
Inman, South Carolina

Former Tenneco #636-38
Route 2
Marietta, South Carolina

Former Tenneco #637-38
206 North Main Street
Mauldin

Former Tenneco #638-38
780 North Church Street
Spartanburg, South Carolina

Former Tenneco #639-38
197 Reidville Road
Spartanburg, South Carolina

DOCKETING
CST 198

Dear Mr. Hess:

This is to advise that ATEC Associates will be providing environmental consulting services for the above referenced projects. All future correspondence and communication regarding assessment and remediation will be addressed through ATEC's Marietta, Georgia office.

Cobb #1:Hess.ltr

In addition, this is to advise that ATEC is in the process of preparing direct billing cost proposals for all the above SUPERB eligible sites.

If you have any questions, please feel free to contact me at any time.

Sincerely,

ATEC Associates, Inc.

Brian Cobb, P.E.
Senior Project Manager

BC/td

cc: D.D. Waters - Tenneco, Inc.

RECEIVED
MAY 20 1992
Groundwater Protection
Division

ATEC Associates, Inc.
1300 Williams Drive, Suite A
Marietta, Georgia 30066-6299
[404] 427-9456, FAX # [404] 427-1907

July 8, 1992

Mr. Mark Barenbrock
South Carolina Department of Health
and Environmental Control
Ground-Water Protection Division
2600 Bull Street
Columbia, South Carolina 29201

RE: Project Update
Former Tenneco #628-38
GWPD #07303
800 NW First Street
Seneca, South Carolina
ATEC Project Number 32-07-92-00221

USA DOCKETING

Dear Mr. Barenbrock:

ATEC Associates, Inc. (ATEC), on behalf of Tenneco, Inc., is submitting this correspondence as a status report for the referenced facility.

The CAP for this project was due March 31, 1992. The previous consultant, IT Corporation, was pursuing off-site access for installation of monitoring wells when they were dismissed from this project. Subsequently, this project was awarded to ATEC. Our review of the file indicates that several phases of investigation may be necessary to fully define the hydrocarbon plume. Therefore, ATEC plans to develop an Expanded Assessment Plan for this facility.

If you do not concur with this course of action, please notify us as soon as possible. If you have any questions, or wish to discuss site conditions, please call me or Brian Cobb at (404) 427-9456.

Sincerely,

ATEC Associates, Inc.

Denise Dixon
Staff Hydrogeologist

RECEIVED
JUL 13 1992
Groundwater Protection
Division

Brian Cobb, P.E.
Senior Project Manager

DD/BC:pt

cc: Mr. D.D. Waters, Jr., Tenneco

ATEC Associates, Inc.
1300 Williams Drive, Suite A
Marietta, Georgia 30066-6299
[404] 427-9456, FAX # [404] 427-1907

July 28, 1992

Mr. Mark Berenbrock
Hydrogeologist
Ground-Water Protection Division
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Re: **Former Tenneco #628-38**
GWPD #07303
800 N.W. First Street
Seneca, South Carolina
ATEC Project Number 32-07-92-00221

Dear Mr. Berenbrock:

This letter is to confirm our conversation of July 14, 1992 regarding the next phase of this project. As we agreed, ATEC will prepare an Expanded Assessment Plan (EAP) for this facility. We anticipate submittal of the EAP by August 31, 1992.

If you have any questions, please call me or Brian Cobb at (404) 427-9456.

Sincerely,
ATEC Associates, Inc.

Denise Dixon
Staff Hydrogeologist

Brian Cobb, P.E.
Senior Project Manager

DD/BC:td

cc: D.D. Waters, Jr., - Tenneco

UST DOCKETING

Dixon #1:62838.ltr

South Carolina
DHEC
Department of Health and Environmental Control

COMMUNICATION SLIP

Date

To Mark Berenbrok
DeWPD

- [ ] Approval
- [ ] Necessary Action
- [ ] Prepare Reply
- [ ] Comment
- [ ] As Requested
- [ ] Note and Return
- [ ] Note and File
- [ ] Other

Remarks

From [illegible]

South Carolina
DHEC
Department of Health and Environmental Control
2600 Bull Street, Columbia, SC 29201

Interim Commissioner: Thomas E. Brown, Jr.

Board: John H. Burriss, Chairman
Richard E. Jabbour, DDS, Vice Chairman
Robert J. Stripling, Jr. Secretary

William E. Applegate, III,
Toney Graham, Jr., MD
Sandra J. Molander
John B. Pate, MD

Promoting Health, Protecting the Environment

July 31, 1992

RECEIVED
AUG 03 1992
Groundwater Protection
Division

Mr. Dan D. Waters
Tenneco, Inc.
Environmental Affairs
1395 South Marietta Parkway
Marietta, GA 30067

Re: NPDES Permit #SC0046141
Former Tenneco #62838
GWPD SITE ID #07303
Oconee County

Dear Mr. Waters:

The NPDES Permit for the above referenced site has been held due to the ownership/easement issue concerning the site discharge route. This Office intends to continue processing your permit toward final issuance. Recent changes to Regulation 61-9 Section 23 state that easements for ditch discharges from Leaking Underground Storage Tank Groundwater Remediation projects will no longer be required to be submitted to the Department as a prerequisite for obtaining an individual NPDES permit. The permittee must ensure that all easements necessary for the discharge are obtained prior to the discharge occurring. Therefore, it is the departments intention to proceed with the issuance process by placing your permit on public notice. The referenced NPDES permit will be placed in the public notice process on August 24, 1992, provided there are no objections.

Please contact me with your comments or agreement before August 24, 1992 in writing. If you wish to discuss the permit I may be contacted by phone at (803)734-5156.

Sincerely,

Byron Amick

Byron Amick
Environmental Engineering Associate
Industrial and Agricultural
Wastewater Division

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BA/jf

cc: George Tomlin, App. I EQC
Mark Berenbrok, GWPD
Robert Carini, IT Corp.

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INTERNATIONAL
TECHNOLOGY
CORPORATION

Project No. 306398
June 1989

62838

Risk Assessment/Site Prioritization

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Groundwater Protection
Division

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South Carolina Locations

Prepared for:

Tenneco Inc.
Environmental Affairs
Marietta, Georgia

DOCKETING
DST
9 3 1

RESPONSIVE TO THE NEEDS OF ENVIRONMENTAL MANAGEMENT

RISK ASSESSMENT/
SITE PRIORITIZATION
SOUTH CAROLINA LOCATIONS

PREPARED FOR:

TENNECO, INC.
ENVIRONMENTAL AFFAIRS OFFICE
MARIETTA, GEORGIA

PREPARED BY:

IT CORPORATION
1150 LEBLANC ROAD
PORT ALLEN, LOUISIANA

JUNE 1989

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2	Store Number 11638
3	Store Number 17038
4	Store Number 17138
5	Store Number 19638
6	Store Number 50038
7	Store Number 60338
8	Store Number 60638
9	Store Number 61238
10	Store Number 61338
11	Store Number 61538
12	Store Number 62038
13	Store Number 62138
14	Store Number 62738
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18	Store Number 63538
19	Store Number 63738
20	Store Number 63938

LIST OF APPENDICES

APPENDIX	TITLE
A	T.O.C. Analytical Data
B	Risk Assessment Forms
C	Field Activity Daily Log
D	Tenneco Analytical Data

1.0 INTRODUCTION

1.1 BACKGROUND

Effective December 15, 1989, Tenneco, Incorporated, Environmental Affairs (Tenneco) of Marietta, Georgia completed a multi-site property transfer including operational responsibility with T.O.C. Retail, Incorporated (TOC) of Atlanta, Georgia. Tenneco retained the environmental responsibilities resulting from incidents which occurred prior to the property transfer. Due to the significant number of Tenneco locations being transferred, prioritization of sites needing assessment will be necessary for proper management.

As a result of the property transfers, several site investigations have been completed on the transferring properties, including investigations by both Tenneco and TOC. Samples have been collected from both soil borings and monitor wells and analysed in the field for hydrocarbon vapors (OVA/HNU) as well as in the laboratory for concentrations of hydrocarbons (BTEX) and TAH. This report will compile the most significant site investigation data resulting from the recent property transfers.

1.2 OBJECTIVE

The primary objective of this study is to provide information so proper prioritization of the South Carolina Tenneco locations can be accomplished. A schedule for completing assessments at those locations can be provided. A general site categorization has been completed by South Carolina Department of Health and Safety Environmental Control (SCDHEC) based solely on contamination levels. This study will provide other considerations and risk information which should better prioritize the sites on an individual basis and provide overall development of priorities based on documentation as related to protection of human health and the environment.

1.3 SITE IDENTIFICATION

A total of 20 former Tenneco locations in South Carolina were investigated. The following is a list of store numbers and addresses for those locations.

Store Number	Address
00738	4701 Augusta Road, Greenville, SC
11638	860 Knox Abbott Drive, Cayce, SC
17038	Harper & Hillcrest Drive, Laurens, SC
17138	1801 Poinsett Highway, Greenville, SC
19638	400 Sulpher Springs Road, Greenville, SC
50038	2902 Wade Hampton Blvd., Greenville, SC
60338	2990 Sunset Blvd., West Columbia, SC
60638	525 Atomic Road, No. Augusta, SC
61238	1049 W. O. Ezell Blvd., Spartanburg, SC
61338	7356 Two Notch Road, Columbia, SC
61538	2351 Cherry Road, Rock Hill, SC
62038	4497 Devine Street, Columbia, SC
62138	1003 28 By Pass, Anderson, SC
62738	508 East North First Street, Seneca, SC
62838	800 NW First Street, Seneca, SC
63038	6008 White Horse Road, Greenville, SC
63438	Highway 176, Inman, SC
63538	426 Columbia Avenue, Lexington, SC
63738	206 North Main Street, Mauldin, SC
63938	197 Reidville, Road, Spartanburg, SC

This report also includes Location Prioritization (Section 2.0) and Conclusions and Recommendations (Section 3.0). Also included are site maps for each of the listed locations (Figures ____ through ____).

2.0 LOCATION PRIORITIZATION

2.1 SCDHEC RANKING SYSTEM

The purchase company (TOC) installed monitor wells and collected soil and/or groundwater samples from the listed South Carolina locations. Based on the results of that data (Appendix A), SCDHEC issued a letter to Tenneco dated May 18, 1989, which prioritized the locations into four categories. The categories were developed based on the presence or absence of free-phase hydrocarbons and levels of benzene concentration. Below are the categories and specifications listed in the SCDHEC letter.

- Those projects with free phase product or an immediate threat to human health,
- Those projects with groundwater contamination exceeding 50 ppb benzene,
- Those projects with groundwater contamination between 5 and 50 ppb benzene, and
- Projects with soil contamination but no verified significant groundwater contamination.

Category 1 projects - address immediately.
Category 2 projects - work plans due at a rate of 2 projects per week.
Category 3 projects - work plans due at a rate of 1 project per week upon completion of category 2 work plan submittals.
Category 4 projects - work plans due at a rate of 2 projects per month upon completion of category 3 work plan submittals.

2.2 PROPOSED TENNECO RANKING SYSTEM

Following the TOC sampling program, Tenneco initiated a follow-up sampling program at each of the listed locations. In combination with this sampling program, additional risk assessment information was collected concerning each location. Follow-up tasks initiated by Tenneco included:

- Determine locations of potential receptors such as public or domestic drinking water wells or basements in nearby buildings, etc.,
- Verification of data previously submitted by the purchasing company,

- Recommendations for additional data gathering, monitoring, closure and/or remediation if necessary, and
- An implementation schedule for assessment at each site.

A questionnaire form was used to complete task 1 which included information on potential receptors, type of local water supply, aquifer classification (if applicable), and well information. Results of task 1 are compiled in Appendix A. Field Activity Daily Logs which include supplimental detail data to Appendix B are in Appendix C. Groundwater samples were collected from each location to verify analytical data collected by TOC. These data are summarized on Table 2 and the laboratory reports included as Appendix D.

TABLE 1

SUMMARY OF TENNECO ANALYTICAL DATA

STORE NUMBER	SAMPLE LOCATION	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENE	TOTAL PETROLEUM HYDROCARBON
00738	MW-B1	6.5	<1.0	<1.0	<1.0	NM
	MW-B2	290	66	12	90	NM
17038	MW-B1	5.0	<1.0	<1.0	1.9	NM
19638	MW-B1	110	11	1.8	2.8	NM
	MW-B2	3.8	<1.0	<1.0	33	NM
50038	MW-B1	28,000	43,000	2,600	15,000	<10
	MW-B2	5,200	8,900	740	4,700	<10
60338	MW-B1	4,800	14,000	4,500	24,000	182
61338	MW-B1	300	1,300	370	1,600	NM
	MW-B2	6,500	12,000	1,000	5,700	NM
	MW-B0	<1.0	<1.0	<1.0	<1.0	NM
62038	MW-B1	550	2,200	330	1,900	NM
	MW-B2	4,000	13,000	1,700	12,000	NM
62138	MW-B1	25,000	37,000	3,700	21,000	96
	MW-B2	4,800	1,700	1,400	4,800	12
62738	MW-B1	210	150	78	610	<10
	MW-B2	54	240	300	810	<10
63038	MW-B1	5.4	1.8	<1.0	5.5	NM
	MW-B2	2,200	2,900	250	1,700	NM
63538	MW-B1	5,000	6,200	560	4,100	58
	MW-B2	24,000	28,000	2,000	12,000	23
63738	MW-B1	3,000	5,100	710	4,700	20
63938	MW-B1	2,700	1,500	860	5,000	NM

BTEX = measured in micrograms per liter (ug/l) parts per billion (ppb).
TPH = total petroleum hydrocarbons measured in milligrams per liter (mg/l) parts per million (ppm).
NM = not measured.

LOC NO.	NUM	STREET ADDRESS	CITY	ST	ZIP	POST-CLOSING DESIGNATION T. B. C.	SOIL TPH/BTEX	SOIL BENZENE	WATER TPH/BTEX	WATER BENZENE	TIGHTNESS TESTING	TIGHTNESS RESULT
007- 38	4701	Augusta Road	Greenville	SC	29605	Y	217/695	130	ND/12955	8655		
116- 38	860	Knox Abbot Drive	Cayce	SC	29033	Y	90/285	45	NO SAMPLE	NO SAMPLE	Y	UVF*
170- 38		Harper & Hillcrest Drive	Laurens	SC	29638	Y	NO SAMPLE	NO SAMPLE	<1/35	10		
171- 38	1001	Poinsett Highway	Greenville	SC	29609	Y	<10/3600	<1000	ND/22	22		
196- 38	400	Sulphur Springs Road	Greenville	SC	29611	Y	254/150	52	ND/785	650		
500- 38	2902	Wade Hampton Boulevard	Greenville	SC	29607	Y	160/270	55	38/10630	2700		
502- 38	8120	Rivers Avenue North	Charleston	SC	29406	Y	PC NO TEST	PC NO TEST	PC NO TEST	PC NO TEST		
507- 38	2314	Ashley River Road	Charleston	SC	29407	Y	NO SAMPLE	NO SAMPLE	11/5000	1200		
603- 38	2990	Sunset Boulevard	W. Columbia	SC	29169	Y	219/718700	73700	ND/390	95		
606- 38	525	Atomic Road	Augusta	SC	29841	Y	185/37774	760	NO SAMPLE	NO SAMPLE		
612- 38	1049	W. O. Ezell Boulevard	Spartanburg	SC	29301	Y	167/94610	4410	NO SAMPLE	NO SAMPLE		
613- 38	7356	Two Notch Road	Columbia	SC	29204	Y	116/145	10	ND/7830	1940		
615- 38	2351	North Cherry Road	Rock Hill	SC	29730	Y	267/85	35	ND/ND	ND		
620- 38	4497	Devine Street	Columbia	SC	29205	Y	ND/2406	733	ND/142	34		
621- 38	1003	28 By Pass	Anderson	SC	29621	Y	208/1124240	97340	60/21780	5500		
627- 38	508	North First Street	Seneca	SC	29678	Y	ND/80	50	ND/950	64	Y	SVF* RVF*
628- 38	800	Northwest First	Seneca	SC	29678	Y	188/ND	ND	NO SAMPLE	NO SAMPLE	Y	P
630- 38	6008	White Horse Road	Greenville	SC	29611	Y	123/747	120	ND/11795	4365		
634- 38		Highway 176	Inman	SC	29349	Y	NO SAMPLE	NO SAMPLE	117/111760	10400		
635- 38	426	Columbia Avenue	Lexington	SC	29072	Y	36/23100	3510	20/7270	1880		
636- 38		Route 2, Highway 276	Marietta	SC	29661	Y	52/32270	5040	NO SAMPLE	NO SAMPLE	Y	P
637- 38	206	North Main Street	Mauldin	SC	29662	Y	NO SAMPLE	NO SAMPLE	21/20050	4570		
639- 38	197	Reidville Road	Spartanburg	SC	29303	Y	NO SAMPLE	NO SAMPLE	30/27990	7640		

*Tightness tests results enclosed for all locations indicated in this column.
(116-38, Cayce; 627-38, Seneca; 628-38, Seneca, 636-38, Marietta.
636-38 was reported previously)

TABLE 1

SUMMARY OF TENNECO ANALYTICAL DATA

STORE NUMBER	SAMPLE LOCATION	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENE	TOTAL PETROLEUM HYDROCARBON
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	MW-B0	<1.0	<1.0	<1.0	<1.0	NM
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63038	MW-B1	5.4	1.8	<1.0	5.5	NM
	MW-B2	2,200	2,900	250	1,700	NM
63538	MW-B1	5,000	6,200	560	4,100	58
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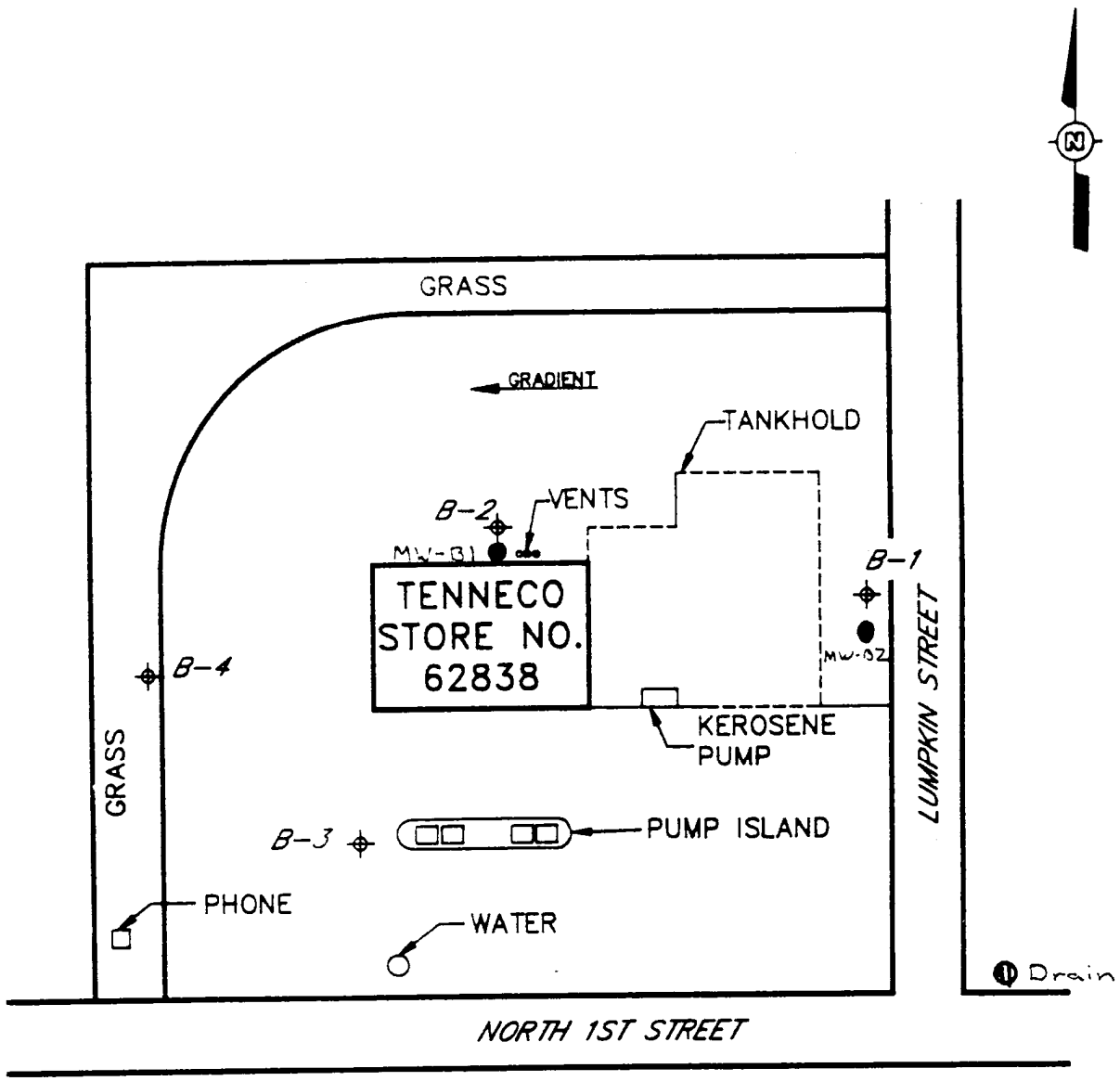
63738	MW-B1	3,000	5,100	710	4,700	20
63938	MW-B1	2,700	1,500	860	5,000	NM

BTEX = measured in micrograms per liter (ug/l) parts per billion (ppb).
TPH = total petroleum hydrocarbons measured in milligrams per liter (mg/l) parts per million (ppm).
NM = not measured.

DRAWN BY	T.BURNS 9/6/88	CHECKED BY		DRAWING NUMBER	435367-A125
		APPROVED BY			



NOT TO SCALE

FIGURE 15

SITE MAP
TENNECO STORE NO. 62838
800 N.W. FIRST STREET
SENECA, SOUTH CAROLINA
PREPARED FOR

TENNECO OIL COMPANY
ATLANTA, GEORGIA

LEGEND

⌖ BORING LOCATION

● Monitor Well Location

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IT ... Creating a Safer Tomorrow

TENNECO
SENSITIVE RECEPTORS - RISK ASSESSMENT
SITE SURVEY AND LITERATURE RESEARCH

STORE NO: 62838
LOCATION: 800 NW 1st St.
CITY/STATE: Seneca, S.C.

I. Provide answers to the following questions:

A. Is there a public water supply well within 2500'?	(Y/N)	No
If Yes, Distance	(FT)	-
B. Is there a private water supply well within 1000'?	(Y/N)	No
If Yes, Distance	(FT)	-
C. Is there a subway within 1000'?	(Y/N)	No
If Yes, Distance	(FT)	-
D. Is there a basement within 1000'?	(Y/N)	No
If Yes, Distance	(FT)	-
E. Is there a school within 1000'?	(Y/N)	No
If Yes, Distance	(FT)	-
F. Is there a surface body of water within 1000'?	(Y/N)	No
If Yes, Distance	(FT)	-

II. Describe type of local water supply.

Public	✓
-Suppliers' Name	City of Seneca
-Suppliers' Source	Lake Keowee (main source)
-Distance to Site	< one mile
Private	

III. Aquifer Classification, if available.

Class I - Special Ground Waters - Irreplaceable Drinking Water Source - Ecologically Vital	NA
Class II - Current and Potential Drinking Water Sources	"
Class III - Not Potential Source of Drinking Water	"

IV. Describe ~~compliance~~ monitor wells, if any.

Number		2
Free Product	(Y/N)	No

V. Preparer Pat Smith Date 6/26/89

TNN-SURVEY-TNN

INTERNATIONAL TECHNOLOGY CORPORATION

FIELD ACTIVITY DAILY LOG

DAILY LOG	DATE	6	2	89
	NO.			
	SHEET		OF	1

PROJECT NAME Tenneco - Seneca - Store # 62838 | PROJECT NO. 306398

FIELD ACTIVITY SUBJECT: Well sampling

DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:

1245 Arrived onsite. Checked in w/ station manager (Tony). Station sells no diesel

1247 Surveyed site and opened wells.

1255 Monitored wells

Well #	Depth to product (ft)	Depth to water (ft)	Thickness (ft)	T.D. (ft)	Comments
B-1		Dry		25.28	Faint HC odor
B-2	—	Dry	—	26.15	Slight HC odor

1350 Both wells dry. Can collect no groundwater sample. No other wells on site.

1308 Inspected site for potential contamination receptors
- Site fairly flat lying - slight dip
- Sandy area

1329 Called IT

VISITORS ON SITE:	CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS.
WEATHER CONDITIONS: Sunny Hot	IMPORTANT TELEPHONE CALLS: Jonathan Shireman

IT PERSONNEL ON SITE: D. Kessler

SIGNATURE David Kessler DATE: 6-2-89

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 03211
C/C Control No. 105162

PROJECT NAME	Tenneco	DATE SAMPLES SHIPPED	6-2-89
PROJECT NUMBER	306348	LAB DESTINATION	IT Austin Lab
PROJECT MANAGER	Skip Wrightson	LABORATORY CONTACT	Tony Spinelli
BILL TO	IT/EARD 312 Directors Drive Knoxville, TN 37923	SEND LAB REPORT TO	Skip Wrightson 312 Directors Dr Knoxville, TN 37923
PURCHASE ORDER NO.	verbal AJS 89057	DATE REPORT REQUIRED	Normal
BID #		PROJECT CONTACT	Skip Wrightson / D. Kessler
		PROJECT CONTACT PHONE NO.	(615) 690-3211

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
B-1 # 62738	Ground Water	2 40ml VOA	None	BTEX	
B-1 # 62738	"	1-1l amber	"	TPH-H	only 1/4 l bottle
B-2 # 62738	"	2 40 ml VOA	"	BTEX-H	
B2 # 62738	"	1-1l amber	"	TPH-H	
B1 # 63938	"	2-40ml VOA	None	BTEX	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Project Manager.)

Normal ✓ Rush _____ (Subject to rush surcharge)

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances)

Nonhazard ✓ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

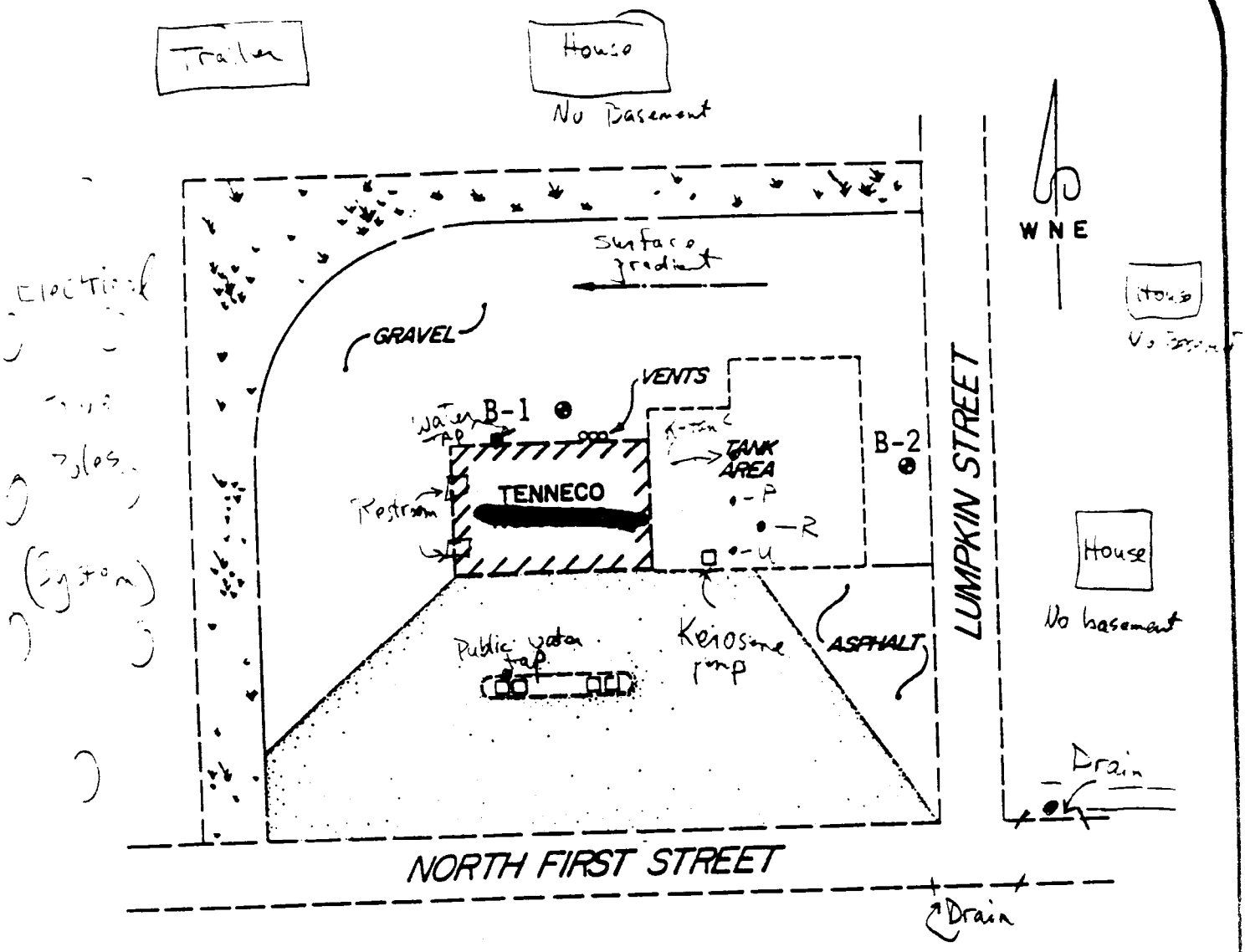
SAMPLE DISPOSAL (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, and disposal.)

Return to Client _____ Disposal by Lab ✓

FOR LAB USE ONLY

Received By _____ Date/Time _____

WHITE - Original, to accompany samples
YELLOW - F[illegible]opy



SITE MAP WITH WELL LOCATIONS

N.T.S.

- ◉ - MONITORING WELL LOCATION
- GRASS
- CONCRETE
- BUILDING
- DISPENSER/PUMP
- GRADIENT

Richard Catlin & Associates, Inc.

CONSULTING ENGINEERS AND HYDROGEOLOGISTS

RC&A

INTERNATION... TECHNOLOGY CORPORATION

May 14, 1991

Mr. Read S. Miner, Hydrogeologist
Groundwater Protection Division
South Carolina Department of
Health and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

RECEIVED
MAY 16 1991

Subject: **Environmental Assessment Report**
Former Tenneco Store No. 62838
800 NW First Street
Seneca, South Carolina
IT Project No. 408217.628
SCDHEC PCAS No. 6806

GWPD #07303

Dear Mr. Miner:

Enclosed you will find three (3) copies of the Environmental Assessment Report for the above referenced location.

If you have any questions or comments concerning the above, please contact me at (803) 782-9932.

Sincerely,

John R. Isham
Hydrogeologist

cc: Brian Cobb, Tenneco, Inc. (2 enclosures)

UST DOCKETING

ENVIRONMENTAL ASSESSMENT REPORT
FORMER TENNECO LOCATION NO. 62838
800 NORTH WEST FIRST STREET
SENECA, SOUTH CAROLINA

Prepared For:

Tenneco, Inc.
Environmental Affairs
Marietta, Georgia

Prepared By:

John R. Isham 5/15/91
John R. Isham, Hydrogeologist

RECEIVED
MAY 16 1991
PRO... ...N DIVISION

copies forwarded to Appalachia I & II District EQC

Reviewed By:

Michael D. McKinney 5/14/91
SC Geologist No. 803 Date

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ENVIRONMENTAL ASSESSMENT REPORT
Former Tenneco Location Number 62838
800 North West First Street
Seneca, South Carolina

1.0 INTRODUCTION

IT Corporation (IT) was contracted by Tenneco, Inc. (Tenneco) to perform an environmental assessment of the Seneca, South Carolina site, Former Tenneco Location Number 62838 at 800 North West First Street, Seneca, South Carolina (see Figure 1 for approximate site location). This action was initiated after it was reported that hydrocarbon-impacted soils had been detected in two on-site monitor wells during an earlier investigation.

1.1 Purpose

As part of this site assessment, four monitor wells (MW-3, MW-4, MW-5 and MW-6) and one soil boring (AB-4) were installed at the Seneca site. The wells were sited to determine the lateral extent of the adsorbed hydrocarbons in the soil, the presence or absence of groundwater within the underlying bedrock, the lateral extent of dissolved phase hydrocarbons in the groundwater, and the hydrogeologic characteristics of the site. Monitor wells MW-3 and MW-6 were to serve as upgradient wells. Monitor wells MW-4 and MW-5 were placed downgradient (based on local surface topography) on the property to determine soil and groundwater quality in these areas.

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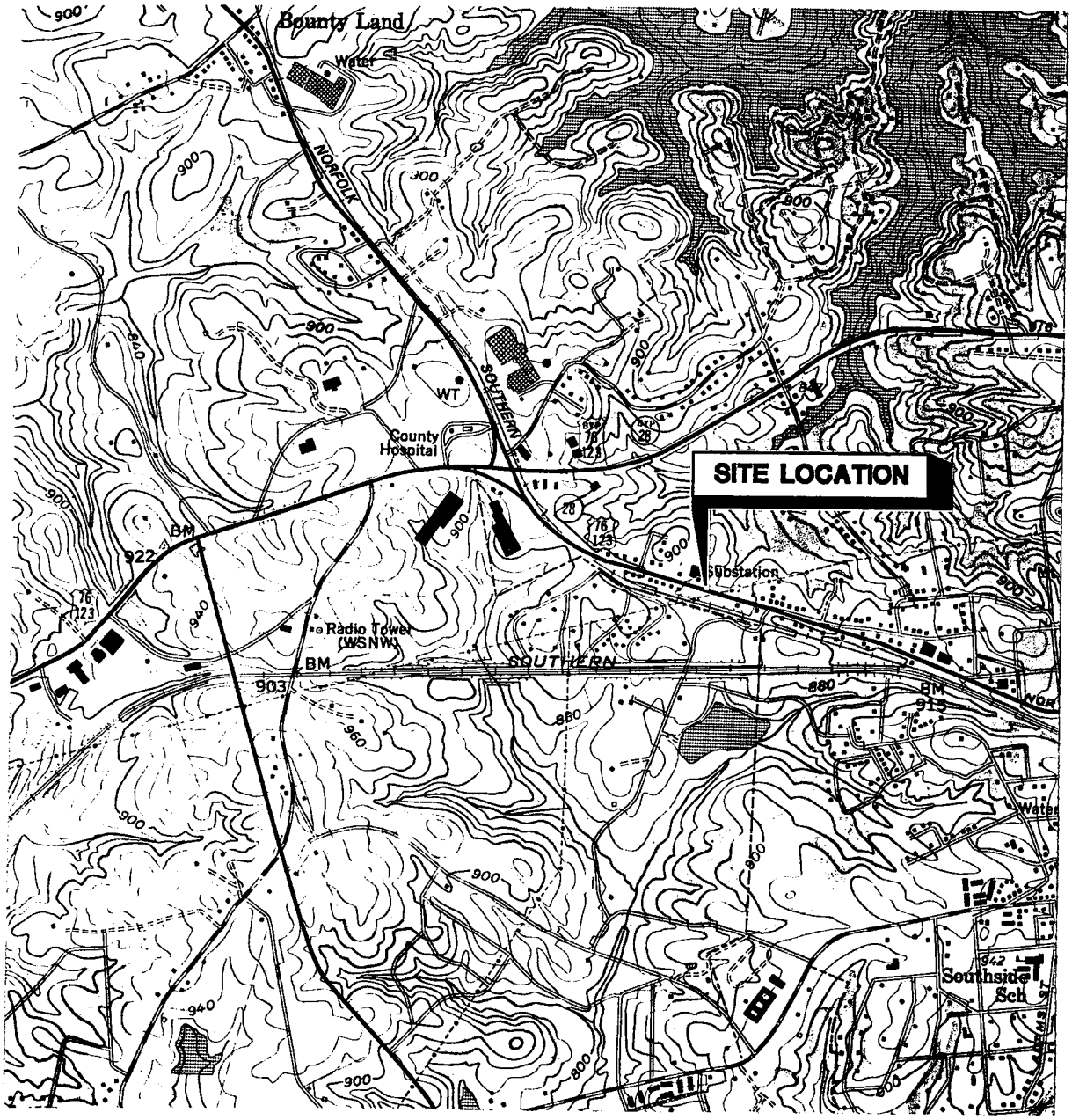
	12-11-90	APPROVED BY	JRL		4/29/91



SCALE

2000 0 2000 FEET

SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP (SENECA, SOUTH CAROLINA) 1958; PHOTOREVISED 1980.

FIGURE 1

SITE LOCATION MAP

FORMER TENNECO STORE NO. 62838
800 NW FIRST STREET
SENECA, SOUTH CAROLINA

PREPARED FOR

TENNECO INC.
EMVIRONMENTAL AFFAIRS
MARIETTA, GEORGIA

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1.2 Background

Four underground product storage tanks are present at the referenced location within a single tankhold off the eastern side of the building. The premium unleaded, unleaded, and kerosene product types are dispensed from 4,000 gallon asphalt-coated steel tanks while the regular grade of gasoline is dispensed from 6,000 gallon asphalt-coated steel tank. All product piping and vent lines are constructed of bare steel. The facility has two main pump islands located in front of the store where the gasolines are dispensed. An isolated kerosene dispenser is located off the southern edge of the tankhold.

According to a phone conversation with Mr. Robert Stuart (TOC Retail, Inc. Area Supervisor) on February 6, 1991, the above referenced facility has reportedly stored and dispensed petroleum products for approximately 30 years. All underground product storage tanks and delivery piping are reportedly original equipment dating back to the start of this facility in the late 1950s. The 6,000 gallon regular unleaded tank was later installed off the eastern side of the tankhold in 1974. No structural or equipment modifications have been reportedly done to the above referenced facility since opening (except for minor repairs).

2.0 PREVIOUS SITE ACTIVITIES

Several previous site investigations have been conducted at the referenced location.

On August 27 and 28, 1988, an initial site investigation was conducted by IT (on behalf of Tenneco) to assess the potential for hydrocarbon impact in the vicinity of the underground product storage tanks, lines, and pump islands. Four soil borings (Figure 2; B-1 through B-4) were completed onsite to a total depth of approximately 15 feet (see Appendix A-1 for boring logs). Representative soil samples were screened during drilling activities with an HNu photoionization detector (PID) for the presence of hydrocarbon vapors. The results of this investigation indicated that the presence of free-phase hydrocarbons was not observed in any boring and all HNu readings were below 500 parts per million (ppm). This investigation was initiated by a multiple property transfer from Tenneco to TOC Realty that was completed in December 1988.

IT was contracted by Tenneco to investigate the release of approximately 1,400 gallons of regular (leaded) gasoline into the subsurface at the above referenced location. During tank testing operations at the station on August 30, 1988, it was determined that the release occurred through a separated vent line joint

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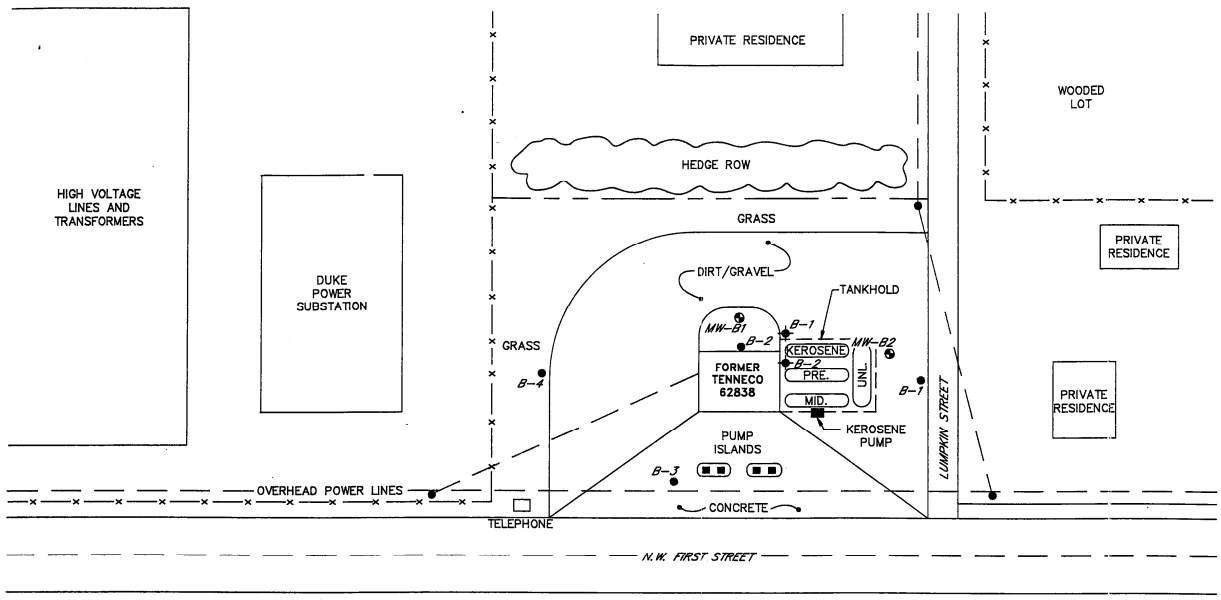

LEGEND

- EXISTING MONITOR WELL (RICHARD CATLIN & ASSOCIATES)
- SOIL BORING INSTALLED 9/9/88 (IT)
- SOIL BORING INSTALLED 8/27/88 (IT)

APPROX. SCALE
0 10 20 FEET

FIGURE 2

SITE MAP SHOWING PREVIOUSLY INSTALLED SOIL BORING/MONITOR WELL LOCATIONS

FORMER TENNECO STORE NO. 62838
800 N.W. FIRST STREET
SENECA, SOUTH CAROLINA

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buried in the vicinity of the product storage tank pit. On September 7, 1988, approximately 10 cubic yards of hydrocarbon impacted soil was excavated in the vicinity of the leaking vent line and product storage tankhold. All excavated soil was placed on and covered with plastic and was later disposed of at the Oconee County Landfill upon approval by the SCDHEC Appalachia I EQC District Director Mark Harvley. The line was removed and replaced with a new one by Tenneco maintenance employees. A tank testing firm contracted by Tenneco pressure tested the storage tank and piping system after the vent line was replaced. The tank and piping system tested within compliance of standard testing criteria.

Two soil borings (B-1 and B-2) were installed by IT on August 9, 1988, to determine the horizontal and vertical extent of hydrocarbon-impacted soil from the failed vent line (see Figure 2). Boring B-1 was placed to the northwest of the tank pit and boring B-2 was placed immediately adjacent to the vent line joint where the release occurred. Both borings were augered until bedrock was encountered at a depth of 30 feet. No groundwater was reported in either boring, and no evidence of groundwater such as iron staining or saturated soils was present. Soil samples were collected at five-foot intervals from each boring, screened with a PID and logged according to the Unified Soils Classification System (see Appendix A-2). Five soil samples were collected and analyzed for

benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Methods 5030, 8020, and 8015, and lead by EPA Method 6010.

Total BTEX concentrations in soils analyzed ranged from 0.25 ppm in sample B-1/10-12 feet, collected from the boring placed northwest of the tankhold, to 1,267 ppm in sample B-2/10-12 feet, collected from the boring placed adjacent to the leak source. In both borings, BTEX concentrations decreased to less than 3 ppm at a depth of 25 feet. Lead concentrations were all below laboratory detection limits of 2.0 ppm. Appendix B-1 contains the Laboratory Certificates of analysis from these samples.

In February 1989, an investigation was conducted by Richard Catlin and Associates (RC&A) for TOC Retail, Inc. (TOC) to confirm the presence or absence of hydrocarbon contamination. Two soil borings were augered at the site to approximately 25 feet (MW-B-1) and 26 feet (MW-B2) below surface grade (see Figure 2). MW-B1 was installed downgradient of the tankhold and MW-B2 upgradient of the tankhold. Bedrock was reportedly encountered at approximately 26 feet in boring MW-B2 (see Appendix A-3). Groundwater was not encountered during drilling. Each boring was converted to a monitor well by installing 2-inch diameter Schedule 40 polyvinyl chloride (PVC) 0.010-inch slotted screen and riser pipe. The results of the investigation indicated that no volatile hydrocarbon constituents (BTEX) were detected in soil samples collected from MW-B1 at 20 or 25 feet in depth, or in MW-B2 at 15 and 25 feet,

respectively. Total petroleum hydrocarbons (TPH) were detected in MW-B2 with 22 ppm and 188 ppm at 15 and 25 feet, respectively. The Laboratory Certificate of Analysis for these samples is included in Appendix B-2 (see Richard Catlin & Associates Report dated March 1989).

Subsequent monitoring by IT on June 2, 1989 found monitor wells MW-B1 and MW-B2 dry and containing faint hydrocarbon odors.

The site was petitioned by IT on behalf of Tenneco to be returned to routine monitoring in December 1989. This petition was denied on December 11, 1989 by the South Carolina Department of Health and Environmental Control, prompting the initiation of this assessment.

3.0 FIELD INVESTIGATION ACTIVITIES

IT was contracted to install one soil boring (AB-4) and three monitor wells (MW-3, MW-4, MW-5) at the Seneca site to determine the extent of petroleum hydrocarbon constituents in the soil, to determine if groundwater is present with the underlying bedrock and to determine if the groundwater has been impacted by the release of hydrocarbons. This scope of work was approved by the SCDHEC on July 23, 1990. A monitor well approval was granted along with the scope approval. A copy of this approval is included with the boring logs in Appendix A. The above referenced scope of work was conducted between November 28 and November 30, 1990, and was completed on January 14 through January 16, 1991 by a South Carolina licensed driller supervised by an IT geologist. The locations of these soil borings/monitor wells are shown in Figure 3.

3.1 Soil Sampling Procedures

As outlined in the April 1990 Environmental Assessment Plan, the soil sample procedures to be followed during this phase of the assessment included the installation of four soil borings (MW-3, MW-4, MW-5 and AB-4) to bedrock with split-spoon samples collected every 5 feet to be field screened with a flame ionization detector (FID) by the onsite geologist. An additional monitor well (MW-6) was requested in order to complete the onsite delineation of the

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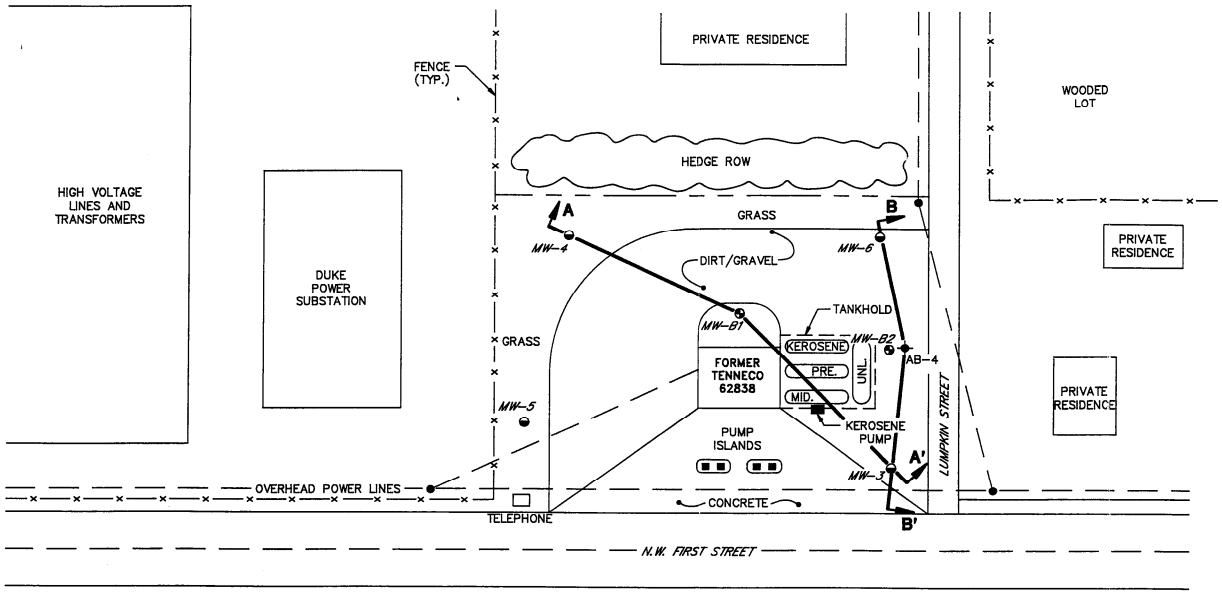

LEGEND

- EXISTING MONITOR WELL (RICHARD CATLIN & ASSOCIATES)
- NEWLY INSTALLED SOIL BORING (IT)
- NEWLY INSTALLED MONITOR WELL (IT)
- A —— A' PATH OF GEOLOGIC CROSS-SECTION
- B —— B' PATH OF GEOLOGIC CROSS-SECTION

APPROX. SCALE
0 10 20 FEET

FIGURE 3

SITE MAP SHOWING NEWLY INSTALLED SOIL BORING/MONITOR WELL LOCATIONS

FORMER TENNECO STORE NO. 62838
800 N.W. FIRST STREET
SENECA, SOUTH CAROLINA

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dissolved hydrocarbon plume.

Soil samples were collected at 5-foot intervals from each borehole (MW-3, MW-4, MW-5 and MW-6) from ground surface to the depth at which bedrock was encountered using precleaned split-spoon samplers. Soil samples were collected according to American Society of Testing and Materials (ASTM) procedures D-1586-84. All boreholes were initiated with a post-hole digger to a depth of approximately 3 feet prior to drilling in order to prevent encountering and/or damaging any underground utilities or product lines which might be present. Borehole lithology was logged by the IT site geologist according to the Unified Soil Classification System (see Legend of Appendix A). Geologic logs for borings MW-3, MW-4, MW-5 and MW-6 are presented in Appendix A-4.

A Foxboro Model 108 OVA was used to screen each split-spoon sample for the presence of total volatile hydrocarbons (VHCs). The FID was field calibrated daily, based on manufacturer's specified procedures. Soil samples emitting the high head-space vapor readings were selectively retained for laboratory analysis. If a sample point determination could not be made based on field screening methods, then a representative soil sample from the soil/bedrock interface was retained for analysis. The soil sample representing the 0 to 2-foot interval was collected from the post-hole digger cuttings. All samples selected for analysis were

properly containerized, packed in ice, and sent to Southern Petroleum Laboratories, Inc. (SPL), Lafayette, LA (per Tenneco's directive) for chemical analysis. The site geologist initiated Chain-of-Custody and Request for Analysis sheets before shipping all samples and sealed sample coolers with custody tape before shipping. No preservatives (except ice) were used in the storage and shipping of the soil samples. Analytical methods are described in Section 5.1, and Certificate of Analysis reports are presented in Appendices B-3 and B-4. Soil samples not retained for chemical analysis were placed on plastic along with the cuttings from each monitor well. Field screening results from all monitor well installations are presented in Table 1.

Soil boring AB-4 was installed at the eastern edge of the tankhold immediately adjacent to monitor well MW-B2 (RC&A) to verify earlier soil screening and analytical results from the installation of MW-B2. The borehole was augered with 2¼-inch inside diameter (ID) hollow stem sampling augers.

3.2 Bedrock Drilling Procedures

3.2.1 Rock Coring

As outlined in the April 1990 Environmental Assessment Plan submitted by IT to the SCDHEC, the procedures to be followed during this phase of the assessment included the installation of several soil borings to bedrock. If groundwater was not encountered within

Table 1. Soil Field Screening Results

Former Tenneco Location No. 62838
800 North West First Street
Seneca, South Carolina

(November 28 and 29, 1990)

Boring Number	Sample Interval (ft)	Vapor Concentration (ppm)[a]
MW-4	0 to 2	NA[b]
	5 to 7	0
	10 to 12	10
	15 to 17	10
	20 to 22	2
	25 to 27	40[c]
	30 to 32	8
	35 to 37	6[c]
AB-4	0 to 2	0
	5 to 7	33
	10 to 12	72[c]
	15 to 17	18
	20 to 22	42
	25 to 27	80[c]
	30 to 32	82
	35 to 37	NA[b]
	40 to 42	>1,000[c]
	(January 14 through 16, 1991)	
MW-3	0 to 2	0
	5 to 7	6
	10 to 12	2
	15 to 17	5
	20 to 22	6
	25 to 27	10[c]
	30 to 32	5[c]
	35 to 37	5

[a]ppm = Parts per million.
[b]No sample obtained for screening.
[c]Sample submitted for laboratory analysis.

(continued)

Table 1. Soil Field Screening Results (cont'd)

Former Tenneco Location No. 62838
800 North West First Street
Seneca, South Carolina

(January 14 through 16, 1991)

MW-5	0 to 2	0
	5 to 7	0
	10 to 12	6[c]
	15 to 17	10
MW-6	0 to 2	0
	5 to 7	1
	10 to 12	1
	15 to 17	9[c]
	20 to 22	0.5
	25 to 27	2
	30 to 32	12[c]

[a]ppm = Parts per million.
[b]No sample obtained for screening.
[c]Sample submitted for laboratory analysis.

the soils, then rock coring would be conducted in search of groundwater to a maximum depth of 20 feet below the soil/bedrock interface. Each 5-foot core run was to be measured and a rock quality designator (RQD) calculated in order to determine the most likely intervals for water-bearing zones within the bedrock. Rock quality designations greater than 50 percent were interpreted as indicating high rock quality with a low potential for groundwater movement. Likewise, a low RQD factor was interpreted as indicating poor rock quality or high fracture density, indicating the potential for groundwater movement.

The first proposed monitor well location to be installed was MW-4. The borehole was augered using 2¼-inch ID hollow stem augers and sampled every five feet with split-spoon samplers until bedrock was encountered at approximately 37 feet below surface grade. No groundwater was encountered in the soils overlying the bedrock. Rock coring was initiated using a 4-inch outside diameter (OD) diamond core barrel. Ten feet of bedrock was cored during the first run. Approximately 9 feet (108 inches) of rock was recovered with approximately 7.9 feet (95 inches) of rock segments measuring 4 inches or greater in length. This produced a rock quality designation of 87.96 percent. A second core run was initiated to a total depth of approximately 57 feet in order to complete the 20 foot maximum core run proposed in the work plan. This second run recovered approximately 8.4 feet (101 inches) of rock with 8 feet (97 inches) of rock segments measuring 4 inches or greater in

length. This gave an RQD factor of 96 percent.

Based on this data, the possibility of groundwater movement within the upper 20 feet of bedrock appeared very low. The borehole was hand pumped for several hours on November 29, 1990 to remove the potable water introduced during coring. After allowing the borehole to remain open for 1 hour, approximately 10 feet of water were present in the borehole. Because potable water was introduced during coring procedures, it appeared unlikely that a bedrock aquifer had been penetrated and more likely that the overlying saprolitic soils were slowly releasing the water introduced during drilling.

In a telephone conversation from the drill site on November 30, 1990 between John R. Isham of IT and Read S. Miner of the SCDHEC Groundwater Protection Division, it was determined that at least one representative groundwater sample would be required by SCDHEC in order to be able to make a determination as to the degree of impact the hydrocarbon release has had on the groundwater. Mr. Miner recommended that a representative groundwater sample be collected from the water encountered in borehole MW-4 and analyzed according to the approved work plan. Based on the uncertainty of the origin of the water, Mr. Isham recommended that a second sample be collected from MW-4 at least 14 days from the first sample collection to allow for sufficient time for the overlying silts to discontinue drainage of any remaining drill water. The

recommendation was accepted by Mr. Miner with the request that assurance be given as to the manner in which the borehole would be secured in the interim from surface runoff. In order to do so, this required that the borehole remain ungrouted during this interim period between sampling events. In order to assure that surface contamination and runoff could not enter the subsurface via the borehole, a monitor well was installed in MW-4 according to South Carolina Well Standards and Regulations R.61-71.

A preliminary groundwater sample was collected from MW-4 on November 30, 1990 and analyzed for BTEX by EPA Method 602, and for dissolved lead by EPA Method 239.2. Approximately two weeks later (December 13, 1990), a second sample was collected for BTEX analysis from MW-4 after the well had been purged to near dryness three times. The analytical results from MW-4 indicated that dissolved hydrocarbon constituents were present within the water samples collected with benzene concentrations of 525 ppb on November 30, 1990 and 1,270 ppb on December 13, 1990 (see Appendices B-3 and B-4). A low concentration of dissolved lead was detected in MW-4 (well below the National Primary Drinking Water Standard). The static level of water in MW-4 during both sampling dates was approximately 39 feet from the top of the well casing. These preliminary results were presented to Read S. Miner (SCDHEC) on January 2, 1991 with a request to install an additional monitor well (MW-6) at the site for the purpose of completing the environmental assessment. The monitor well approval was granted by

the SCDHEC on January 4, 1991. A copy of this approval letter is included in Appendix A.

3.2.2 Air-Rotary Drilling

The remaining monitor wells MW-3, MW-5 and MW-6 were installed from January 14 to 16, 1991 by a South Carolina licensed driller supervised by an IT geologist. In order to be more cost effective and to reduce field time during drilling activities, air-rotary drilling was selected as the preferred drilling method. Since groundwater had not been encountered within the overlying soils during previous installations, the pilot boring through the overburden could be drilled and sampled quicker and more cost effectively with air than with the use of standard hollow stem augers (typically used under saturated conditions). A 3-7/8-inch OD tri-cone rock bit was utilized during the drilling of both the overburden and bedrock during the installation of MW-3, MW-5 and MW-6. The air used during drilling was supplied by the drill rigs' on-board air compressor. A two-stage carbon/particulate filter system was installed in-line with the compressor for filtering out any foreign particulates (first stage) and condensed water/compressor oils (second stage) prior to the air stream entering the borehole. The borehole for each monitor well was initiated with a post-hole digger prior to drilling. The flow of air exiting the drill bit effectively kept the borehole clean from cuttings during drilling. The soil cuttings exited the borehole where they collected around the opening of the boring. The

cuttings were removed from the work area and spread on and covered by plastic sheeting in order to maintain a clean work area. Split-spoon samples were collected at 5-foot intervals with FID readings recorded for all sample depths.

Because air rotary does not require the use of muds or any other liquids during drilling, an approximation as to the depth at which saturated conditions occur can be made. Approximately 20 feet of rock was cut in boring locations MW-3, MW-5 and MW-6. The IT geologist recorded all apparent changes in rock competency (ease of drilling), penetration rates (fractures), and moisture content of the soil/bedrock cuttings (presence of groundwater).

3.3 Well Construction Procedures

All borings (except AB-4) were converted to monitor wells using 2-inch diameter Schedule 40 polyvinyl chloride (PVC) riser pipe and 0.020-inch factory-slotted PVC well screens in accordance with South Carolina Well Standards and Regulations R.61-71. The well screen was set to intersect the interval from the soil/.bedrock interface to the bottom of the borehole. A coarse-grained, washed, silica sand pack was installed around the well screens from the bottom of the borehole to a minimum of 2 feet above the top of the screened interval. A 2-foot minimum pelleted bentonite seal was placed above the sand pack in order to prevent the intra-annular exchange of fluids within the borehole annulus. A Portland Type I cement/3% bentonite slurry was tremie-piped from the bentonite seal

to near surface grade. Casing tops were secured with a water-tight, locking well cap and lock. The well heads were housed at surface grade in 12-inch diameter, water-tight, bolt-down manholes secured in place with a 24-inch square concrete pad. Monitor well construction diagrams for each well are included in Appendix A-4.

All monitor wells were developed by overpumping with a Brainard-Kilman hand pump in order to set the filter pack installation. Monitor wells MW-3, MW-4 and MW-6 were pumped until the groundwater was relatively free of any filter sand and formational material. Monitor well MW-5 was found to be dry on January 16, 1991.

3.4 Well Monitoring and Surveying

All wells were monitored for the presence of free-phase hydrocarbons and static depth to water on February 26, 1991 using an electronic water level indicator capable of measuring differences in depths up to 0.01 feet. No free-phase hydrocarbons were observed in any of the wells and all wells (except MW-5) exhibited an odor characteristic of hydrocarbons.

The top of each well casing riser was surveyed on February 26, 1991 relative to an onsite arbitrary benchmark with an assumed topographic elevation of 100.00 feet. Table 2 is a summary of the survey and well monitoring data.

Table 2. Survey Data and Groundwater Elevations

Former Tenneco Location No. 62838
800 North West First Street
Seneca, South Carolina

(February 26, 1991)

Well Number	Top-of-Casing Elevation[a]	Depth to Groundwater[b] (ft)	Groundwater Elevation[b]
MW-B1	98.42	Dry(25.05)	NA[c]
MW-B2	99.60	Dry(25.95)	NA[c]
MW-3	100.38	39.63(54.65)	60.75
MW-4	97.88	39.44(52.05)	58.44
MW-5	97.62	33.75(39.05)	63.87
MW-6	99.42	41.85(53.85)	57.57

[a]Top-of-casing elevation relative to an arbitrary benchmark of 100.00 feet.
[b]Measured from reference elevation at top of casing. Value in parentheses () indicates total well depth in feet.
[c]Groundwater elevation not available.

3.5 Groundwater Sampling Procedures

A representative sample of the groundwater encountered in each monitor well was collected in a clear acrylic bailer and observed for the presence and thickness of any free-phase hydrocarbons prior to sampling.

Prior to groundwater sampling, monitor wells MW-3, MW-4 and MW-6 were purged by bailing three to five well volumes of water until the groundwater was relatively free of filter sand and formational material or until the well was dry. Static water levels were obtained prior to purging each monitor well. On January 15 and 16, 1991, monitor wells MW-3, MW-4 and MW-6 were sampled for chemical analysis. During a routine visit to the site for the purpose of monitoring static groundwater levels, monitor well MW-5 was found to contain approximately 5 feet of groundwater and was subsequently purged, and sampled on March 11, 1991 for chemical analysis.

Each groundwater sample was collected using a pre-cleaned Voss™ polyethylene Single-Sampler disposable bailer. The water was carefully poured into one 1-liter glass bottle for polynuclear aromatic hydrocarbon (PAH) analysis and two 40-ml glass volatile organic analysis (VOA) vials with Teflon®-lined caps leaving no headspace. Chain-of-Custody and Request for Analysis forms were initiated at this time by the onsite IT geologist. The water samples were cooled by ice and shipped to SPL for chemical analysis. The analytical results are attached in Appendix B-5.

4.0 GEOLOGY AND HYDROGEOLOGY

4.1 Regional Geology and Hydrogeology

The geology of South Carolina can be described in terms of three geographic provinces: Coastal Plan (upper and lower), Piedmont (inner and outer), and Blue Ridge. The Seneca site is located within the Inner Piedmont province near the Blue Ridge Foothills of northwestern Oconee County, South Carolina. Schist and gneiss are the predominant parent rocks in this province, with small granitic plutons cropping out in some areas (Colquhoun, unpublished).

Residual soils (saprolite) derived from the chemical weathering of the underlying parent rock cover much of the area. The soils vary from less than a foot to more than 100 feet in thickness and are comprised of the A,B, and C soil horizons (Snipes, 1986). The A horizon is an organic-rich top soil. The B horizon consists of resistant minerals (like quartz and muscovite), clay minerals and minor amounts of hematite or limonite. The C soil horizon underlies the B and overlies the parent rock. This horizon usually consists of only partially weathered parent rock retaining much of the original structures and textures of the original material. Unconfined groundwater tends to accumulate at the contact between the C horizon and the parent rock due to the higher permeability of the overlying soils.

Groundwater in the Piedmont province frequently occurs within bedrock in fracture zones or along compressional bedding planes, as the igneous and metamorphic rocks of the Piedmont are essentially impermeable except in these zones. Available void spaces for the storage and transmission of water include: intragranular porosity of the overlying saprolitic soils, the surface between the parent rock and the overlying soils; microscopic and megascopic cavities produced by leaching the more soluble mineral grains in otherwise impermeable rock; joints and faults; sheeting joints; large scale linear fracture zones attributed to vertical or systematic joint sets; or faults. Flow patterns are controlled by the trends of the fracture zones and bedding planes (Snipes, 1986).

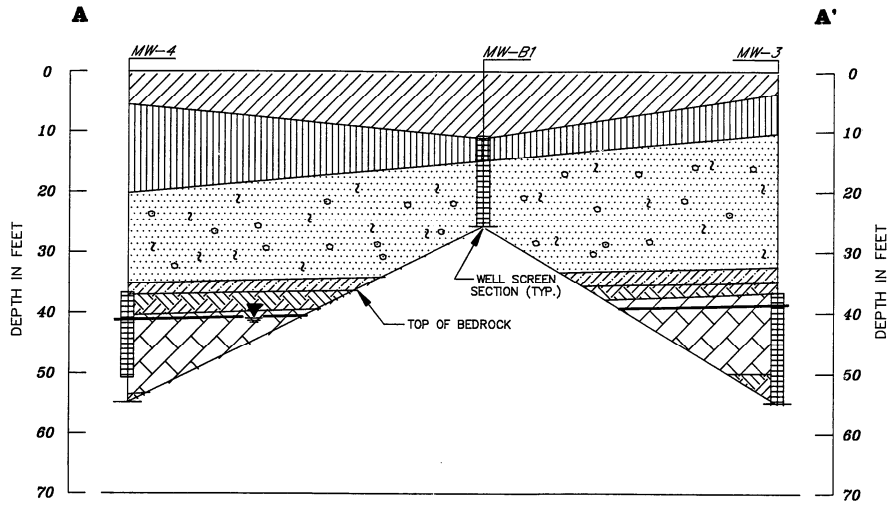
4.2 Site Geology and Hydrogeology

The site soils consist mainly of red, brown and tan clayey, sandy micaceous silts (saprolite) encountered between approximately 2 and 40 feet below surface grade. Abundant weathered rock zones (mottled white and black) are present throughout the section (C horizon) as gravel units consisting of quartz, weathered feldspars and micas (sericite). Relic structures and foliations were visible in fresh soil samples and were generally powdery in nature (dry). The quartz sand grains were predominantly subrounded to subangular in shape and were moderately well sorted (poorly graded). Groundwater was not encountered within the overlying soils beneath the site.

Bedrock was encountered at depths ranging from 20 feet to 40 feet below surface grade. Core samples from monitor well MW-4 consisted of a quartz-biotite gneiss with localized inclusions that appeared to be grano-diorite (granitic) in composition. The upper 15 feet of bedrock at all well locations exhibited a highly fractured nature with weathered zones containing clay seams and the presence of groundwater. Figures 4 and 5 represent geologic cross-sections through the site based on available data from soil boring/monitor well installations.

The surface topography slopes gently to the west-northwest. Based on the depth at which bedrock was encountered at several locations across the site, the soil/bedrock interface appears to be highly irregular dipping gently to the northeast. A small topographic high is located to the southwest of the facility. Bedrock is present at approximately 30 feet beneath the store and product tankhold area in what appears to be a small residual knob with gently sloping sides to the northwest and east. These subsurface features appear consistent with those that are expected in a highly deformed region which has undergone multiple episodes of deformation (folding an faulting) and extensive weathering.

Groundwater is present within the underlying bedrock at a depth ranging from 33 to 41 feet below the ground surface. Groundwater flow within the bedrock appears to be to the northeast beneath the site. The Seneca site has an approximate hydraulic gradient of



LEGEND

- RED CLAY
- RED/BROWN MICACEOUS SILTS AND WEATHERED ROCK
- RED MICACEOUS SILTS (SAPROLITE)
- GREEN MICACEOUS RUBBLE
- QUARTZ BIOTITE GNEISS (FRACTURED)
- QUARTZ BIOTITE GNEISS (WEATHERED)

0 10 20 FEET
HORIZONITAL AND VERTICAL SCALE

STATIC WATER TABLE (2/26/91)

NOTE: 1) SEE FIGURE 3 FOR LOCATION OF CROSS-SECTION A-A'

FIGURE 4
GEOLOGIC CROSS-SECTION A-A'
FORMER TENNECO STORE NO. 62838
800 N.W. FIRST STREET
SENECA, SOUTH CAROLINA
PREPARED FOR

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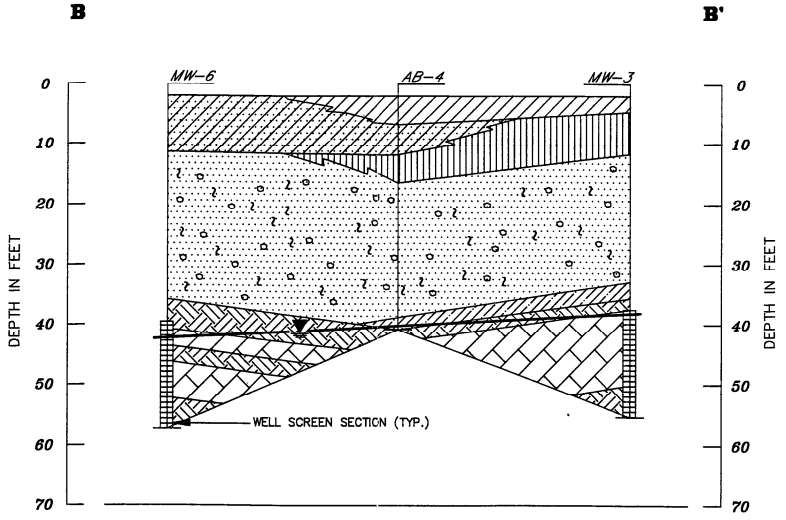
	2-01-91	APPROVED BY	JGL		



LEGEND

- RED CLAY
- RED SANDY CLAY
- RED MICACEOUS SILTS (SAPROLITE)
- QUARTZ BIOTITE GNEISS (FRACTURED)
- RED/BROWN MICACEOUS SILTS AND WEATHERED ROCK
- GREEN MICACEOUS RUBBLE
- QUARTZ BIOTITE GNEISS (WEATHERED)
- STATIC WATER TABLE (2/26/91)

0 10 20 FEET
HORIZONTAL AND VERTICAL SCALE

NOTE: 1) SEE FIGURE 3 FOR LOCATION OF CROSS-SECTION B-B'

FIGURE 5

GEOLOGIC CROSS SECTION B-B'

FORMER TENNECO STORE NO. 62838
800 N.W. FIRST STREET
SENECA, SOUTH CAROLINA

PREPARED FOR

TENNECO INC.
ENVIRONMENTAL AFFAIRS
MARIETTA, GEORGIA

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0.09 ft/ft. A water table elevation map is presented in Figure 6.

According to a Sensitive Receptors-Risk Assessment Site Survey conducted by IT on June 26, 1989, no known public or private water supply wells are located within a quarter-mile radius of the site. In a conversation on October 14, 1988 between Scott Young of IT and DeWitt Martin, City Engineer for The City of Seneca, Mr. Martin stated that all residents within a five to seven mile radius of Seneca are on the City water system. A visual inspection of the properties immediately surrounding the site did not indicate the presence of any private (residential) wells.

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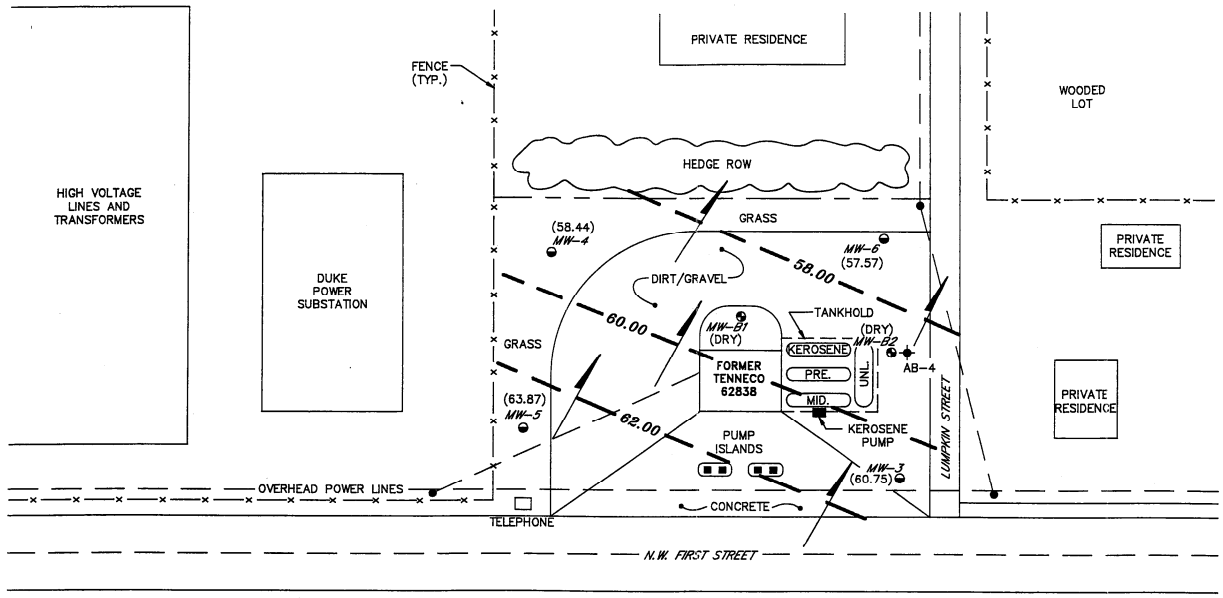
	2-01-91			408217-628-B7



LEGEND

- EXISTING MONITOR WELL (RICHARD CATLIN & ASSOCIATES)
- NEWLY INSTALLED SOIL BORING
- NEWLY INSTALLED MONITOR WELL (IT)
- (58.44) WATER TABLE ELEVATION (FEET)
- 60.00 GROUNDWATER CONTOUR LINE
- GROUNDWATER FLOW DIRECTION

APPROX. SCALE
0 10 20 FEET

FIGURE 6
WATER TABLE ELEVATION MAP
(FEBRUARY 26, 1991)
FORMER TENNECO STORE NO. 62838
800 N.W. FIRST STREET
SENECA, SOUTH CAROLINA
PREPARED FOR
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NOTE: CONTOUR INTERVAL=2.00 FEET

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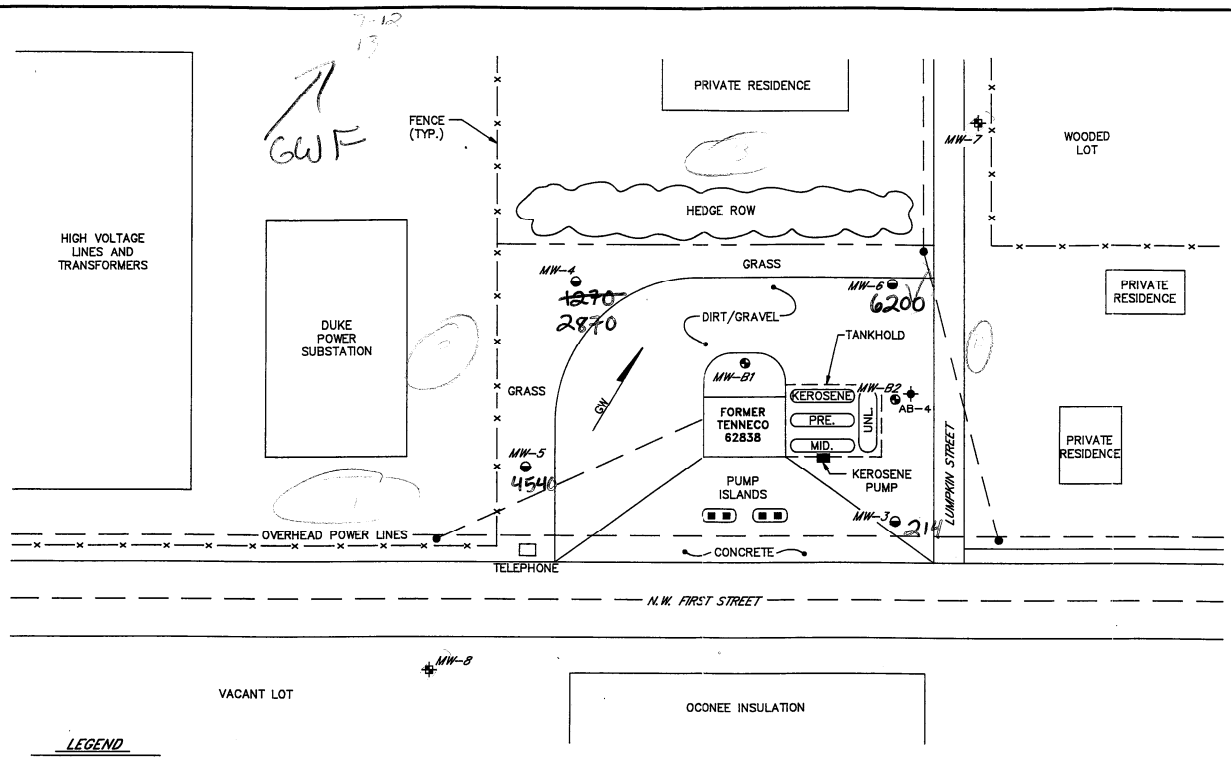
DRAWING NUMBER	408217-628-BB	



LEGEND

- EXISTING MONITOR WELL (RICHARD CATLIN & ASSOCIATES)
- NEWLY INSTALLED SOIL BORING (IT)
- NEWLY INSTALLED MONITOR WELL (IT)
- PROPOSED MONITOR WELL
- GW — GENERALIZED GROUNDWATER FLOW DIRECTION

APPROX. SCALE
0 10 20 FEET

FIGURE 8

EXISTING AND PROPOSED MONITOR WELL LOCATIONS

FORMER TENNECO STORE NO. 62838
800 N.W. FIRST STREET
SENECA, SOUTH CAROLINA

PREPARED FOR

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5.0 ANALYTICAL RESULTS

5.1 Analytical Methods

Tenneco, Inc. has directed IT to use SPL, Inc. of Lafayette, LA to perform all laboratory services. SPL is certified in South Carolina to perform environmental analyses. Soil samples were prepared using EPA Method 5030. Two soil samples per borehole (except for AB-4 with three and MW-5 with one) were analyzed for total BTEX by EPA Method 8020 and for total petroleum hydrocarbons (TPH) by Modified California DHS (diesel). One groundwater sample per monitor well was analyzed for BTEX by EPA Method 602 and polynuclear aromatic hydrocarbons (PAH) by EPA Method 610. A groundwater sample from monitor well MW-4 was analyzed for dissolved lead by EPA Method 239.2. Certificates of Analysis for all soil and groundwater samples analyzed are presented in Appendix B.

5.2 Soils

Although each site is considered on a case-by-case basis by the SCDHEC, general action limits governing the need for remediating hydrocarbon-impacted soils in the Piedmont area of the state (according to the SCDHEC) have been set at 10 ppm total BTEX and 100 ppm TPH (SCDHEC, 1990). Soil analyses for all IT-installed monitor wells (except for AB-4) showed BTEX and TPH concentrations well below the state action limits indicating the apparent lack of

impacted soils in these areas of the site. Soil boring AB-4 tested above the state action limits for total BTEX at 40 feet with 44.940 milligrams per kilogram (mg/kg). Soils from soil boring AB-4 (at 40 feet) tested below the State action limit for TPH with 86 mg/kg. Table 3 summarizes the laboratory results of the soil sampling conducted during monitor well installation. The Laboratory Certificates of Analysis are included in Appendix B-5.

5.3 Groundwater

Drinking Water Standards for BTEX are 5 micrograms per liter (ug/l) benzene, 1,000 ug/l toluene, 700 ug/l ethylbenzene and 10,000 ug/l total xylenes (SCDHEC, 1991).

Analytical results of groundwater samples collected from MW-3, MW-4, MW-5 and MW-6 are summarized in Table 4. Monitor wells MW-B1 and MW-B2 were not sampled because they were dry. Monitor well MW-6 contained the highest concentration of dissolved volatile hydrocarbons with benzene, 6,200 micrograms per liter (ug/l); toluene, 8,400 ug/l; ethylbenzene, 897 ug/l; and total xylenes, 5,080 ug/l. All other monitor wells tested above Standards for dissolved benzene with MW-3 at 214 ug/l, MW-4 at 2,870 ug/l, and MW-5 at 4,540 ug/l. A low concentration of lead was detected in monitor well MW-4 at 2 ug/l. Since the concentration detected was well below the National Primary Drinking Water Standard of 50 ug/l and that natural background levels of 1 to 2 ug/l are common, the

Table 3. Analytical Results Summary - Soil Samples

Former Tenneco Location No. 62838
800 North West First Street
Seneca, South Carolina

(November 28 and 29, 1990)

Sample ID Number[c]		Concentration[a,b]				
		Benzene	Toluene	Ethylbenzene	Xylenes	TPH
AB-4	(10)	<0.001	<0.001	<0.001	<0.001	17
	(25)	0.011	<0.001	<0.001	0.010	<10
	(40)	1.033	8.953	6.957	27.997	86
MW-4	(25)	<0.001	<0.001	<0.001	<0.001	11
	(35)	<0.001	<0.001	<0.001	<0.001	12

(January 15 and 16, 1991)

Sample ID Number[c]		Concentration[a,b]				
		Benzene	Toluene	Ethylbenzene	Xylenes	TPH
MW-3	(25)	<0.002	<0.002	<0.002	<0.002	<10
	(30)	<0.002	<0.002	<0.002	<0.002	<10
MW-5	(10)	<0.002	<0.002	<0.002	<0.002	<10
MW-6	(15)	<0.002	<0.002	<0.002	<0.002	<10
	(30)	<0.002	<0.002	<0.002	<0.002	<10

[a]Concentration units are in milligrams per kilogram (mg/kg); approximately equivalent to parts per million (ppm).
[b]A less than (<) indicates the compound is not detected at the level indicated.
[c]Number in parentheses () indicates depth in feet of sample.

Table 4. Analytical Results Summary - Groundwater Samples

Former Tenneco Location No. 62838
800 North West First Street
Seneca, South Carolina

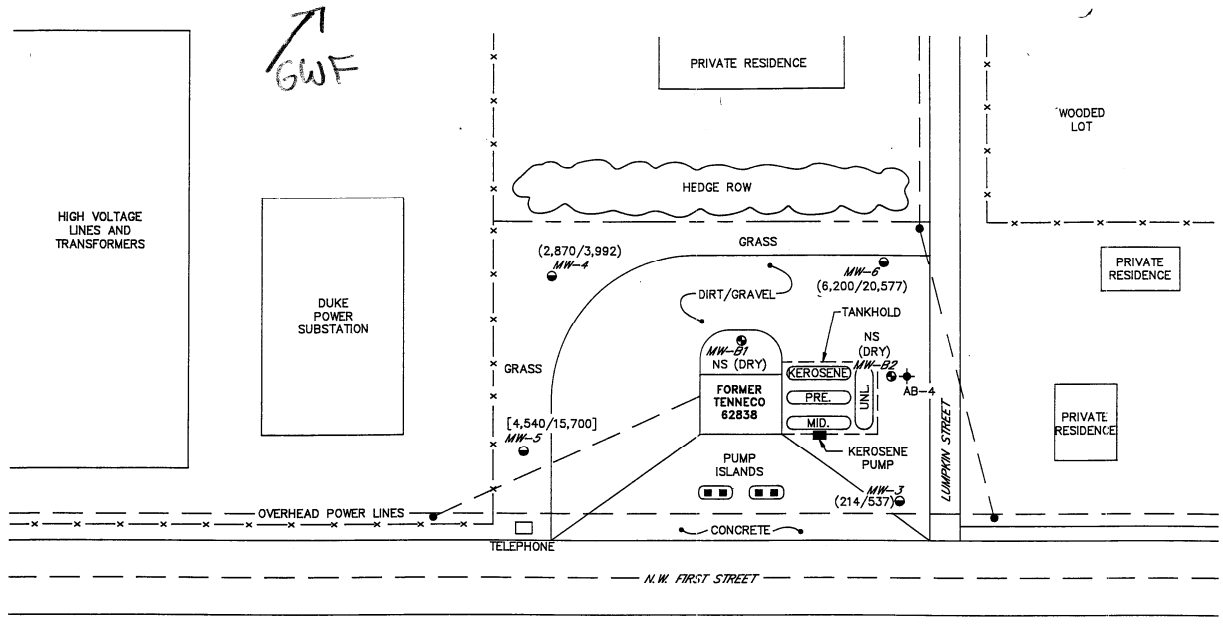
Sample ID Number	Concentration[a]			
	Benzene	Toluene	Ethylbenzene	Xylenes
	(November 30, 1990)			
MW-4	525	47	27	92
	(December 13, 1990)			
MW-4	1,270	119	59	272
	(January 16 and 17, 1991)			
MW-3	214	18	41	264
MW-4	2,870	560	11	551
MW-5[b]	4,540	2,640	1,520	7,000
MW-6	6,200	8,400	897	5,080

[a]Concentration units are in micrograms per liter (ug/l); approximately equivalent to parts per billion (ppb).
[b]Groundwater sample collected on March 11, 1991.

remaining monitor wells (MW-3, MW-5 and MW-6) were not sampled for total lead. The distribution of dissolved benzene/total BTEX in the groundwater for each monitor well sampled is presented in Figure 7.

Monitor well MW-3 was the only monitor well containing dissolved PAH with a naphthalene concentration of 129 ug/l.

DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
E.N.T. 2-01-91	[illegible] 3/14/91	[illegible] 3/14/91	406217-628-B6



LEGEND

- EXISTING MONITOR WELL (RICHARD CATLIN & ASSOCIATES)
- NEWLY INSTALLED SOIL BORING
- NEWLY INSTALLED MONITOR WELL (IT)
- (214/537) DISSOLVED BENZENE/BTEX CONCENTRATION (ug/l)
- [4,540/15,700] DISSOLVED BENZENE/BETX CONCENTRATION (ug/l, 3/11/91)
- NS NOT SAMPLED DUE TO DRY WELL

APPROX. SCALE
0 10 20 FEET

FIGURE 7
DISSOLVED HYDROCARBON DISTRIBUTION IN GROUNDWATER (JANUARY 1991)
FORMER TENNECO STORE NO. 62838
800 N.W. FIRST STREET
SENECA, SOUTH CAROLINA
PREPARED FOR
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6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 Conclusions

Four monitor wells and one soil boring were installed at the former Tenneco Store No. 62838 located at 800 North West First Street in Seneca, South Carolina in order to determine the horizontal and vertical extent of the adsorbed hydrocarbons within the soils, to determine if groundwater exists within the bedrock beneath the site, and to determine the presence and horizontal extent of any dissolved phase hydrocarbons detected in the groundwater. Ten soil samples were collected using a decontaminated split-spoon sampler and analyzed for total BTEX and TPH (diesel), and six groundwater samples were collected from monitor wells MW-3, MW-4, MW-5 and MW-6. Each groundwater sample was analyzed for BTEX and PAH. Hydrocarbon-impacted soils were encountered during the augering of soil boring AB-4.

The contact between the soil/bedrock interface ranges from 20 to 40 feet below ground surface and appears to be irregular and topographically higher beneath the southwestern corner of the site. Groundwater is approximately 40 feet below ground surface with groundwater flow in the site area to the northeast with an approximate hydraulic gradient of 0.09 ft/ft.

Laboratory analyses on groundwater samples from monitor wells MW-3, MW-4, MW-5 and MW-6 indicate the presence of dissolved benzene with 214 ug/l, 2,870 ug/l, 4,540 ug/l, and 6,200 ug/l, respectively. Monitor well MW-6 showed the highest dissolved concentration of hydrocarbons with benzene, toluene, ethylbenzene all above Drinking Water Standards. Dissolved PAH compounds (as naphthalene) were only detected in monitor well MW-3. The dissolved lead concentration in monitor well MW-4 at 2 ug/l was well below the National Primary Drinking Water Standard of 50 ppb (0.050 ppm).

A dissolved hydrocarbon plume has been detected in the groundwater contained within the underlying bedrock formation. It appears likely that the source of the hydrocarbons is the tankhold and associated piping located off the eastern side of the store.

The naphthalene detected in MW-3 may be indicative of a past release of kerosene from the dispenser located off the southern side of the tankhold.

6.2 Recommendations

Based on the results of the site assessment, the extent of the dissolved hydrocarbon plume has not been completely defined by the installation of monitor wells MW-3 through MW-6. Two additional monitor wells are recommended to better define the upgradient and downgradient extents of the dissolved hydrocarbon plume.

One well should be installed downgradient (offsite) of onsite monitor well MW-6 in order to define the downgradient extent of the dissolved hydrocarbons (Figure 8, proposed well MW-7). The second well should be located offsite (upgradient) of onsite monitor well MW-5 in order to determine the upgradient extent of the plume (proposed well MW-8).

Access agreements with the adjacent property owners to the northeast and southwest need to be obtained prior to any well installation. A monitor well approval from the SCDHEC will also be obtained. Underground utility locations will be noted and clearly marked prior to well installation procedures.

All wells will be completed in the same fashion as those previously installed by IT (2-inch diameter PVC to approximately 50 feet below surface grade), following the same work plan already approved by the SCDHEC. All soils and groundwater sampling methods will be the same as described in this report.

6.2.1 Hydraulic Testing

In order to more clearly understand the hydraulic properties below the site, rising head tests will be conducted to obtain values for hydraulic conductivity. Monitor wells MW-3, MW-4 and MW-6 will be utilized for testing. The field data collected during testing will be applied to graphical and empirical methods which would allow the formulation of an approximate value for hydraulic conductivity.

With this data, an approximate determination can be made regarding the number and size of recovery wells and pump characteristics for the groundwater recovery system. This information will be presented in a Corrective Action Plan (CAP). The CAP will not be prepared until the additional assessment activities, as outlined in this document, are complete.

6.2.2 Discharge Option Selection

In addition, IT will contact the Oconee County Sewer Authority to determine what the quality and quantity limitations are for POTW discharges, and if this discharge option is feasible for this location. If it is determined that an NPDES permit is appropriate for this location, a permit application will be completed utilizing analytical results from the "worst case" well analyses. The following parameters will be conducted on monitor well MW-6:

- Methyl tert-butyl ether (MTBE) by EPA Method 602.
- Purgeables, Base/Neutrals, Acids and Pesticides by EPA Methods 624 and 625.
- Lead (total filtered) by EPA Method 239.2
- ph, BOD_5, iron, alkalinity, specific conductance, hardness ($CaCO_3$), total dissolved solids (TDS), total suspended solids (TSS), and total organic carbon (TOC) by EPA Standard Methods for Wastewater or substantially equivalent method.

7.0 REFERENCES

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IT Corporation, October 1988, "Tenneco Leak Assessment Report; Tenneco Location No. 62838", IT Corporation, Knoxville, Tennessee.

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Seabrook, Harold, January 8, 1990, "Petroleum Contaminated Soil Guidelines Document", South Carolina Department of Health and Environmental Control, Waste Assessment Section, 2 pp.

Snipes, David S., June 1981, "Groundwater Quality and Quantity in Fracture Zones in the Piedmont of Northwestern South Carolina", Clemson University Water Research Institute, Technical Report No. 93, 91 pp.

South Carolina Department of Health and Environmental Control, June 1985, "South Carolina Well Standards and Regulations", R.61-71, Columbia, South Carolina.

South Carolina Department of Health and Environmental Control, June 1985, "Underground Storage Tank Control Regulations", R.61-92, Part 280.

U.S. Geological Survey 7.5 Minute Topographic Map, "Seneca, South Carolina", 1958, photorevised in 1980.

APPENDIX A
SOIL BORING LOGS AND MONITOR WELL CONSTRUCTION DIAGRAMS

APPENDIX A-1
Borings B-1 through B-4
(August 27 and 28, 1988)

I T CORPORATION

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 408818	PROJECT NAME: Tenneco-Seneca		
BORING NUMBER: B-1	COORDINATES: Red Diamond Service Station, Seneca, S. C.	DATE: 9/9/88	
ELEVATION:	GWL:Depth Date/Time	DATE STARTED: 9/9/88	
GEOLOGIST: S. Young	Depth Date/Time	DATE COMPLETED: 9/9/88	
DRILLING METHODS: 4" Dia. Hollow Stem Auger, Split Spoon Sampler		PAGE 1 of 1	

DEPTH (ft)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER (6")	RECOVERY (%)	DESCRIPTION	HNu (ppm)/ Time	REMARKS HNu background 53.57 ppm
- -	0-2'	-	100	Grass/gravel, humus to 6" (PT) followed by tan/brown stiff clay (CL).	0/0915	No HC odor.
-5 -	5-7'	-	100	Brown/rust stiff ,sandy, silty clay (CL). Micaceous, brittle, moist. Very low plasticity.	32/0928	Distinct HC odor.
-10 -	10-12'	-	100	Rust/orange micaceous sandy, silty clay (CL), stiff, brittle, moist. High silt content (40%) and low plasticity.	35/0929	Slight HC odor from 10-11', No HC odor from 11-12'.
-15 -	15-17'	-	100	Rust/orange, clayey silt to 16',followed by tan/beige clayey silt from 16-17' (ML). Loose and dry.	20/0930	Distict old HC odor from 15-16', decreasing to 17'.
-20 -	20-22'	-	100	Silt, same as above (ML).	42/0931	Distinct, old HC odor.
-25 -	25-26'	-	100	Silt, same as above (ML). Quartz layer encountered @ 28'.	20/0933	Distinct, old HC odor.
- -				T.D. = 30' (dry)		Bedrock at 29' weathered granite.

NOTES: HNu units in ppm.
Time began: 0800
Time completed: 0915
Time allowed for ground water recovery: No ground water encountered.

I T CORPORATION

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 408818	PROJECT NAME: Tenneco-Seneca		
BORING NUMBER: B-2	COORDINATES: Red Diamond Service Station, Seneca, S. C.	DATE: 9/9/88	
ELEVATION:	GWL:Depth Date/Time	DATE STARTED: 9/9/88	
GEOLOGIST: S. Young	Depth Date/Time	DATE COMPLETED: 9/9/88	
DRILLING METHODS: 4" Dia. Hollow Stem Auger, Split Spoon Sampler		PAGE 1 of 1	

DEPTH (ft)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER (6")	RECOVERY (%)	DESCRIPTION	HNu (ppm)/ Time	REMARKS HNu background 53.57 ppm
150-9 -5	No sample	-	-	Excavated to 6' on 9/7/88. Silty, sandy clay (CL).	150 9/7/88	
-10	10-12'	-	100	Tan/brown soft, silty, sandy clay (CL). Medium plasticity, wet.	130/1120	Strong HC odor.
-15	15-17'	-	100	Tan/rust soft, clayey silt (ML). Micaceous. Wet.	82/1217	Strong HC odor.
-20	20-22'	-	100	Clayey silt; same as above to 21', followed by highly weathered quartz to 21' 3", followed by beige/tan micaceous silt to 22'. Wet to 21', dry from 21-22' (ML).	70/1220	Strong, fresh HC odor to 21'. Distinct, old HC odor 21'3" to 22'.
-25	25-27'	-	50	Tan/clayey silt, micaceous, dry (ML).	75-1229	Distinct old HC odor
				T.D. = 30' Auger Refusal (weathered granite - dry)		

NOTES: HNu units are in ppm. EXP units are % L.E.L.
Time began: 1925
Time completed: 1140
Time allowed for ground water recovery: No ground water encountered.

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 435367 PHASE: 07 PROJECT NAME: TENNECO - 62838

BORING NUMBER: B-3 COORDINATES: NR DATE: 8/28/88

ELEVATION: NM GWL: Depth NA Date/Time NA DATE STARTED: 8/28/88

ENGINEER/GEOLOGIST: M. JORDAN Depth NA Date/Time NA DATE COMPLETED: 8/28/88

DRILLING METHOD: 6 1/4" O.D. HOLLOW STEM AUGER WITH SPLIT SPOON PAGE 1 OF 1

DEPTH (Ft.)	SAMPLE TYPE & NO	SAMPLE TIME & RECOVERY	DESCRIPTION	HNU(ppm)	HNU TIME MEASURED	REMARKS
-0						Concrete
	Soil 62838-3-0	0835 1.8'	Medium dense reddish-brown SILTY SAND	<500	0945	Moist
			Dense reddish-brown SILTY SAND			Moist
-5	Soil 62838-3-5	0850 0.8'	Very dense, reddish-brown SILTY SAND	<500	0945	Moist
			Dense, reddish-brown SILTY SAND			Moist
	Soil 62838-3-10	0904 1.9'	Stiff, reddish-brown SILT	<500	0945	Moist
-10			Medium dense, reddish-brown SILTY SAND			Moist
	Soil 62838-3-15	0916 1.9'	Stiff, reddish-brown SILT	<500	0945	Moist
-15			Total Depth = 14.9 feet			Groundwater was not encountered
-20						
-25						

NOTES: Time began: 0805
Time completed: 0925
Time allowed for groundwater recovery: 20 minutes
All times military

NA = Not Applicable
NM = Not Measured
NR = Not Recorded

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 435367 PHASE: 07 PROJECT NAME: TENNECO - 62838

BORING NUMBER: B-4 COORDINATES: NR DATE: 8/28/88

ELEVATION: NM GWL: Depth NA Date/Time NA DATE STARTED: 8/28/88

ENGINEER/GEOLOGIST: M. JORDAN Depth NA Date/Time NA DATE COMPLETED: 8/28/88

DRILLING METHOD: 6 1/4" O.D. HOLLOW STEM AUGER WITH SPLIT SPOON PAGE 1 OF 1

DEPTH (Ft.)	SAMPLE TYPE & NO	SAMPLE TIME & RECOVERY	DESCRIPTION	HNU (ppm)	HNU TIME MEASURED	REMARKS
-0						Root zone
	Soil 62838-4-0	0715 1.2'	Dense, reddish-brown SILTY SAND	0	0930	Dry
	Soil 62838-4-5	0722 0.5'	Medium dense, reddish-brown SILTY SAND	<500	0930	Moist
-5			Medium dense, reddish-brown SILTY SAND			Moist
			Dense, reddish-brown SILTY SAND			Moist
	Soil 62838-4-10	0740 1.9'	Hard, reddish-brown SANDY SILT	<500	0930	Moist
-10			Stiff, reddish-brown SILT			Moist
	Soil 62838-4-15	0755 1.7'	Stiff, reddish-brown SILT	<500	0930	Moist
-15			Total Depth = 14.7 feet			Groundwater was not encountered
-20						
-25						

NOTES: Time began: 0700
Time completed: 0800
Time allowed for groundwater recovery: 90 minutes
All times military

NA = Not Applicable
NM = Not Measured
NR = Not Recorded

TEN/435367-18(8)

APPENDIX A-2
Borings B1 and B2
(September 9, 1988)

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 435367 PHASE: 07 PROJECT NAME: TENNECO - 62838

BORING NUMBER: B-1 COORDINATES: NR DATE: 8/27/88

ELEVATION: NM GWL: Depth NA Date/Time NA DATE STARTED: 8/27/88

ENGINEER/GEOLOGIST: M. JORDAN Depth NA Date/Time NA DATE COMPLETED: 8/27/88

DRILLING METHOD: 6 1/4" O.D. HOLLOW STEM AUGER WITH SPLIT SPOON PAGE 1 OF 1

DEPTH (Ft.)	SAMPLE TYPE & NO	SAMPLE TIME & RECOVERY	DESCRIPTION	HNU (ppm)	HNU TIME MEASURED	REMARKS
-0						Gravel
	Soil 62838-1-0	1437 1.8'	Medium dense, reddish-brown SILTY SAND	0	1640	Moist
			Medium dense, reddish-brown SILTY SAND			Moist
-5	Soil 62838-1-5	1455 1.8'	Medium dense, reddish-brown SILTY SAND	<500	1640	Moist
			Hard, reddish-brown SANDY SILT			Moist
	Soil 62838-1-10	1508 2.0'	Hard, reddish-brown SANDY SILT	<500	1640	Moist
-10			Hard, reddish-brown SANDY SILT			Moist
	Soil 62838-1-15	1520 1.9'	Soft, reddish-brown, micaceous, SANDY SILT	<500	1640	Moist
-15			Total Depth = 14.9 feet			Groundwater was not encountered
-20						
-25						

NOTES: Time began: 1430
Time completed: 1530
Time allowed for groundwater recovery: 80 minutes
All times military

NA = Not Applicable
NM = Not Measured
NR = Not Recorded

TEN/435367-18(5)

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 435367 PHASE: 07 PROJECT NAME: TENNECO - 62838

BORING NUMBER: B-2 COORDINATES: NR DATE: 8/27/88

ELEVATION: NM GWL: Depth NA Date/Time NA DATE STARTED: 8/27/88

ENGINEER/GEOLOGIST: M. JORDAN Depth NA Date/Time NA DATE COMPLETED: 8/27/88

DRILLING METHOD: 6 1/4" O.D. HOLLOW STEM AUGER WITH SPLIT SPOON PAGE 1 OF 1

DEPTH (Ft.)	SAMPLE TYPE & NO	SAMPLE TIME & RECOVERY	DESCRIPTION	HNU(ppm)	HNU TIME MEASURED	REMARKS
-0						Gravel
	Soil 62838-2-0	1540 1.6'	Loose, reddish-brown SILTY SAND	<500	1650	Moist
			Loose reddish-brown SILTY SAND			Moist
-5	Soil 62838-2-5	1550 2.0'	Hard, reddish-brown SANDY SILT	<500	1650	Moist
			Hard, reddish-brown SANDY SILT			Moist
	Soil 62838-2-10	1600 2.0'	Hard, reddish-brown SANDY SILT	<500	1650	Moist
-10			Hard, reddish-brown SILT			Moist
	Soil 62838-2-15	1610 1.9'	Soft, reddish-brown SILT	<500	1650	Moist
-15			Total Depth = 14.9 feet			Groundwater was not encountered
-20						
-25						

NOTES: Time began: 1540
Time completed: 1620
Time allowed for groundwater recovery: 40 minutes
All times military

NA = Not Applicable
NM = Not Measured
NR = Not Recorded

TEN/435367-18(6)

APPENDIX A-3
Monitor Wells MW-B1 and MW-B2
(February 7, 1989)

BORING LOG

BORING NUMBER B-1 | SITE LOCATION Tenneco #62838 | DRILLED BY RF

TOTAL DEPTH 25.0' | NW First St., Seneca, SC | LOGGED BY GRDJ

DRILLING DATE 2/7/89

SAMPLE DEPTH (ft.) FROM	TO	SAMPLE DESCRIPTION	P.I.D. SURVEY	BLOW COUNT
0.0	1.5	Hit concrete slab at original well location; moves 6' South. Silty clay, red; slightly micaceous; medium plasticity, few larger grains; no hydrocarbon odor.	0.2	Grab
3.5	5.0	Silty clay as above, moist; no hydrocarbon odor.	0.0	3.6.9.12
8.5	10.0	Silty clay as above, moist; no hydrocarbon odor.	0.0	4.7.12.15
13.5	15.0	Saprolite, red/black/white; silts, few large grains, micaceous, relic structures, black stain/veins random throughout, moist; possible hydrocarbon odor.	7.2	4.5.6.6
18.5	20.0	Saprolite as above, loose, moist; possible hydrocarbon odor.	23.3	4.5.7.5
23.5	25.0	Saprolite as above, damp; structures more apparent with depth of spoon, thinly banded; possible hydrocarbon odor.	N/A	3.4.5.12

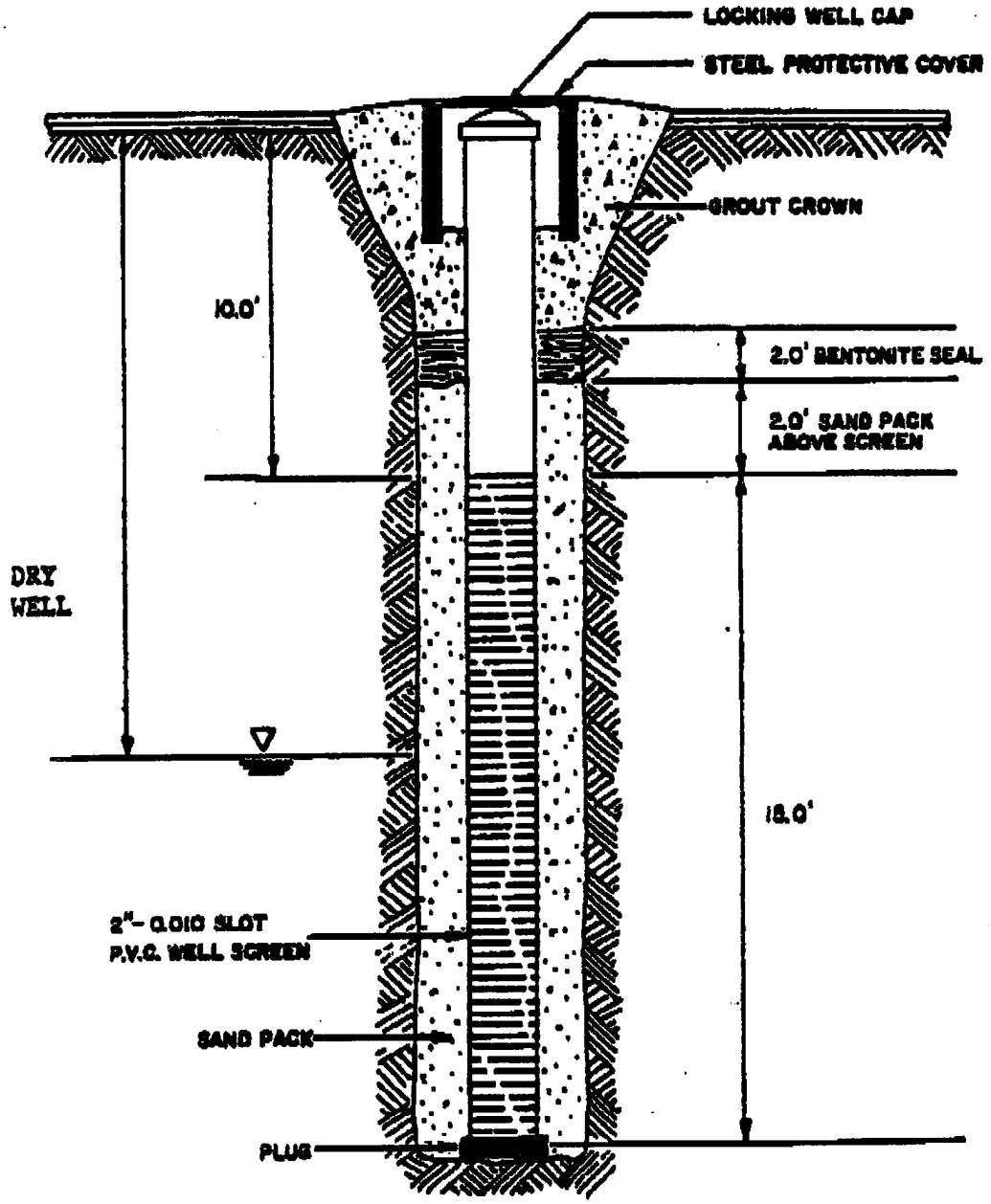
REMARKS

Richard Catlin & Associates, Inc.
CONSULTING ENGINEERS AND HYDROLOGISTS
RC&A

Tennece #62838
800 NW First Street
Seneca, SC

AS-BUILT WELL DETAIL

B-1



NOT TO SCALE

Richard Catlin & Associates, Inc.
CONSULTING ENGINEERS AND HYDROGEOLOGISTS
RC&A

BORING LOG

BORING NUMBER B-2
TOTAL DEPTH 26'

SITE LOCATION Tenneco #62838
NW First St., Seneca, SC

DRILLED BY RF
LOGGED BY GRDJ
DRILLING DATE 2/7/89

SAMPLE DEPTH(ft) FROM	TO	SAMPLE DESCRIPTION	P.I.D. SURVEY	BLOW COUNT
0.0	1.5	Clayey silts, red; few large grains, medium plasticity, micaceous; no hydrocarbon odor.	6.3	Grab
3.5	5.0	Clayey silts as above; possible hydrocarbon odor.	4.1	6.14.14.16
8.5	10.0	Saprolite, silts, red/brown with black stains random throughout; micaceous, loose, few large quartz grains, moist; possible hydrocarbon odor.	2.3	3.7.7.9
13.5	15.0	Saprolite as above, few relic structures, moist; possible hydrocarbon odor.	12.6	3.5.4.4
18.5	20.0	Saprolite as above, more evident relic structures with depth, moist; possible hydrocarbon odor.	10.4	5.4.5.5
23.5	25.0	Saprolite as above, relic structures more distinct, thin banding, isolated red staining; possible hydrocarbon odor.	N/A	5.5.6.6
28.5	30.0	No sample. Refusal at 26'	N/A	

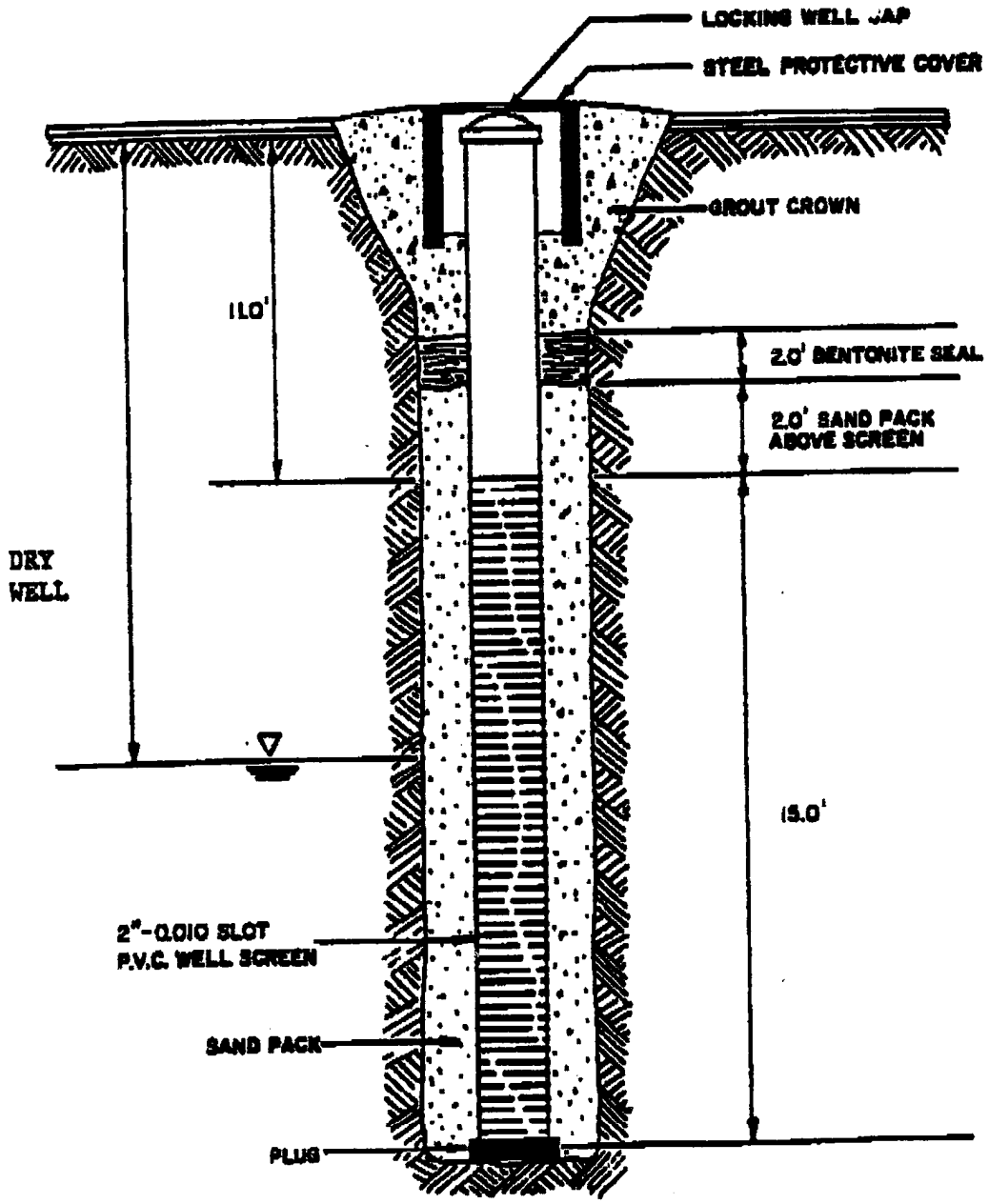
REMARKS

Richard Catlin & Associates, Inc.
CONSULTING ENGINEERS
RC&A

Tenneco #62838
800 NW First Street
Seneca, SC

AS-BUILT WELL DETAIL

B-2



NOT TO SCALE

Richard Catlin & Associates, Inc.
CONSULTING ENGINEERS AND HYDROGEOLOGISTS
RC&A

APPENDIX A-4
Soil Boring AB-4 and Monitor Wells MW-3 through MW-6
(November 1990 and January 1991)

South Carolina
DHEC
Department of Health and Environmental Control

Monitoring Well Approval

Approval is hereby granted to: International Technology, Inc.
3710 Landmark Drive, Suite 203
Columbia, S.C. 29204

Re: Former Tenneco 62838
800 N.W. First Street, Seneca
Oconee County

for the construction of monitoring well(s) designated MW-3 to MW-5 and AB-4 in accordance with the construction plans and specifications submitted on April 17, 1990. These well(s) will be constructed to the approximate depth of 40 feet below the surface and screened in the surficial aquifer for the purpose of monitoring ground-water contamination due to hydrocarbons.

Conditions: The latitude and longitude and actual construction details for each well must be submitted with the final report. Please contact Tommy Hyde of the Appalachia II District EQC Office (803-241-1090) at least 48 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 Department of Health and Environmental Control Regulations R.61-71.

Date of Issue: July 23, 1990

Stan Clark, P.G., Manager
Trust Section
Ground-Water Protection Division
Bureau of Drinking Water Protection

SC/rsm
MW1586.txt
0723901586/rsm

cc: Tommy Hyde
Appalachia II District EQC

Commissioner: Michael D. Jarrett Board: Henry S. Jordan MD, Chairman John B. Pate, MD, Vice Chairman William E. Applegate, III, Secretary
Toney Graham, Jr., MD John H. Burriss Richard E. Jabbour, DDS Currie B. Spivey, Jr.

2600 Bull Street Columbia, South Carolina 29201

South Carolina
DHEC
Department of Health and Environmental Control
2600 Bull Street, Columbia, SC 29201

Commissioner: Michael D. Jarrett

Board: John B. Pate, MD, Chairman
William E. Applegate, III, Vice Chairman
John H. Burriss, Secretary
Toney Graham, Jr., MD
Richard E. Jabbour, DDS
Henry S. Jordan, MD
Currie B. Spivey, Jr.

Promoting Health, Protecting the Environment

Monitoring Well Approval

Approval is hereby granted to: International Technology, Inc.
3710 Landmark Drive, Suite 203
Columbia, S.C. 29204
attn: John Isham

Re: Former Tenneco 62838
800 NW First Street, Seneca
Oconee County

for the construction of monitoring well(s) designated MW-6 in accordance with the construction plans and specifications submitted on April 17,1990 and January 4, 1991. These well(s) will be constructed to the approximate depth of 50 feet below the surface for the purpose of monitoring ground-water contamination due to hydrocarbons.

Conditions: The latitude and longitude and actual construction details for each well must be submitted with the final report. Please contact Tommy Hyde of the Appalachia II District EQC Office (803-241-1090) at least 48 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 Department of Health and Environmental Control Regulations R.61-71.

Date of Issue: January 4, 1991

James R. Hess, P.G., Manager
Trust Section
Ground-Water Protection Division
Bureau of Drinking Water Protection

RSM/rsm
MW1872.txt
0104911872/rsm

cc: Tommy Hyde
Appalachia II District EQC

RECEIVED JAN 9 - 1991

Symbols used for designation of subsurface materials on boring logs and subsurface sections:

OVERBURDEN:

- Sand
- Gravel
- Sand and Gravel
- Silt
- Clay
- Organic Material

SEDIMENTARY ROCKS:

- Limestone
- Siltstone
- Massive Mudstone or Claystone
- Sandstone
- Shale

MISCELLANEOUS:

- Slag
- Fill
- Concrete
- Void
- Static Ground Water Level With Date
- Ground Water Level During Drilling (Level may not be static)
- Approximate Existing Ground Surface
- Approximate Top of Bedrock

LOG LEGEND	LEGEND
DEPTH	Vertical depth from natural ground surface.
SAMPLE RUN	
R/#	Core run with run no., may be split barrel dry core or rotary core.
ST/#	Shelby tube (thin-wall tube) sample with number.
S 1/2/3 /#	Split spoon sample driven by hammer, with number and blow counts per six-inch drive interval. (CA indicates California Sample)
C-#	Cutting sample with number.
RECOVERY	Length of sample recovered from core run.
ANALYTICAL SAMPLE	Indicates interval analytical sample was sampled from. SAMPLE
JAR HEAD-SPACE	Indicates interval jar headspace sample was sampled from.
LITHOLOGIC COLUMN	Graphic representation of lithology according to standard IT format (see symbols to left).
BORING DESCRIPTION	Description of lithologies encountered. Description in parenthesis are inferred from cuttings.
U.S.C.S. SYMBOLS	Unified soil classification system (capital letters indicate lab test classification, lower case letters indicate visual field classification).
P.I.D. READING OF JAR HEADSPACE (ppm)	Concentration of chemical volatiles in headspace air of jarred samples as determined by a photoionization detector.
WELL INSTALLATION DATA	Graphic summary of well installation details.

U.S.C.S. GROUP SYMBOLS AND GRAPHIC PROFILES

- GW — Well graded gravels, gravel-sand mixtures, little or no fines.
- GP — Poorly graded gravels, gravel-sand mixtures, little or no fines.
- GM — Silty gravels, poorly graded gravel-sand-silt mixtures.
- GC — Clayey gravels, poorly graded gravel-sand-clay mixtures.
- SW — Well graded sands, gravelly sands, little or no fines.
- SP — Poorly graded sands, gravelly sands, little or no fines.
- SM — Silty sands, poorly graded sand-silt mixtures.
- SC — Clayey sands, poorly graded sand-clay mixtures.
- ML — Inorganic silts and very fine sands, rock flour, silty or clayey fine sands with slight plasticity
- CL — Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
- OL — Organic silts and organic silt-clays of low plasticity.
- MH — Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.
- CH — Inorganic clays of high plasticity, fat clays.
- OH — Organic clays of medium to high plasticity.
- PT — Peat and other highly organic soils.

THE BORING LOGS AND RELATED INFORMATION DEPICT SUBSURFACE CONDITIONS ONLY AT THE SPECIFIC LOCATIONS AND DATES INDICATED SOIL CONDITIONS AND WATER LEVELS AT OTHER LOCATIONS MAY DIFFER FROM CONDITIONS OCCURRING AT THESE BORING LOCATIONS. ALSO THE PASSAGE OF TIME MAY RESULT IN A CHANGE IN THE CONDITIONS AT THESE BORING LOCATIONS.

TERMS USED TO DESCRIBE THE RELATIVE DEGREES OF ROCK CORE HARDNESS

DESCRIPTIVE TERMS	DEFINING CHARACTERISTICS
VERY SOFT	CRUSHES UNDER PRESSURE OF FINGERS AND / OR THUMB
SOFT	CRUSHES UNDER PRESSURE OF PRESSED HAMMER
MEDIUM HARD	BREAKS EASILY UNDER SINGLE HAMMER BLOW BUT WITH CRUMBLY EDGES
HARD	BREAKS UNDER ONE OR TWO STRONG HAMMER BLOWS BUT WITH RESISTANT SHARP EDGES
VERY HARD	BREAKS UNDER SEVERAL STRONG HAMMER BLOWS BUT WITH VERY RESISTANT SHARP EDGES AND MAY SPALL LEAVING CONCHOIDAL FRACTURES

THE SPACING OF THE DISCONTINUITIES IN THE ROCK MAY BE DESCRIBED BY ON OF THE FOLLOWING TERMS

DESCRIPTIVE TERMS	SPACING
VERY BROKEN	LESS THAN 1 INCH
BROKEN	1 IN. TO 3 IN.
SLIGHTLY BROKEN	3 IN. TO 6 IN.
MASSIVE	6 IN. AND GREATER

AND – Indicates presence of 45% to 55% of subject material by volume.
SUFFIX "Y" (clayey, sandy, etc..)– Indicates presence of 30% to 45% of subsurface material by volume.
SOME – Indicates presence of 12% to 30% of subject material by volume.
TRACE – Indicates presence of less than 12% of subject material by volume.

CONSISTENCY OF COHESIVE SOILS

CONSISTENCY	UNCONFINED COMPRESSIVE STRENGTH TONS PER SQUARE FOOT
VERY SOFT	LESS THAN 0.25
SOFT	0.25 TO 0.50
MEDIUM STIFF	0.50 TO 1.0
STIFF	1.0 TO 2.0
VERY STIFF	2.0 TO 4.0
HARD	MORE THAN 4.0

DENSITY OF GRANULAR SOILS

DESIGNATION	BLOWS PER FOOT
VERY LOOSE	0-4
LOOSE	5-10
MEDIUM DENSE	11-30
DENSE	31-50
VERY DENSE	OVER 50

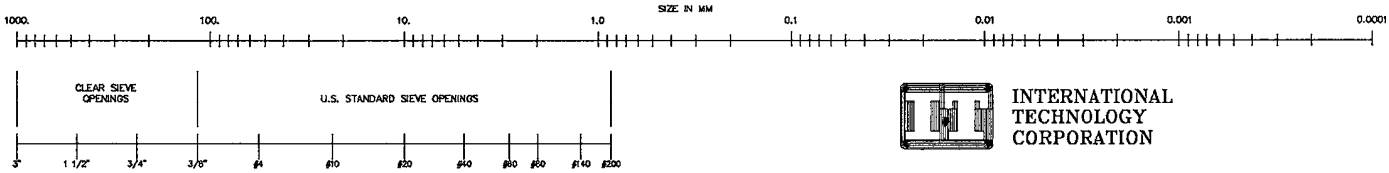
STANDARD PENETRATION RESISTANCE IS THE NUMBER OF BLOWS REQUIRED TO DRIVE A 2 INCH O.D. SPLIT BARREL SAMPLER 12 INCHES USING A 140 POUND HAMMER FALLING FREELY THROUGH 30 INCHES. THE SAMPLER WAS DRIVEN 18 INCHES AND THE NUMBER OF BLOWS REDORDED FOR EACH 6 INCH INTERVAL. THE RESISTANCE TO PENETRATION IS INDICATED ON THE DRAWING AS BLOWS PER FOOT.

U.S.C.S. CLASSIFICATION FOR SOILS

COBBLES	GRAVEL		SAND			SILT AND CLAY
	COARSE	COARSE	COARSE	MEDIUM	FINE	

WENTWORTH SCALE FOR ROCK

BOULDER	COBBLE	PEBBLE	GRANULE	VERY COARSE SAND	COARSE SAND	MEDIUM SAND	FINE SAND	VERY FINE SAND	SILT	CLAY	INDIVIDUAL PARTICLES
BOULDER CONGLOMERATE	COBBLE CONGLOMERATE	PEBBLE CONGLOMERATE	GRANULE CONGLOMERATE	VERY COARSE SANDSTONE	COARSE SANDSTONE	MEDIUM SANDSTONE	FINE SANDSTONE	VERY FINE SANDSTONE	SILTSTONE	CLAYSTONE AND SHALE	CONSOLIDATED ROCK



INTERNATIONAL TECHNOLOGY CORPORATION

GENERAL LEGEND FOR BORING LOGS AND SUBSURFACE SECTIONS

BORING NO. AB-4

PROJ. GEOL. J. ISHAM
FIELD GEOLOGIST B. HAMMEL
EDITED BY
CHECKED BY
TOTAL DEPTH 41.0'
COORDINATES 800 NW FIRST ST.
DATE BEGAN 11/28/90
DATE FINISHED 11/28/90
GROUND SURFACE EL. NA

DEPTH IN FEET	SAMPLE TYPE & NUMBER	RECOVERY (%)	BLOWS PER (6")	WELL SUMMARY	O.V.A. READING (ppm)	USCS	PROFILE	DESCRIPTION
0	AB-4 2			NA	0	cl		CLAY, red, iron oxidation at 3 ft. weathered rock (quartz, feldspars) no plasticity, sandy, dry.
5	AB-4 5 (1412)	100	12/13 17/18		33	ml		5.0' SANDY CLAY, red, medium to coarse quartz sand, low plasticity, firm, moist. MICACEOUS CLAY, red, minor sand, dry. 7.0'
10	AB-4 10 (1418)	60	5/5 5/5		72			MICACEOUS SILT, reddish brown, dry. SAPROLITE, relic minerals & structures.
15	AB-4 15 (1425)	100	3/4 5/5		18	mh		MICACEOUS SILT, brown, with weathered rock (feldspars, quartz, mica), soft, dry.
20	AB-4 20 (1435)	60	3/3 3/4	NO WELL CONSTRUCTED	42			MICACEOUS SILT, brown, with weathered rock fragments (feldspars, quartz, mica), soft, dry. MICACEOUS SILT, redish brown, with weathered rock fragments (feldspars, quartz mica). 25.0'
25	AB-4 25 (1445)	100	3/3 3/4		80			
30	AB-4 30 (1525)	100	11/10 17/27		82	ml		MIACEOUS SILT, weathered, mottled relic structures, moist.
35								

DRILLING CO.: IT ENVIRONMENTAL SERVICES
DRILL METHOD: 2 1/4" I.D. HOLLOW STEM SAMPLING AUGER (SPLIT SPOON)
PROJECT NO.: 408217.628
CLIENT: TENNECO INC. ENVIRONMENTAL AFFAIRS
LOCATION: FORMER TENNECO STORE NO. 62838 800 NW FIRST ST., SENECA, S.C.

SEE LEGEND FOR LOGS AND TEST PITS FOR EXPLANATION OF SYMBOLS AND TERMS

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. AB-4

PROJ. GEOL. J. ISHAM
FIELD GEOLOGIST B. HAMMEL
EDITED BY
CHECKED BY
TOTAL DEPTH 41.0'

COORDINATES 800 NW FIRST ST.
DATE BEGAN 11/28/90
DATE FINISHED 11/28/90
GROUND SURFACE EL. N/A

DEPTH IN FEET	SAMPLE TYPE & NUMBER	RECOVERY (%)	BLOWS PER (6")	WELL SUMMARY	O.V.A. READING (ppm)	USCS	PROFILE	DESCRIPTION
35	AB-4 35 (1555)	0	Spoon Refusal	NO WELL CONSTRUCTED		mi		AUGER, dropped through very soft zone.
					>1000			MICACEOUS SILT, green.
40	AB-4 40 (1610)	100	50+ Auger Refusal					40.0' Bedrock
						gw		ROCK CHIPS, plug, mica, quartz, amphiboles – gniess 41.0'
								T.D. = 41.0'
45								
50								
55								
60								
65								
70								

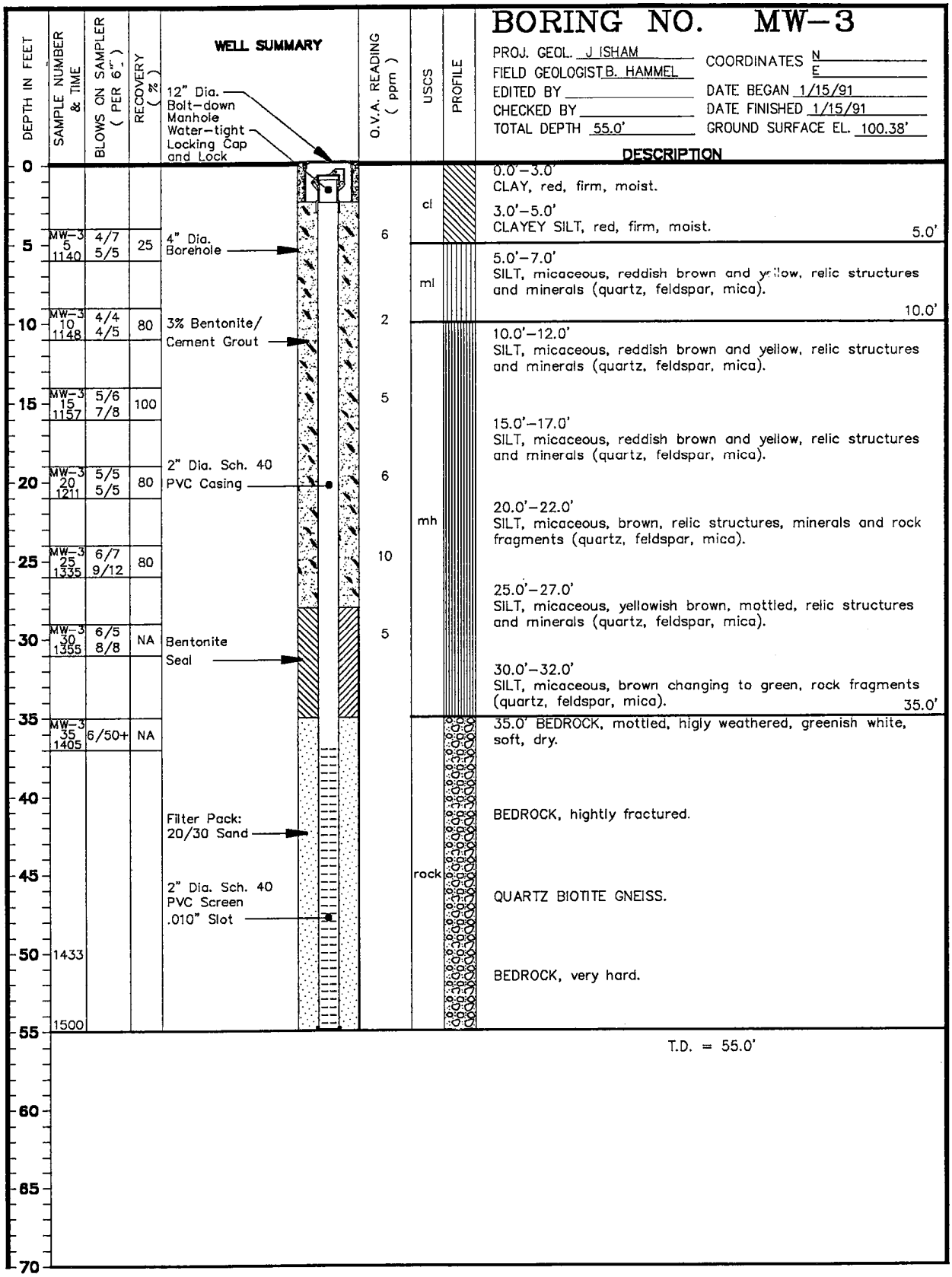
DRILLING CO.: IT ENVIRONMENTAL SERVICES
DRILL METHOD: 2 1/4" I.D. HOLLOW STEM SAMPLING AUGERS (SPOON SPLIT)
PROJECT NO.: 408217.628
CLIENT: TENNECO INC. ENVIRONMENTAL AFFAIRS
LOCATION: FORMER TENNECO STORE NO.62838 800 NW FIRST ST., SENECA, S.C.

SEE LEGEND FOR LOGS AND TEST PITS FOR EXPLANATION OF SYMBOLS AND TERMS

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. MW-3

PROJ. GEOL. J ISHAM
FIELD GEOLOGIST B. HAMMEL
EDITED BY
CHECKED BY
TOTAL DEPTH 55.0'
COORDINATES N
E
DATE BEGAN 1/15/91
DATE FINISHED 1/15/91
GROUND SURFACE EL. 100.38'



DESCRIPTION

0.0'–3.0'
CLAY, red, firm, moist.

3.0'–5.0'
CLAYEY SILT, red, firm, moist. 5.0'

5.0'–7.0'
SILT, micaceous, reddish brown and yellow, relic structures and minerals (quartz, feldspar, mica). 10.0'

10.0'–12.0'
SILT, micaceous, reddish brown and yellow, relic structures and minerals (quartz, feldspar, mica).

15.0'–17.0'
SILT, micaceous, reddish brown and yellow, relic structures and minerals (quartz, feldspar, mica).

20.0'–22.0'
SILT, micaceous, brown, relic structures, minerals and rock fragments (quartz, feldspar, mica).

25.0'–27.0'
SILT, micaceous, yellowish brown, mottled, relic structures and minerals (quartz, feldspar, mica).

30.0'–32.0'
SILT, micaceous, brown changing to green, rock fragments (quartz, feldspar, mica). 35.0'

35.0' BEDROCK, mottled, higly weathered, greenish white, soft, dry.

BEDROCK, hightly fractured.

QUARTZ BIOTITE GNEISS.

BEDROCK, very hard.

T.D. = 55.0'

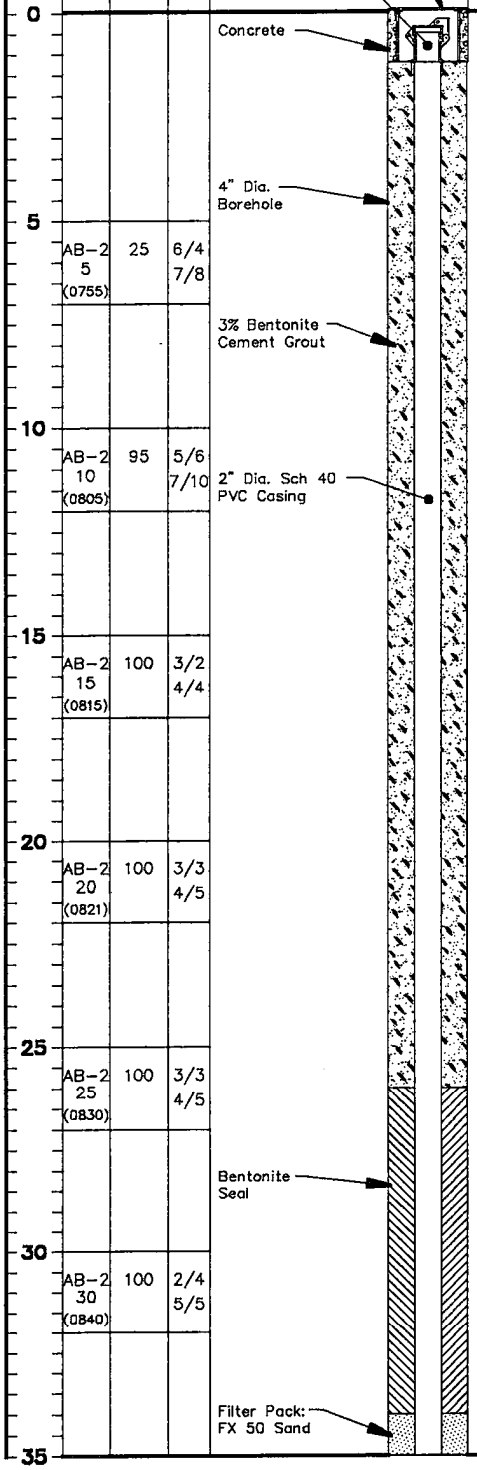
DRILLING CO.: IT ENVIRONMENTAL SERVICES
DRILL METHOD: 2-1/4" I.D. HOLLOW STEM AUGER/AIR ROTARY
3-7/8" BIT, SPEEDSTAR QUIK DRILL 275
DRILLER: MIKE STURDEVANT, S.C. NO.794
PROJECT NO.: 408217.628
CLIENT: TENNECO INC. ENVIRONMENTAL AFFAIRS
LOCATION: FORMER TENNECO STORE NO.62838
800 N.W. FIRST ST., SENECA, SC.

SEE LEGEND FOR LOGS AND TEST PITS
FOR EXPLANATION OF SYMBOLS AND TERMS

IT INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. MW-4

PROJ. GEOL. J. ISHAM — COORDINATES
FIELD GEOLOGIST Hammel
EDITED BY — DATE BEGAN 11-29-90
CHECKED BY — DATE FINISHED 11-30-90
TOTAL DEPTH 55.0' — GROUND SURFACE EL. 97.88'



DESCRIPTION

CLAY, red, low-plasticity, moist.

5.0'

SILTY CLAY, red, micaceous, moist.

SILT, with clay, red, micaceous, moist.

SILT, red, micaceous, relic structures, saprolite, soft, dry.

SAPROLITE, red, micaceous, silts, with weathered rock, quartz, feldspar, garnet, relic structures.

SILT, red, micaceous, weathered saprolite, relic minerals and structures, quartz, garnet, feldspar, micas.

SANDY SILT, light brown, soft, dry.

SANDY SILT, reddish brown, micaceous, weathered saprolite, rich in biotite, (black patches).

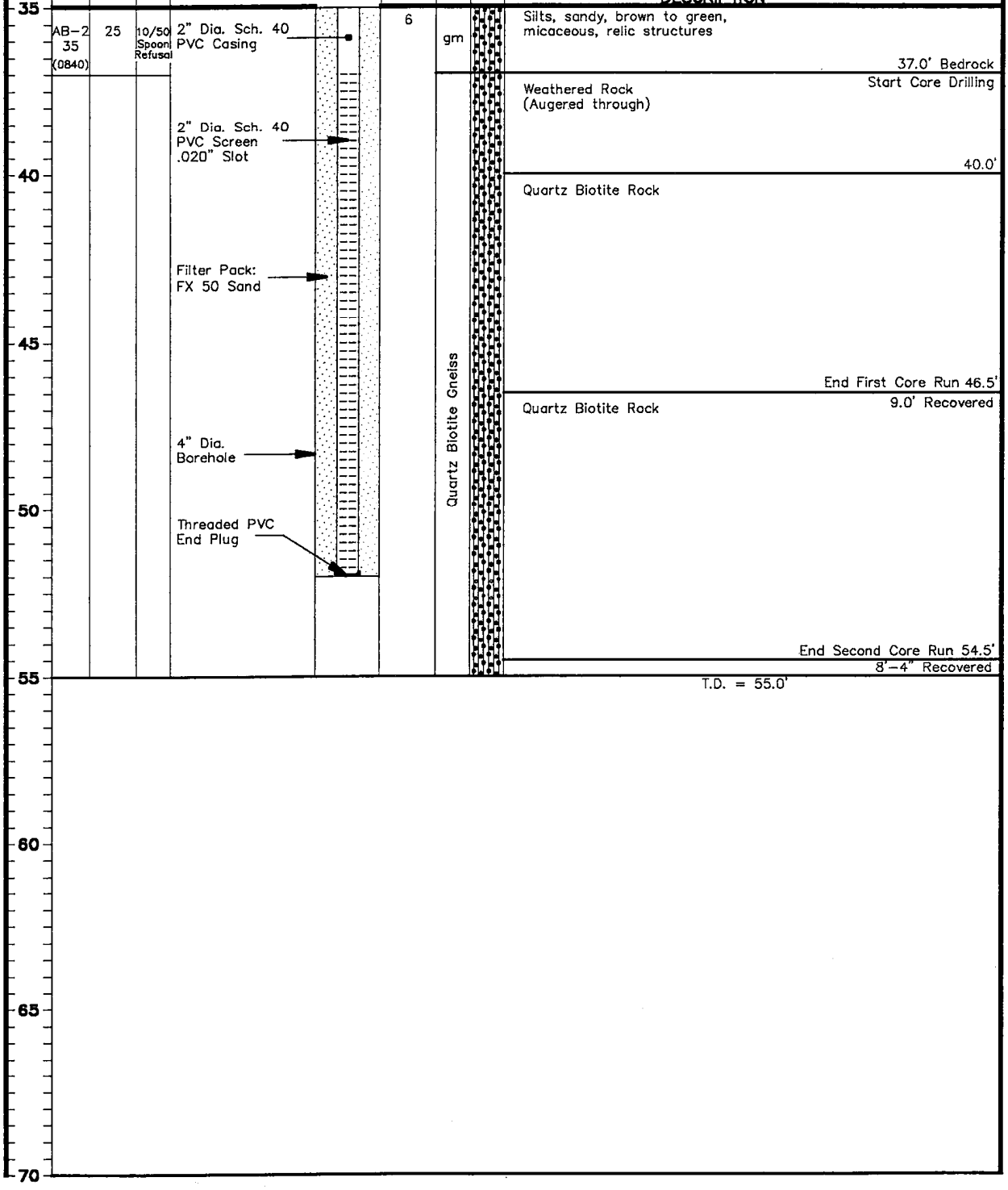
DRILLING CO.: IT ENVIRONMENTAL SERVICES
DRILL METHOD: 2 1/4" I.D. HOLLOW STEM AUGER
DIAMOND CORE BARREL
DRILLER: MIKE STURDEVANT, S.C. NO.794
PROJECT NO.: 408217.628
CLIENT: TENNECO INC. ENVIRONMENTAL AFFAIRS
LOCATION: FORMER TENNECO STORE NO.62838
800 NW FIRST ST., SENECA, S.C.

SEE LEGEND FOR LOGS AND TEST PITS
FOR EXPLANATION OF SYMBOLS AND TERMS

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. MW-4

PROJ. GEOL. Isham
FIELD GEOLOGIST Hammel
EDITED BY
CHECKED BY
TOTAL DEPTH 55.0'
COORDINATES
DATE BEGAN 11-29-90
DATE FINISHED 11-30-90
GROUND SURFACE EL. 97.88'



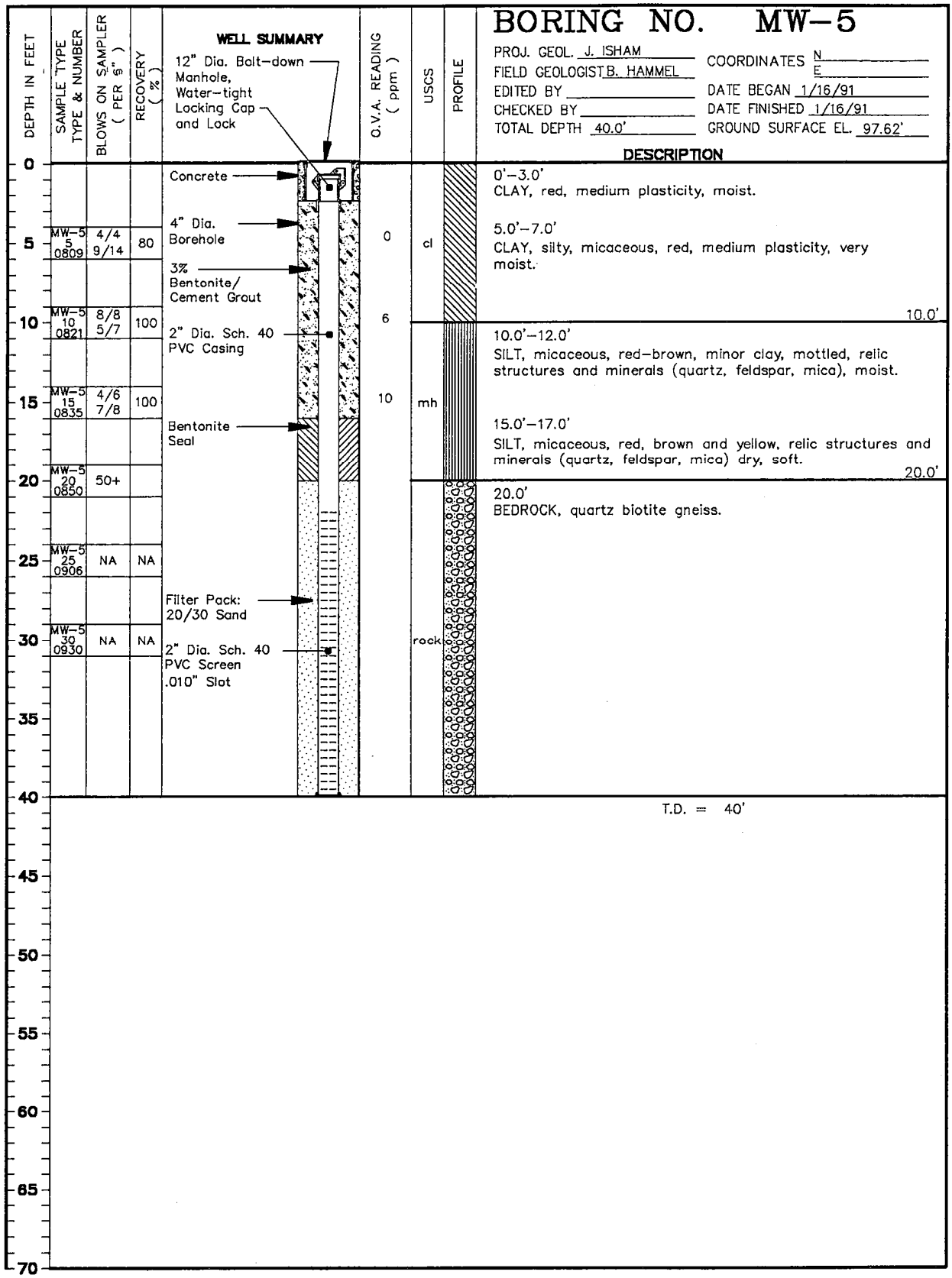
DRILLING CO.: IT ENVIRONMENTAL SERVICES
DRILL METHOD: 2 1/4" I.D HOLLOW STEM AUGER
DIAMOND CORE BARREL
DRILLER: MIKE STURDEVANT, S.C. NO.794
PROJECT NO.: 408217.628
CLIENT: TENNECO INC. ENVIRONMENTAL AFFAIRS
LOCATION: FORMER TENNECO STORE NO.62838
800 NW FIRST ST., SENECA, S.C.

SEE LEGEND FOR LOGS AND TEST PITS
FOR EXPLANATION OF SYMBOLS AND TERMS

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. MW-5

PROJ. GEOL. J. ISHAM
FIELD GEOLOGIST B. HAMMEL
EDITED BY
CHECKED BY
TOTAL DEPTH 40.0'
COORDINATES N
E
DATE BEGAN 1/16/91
DATE FINISHED 1/16/91
GROUND SURFACE EL. 97.62'



DESCRIPTION

0'–3.0'
CLAY, red, medium plasticity, moist.

5.0'–7.0'
CLAY, silty, micaceous, red, medium plasticity, very moist.

10.0'

10.0'–12.0'
SILT, micaceous, red–brown, minor clay, mottled, relic structures and minerals (quartz, feldspar, mica), moist.

15.0'–17.0'
SILT, micaceous, red, brown and yellow, relic structures and minerals (quartz, feldspar, mica) dry, soft.

20.0'

20.0'
BEDROCK, quartz biotite gneiss.

T.D. = 40'

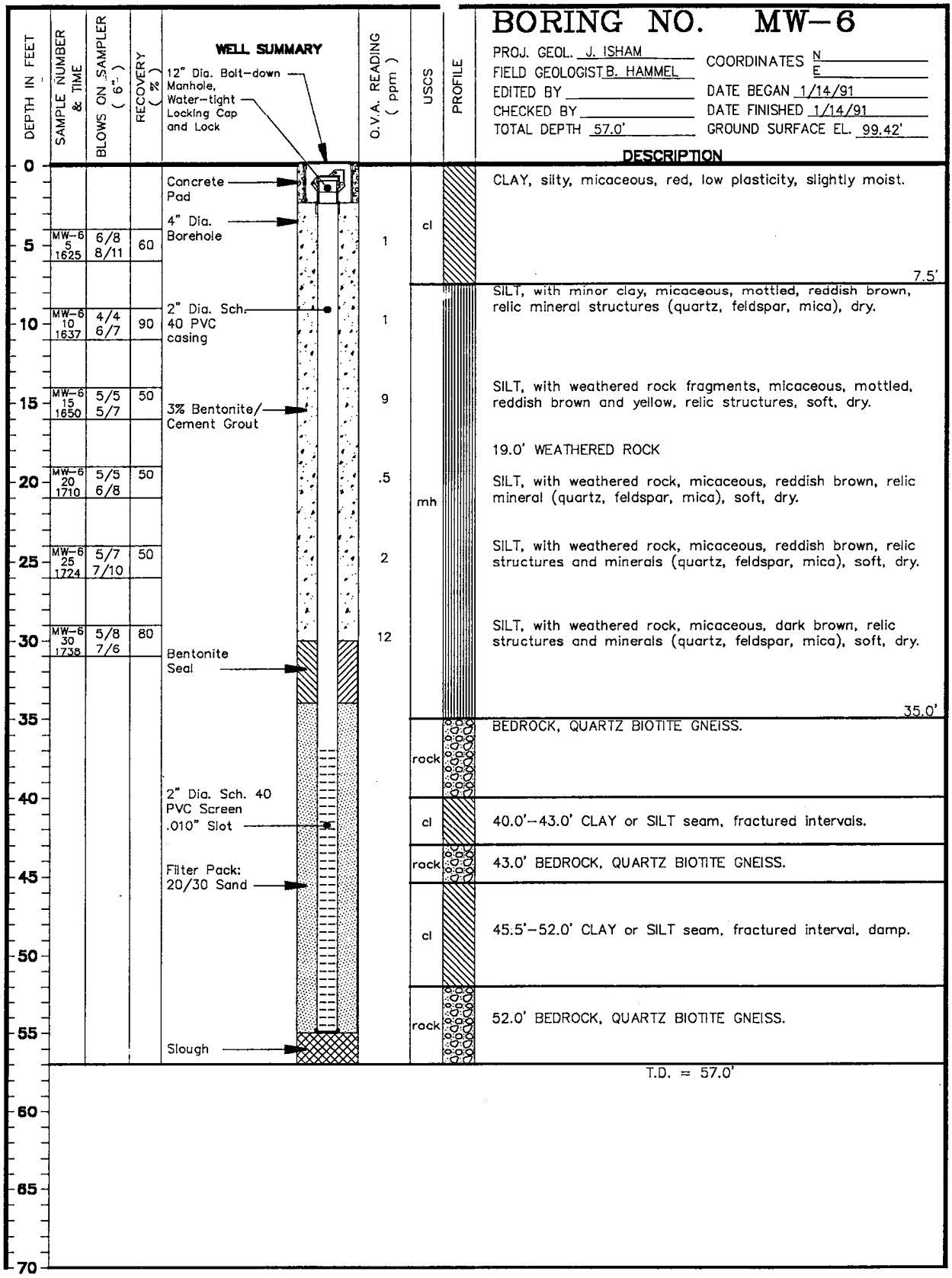
DRILLING CO.: IT ENVIRONMENTAL SERVICES
DRILL METHOD: 2–1/4" I.D. HOLLOW STEM AUGER/AIR ROTARY
3–7/8" BIT, SPEEDSTAR QUIK DRILL 275
DRILLER: MIKE STURDEVANT, S.C. NO.794
PROJECT NO.: 408217.628
CLIENT: TENNECO INC. ENVIRONMENTAL AFFAIRS
LOCATION: FORMER TENNECO STORE NO.62838
800 N.W. FIRST STREET, SENECA, S.C.

SEE LEGEND FOR LOGS AND TEST PITS FOR EXPLANATION OF SYMBOLS AND TERMS

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. MW-6

PROJ. GEOL. J. ISHAM
FIELD GEOLOGIST B. HAMMEL
EDITED BY
CHECKED BY
TOTAL DEPTH 57.0'
COORDINATES N
E
DATE BEGAN 1/14/91
DATE FINISHED 1/14/91
GROUND SURFACE EL. 99.42'



DESCRIPTION

CLAY, silty, micaceous, red, low plasticity, slightly moist.

7.5'

SILT, with minor clay, micaceous, mottled, reddish brown, relic mineral structures (quartz, feldspar, mica), dry.

SILT, with weathered rock fragments, micaceous, mottled, reddish brown and yellow, relic structures, soft, dry.

19.0' WEATHERED ROCK

SILT, with weathered rock, micaceous, reddish brown, relic mineral (quartz, feldspar, mica), soft, dry.

SILT, with weathered rock, micaceous, reddish brown, relic structures and minerals (quartz, feldspar, mica), soft, dry.

SILT, with weathered rock, micaceous, dark brown, relic structures and minerals (quartz, feldspar, mica), soft, dry.

35.0'

BEDROCK, QUARTZ BIOTITE GNEISS.

40.0'-43.0' CLAY or SILT seam, fractured intervals.

43.0' BEDROCK, QUARTZ BIOTITE GNEISS.

45.5'-52.0' CLAY or SILT seam, fractured interval, damp.

52.0' BEDROCK, QUARTZ BIOTITE GNEISS.

T.D. = 57.0'

DRILLING CO.: IT ENVIRONMENTAL SERVICES
DRILL METHOD: 2 1/4" I.D. HOLLOW STEM AUGER/AIR ROTARY
3-7/8" BIT, SPEEDSTAR QUIK DRILL 275
DRILLER: MIKE STURDEVANT, S.C. NO.794
PROJECT NO.: 408217.628
CLIENT: TENNECO INC. ENVIRONMENTAL AFFAIRS
LOCATION: FORMER TENNECO STORE NO.62838
800 N.W. FIRST STREET, SENECA, SC.

SEE LEGEND FOR LOGS AND TEST PITS FOR EXPLANATION OF SYMBOLS AND TERMS

INTERNATIONAL TECHNOLOGY CORPORATION

Page _____ of _____

SPL Environmental Laboratories, Inc.
104 Guilbeau Road
Lafayette, Louisiana 70506
(318) 984-2374

Analysis Request and Chain of Custody Record

Sample submitted by: Brad Hammel

Client/Project Name: Tenneco / Former Tenneco 628838

Company	Address	Contact	Project Location	Project No.
IT Corporation	3710 Landmark Dr. Suite 203 Columbia, SC 29204	Brad Hammel Phone: 803 782-9932	Seneca, SC	408817.628

Field Sample No./ Identification	Date and Time	Grab	Comp	Sample Container (Size/Mat'l)	Sample Type (Liquid, Soil Sludge, Etc.)	Preservative	ANALYSIS REQUESTED TEST	METHOD	REMARKS
									IX-3 4°C
MW-4	12/13/90 1255	X		(2) VOA vials 80 ml	Groundwater	Ice	BTEX	EPA 602	BTEX only! DC # 12-20-40

Samplers: (Signature)	Relinquished by: (Signature)	Date: 12/13/90 Time: 5:30 pm	Received by: (Signature)	Date: Time:	Intact
IT CORP Affiliation	Relinquished by: (Signature)	Date: 12/13/90 Time: 4:35 pm	Received by: (Signature)	Date: Time:	Intact
IT Corporation IT CORP	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Intact
SAMPLER REMARKS:			Received for laboratory: (Signature) Data Results to:	Date: 12-13-90 Time: 1135	Laboratory No.

SPL Environmental Laboratories, Inc.
104 Guilbeau Road
Lafayette, Louisiana 70506
(318) 984-2374

Analysis Request and Chain of Custody Record

Sample submitted by: Brad Hammel

Client/Project Name: Former Tenneco 628838

Company	Address	Contact	Project Location	Project No.
IT Corporation	3710 Landmark Dr. Suite 203 Columbia, SC 29204	Brad Hammel Phone: (803) 782-9932	Seneca, SC	408217.628

Field Sample No./ Identification	Date and Time	Grab	Comp	Sample Container (Size/Mat'l)	Sample Type (Liquid, Soil Sludge, Etc.)	Preservative	ANALYSIS REQUESTED TEST	ANALYSIS REQUESTED METHOD	REMARKS
MW-6/15	1/15/91 1115	✓		(2)× 4oz Jar	Soil	ICE	California DHS (Diesel)		EV, KL 1-25-91
MW-6/30	1/15/91 1120	✓		"	"	"	"		✓
MW-3/85	1/15/91 2130	✓		"	"	"	"		✓
MW-3/30	1/15/91 2130	✓		"	"	"	"		✓
MW-5/10	1/16/91 1120	✓		"	"	"	"		✓

Samplers: (Signature)	Affiliation	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Intact
Bradley S. Hammel	IT Corporation	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Intact
		Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Intact
				Received for laboratory: (Signature)	Date: 1-18-91 Time: 11:00	Laboratory No.
				Data Results to:		

SAMPLER REMARKS:

Seal #

Page ____ of ____

SPL Environmental Laboratories, Inc.
104 Guilbeau Road
Lafayette, Louisiana 70506
(318) 984-2374

Analysis Request and Chain of Custody Record

Sample submitted by: George Schuman / David Asti

Client/Project Name: Former Tenneco 62838

Company	Address	Contact	Project Location	Project No.
IT Corp.	3710 Landmark Dr #203 Columbia, SC 29204	David Asti Phone: (803) 782-9932	Seneca, SC	408217.628

Field Sample No./ Identification	Date and Time	Grab	Comp	Sample Container (Size/Mat'l)	Sample Type (Liquid, Soil Sludge, Etc.)	Preservative	ANALYSIS REQUESTED TEST	METHOD	REMARKS
MW-5	3/11/91 1512	✓		2 x ~~40~~ ml Glass	Water	ice	BTEX	602 8020	MS EC TS
MW-5	3/11/91 1512	✓		1 x 1 l Glass	Water	ice	TAH	610 8100	3-18-91

Samplers: (Signature)	Affiliation	Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Intact
George Schuman	IT Corp.	George Schuman	3/12/91	1845				
R. David Asti	IT Corp.	R. David Asti	3/12/91	1845				

SAMPLER REMARKS:

Seal # 408217.628,634

Received for laboratory: (Signature) — Date: 3/13/91 Time: 9:50 — Laboratory No.

Data Results to: John Isham

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if different)*
NAME FORMER TENNECO #62838
ADDRESS 3710 LANDMARK DR/SUITE 203
COLUMBIA, SC 29204
FACILITY FORMER TENNECO #62838
LOCATION 800 NW First St.
Seneca, South Carolina

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*
(2-16) SC0046141 PERMIT NUMBER
(17-19) 001 DISCHARGE NUMBER

MONITORING PERIOD
FROM YEAR 93 (20-21) MO 01 (22-23) DAY 01 (24-25)
TO YEAR 93 (26-27) MO 01 (28-29) DAY 31 (30-31)

DOCKETING 94T 73 A1

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

12/01/92 FINAL

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) (46-53) AVERAGE	QUANTITY OR LOADING (54-61) MAXIMUM	UNITS	QUALITY OR CONCENTRATION (4 Card Only) (38-45) MINIMUM	QUALITY OR CONCENTRATION (46-53) AVERAGE	QUALITY OR CONCENTRATION (54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
00310 LAB ID: BOD - 5 Day (20 Degrees C)	SAMPLE MEASUREMENT	********	********		********						MLOC=1
	PERMIT REQUIREMENT	********	********		********	10 MTHLY AV	20 DAILY MX	MG/L		02/30	GR
00400 LAB ID: pH Standard Units	SAMPLE MEASUREMENT	********	********			********					MLOC=1
	PERMIT REQUIREMENT	********	********		6.0 MINIMUM	********	8.0 MAXIMUM	SU		02/30	GR
01051 LAB ID: Lead, Total	SAMPLE MEASUREMENT	********	********		********						MLOC=1
	PERMIT REQUIREMENT	********	********		********	REPORT MTHLY AV	0.05 DAILY MX	MG/L		02/30	GR
32103 LAB ID: 1,2 diChloroethane Whole Water	SAMPLE MEASUREMENT	********	********		********						MLOC=1
	PERMIT REQUIREMENT	********	********		********	REPORT MTHLY AV	0.005 DAILY MX	MG/L		02/30	GR
34010 LAB ID: Toluene in H2O Hexadecone Extr.	SAMPLE MEASUREMENT	********	********		********						MLOC=1
	PERMIT REQUIREMENT	********	********		********	0.175 MTHLY AV	0.35 DAILY MX	MG/L		02/30	GR
34030 LAB ID: Benzene in H2O Hexadecone Extr.	SAMPLE MEASUREMENT	********	********		********						MLOC=1
	PERMIT REQUIREMENT	********	********		********	REPORT MTHLY AV	0.005 DAILY MX	MG/L		02/30	GR
34205 LAB ID: Acenaphthene Total Weight	SAMPLE MEASUREMENT	********	********		********						MLOC=1
	PERMIT REQUIREMENT	********	********		********	0.017 MTHLY AV	0.034 DAILY MX	MG/L		02/30	GR

NO DISCHARGE

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Denise Dixon Project Manager ATEC Associates, Inc	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Denise Dixon	404	477-9456	93	02	28
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

No discharge this month

EPA Form 3320-1 (Rev. 9-88) *Previous editions may be used*

Facility Name/Location if different)
NAME FORMER TENNECO #62838
ADDRESS 3710 LANDMARK DR/SUITE 203
COLUMBIA, SC 29204
FACILITY FORMER TENNECO #62838
LOCATION 800 NW First St
Seneca, South Carolina

DISCHARGE MONITORING REPORT (DMR) (2-16) (17-19)

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

PERMIT NUMBER	DISCHARGE NUMBER
SC0046141	001

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	01	01	TO	93	01	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

73 A1 12/01/92 FINAL

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
34371 LAB ID:_____ EthylBenzene Total Weight	SAMPLE MEASUREMENT	******** ********	******** ********		******** ********						MLOC=1
	PERMIT REQUIREMENT	******** ********	******** ********		******** ********	0.320 MTHLY AV	0.640 DAILY MX	MG/L		02/30	GR
34511 LAB ID:_____ 1,1,2 TriCloroethane Total Weight	SAMPLE MEASUREMENT	******** ********	******** ********		******** ********						MLC
	PERMIT REQUIREMENT	******** ********	******** ********		******** ********	REPORT MTHLY AV	0.005 DAILY MX	MG/L		02/30	
34696 LAB ID:_____ Napthalene Total Weight	SAMPLE MEASUREMENT	******** ********	******** ********		******** ********						MLOC=1
	PERMIT REQUIREMENT	******** ********	******** ********		******** ********	0.023 MTHLY AV	0.046 DAILY MX	MG/L		02/30	GR
50050 Flow in Conduit MGD	SAMPLE MEASUREMENT				******** ********	******** ********	******** ********				MLOC=1
	PERMIT REQUIREMENT	REPORT MTHLY AV	REPORT DAILY MX	MGD	******** ********	******** ********	******** ********			02/30	ES
81551 LAB ID:_____ Xylene Whole Water	SAMPLE MEASUREMENT	******** ********	******** ********		******** ********						MLOC=1
	PERMIT REQUIREMENT	******** ********	******** ********		******** ********	0.082 MTHLY AV	0.164 DAILY MX	MG/L		02/30	GR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

DISCHARGE

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Denise Dixon Project Manager ATEC Associates, Inc	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Denise Dixon	AREA CODE 404	NUMBER 427-9456	YEAR 93	MO 02	DAY 28
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

No discharge this month

TOC RETAIL, INC.
2550 NORTH LOOP WEST, SUITE 600
POST OFFICE BOX 922021
HOUSTON, TEXAS 77292
(713) 684-4300

Writer's Direct
Dial Number
684-4308

January 3, 1993

Charles E. Beresford, Esq.
Senior Corporate Counsel
Tenneco, Inc.
1010 Miliam Street
Houston, Texas 77252

Dear Charles:

With your approval this will serve as a memorandum of our understanding concerning remediation of certain sites located in the State of South Carolina. The sites in question are listed on the addendum attached to this letter. TOC Retail, Inc. (TOC) purchased the business being operated at the locations from Tenneco, Inc. (Tenneco) in December of 1988. At this time Tenneco assumed responsibility for environmental remediation of motor vehicle fuel residues that had entered into the surrounding soils prior to the date of sale. Consequently, Tenneco registered as the responsible party with the South Carolina Department of Health and Environmental Control; and Tenneco began remediation activities.

In the intervening period, Tenneco determined that its resources were better applied to projects other than remediation activities. TOC determined that it preferred to control remediation at sites at which it conducted retail operations. Tenneco and TOC therefore agreed that TOC would become the responsible party for conducting remediation at the sites listed on the addendum, and complete the remediation in accordance with applicable laws and regulations.

Tenneco and TOC understand this agreement is not intended to deprive South Carolina of recourse against Tenneco in the event TOC fails to complete the remediation which it has agreed to do; nor is this agreement intended to prevent Tenneco from proceeding against TOC for damages which TOC causes Tenneco by failing to complete the remediation as outlined herein.

If this correctly states our understanding would you kindly signify by signing one copy of this letter and returning it to my attention.

Very truly yours,

H. E. Lambert
Vice President and
Corporate Counsel

Agreed:

Charles E. Beresford for
Tenneco, Inc.

1-15-93
Date

South Carolina

007-38	4701 Augusta Rd.	Greenville
116-38	860 Knox Abbot Dr.	Cayce
167-38	442 Meeting St.	West Columbia
171-38	1801 Poinsett Hwy	Greenville
196-38	400 Sulpher Springs Rd.	Greenville
500-38	2902 Wade Hampton Blvd.	Greenville
502-38	8120 Rivers Ave.	North Charleston
505-38	642 St. Andrews Blvd.	Charleston
507-38	2314 Ashley River Rd.	Charleston
603-38	2990 Sunset Blvd.	West Columbia
612-38	1049 W O Ezell Blvd.	Spartanburg
613-38	7356 Two Notch Rd.	Columbia
618-38	337 Folly Rd.	Charleston
620-38	4497 Devine St.	Columbia
621-38	1003 28 By Pass	Anderson
627-38	508 E. North First St.	Seneca
628-38	800 NW First St.	Seneca
630-38	6008 White Horse Rd.	Greenville
634-38	Highway 176	Inman
635-38	426 Columbia Ave.	Lexington
636-38	Route 2	Marietta
637-38	206 N. Main St.	Mauldin
638-38	780 N. Church St.	Spartanburg
639-38	197 Reidville Rd.	Spartanburg

TOC RETAIL, INC.
2550 NORTH LOOP WEST, SUITE 600
POST OFFICE BOX 922021
HOUSTON, TEXAS 77292
(713) 684-4300

07303-MKB

Writers Direct Number
684-4308

January 19, 1993

RECEIVED
JAN 25 1993
Groundwater Protection Division

Stanley L. Clark, P.C.
Director
Ground-Water Protection Division
Department of Health and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Dear Mr. Clark:

On December 30, 1992 you wrote to D. D. Waters at Tenneco Inc. and J. Jonathan Dow at TOC Retail, Inc. regarding the transfer of remediation responsibilities at certain locations from Tenneco to TOC. The letter has been passed along to my attention, and I have been asked to reply.

I suspect your concerns might be due to our failure to more fully explain the matter. This is not a situation in which the companies are attempting to evade Tenneco's responsibilities under the laws of South Carolina. Rather it is an agreement between Tenneco and TOC whereby TOC will assume the primary responsibility for continued remediation of the locations in question. The situation is more fully explained in the accompanying letter of agreement between Tenneco and TOC. I have also enclosed the notarized statement which you requested.

Please let us know if you should have any questions or if we can be of any further assistance in this matter.

Very truly yours,

H. E. Lambert

H. E. Lambert
Vice President and
Corporate Counsel

UST
DOCKETING
96T

STATE OF TEXAS)
)ss:
COUNTY OF HARRIS)

I, H. E. Lambert, do hereby affirm that I am Vice President and Corporate Counsel of TOC Retail, Inc. (TOC), and I do further affirm that TOC entered into an agreement with Tenneco Inc. (Tenneco) whereby TOC has assumed primary responsibility for remediation of motor vehicle fuel residues at business locations which TOC purchased from Tenneco in the State of South Carolina. TOC agrees to continue said remediation pursuant to plans filed with and approved by governmental authorities, and in compliance with all applicable laws and regulations.

1-19-93
Date

H. E. Lambert

Personally appeared before me on the above stated date, H. E. Lambert, who, being known to me as Vice President and Corporate Counsel, affirmed the foregoing as his true act and deed, voluntarily given on behalf of said corporation.

Sandra Luera
Notary Public

My commission expires 1-23-94.

SANDRA LUERA
MY COMMISSION EXPIRES
January 23, 1994

ATEC Associates, Inc.
1300 Williams Drive
Marietta, Georgia 30066-6299
404/427-9456

LETTER OF TRANSMITTAL

DATE	JOB NO.
2/26/93	00221
ATTENTION	
RE: Jan DMR TOC 628.38 GWPD# 07303	

TO SCDHEC - JAWD
2600 Bull St.
Columbia, SC 29201
Attn: Enforcement Section

GENTLEMEN:

WE ARE SENDING YOU ☐ Attached ☐ Under separate cover via _____ the following items:

☐ Shop Drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications ☐
☐ Copy of letter ☐ Change order ☑ Other DMRs

COPIES	DATE	NO.	DESCRIPTION
2	2/24/93		Jan DMR

THESE ARE TRANSMITTED as checked below:

☑ For approval ☐ Approved as submitted ☐ Resubmit ___ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit ___ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return ___ corrected copies
☐ For reviews and comment ☐ _____
☐ FOR BIDS DUE _____ 19___ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

RECEIVED
MAR 04 1993
Groundwater Protection
Division

UST DOCKET

COPY TO Woody McFarlin
File
Mark Berenbrock, GWPD

SIGNED Dennis Dixon

UST 98T DOCKETING

MONITORING WELL GAUGE REPORT

Location: Seneca, S.C.

Facility Number: Texaco 6-28-38 Job Number: 320787-00221

Date: 3/17/93 Arrival Time: 1:15p Departure Time: 2:00p Signed: Carroll Greene

Well No.	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Volume Product Recov'd (gal)	Product Thickness After Recovery (gal.)	Volume of Water Recovered (gal.)	Remarks
mw-5		30.41					
mw-4		35.90					
mw-3		35.73					
mw-B2		DRY					
mw-6	38.12	38.29	.17	2oz	.03	6.0z	
mw-B1		DRY					

GENERAL COMMENTS:

Rental Equipment:
Oil/water Interface 1
Water level Meter

Disposables (specify units)
Bailers
Other (specify):

Tank Size (Gallons): Remaining Capacity: Total Product Recovered (Gals.):

MONITORING WELL GAUGE REPORT

Location: Seneca, S.C.

Facility Number: Tenneco 628-38 Job Number: 320792-00221

Date: 2/19/93 Arrival Time: 9:00 Departure Time: 9:45 Signed: Carroll Greene

Well No.	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Volume Product Recov'd (gal)	Product Thickness After Recovery (gal.)	Volume of Water Recovered (gal.)	Remarks
mw-5		30.84					
mw-4		36.77					
mw-3		36.48					
mw-B2		DRY					
mw-6	38.71	39.01	.30	8 oz	.10	16 oz	
mw-B1							

GENERAL COMMENTS:

Rental Equipment:
Oil/water Interface 1
Water level Meter

Disposables (specify units)
Bailers
Other (specify):

Tank Size (Gallons): Remaining Capacity: Total Product Recovered (Gals.):

MONITORING WELL GAUGE REPORT

Location: SENECA, S.C.

Facility Number: TENNECO 628-38 Job Number: 320792-00221

Date: 1/15/93 Arrival Time: 10:00 Departure Time: 10:30 Signed: Carroll Greene

Well No.	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Volume Product Recov'd (gal)	Product Thickness After Recovery (gal.)	Volume of Water Recovered (gal.)	Remarks
mw-5		32.35					
mw-4		36.43					
mw-3		37.43					
mw-B2		DRY					
mw-6	39.49	40.42	.93	.75gal	.16	4oz	
mw-B1		DRY					

GENERAL COMMENTS:

Rental Equipment:
Oil/water Interface 1
Water level Meter

Disposables (specify units)
Bailers 1
Other (specify):

Tank Size (Gallons): Remaining Capacity: Total Product Recovered (Gals.):

RECEIVED
MAR 01 1993
Groundwater Protection Division

MONITORING WELL GAUGE REPORT

Location: Seneca, S.C.

Facility Number: Tenneco 628-38 Job Number: 378792-00221

Date: 12/22/92 Arrival Time: 9:15 Departure Time: 9:45 Signed: Carroll Greene

Well No.	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Volume Product Recov'd (gal)	Product Thickness After Recovery (gal.)	Volume of Water Recovered (gal.)	Remarks
mw-5		34.37					
mw-4		36.13					
mw-3		37.89					
mw-B2		DRY					
mw-6	40.13	40.18	.05				Did not bail
mw-B1		DRY					

GENERAL COMMENTS:

Rental Equipment:
Oil/water Interface 1
Water level Meter

Disposables (specify units)
Bailers
Other (specify):

Tank Size (Gallons): Remaining Capacity: Total Product Recovered (Gals.):

MONITORING WELL GAUGE REPORT

Location: Seneca, S.C.

Facility Number: Tenneco 628-38 Job Number: 320792-00221

Date: 12/22/92 Arrival Time: 9:15 Departure Time: 9:45 Signed: Carroll Greene

Well No.	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Volume Product Recov'd (gal)	Product Thickness After Recovery (gal.)	Volume of Water Recovered (gal.)	Remarks
mw-5		34.37					
mw-4		36.13					
mw-3		37.89					
mw-B2		DRY					
mw-6	40.13	40.18	.05				Did not bail
mw-B1		DRY					

GENERAL COMMENTS:

Rental Equipment:
Oil/water Interface 1
Water level Meter

Disposables (specify units)
Bailers
Other (specify):

Tank Size (Gallons): Remaining Capacity: Total Product Recovered (Gals.):

MONITORING WELL GAUGE REPORT

Location: Seneca, S.C.

Facility Number: Tennaco 628-38 Job Number: 320792-0022/

Date: 11/6/92 Arrival Time: 1:00p Departure Time: 1:30p Signed: Carroll Greene

Well No.	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Volume Product Recov'd (gal)	Product Thickness After Recovery (gal.)	Volume of Water Recovered (gal.)	Remarks
mw-5		33.51					
mw-4		36.77					
mw-3		38.34					
mw-B2		DRY					
mw-6	40.52	40.60	.08				DID NOT BAIL
mw-B1		DRY					

GENERAL COMMENTS:

Rental Equipment:
Oil/water Interface _____
Water level Meter 1

Disposables (specify units)
Bailers _____
Other (specify): _____

Tank Size (Gallons): 55 Remaining Capacity: 3/3 Total Product Recovered (Gals.): 0

Cobb #1:mwgauge.rpt

MONITORING WELL GAUGE REPORT

Location: SENECA, S.C.

Facility Number: Tenneco 628-38 Job Number: 320792-00221

Date: 10/15/92 Time: 10:30 AM Signed: CGG

Well No.	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Volume Recov'd (gal)	Remarks
MW-5	—	33.56			
MW-4	—	37.10			
MW-3	—	38.40			
MW-B2	—	DRY			DRY
MW-6	40.72	40.79	.07		NOT BAILED
MW-B1	—	DRY			DRY

GENERAL COMMENTS:

Tank Size (Gallons): Product Bailed: Total Product Recovered (Gals.):

MONITORING WELL GAUGE REPORT

Location: Seneca, South Carolina

Facility Number: Tenneco 628-38 Job Number: 320792-00221

Date: 9/10/92 Time: 9:30 Signed: CGG

Well No.	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Volume Recov'd (gal)	Remarks
MW-5	—	33.60			
MW-4	—	37.55			
MW-3	—	38.64			
MW-B2	—	DRY			
MW-6	40.75	40.82	.08		NOT BAILED
MW-B1	—	DRY			

GENERAL COMMENTS:

Tank Size (Gallons): Product Bailed: Total Product Recovered (Gals.):

MONITORING WELL GAUGE REPORT

Location: Seneca, S.C.

Facility Number: Tenneco 628-38 Job Number: 320792 00221

Date: 8-5-92 Time: 2:30 Signed: CGG

Well No.	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Volume Recov'd (gal)	Remarks
MW-5	-	33.59			
MW-4	-	37.21			
MW-3	-	38.47			
MW-B2	-	DRY			DRY
MW-6	40.62	40.70	.08		DID NOT BAIL
MW-B1	-	DRY			DRY

GENERAL COMMENTS:

Tank Size (Gallons): Product Bailed: Total Product Recovered (Gals.):

MONITORING WELL GAUGE REPORT

Location: Seneca, South Carolina

Facility Number: Tenneco 628-38 Job Number: 320792 00221

Date: 7-17-92 Time: 9:30 Signed: CGG

Well No.	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Volume Recov'd (gal)	Remarks
MW-5	—	33.59			
MW-4	—	37.10			
MW-3	—	38.41			
MW-B2	—	DRY			
MW-6	40.61	40.69	.08		NOT BAILED
MW-B1	—	DRY			

GENERAL COMMENTS:

Tank Size (Gallons): Product Bailed: Total Product Recovered (Gals.):

07303

MONITORING WELL GAUGE REPORT

Location: Seneca South Carolina

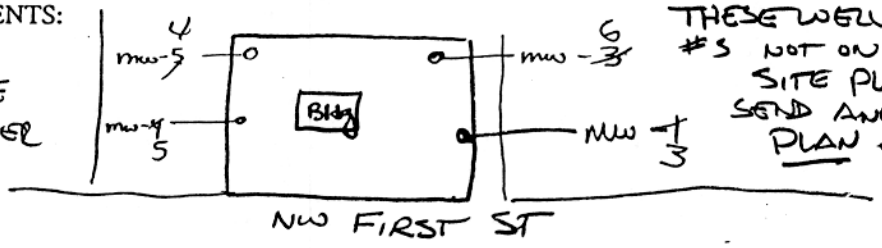
Facility Number: Tenneco 628-38 Job Number: 32-00221

Date: 5/30/92 Time: 11:00 A Signed: MJE

Well No.	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Volume Recov'd (gal)	Remarks
mw-5	—	33.61	—	—	
mw-4	—	37.29	—	—	
mw-6	40.71	40.81	0.09	—	Did not bail
mw-3	—	38.51	—	—	
mw-B2	—	—	—	—	dry
mw-B1	—	—	—	—	dry

GENERAL COMMENTS:

Duke Power



These wells & #5 not on site plan send another plan.

Tank Size (Gallons): Product Bailed: Total Product Recovered (Gals.):

Cobb #1:mwgauge.rpt

All locks cut will replace

received April 21, 1994.

South Carolina
DHEC
Department of Health and Environmental Control
2600 Bull Street, Columbia, SC 29201

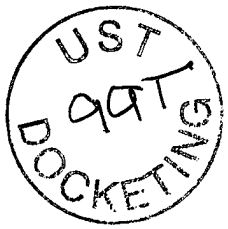
Interim Commissioner: Thomas E. [illegible]

Board: John H. Burriss, Chairman
Richard E. Jabbour, DDS, Vice Chairman
Robert J. Stripling, Jr. Secretary

William E. Applegate, III,
Toney Graham, Jr., MD
Sandra J. Molander
John B. Pate, MD

Promoting Health, Protecting the Environment

May 20, 1993



Mr. Dan D. Waters
Tenneco, Inc.
Environmental Affairs
1395 South Marietta Parkway
Marietta, Georgia 30067

Re: Former Tenneco #62838
800 NW First Street, Seneca, SC, Oconee County
GWPD Site ID #07303
Expanded Assessment Plan (EAP) and Associated Cost Proposal dated August 28, 1992

Dear Mr. Waters:

The referenced submittals have been placed on file by the Ground-Water Protection Division of the South Carolina Department of Health and Environmental Control (SCDHEC). Assessment activities at the site can be initiated immediately upon receipt of this letter. Monitoring well approval for a maximum of seven wells has been issued to your site rehabilitation contractor. A copy of the approval form is enclosed for your records. In accordance with the implementation schedule provided in the EAP, the assessment report shall be submitted on or before December 3,1993. The following comments should be incorporated into the EAP:

1) Containerized wastewater does not need to be sampled to determine disposal methods. The worst case well results can be used for that purpose. Similarly, soil cuttings doe not need to be sampled. The worst case analysis from selected split spoon samples can be used;

2) Development of monitoring wells is included in charges for their installation and should not be billed as a separate cost;

3) Sampling of monitoring wells and preparation of samples is considered a TECHNICIAN level task and should be billed as such.

The associated cost proposal will be kept on file so that direct billing can begin. Any rates and/or other criteria included therein may have been adjusted on the cost proposal to insure compliance with current SUPERB program criteria per Section 44-2-20(2). Please reference CP #0865 on all pertinent invoices and correspondence. A copy of the SCDHEC's cost proposal spreadsheet

recycled paper

that reflects adjustments to items not meeting established criteria is enclosed. **Items in the Cost Proposal not appearing on the enclosed spreadsheet have been deemed inappropriate by the SCDHEC and should not be billed to the SCDHEC.** If additional justification is provided, the SCDHEC may allow those previously deleted items to be paid by direct contractor payment. All invoices will be processed as expeditiously as possible as long as SUPERB funds are available.

A monthly status update form is enclosed. A copy of this form must be completed and submitted with each monthly invoice in accordance with established program criteria. See current SCDHEC guidance documents for additional detail.

As a payee, you must retain all pertinent technical and financial documents related to this site in accordance with Section 44-2-130 of the SUPERB statute. A detailed audit of work performed will be conducted at a later date and will be subject to review under the current criteria. If it is determined that inappropriate payments were made, SCDHEC will seek cost recovery.

All laboratories utilized must be certified in the state of South Carolina for volatile organic analyses in accordance with R.61-81. All monitoring wells and piezometers, whether temporary or permanent, must be installed by or under the **direct** supervision of a S.C. certified well driller as required by Section 40-23-10 of the 1976 SC Code of Laws. All hydrogeological work and submittals that include geological interpretation are required by the S.C. Boards of Registration and by Section 44-2-120 of the SUPERB Act to be supervised/sealed by a S.C. certified Professional Geologist (PG) or Professional Engineer (PE) with training and/or experience in the geological discipline.

The assessment must be: 1) conducted by or under the supervision of appropriately certified SC registered professional(s), 2) conducted by a contractor with the necessary bonding or insurance (unless #1 above is satisfied), 3) conducted in accordance with accepted industry standards, 4) technically justified, 5) completed in a cost effective manner that adequately protects human health and the environment, and 6) conducted in compliance with all SUPERB criteria for direct billing or reimbursement.

The SCDHEC reserves the authority to pay only for work properly performed and/or technically justified. The SCDHEC will only pay rates in accordance with established criteria. Further, the 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. Also, the SCDHEC will seek cost recovery where appropriate. This notice to proceed with the work plan does not, in any way, acknowledge SCDHEC concurrence that all the elements contained therein will be necessary at this site.

If the above criteria are not followed, the SCDHEC reserves the right to initiate one or more of the following actions as appropriate; 1) Refer the contractor to the Boards of Registration for Professional Geologists and Engineers, 2) seek cost recovery in accordance with Section 44-2-50 of the SUPERB Act, and/or 3) prohibit future participation in the SUPERB program by the contractor in accordance with Section 44-2-120 of the SUPERB Act.

On all future correspondence, please reference GWPD Site ID #07303. If you have any questions or comments, feel free to call at (803) 734-4664.

Sincerely,

Mark Berenbrok, Hydrogeologist
UST Corrective Action Section
Ground-Water Protection Division
Bureau of Drinking Water Protection

MKB/mkb
07303.01:TXT

Enclosures: Monitoring Well Approval Form
Status Update Form
Cost Proposal Spreadsheet

cc: F&DM Section
Eddie Clements, Appalachia I District EQC
Denise Dixon, ATEC Corporation

South Carolina
DHEC
Department of Health and Environmental Control
2600 Bull Street, Columbia, SC 29201

Interim Commissioner: Thomas E. [illegible]

Board: John H. Burriss, Chairman
Richard E. Jabbour, DDS, Vice Chairman
Robert J. Stripling, Jr. Secretary

William E. Applegate, III,
Toney Graham, Jr., MD
Sandra J. Molander
John B. Pate, MD

Promoting Health, Protecting the Environment

Monitoring Well Approval

Approval is hereby granted to: ATEC Associates
1300 Williams Drive, Suite A
Marietta, Georgia 30066-6299
Attn: Denise Dixon

RE: Former Tenneco #62838
800 NW First Street, Seneca, SC, Oconee County
GWPD Site ID #07303

for the construction of shallow monitoring wells designated MW-7 through MW-12 and deep well MW-13D in accordance with the construction plans and specifications dated August 28, 1992. These wells will be constructed to the approximate depth of 50 and 75 feet below the surface, respectively, and screened in the uppermost aquifer for the purpose of monitoring for the presence of hydrocarbon contamination.

Conditions: That the latitude and longitude, actual construction details, and all analytical data must be submitted to the Department with the required report. That the detection of any free product or dissolved hydrocarbon constituents be reported to the Department in accordance with R.61-92, Part 280.50(a) of the South Carolina Underground Storage Tank Control Regulations. That the district hydrogeologist (Eddie Clements, 260-5569) must be notified at least 48 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 Department of Health and Environmental Control Regulations R.61-71.

Date of Issue: May 20, 1993

Mark K. Brown for
David G. Baize, Manager
UST State Corrective Action Section
Ground-Water Protection Division
Bureau of Drinking Water Protection

MKB/mkb
05209352.22

cc: Eddie Clements, Appalachia I District EQC

Dan Waters, Tenneco Inc.

recycled paper

MMB

ESCM & Associates, Inc.

Hazardous Materials/Civil
Environmental/Petrochemical
CONSULTING ENGINEERS

P.O. Box 7487
Athens, Georgia 30604
(706) 546-1149
FAX (706) 369-9234

May 18, 1993

Mr. Jim Hess
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Subject:

Former Tenneco 007-38 4701 Augusta Road Greenville, South Carolina	Former Tenneco 171-38 1801 Poinsett Highway Greenville, South Carolina
Former Tenneco 196-38 400 Sulphur Road Greenville, South Carolina	Former Tenneco 500-38 2902 Wade Hampton Blvd Greenville, South Carolina
Former Tenneco 612-38 1049 W.O. Ezell Blvd Spartanburg, South Carolina	Former Tenneco 621-38 1003 28 By-Pass Anderson, South Carolina
Former Tenneco 628-38 800 N.W. First Street Seneca, South Carolina	Former Tenneco 634-38 12110 Asheville Hwy (176) Inman, South Carolina
Former Tenneco 636-38 2931 Greer Hwy (RT 2) Marietta, South Carolina	Former Tenneco 637-38 206 N. Main Street Mauldin, South Carolina
Former Tenneco 638-38 780 North Church Street Spartanburg, South Carolina	Former Tenneco 639-38 197 Reidville Road Spartanburg, South Carolina

RECEIVED
MAY 24 1993
Groundwater Protection
Division

Dear Mr. Hess:

This is to advise that TOC Retail has assigned the above projects to ESCM & Associates. The effective date of this assignment is May 1, 1993. We have agreed with TOC Retail to pursue the assessment and remediation work at these facilities under the SUPERB "Contractor Direct Billing" program.

We understand that these projects were assigned to ATEC Associates, Inc. in May 1992 and that some limited work was performed by them. In order to avoid duplication of costs, we are requesting that copies of any approved cost estimates/proposals submitted by ATEC be forwarded to us. We intend to perform the work as approved. All costs will be within the approved estimates. We will be submitting work plans and cost proposals for sites where approvals have not been completed.

If you have any questions regarding these projects, please call us at (706) 546-1149. We look forward to working with you on these projects.

Sincerely,

Edward A. Shaw, PE
Vice President

DOCKETING 1004

South Carolina
DHEC
Department of Health and Environmental Control
2600 Bull Street, Columbia, SC 29201-1708

Commissioner: Douglas E. Bryant

Board: John H. Burriss, Chairman
William M. Hull, Jr., MD, Vice Chairman
Roger Leaks, Jr., Secretary
Richard E. Jabbour, DDS
Cyndi C. Mosteller
Brian K. Smith
Rodney L. Grandy

Promoting Health, Protecting the Environment

AUG 16 1996

Mr. Brian Cobb
E-Z Serve Conv. Stores, Inc.
PO Box 922021
Houston, TX 77292-2021

Re: E-Z Serve #8628
Site ID #07303
Availability of SUPERB Funding
Oconee County

Dear Mr. Cobb:

Currently, the release reported April 27, 1989, at the referenced site has a priority classification of 3B. Therefore, SUPERB funds are available, or will soon be available, to implement the next necessary scope of work. The scope of work to be implemented is the completion of a Rapid Assessment (RA).

As the Owner or Operator of the Underground Storage Tanks (USTs) for this site, you have two funding options for proceeding with implementation of the scope of work indicated above:

Funding Option 1

You or your contractor can receive direct billing from the fund at the SUPERB allowable costs. If you need assistance in finding a contractor, please let us know and we will provide you with a list of companies for you to contact. If you wish to proceed under this option and you do not require assistance, please inform this office of your selected contractor **within 5 days.** 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.

Funding Option 2

The SCDHEC will directly procure the services of an environmental contractor on your behalf. All activities will be directed and coordinated by SCDHEC and you will be informed of the results. If you wish to use this option, please complete the enclosed Right-Of-Entry form(s). Completed Right-Of-Entry forms are needed from both the underground storage tank and property owners. If you own the underground storage tank but do not own the property, please provide a copy of the appropriate form to the property owner and return the completed forms **within ten days of receipt of this letter.**

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On all correspondence regarding this site, please reference site ID #07303. 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 feel free to call Joanne Cooper, at (803) 734-5331 if you have questions or need additional information.

Sincerely,

Technical Section
Bureau of Underground Storage Tank Management

Joanne B. Cooper

Joanne B. Cooper, Hydrogeologist

David G. Baize, Manager

enc: Rapid Assessment
Assessment Component CP
RA Plan forms
June 14, 1996 SUPERB Allowable Costs
Right-Of-Entry forms

E-Z SERVE
CONVENIENCE STORES, INC.

September 2, 1996

RECEIVED
SEP 0 4 1996
Bureau of Underground
Storage Tank Management

Mr. David G. Baize, Director
South Carolina DHEC
2600 Bull Street
Columbia, South Carolina 29201-1708

RE: Availability of SUPERB Funding

Dear Mr. Baize:

This is in regard to your recent letters regarding Availability of SUPERB Funding for each of the following referenced locations:

E-Z Location	Site ID No.	County
#8361	#06067	Lexington
#8116	#05809	Lexington
#8620	#07624	Richland
#8628	#07303	Oconee RA
#8627	#07304	Oconee
#8612	#08293	Spartanburg
#8639	#10500	Spartanburg
#8634	#10619	Spartanburg

This is to advise that E-Z Serve has contracted with Brown & Root Environmental Services to perform the necessary environmental tasks. The contact is Bill Kelly, Brown & Root Environmental, 455 Fairway Drive, Suite 200, Deerfield Beach, Florida 33441. Bill's telephone no. is (954) 570-5885 and fax no. is (954) 570-5984.

If you have any questions, please feel free to call me.

DOCKETING UST 102

Sincerely,

Brian Cobb, P.E.
Environmental & Construction Manager

BC:eb
Attachments

CORPORATE OFFICE
2550 NORTH LOOP WEST, SUITE 600 • HOUSTON, TEXAS 77092
P.O. BOX 922021 • HOUSTON, TEXAS 77292-2021
(713) 684-4300

South Carolina
DHEC
Department of Health and Environmental Control
2600 Bull Street, Columbia, SC 29201-1708

Commissioner: Douglas E. Bryant

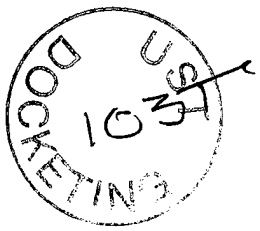
Board: John H. Burriss, Chairman
William M. Hull, Jr., MD, Vice Chairman
Roger Leaks, Jr., Secretary
Richard E. Jabbour, DDS
Cyndi C. Mosteller
Brian K. Smith
Rodney L. Grandy

Promoting Health, Protecting the Environment

DEC 13 1996

Brian Cobb
E-Z Serve
P.O. Box 922021
Houston, TX 77292

Re: E-Z Serve #8628
Site ID #07303; CP #02528
Rapid Assessment Plan and Cost Proposal received 10/11/96
Oconee County



Dear Mr. Cobb:

The Bureau of Underground Storage Tank Management has approved the cost proposal for the implementation of the Rapid Assessment and preparation of an associated report of findings. Cost Proposal #02528 has been approved for **$41,363.20.** Brown & Root Environmental can submit an invoice for direct billing from the SUPERB Account.

The following quantities on the CP have been adjusted (Please see the enclosed CP sheet.):

- The offsite access under miscellaneous was deleted as that task is incorporated in the 15% of the total for Report/Project Management and Coordination.

Site activities can be initiated immediately upon receipt of this letter. Please note that all applicable South Carolina certification requirements apply to the laboratory services, well installation, and report preparation.

A Report of Findings and the invoice is due within 60 days from the date of this letter. Interim invoices may not be submitted for this scope of work. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

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.

On all future correspondence, please reference the site ID and cost proposal number. Questions concerning the above should be addressed to Joanne Cooper at (803) 734-5334.

DHEC/UST/ACAD/O-O/JBC/120296

recycled paper

Sincerely,

Owner/Operator Assistance Section
Assessment and Corrective Action Division
Bureau of Underground Storage Tank Management

Joanne B. Cooper, Hydrologist

Lee A. Monts, Manager

JBC\07303ra.go

enc: Approved Assessment Component Cost Proposal
Assessment Component Invoice
Monitoring Well Approval (copy)

cc: Rick Ofsanko, Brown & Root (w/enc)
Financial File (w/Approved Assessment Component CP)
Technical File
Appalachia I District EQC

DHEC/UST/ACAD/O-O/JBC/120296

Brown & Root *Services*

455 Fairway Drive, Suite 200 / Deerfield Beach, FL 33441 / 954-570-5885 / Fax: 954-570-5974

July 23, 1997

Received
July 25, 1997

Mr. Read Miner, P.G.
Corrective Action Division-Bureau of UST Management
South Carolina DHEC
2600 Bull Street
Columbia, South Carolina 29201-1708

Subject: **E-Z Serve Facility No. 8628 (SCDHEC Site ID #07303).**
800 NW First Street, Oconee County

Dear Mr. Miner:

Brown and Root Environmental (BRE) is currently tasked to complete a Tier II Assessment at the above-referenced facility. To complete the installation of monitoring wells, BRE has requested access to three surrounding properties. BRE requests that, in addition to our correspondence with the property owners, SCDHEC also correspond with the property owners to expedite their cooperation in this matter. Attached are copies of the letters that were sent via FEDEX with confirmed receipt by signature.

BRE has completed the sampling of the four existing monitoring wells. Attached is a copy of the site map depicting the water quality results.

If you have any questions or comments pertaining to this correspondence or the attached documents, please call myself at (954) 570-5885.

Sincerely,
BROWN AND ROOT ENVIRONMENTAL

Rick Ofsanko
South Carolina State Manager

Attachments

cc: Mr. Mark Matranga, BRE

Brown & Root *Services*

455 Fairway Drive, Suite 200 / Deerfield Beach, FL 33441 / 954-570-5885 / Fax: 954-570-5974

June 15, 1997

Mr. Gilbert Montique
209A Lumpkin Street
Seneca, South Carolina 29678

Subject: Installation of Monitoring Well

Dear Mr. Montique:

Brown & Root Environmental (BRE) has been contracted by E-Z Serve Convenience Stores Inc. to perform a routine environmental study, for the E-Z Serve Facility No. 8628 (Red Diamond gasoline distributor), located at 800 W. North First Street in Seneca. This work is required by the South Carolina Department of Health and Environmental Control (SCDHEC). As part of the environmental study, BRE requests permission to install one additional monitoring well on the southern edge of your property along the hedge that separates your property from the gas station property. This well is needed to complete an environmental study, in accordance with SCDHEC guidelines. BRE therefore requests your cooperation in this matter.

BRE would like to install the proposed monitoring well as soon as possible. BRE will make every effort to minimize disturbances to the surroundings during the installation of the well, and will work during non peak hours. The monitoring well will have a 2 inch diameter casing and will be equipped with a locking cap. The well will be placed in an 8 inch diameter manhole, that is flush mounted with the ground surface, within 2 foot by 2 foot concrete pads. The well will be used for a period of approximately 1 to 2 years. BRE will require access to the well periodically for monitoring purposes. A map depicting the proposed locations of the wells and a diagram of the well construction details are included for your reference.

The owner/owners of the property are requested to please sign and return both of the enclosed Access Agreements using the enclosed, addressed, stamped envelope. Your prompt response to this request is greatly appreciated. If you have any questions regarding this request, please contact the undersigned at (954) 570-5885.

Sincerely,
BROWN & ROOT ENVIRONMENTAL

Rick Ofsanko
South Carolina State Manager

cc: Mr. Brian Cobb, E-Z Serve

Brown & Root *Services*

455 Fairway Drive, Suite 200 / Deerfield Beach, FL 33441 / 954-570-5885 / Fax: 954-570-5974

June 15, 1997

Mr. Hoyt Martin
158 Elizabeth Lane
Seneca, South Carolina 29672

Subject: Installation of Monitoring Well

Dear Mr. Martin:

Brown & Root Environmental (BRE) has been contracted by E-Z Serve Convenience Stores Inc. to perform a routine environmental study, for the E-Z Serve Facility No. 8628 (Red Diamond gasoline distributor), located at 800 W. North First Street in Seneca. This work is required by the South Carolina Department of Health and Environmental Control (SCDHEC). As part of the environmental study, BRE requests permission to install one or two additional monitoring wells on the western edge of your property along Lumpkin Street. The wells are needed to complete an environmental study, in accordance with SCDHEC guidelines. BRE therefore requests your cooperation in this matter.

BRE would like to install the proposed monitoring wells as soon as possible. BRE will make every effort to minimize disturbances to the surroundings during the installation of the wells, and will work during non peak hours. The monitoring wells will have a 2 inch diameter casing and will be equipped with a locking cap. The wells will be placed in an 8 inch diameter manhole, that is flush mounted with the ground surface, within 2 foot by 2 foot concrete pads. The wells will be used for a period of approximately 1 to 2 years. BRE will require access to the wells periodically for monitoring purposes. A map depicting the proposed locations of the wells and a diagram of the well construction details are included for your reference.

The owner/owners of the property are requested to please sign and return both of the enclosed Access Agreements using the enclosed, addressed, stamped envelope. Your prompt response to this request is greatly appreciated. If you have any questions regarding this request, please contact the undersigned at (954) 570-5885.

Sincerely,
BROWN & ROOT ENVIRONMENTAL

Rick Ofsanko
South Carolina State Manager

cc: Mr. Brian Cobb, E-Z Serve

Brown & Root *Services*

455 Fairway Drive, Suite 200 / Deerfield Beach, FL 33441 / 954-570-5885 / Fax: 954-570-5974

June 15, 1997

Mr. Lloyd Webb
Webb Heating and Air Conditioning
801 W.N. First Street
Seneca, South Carolina 29678

Subject: Installation of Monitoring Well

Dear Mr. Webb:

Brown & Root Environmental (BRE) has been contracted by E-Z Serve Convenience Stores Inc. to perform a routine environmental study, for the E-Z Serve Facility No. 8628 (Red Diamond gasoline distributor), located at 800 W. North First Street in Seneca. This work is required by the South Carolina Department of Health and Environmental Control (SCDHEC). As part of the environmental study, BRE requests permission to install one or two additional monitoring wells on the northern edge of your property along W. North First Street. The wells are needed to complete an environmental study, in accordance with SCDHEC guidelines. BRE therefore requests your cooperation in this matter.

BRE would like to install the proposed monitoring wells as soon as possible. BRE will make every effort to minimize disturbances to the surroundings during the installation of the wells, and will work during non peak hours. The monitoring wells will have a 2 inch diameter casing and will be equipped with a locking cap. The wells will be placed in an 8 inch diameter manhole, that is flush mounted with the ground surface, within 2 foot by 2 foot concrete pads. The wells will be used for a period of approximately 1 to 2 years. BRE will require access to the wells periodically for monitoring purposes. A map depicting the proposed locations of the wells and a diagram of the well construction details are included for your reference.

The owner/owners of the property are requested to please sign and return both of the enclosed Access Agreements using the enclosed, addressed, stamped envelope. Your prompt response to this request is greatly appreciated. If you have any questions regarding this request, please contact the undersigned at (954) 570-5885.

Sincerely,
BROWN & ROOT ENVIRONMENTAL

Rick Ofsanko
South Carolina State Manager

cc: Mr. Brian Cobb, E-Z Serve

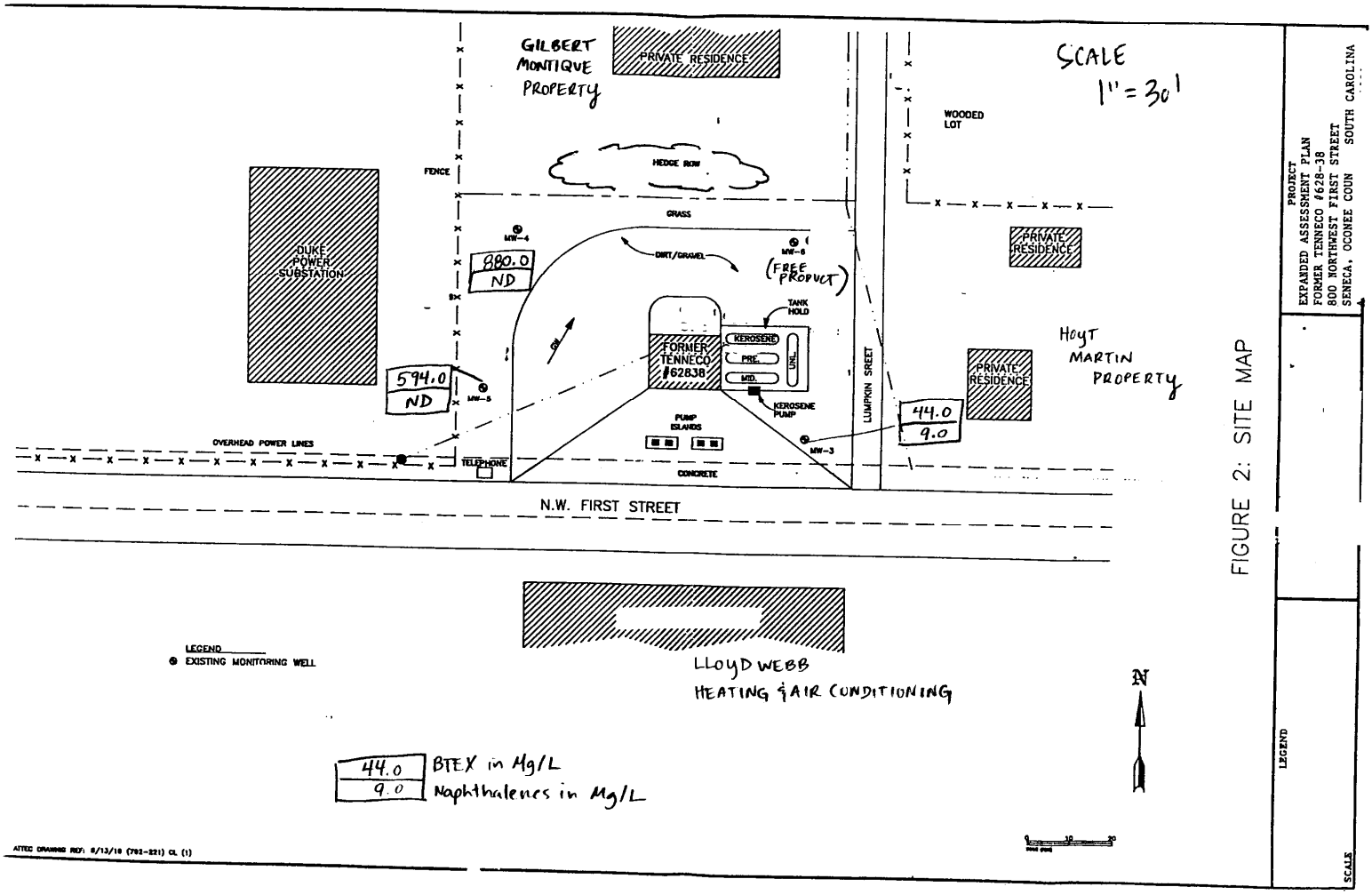


FIGURE 2: SITE MAP

Telephone Log

Re: E-2 Serve 8628 Site # 07303 Date: 7-24-97

Person talked to: Rick Ofsanko - Brown & Root ☐ Incoming ☑ Outgoing
954-520-5885

Rick said that E-2 forwarded copy of 12-13-96 letter to Brown & Root about 2 months ago. Since that time, they have been denied off-site access. Rick will send copies of their correspondence to my attention ASAP for our assistance

Signed Read & Mine

R _ d Group # 169

D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

Report On Records Destroyed
Administrative Services
Records and Forms Management Unit
[UST Program ONLY]

1. Date:	Return this form to:
2/6/97	Administrative Services Records and Forms Management Unit 2600 Bull Street Columbia, SC 29201

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: Patricia Hackney

3. Title: Program Coordinator

Agency Records Officer signature:

4. Record Series Titles	5. Record Series #	6. Inclusive Dates	7. Volume (cubic ft.)	8. Date of Destruction*
Assessment Plan	09344	4-17-90	.007	8-6-97
Copies of NPDES permit	09349	10-23-92	.007	8-6-97
Copy of NPDES permit	09349	5-20-92	.007	8-6-97

* Documents put in recycle box on date of destruction.

9) .021 Total Cubic Feet destroyed

10) Site ID # 07303 Facility Name TOC 8628

Reviewed by Reed Miner

US DOCKETING 1061

D H E C
PROMOTE PROTECT PROSPER
2600 Bull Street
Columbia, SC 29201-1708

FEB 03 1998

E-Z Serve
Attn: Mr. Dan Waters, Jr.
2550 North Loop West, 6th Floor
Houston, Texas 77092

Re: E-Z Serve 8628
Site ID #07303
Oconee County

Dear Mr. Waters:

As you are aware, the Bureau of Underground Storage Tank Management approved a Rapid Assessment for implementation on December 13, 1996. The final report was due February 13, 1997. Per a January 27, 1998, telephone conversation with Rick Ofsanko of Brown and Root Environmental (Tetra Tech/ NUS), the Bureau understands that Brown and Root has not initiated the Rapid Assessment.

Per telephone conversations with personnel from E-Z Serve, Cobb Environmental, Brown and Root Environmental, Environmental Corporation of America, and Steffen, Robertson & Kirsten, the Bureau understands that you have retained Steffen, Robertson & Kirsten, Inc. to continue with the necessary work. Therefore, cost proposal #02528 which was issued to Brown & Root is cancelled.

Please have your new contractor submit a Rapid Assessment Plan and Assessment Component cost proposal to my attention within thirty days of the date of this correspondence.

On all future correspondence, please reference the **Site ID #07303**. Questions concerning the above should be addressed to the attention of Read Miner at (803) 734-5327.

Sincerely,
Owner/Operator Assistance Section
Assessment & Corrective Action Division
Bureau of Underground Storage Tank Management

Read S. Miner, P.G., Hydrologist

Lee A. Monts, Manager

UST
10771
DOCKETING

RSM/rsm
07303PLN.REQ
SCDHEC/UST/012898

cc: Technical/Read File

Steffen, Robertson & Kirsten, Inc. (w/enclosure)
Attn: Thad Munnelyn
1941 Decker Boulevard
Columbia, South Carolina 29206

Andrew Long (w/enclosure)
Environmental Corporation of America
205 South Hoover Street, Suite 101
Tampa, Florida 33609

D H E C

PROMOTE PROTECT PROSPER

2600 Bull Street
Columbia, SC 29201-1708

pom

UNDERGROUND STORAGE TANK (UST) OWNER/OPERATOR LEAD

INFORMATION SHEET

Site ID # See Attachment

07303

1. CONTRACTOR OF CHOICE

As the UST Owner/Operator of Site #, I would like to use the contractor or person(s)* listed below and request that they represent me for: (check one) ☐ <specify>IGWA, SLA, or RA

☒ all future assessments scopes. **

RECEIVED
FEB 2 6 1998
Bureau of Underground Storage Tank Management

Name of Contractor/Person(s) Steffen Robertson & Kirsten (U.S.), Inc.

Address 1941 Decker Blvd.

Columbia, South Carolina 29206

Telephone Number (803) 790 - 0602

Note: After September 20, 1997, rehabilitation activities must be performed by a SC Certified Site Rehabilitation Contractor.

*indicate if the person listed is your own employee

** if you would like the contractor to perform all future assessent activities at this and/or other UST sites that have confirmed releases, please provide a list of all sites on your letterhead and provide the information requested in items 2 and 3 below within the context of the letter.

2. FINANCIAL OR FAMILIAL RELATIONSHIP

Does a financial or familial relationship, as defined below, exist between you and the contractor/person that you listed above? ____ Yes __X__ No **(please initial)** DWW X

Financial Relationship: A connection or association through a material interest of sources of income which exceed five percent of annual gross income from a business entity.

Familial Relationship: A connection or association by family or relatives, in which a family member or relative has a material interest. Family or relatives include: father, mother, son, daughter, brother, sister, uncle, aunt, first cousin, nephew, niece, husband, wife, father-in-law, mother-in-law, son-in-law, daughter-in-law, stepfather, stepmother, stepson, stepdaughter, stepbrother, stepsister, half brother, half sister, grandparent, grandchild, great grandchild, step grandparent, step great grandparent, step grandchild, step great grandchild, or fiancee.

3. PAYMENT

You can pay the contractor and, upon the submittal of the cancelled check (or a notarized statement from the contractor), be compensated from the SUPERB Account, or have payment issued directly from us to the contractor.

I request that payment be made to me after I have paid the contractor. ____ Yes __X__ No DWW (please initial)

I request that payment be made directly to the contractor. __X__ Yes ____ No DWW (please initial)

Note: All costs must receive prior financial approval from the Department regardless of payment option.

Underground Storage Tank Owner/Operator Signature _____ DAN Waters Jr.

Date 2/9/98

UST DOCKETING 1050

Attachment for Underground Storage Tank Owner/Operator Lead Information Sheet

PERMIT	FACILITY
P-10-NO-10504	E-Z SERVE #8385
N-02-NM-00148	E-Z SERVE #8606
N-46-NM-09268	E-Z SERVE #8615
N-42-NM-08290	RED DIAMOND STATION #638
P-42-NM-10656	E-Z SERVE #8631
N-16-NO-02752	E-Z SERVE #8386
P-42-NM-10500	E-Z SERVE #8639
P-42-NM-10619	E-Z SERVE #8634
N-42-NM-08293	E-Z SERVE #8612
N-04-NM-00560	E-Z SERVE #8621
N-10-NM-01419	E-Z SERVE #8618
P-10-NO-10912	E-Z SERVE #8507
P-10-NM-10360	E-Z SERVE #8505
P-10-NM-10287	E-Z SERVE #8502
N-10-NO-01694	E-Z SERVE #8455
N-23-NM-04091	E-Z SERVE #8007
N-10-NO-01491	E-Z SERVE #8383
N-23-NO-03766	E-Z SERVE #8636
N-10-NO-01463	E-Z SERVE #8382
N-08-NO-01197	E-Z SERVE #8381
P-10-NO-10505	E-Z SERVE #8428

PERMIT	FACILITY
N-23-NM-04089	E-Z SERVE #8196
P-23-NM-10499	E-Z SERVE #8630
P-23-NM-10502	E-Z SERVE #8637
N-37-NO-07304	E-Z SERVE #8627
N-37-NO-07303	E-Z SERVE #8628
N-23-NM-04088	E-Z SERVE #8500
N-32-NN-05809	E-Z SERVE #8116
N-32-NM-05810	E-Z SERVE #8167
N-32-NO-06067	E-Z SERVE #8361
N-32-NM-05812	E-Z SERVE #8603
N-32-NM-05811	E-Z SERVE #8635
N-40-NM-07624	E-Z SERVE #620-38
N-40-NO-07672	E-Z SERVE #8360

Underground Storage Tank Owner/Operator Signature

Date 2/9/98

RECEIVED

FEB 2 0 1998

Bureau of Underground Storage Tank Management

D H E C
PROMOTE PROTECT PROSPER
2600 Bull Street
Columbia, SC 29201-1708

MAR 26 1998

E-Z Serve
Attn: Mr. Dan Waters, Jr.
2550 North Loop West, 6th Floor
Houston, Texas 77092

Re: E-Z Serve 8628
Site ID #07303
Rapid Assessment Plan received March 3, 1998
Cost Proposal received March 19, 1998
Oconee County

Dear Mr. Waters:

The Division of Underground Storage Tank Management has reviewed and approved the referenced submittals.

Site activities can be initiated immediately upon receipt of this letter. Compliance with all well driller, laboratory, and professional certifications must be maintained. All rehabilitation activities associated with a UST release must be performed by a SCDHEC certified site rehabilitation contractor as required by R.61-98.

The Bureau grants preapproval for transportation of virgin petroleum contaminated soil and ground water from the referenced site to a permitted treatment facility. The contaminated soil or ground water 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.

It is imperative that the extent of chemicals of concern in both soil and ground water be totally defined during implementation of the Rapid Assessment. If necessary, the Department can amend the cost proposal and extend the report due date.

SCDHEC/UST/032398

UST
1091
DOCKETING

Cost proposal #04596 has been approved for this scope of work in the amount of $65,965.15. Please see the enclosed Assessment Component Cost Proposal for a detailed breakdown of the revised work scope.

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 components need to be added to the work scope, these components and the associated rates must be approved by the Department prior to initiation.

The report and associated invoice should be submitted within 90 days from the date of this correspondence. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

On all future correspondence, please reference the **Site ID #07303**. Questions concerning the above should be addressed to the attention of Read Miner at (803) 734-5327.

Sincerely,
Owner/Operator Assistance Section
Assessment & Corrective Action Branch
Division of Underground Storage Tank Management

Read S. Miner, P.G., Hydrologist

Lee A. Monts, Manager

07303PLN.APP

enc: Approved Assessment Component Cost Proposal
Monitoring Well Approval

cc: Technical/Read File (w/enclosures)

Financial File (w/Approved Assessment Component Cost Proposal)

Blake Burgess (w/enclosures)
SRK, Inc., 1941 Decker Boulevard, Columbia, South Carolina 29206

SCDHEC/UST/rsm/032398

D H E C
PROMOTE PROTECT PROSPER

2600 Bull Street
Columbia, SC 29201-1708

Monitoring Well Installation Approval Form

Date of Issue: March 23, 1998

Approval No.: 9346

Approval is hereby granted to: SRK, Inc.
(On behalf of): E-Z Serve
Site ID #: 07303
County: Oconee

This approval is for the construction of 13 permanent and 12 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 Read Miner at (803) 734-5327 or minerrs@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: Read S Miner

Read S. Miner, P.G., Hydrologist
Owner/Operator Assistance Section
Division of UST Management

cc: Appalachia I 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 E-Z Serve 8628
Site ID # 07303 CP# 04596

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 6, 9	2		x	$500.00	$ $1,000.00
B. Personnel 6, 9, 10, 12, 16, 17	6		x	$250.00	$ $1,500.00
5. Soil Borings (hand auger)*	20	feet	x	$11.00	$ $220.00
6. Soil Borings (drilled)	(includes collection and quantification)				
and Field Screening*	500	feet	x	$17.00	$ $8,500.00
7. Soil Leachability Model	1		x	$200.00	$ $200.00
8. Abandonment*	500	feet	x	$4.00	$ $2,000.00
9. Well Installation*	(includes drilling costs)				
A. Water Table (hand auger)		feet	x	$17.00	$ $0.00
B. Water Table (drilled)	400	feet	x	$35.00	$ $14,000.00
C. Telescoping	70	feet	x	$55.00	$ $3,850.00
D. Rock Drilling	200	feet	x	$55.00	$ $11,000.00
10. Ground-water sample collection*	17	samples	x	$55.00	$ $935.00
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	17	samples	x	$135.00	$ $2,295.00
C. PAH's	17	samples	x	$120.00	$ $2,040.00
D. Lead	17	samples	x	$20.00	$ $340.00
E. EDB	17	samples	x	$55.00	$ $935.00
F. 8 RCRA Metals		samples	x	$140.00	$ $0.00
G. TPH (9070)		samples	x	$55.00	$ $0.00
H. pH		samples	x	$10.00	$ $0.00
I. BOD		samples	x	$40.00	$ $0.00
J. Nitrate	17	samples	x	$20.00	$ $340.00
K. Sulfate	17	samples	x	$20.00	$ $340.00
L. Ferrous Iron	17	samples	x	$20.00	$ $340.00

Continue on back of page

ASSESSMENT COMPONENT COST PROPOSAL					
11. Analyses-Soil					
M. BTEX + Napth.	8	samples	x	$100.00	$ $800.00
N. PAH's	8	samples	x	$120.00	$ $960.00
O. 8 RCRA Metals		samples	x	$150.00	$ $0.00
P. TPH (9071)		samples	x	$60.00	$ $0.00
Q. TPH (3550)	2	samples	x	$65.00	$ $130.00
R. Grain size / hydrometer	2	samples	x	$63.00	$ $126.00
S. Total Organic Carbon	2	samples	x	$35.00	$ $70.00
12. Aquifer Characterization*					
A. Pumping Test		hours	x	$120.00	$ $0.00
B. Slug test	4	tests	x	$150.00	$ $600.00
13. Free Product Recovery Rate Test*		tests	x	$120.00	$ $0.00
14. Fate/Transport Modeling					
A. Mathematical Model	1	models	x	$300.00	$ $300.00
B. Computer Model	2	models	x	$500.00	$ $1,000.00
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	2	drums	x	$90.00	$ $180.00
2. Pumping test		gallons	x	$0.60	$ $0.00
B. Free Product		drums	x	$110.00	$ $0.00
C. Soil (Treatment/Disposal)		tons	x	$50.00	$ $0.00
	20	drums	x	$50.00	$ $1,000.00
18. Miscellaneous* (receipts required)					
			x		$ $0.00
			x		$ $0.00
			x		$ $0.00
			x		$ $0.00
19. Report/Project Management				(SUBTOTAL)	$0.00
and Coordination	0.15		x	$57,361.00	$ $8,604.15
20. Total					$ $65,965.15

NEWACCP97-98/05/19/97)

*The appropriate mobilization cost can be added to complete these tasks, as necessary.

790-0602

RECEIVED
JUL 16 1998
DIVISION OF UNDERGROUND STORAGE TANK MGMT.

Duke Electric Transmission
A Duke Energy Company
425 Fairforest Way
Greenville, SC 29607

6 July, 1998

Post-it® Fax Note 7671	Date 7/16	# of pages ▶ 3
To Scott McGinnis	From Thad Munnerlyn	
Co./Dept. SCDHEC	Co. SRK	
Phone #	Phone # 790-0602	
Fax # 734-3604	Fax #	

Mr. Dan Waters, Jr., President
E-Z Serve, Inc.
2550 North Loop West, 6th Floor
Houston, TX 77092

Re: E-Z Serve Underground Storage Tank Release
Request for Entry

Dear Mr. Waters:

Steffen, Robertson and Kirsten ("SRK") has requested permission, on your behalf, to enter upon a tract of land owned in fee by Duke Power Company for the purpose of conducting environmental testing related to a release of petroleum from an underground storage tank at a E-Z Serve station at North 1st Street, Seneca, South Carolina. The Duke property is the Seneca Tie Station located near the E-Z Serve station at North 1st Street, Seneca, South Carolina.

SRK, acting as agent for E-Z Serve, Inc., may enter onto the Duke property to take ground water samples solely for the purpose of determining the presence and extent of petroleum hydrocarbon contamination in the groundwater. All testing shall be done outside of Duke Power Company's substation fence. The scope of the authority granted SRK herein is strictly limited to the activities specifically stated herein and is conditioned upon compliance with the terms hereof.

Scott
07303

SRK is authorized to place up to two monitoring wells conforming to the requirements of the South Carolina laws and regulations. Each well shall be covered with a flush mounted manhole and bolt-down load-bearing cover. Each well shall be properly plugged and abandoned at the end of the investigation, to be not later than three years from the above date, and Duke Power Company will be notified at the time of abandonment. All disturbed property shall be restored to original site conditions. All sample analytical results and related information will be shared with Duke Power Company.

SRK is also authorized to drill these monitoring wells on Duke Power property, provided the sample analytical results and related information are shared with Duke Power, and any disturbed property is restored to original site conditions.

UST DOCKETING

It is Duke Power's policy to not allow wells inside the substation fence. However, we understand your particular concern here to identify the contaminant plume. Therefore, this agreement authorizes installation of these wells provided, however, that a Duke Power representative is present during the installation of these wells and that all Duke Safety Procedures are followed and that no raised metallic machinery can fall into an energized conductor (well must be located back significantly from the energized conductors to avoid possible contact) and that all drilling machinery be electrically grounded to the substation ground mat. An enclosed station drawing will show the approximate location of the two wells.. Substations contain high voltage electrical equipment and overhead lines which are a hazard if proper precautions are not taken while working near them. Thus, this authorization is conditioned on SRK having only employees knowledgeable of proper electrical safety precautions on site and having our representative present and on complying with his directions, including his direction to stop work if he deems it necessary to avoid injury or property damage to Duke equipment. The Duke Power representative in this case will be James V. Sexton or his designee. Mr. Sexton works in our Electric Transmission Department in Clemson. Mr. Sexton's phone number is 864/653-2166.

At this time, this authorization is limited to installation of monitoring wells and operation of the wells for sampling purposes only. Because access to the area within the fenced substation is restricted, you will have to make arrangement to have a Duke representative present each time samples are collected from any well within the substation fence. We are not authorizing the use of any well as a recovery well. A recovery well can require additional equipment, and it is not clear whether that equipment would be compatible with our operations at the substation, or whether it might interfere with our access to our equipment. Should you need to operate any well as a recovery well, you will need to work out additional arrangements with Duke Power.

E-Z Serve, Inc. will pay the cost of the person used to oversee the installation of these wells. This will typically take 2 days per well or 4 days (40 hours) for the installation.

E-Z Serve, Inc. will indemnify and hold harmless Duke Power Company from and against any liability, loss, cost or expense resulting from (1) any environmental contamination migrating from the E-Z Serve property, and (2) any activity on or upon the Duke property by E-Z Serve, Inc. or SRK, or their agents or contractors under the authority hereof. In that regard, you acknowledge that the Duke property houses high-voltage power lines and equipment that may present patent and latent dangers and that you will cause SRK to act hereunder in compliance with applicable health, safety, environmental and other laws and regulations (and any safety requests Duke Power Company may make). Duke Power Company reserves the right to terminate the authority granted hereunder for any reason upon not less than 30 days advance notice.

By signing and returning this letter, you agree to the terms above and are authorized to proceed immediately as set forth above. Should you have any questions, please call.

Very truly yours,

Clarence J. Petty, Jr. P.E.
Electric Transmission

E-Z Serve, Inc. hereby agree to the terms above:

_____ Date: _____
Signature

_____
Name

_____
Title

Copy to:

Mr. Brian Cobb
Cobb Environmental
779 B Hollyhill
Tupelo, MS 38801

Jeremy Grant
SRK
Columbia, SC

D H E C
PROMOTE PROTECT PROSPER
2600 Bull Street
Columbia, SC 29201-1708

September 9, 1998

Mr. Waylan P. Nicholson
Resident Maintenance Engineer
South Carolina Department of Transportation (SCDOT) Westminster Maintenance Facility
P.O. Box 38
Westminster, SC 29675

Re: Application for Encroachment Permit received September 4, 1998
E-Z Serve #8628
Facility ID #07303
Oconee County

Dear Mr. Nicholson:

The South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed the referenced Application for Encroachment Permit submitted by NESCO on behalf of E-Z Serve Convenience Stores, Inc. The application requests permission to install three permanent monitoring wells in the right-of-way of SC-28 (North 1st Street) in Seneca, SC.

The SCDHEC considers the proposed location of the monitoring wells within the right-of-way as necessary and appropriate to assess the severity and extent of ground-water contamination at the E-Z Serve #8628 facility. This assessment is in the public interest of protecting the ground-water supply of the State of South Carolina. The Department, therefore, respectfully requests that the SCDOT approve the application as submitted. Should you require additional information regarding this facility, feel free to contact me at (803) 734-5432.

Sincerely,

Joel P. Padgett, P.G.
SCDOT Liaison

JPP/jpp
07303.OFF

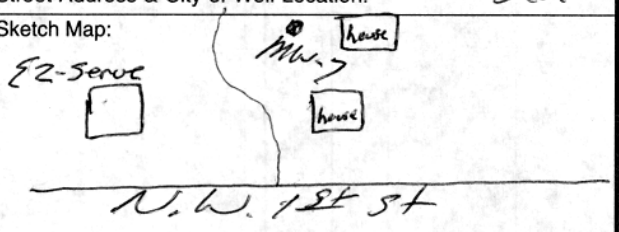
DHEC/JPP/090998

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 734-5300

DHEC — PROMOTE PROTECT PROSPER

1. LOCATION OF WELL:
County: OCONEE
System Name:
Latitude: Longitude:
Distance and Direction from Road Intersections:
800 N.W. 1st St. Seneca S.C.
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
Brn fn sd clay	45	45
Brn sd	10	55

*Indicate Water Bearing Zones
(Use a 2nd sheet if needed)

3. REMARKS: MW-7
Bentonite Seal 38-40'

RECEIVED
OCT 01 1998
Groundwater Management Section

USTR DOCKETING

4. OWNER OF WELL: EZ Serve # 8628
Address: 800 North West 1st St. Seneca, SC
Telephone No.:

Engineer: Nesco
Address: 1941 Decker Blvd Columbia, SC 29206
Telephone No.: (803) 790-0602

5. WELL DEPTH (completed) 52 ft. Date Started:
Date Completed: 8-25-98

6. ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug
☐ Air Rotary ☐ Driven ☐ Cable tool ☒ Other HSA

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
0 in. to 42 ft. depth
in. to ft. depth
Height: Above/Below Surface 0 ft.
Weight Sch 40 lb./ft.
Drive Shoe? ☐ Yes ☒ No

9. SCREEN
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10'
Set Between: 42 ft. and 52 ft.
ft. and ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

10. STATIC WATER LEVEL
45 ft. below land surface after 24 hours

11. PUMPING LEVEL Below Land Surface.
N/A ft. after hrs. Pumping G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield:

12. WATER QUALITY
N/A Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

13. ARTIFICIAL FILTER (gravel pack) ☒ Yes ☐ No
Installed from 40 ft. to 52 ft.
Effective size 20/30 Uniformity Coefficient Silica snd

14. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Sand Cement ☐ Concrete ☐ Other
Depth: From 0 ft. to 38 ft.

15. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction
N/A Type well disinfected ☐ Yes Type:
upon completion ☐ No Amount:

16. PUMP: Date installed: ☐ Not installed
Mfr. Name: Model No.:
N/A 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: ECS Inc Date: 8-27-98
Address: PO Box 203 Matthews NC 28106
Signed: Authorized Representative Cert. No.: 1358

DHEC 1903 (10/96) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

Water Well Record
Bureau of Water

D H E C — PROMOTE PROTECT PROSPER

2600 Bull Street, Columbia, SC 29201-1708; (803) 734-5300

1. LOCATION OF WELL:

County: OCONEE System Name:

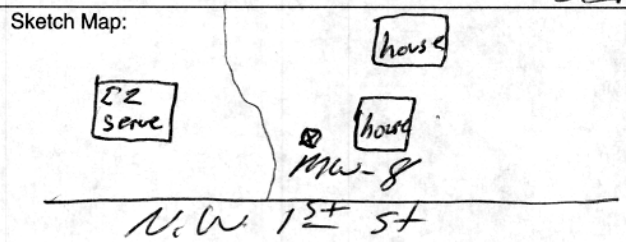
Latitude: Longitude:

Distance and Direction from Road Intersections:

800 N.W. 1st Street Seneca S.C.

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
Brn tn si cly	40	40
Brn si	10	50

*Indicate Water Bearing Zones

(Use a 2nd sheet if needed)

3. REMARKS: MW-8

Bentonite Seal 31-33'

4. OWNER OF WELL: EZ Serve #8628

Address: 800 North West 1st St. Seneca, SC

Telephone No.:

Engineer: NESCO

Address: 1941 Decker Blvd Columbia, SC 29206

Telephone No.: (803) 790-0602

5. WELL DEPTH (completed) 45 ft. Date Started:

Date Completed: 8-26-98

6. ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☒ Other HSA

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

0 in. to 35 ft. depth

____ in. to ____ ft. depth

Height: Above/Below Surface 0 ft.

Weight Sch 40 lb./ft.

Drive Shoe? ☐ Yes ☒ No

9. SCREEN

Type: PVC Diam.: 2"

Slot/Gauge: .010 Length: 10'

Set Between: 35 ft. and 45 ft. **NOTE: MULTIPLE SCREENS USE SECOND SHEET**

____ ft. and ____ ft.

Sieve Analysis ☐ Yes (please enclose) ☒ No

10. STATIC WATER LEVEL

38' ft. below land surface after 24 hours

11. PUMPING LEVEL Below Land Surface.

N/A 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. N/A

13. ARTIFICIAL FILTER (gravel pack) ☒ Yes ☐ No

Installed from 33 ft. to 45 ft.

Effective size 20/30 Uniformity Coefficient Silica sand

14. WELL GROUTED? ☒ Yes ☐ No

☒ Neat Cement ☐ Sand Cement ☐ Concrete ☐ Other

Depth: From 0 ft. to 31 ft.

15. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction

N/A 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 N/A

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: ECS Inc Date: 8-22-98

Address: PO Box 203 Matthews NC 28106

Signed: [signature] Cert. No. 1358

Authorized Representative

RECEIVED
OCT 01 1998
Groundwater Management Section

DHEC 1903 (10/96) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

NATIONAL
ENVIRONMENTAL
SERVICE COMPANY

October 6, 1998

NESCO
For Practical Solutions.

Mr. and Mrs. James Queen
211 Lumpkin Street
Seneca, South Carolina 29678

Re: ***SITE ACCESS TO INSTALL FOUR MONITOR WELLS TO COLLECT WATER SAMPLES***

1941 Decker Boulevard
Columbia, South Carolina 29206
803-790-0602

Dear Mr. and Mrs. Queen,

Fax 803-790-0699

NESCO is currently conducting an environmental assessment at the E-Z Serve #8628 facility located at the intersection of West North First Street and Lumpkin Street in Seneca, S.C.. The assessment activities are being conducted under the direction of the South Carolina Department of Health and Environmental Control (SCDHEC). It is our understanding that you are the owner of a property north of E-Z Serve #8628. In order to complete the assessment, NESCO, in conjunction with the SCDHEC, has determined that it will be necessary to install four groundwater monitor wells on your property. On behalf of SCDHEC and E-Z Serve, NESCO is requesting permission to install up to four monitor wells to collect water samples on your property. The purpose of these wells will be to help delineate the extent of groundwater impact so that the best option for site cleanup can be determined, if needed.

The monitoring wells will each consist of one 8.5 inch wide hole each drilled to a depth of 45 to 55 feet. Water will be sampled from the well and you will be provided with a copy of the results of the analysis. The completed well head will consist of a small, flush mounted manhole cover set within a two foot concrete pad.

Attached is a site access agreement. By signing this letter of acceptance, you will be authorizing NESCO to perform the scope of work outlined above. I have enclosed a self-addressed stamped envelope for you to return the authorization. **You will not incur any costs for any of this work**. The assessment will be funded entirely by SCDHEC.

Please call me at (803) 790-0602 if you have any questions about the site access authorization or about the process of installing the monitoring well. We will take utmost care not disturb the property and we appreciate your time and attention in this matter. Your cooperation will help assess the area as quickly and accurately as possible.

SITE ACCESS AGREEMENT

E-Z Serve and its consultant, NESCO. is hereby granted permission to install one permanent monitor well for the purposes of taking water samples at the property north of E-Z Serve #8628 in Seneca, South Carolina. This well will be installed as per SCDHEC standards and regulations. The work will be subject to the following conditions:

1. Access to the site shall be limited to employees of E-Z Serve, NESCO personnel and its subcontractors.

2. Prior notification of field activities will be provided 24 hours before work begins (Please include a telephone number where you can be contacted).

3. Access to the property shall be limited to as much of the surrounding property as required to install the monitor well.

4. Any waste water and soil generated during the field activities will be removed off-site upon completion of field activities.

5. E-Z Serve and NESCO agree to indemnify, defend, and hold harmless the property owner from any loss or liability, financial or otherwise, resulting from any claim, demand suit, action, or cause of action alleging bodily injury, death and/or property damage in any way arising out of, either directly or indirectly, the installation of the monitor well on the above described property.

Sincerely,

Jeremy Grant

NESCO

Jeremy Grant

AUTHORIZATION:

_____

Signature

_____

Witness

_____

Name (Print)

NATIONAL
ENVIRONMENTAL
SERVICE COMPANY

fac 07303

October 6, 1998

NESCO
For Practical Solutions.

Mr. and Mrs. James Montague
227 Newton Rd.
Seneca, South Carolina 29678

Re: ***SITE ACCESS TO INSTALL TWO MONITOR WELLS TO COLLECT WATER SAMPLES***

1941 Decker Boulevard
Columbia, South Carolina 29206
803-790-0602

Fax 803-790-0699

Dear Mr. and Mrs. Montague,

National Environmental Service Company (NESCO) is currently conducting an environmental assessment at the E-Z Serve #8628 facility located at the intersection of West North First Street and Lumpkin Street in Seneca, S.C.. The assessment activities are being conducted under the direction of the South Carolina Department of Health and Environmental Control (SCDHEC). It is our understanding that you are the owner of the property adjacent to (North) E-Z Serve #8628. In order to complete the assessment, NESCO, in conjunction with the SCDHEC, has determined that it will be necessary to install up to two groundwater monitor wells on your property. On behalf of SCDHEC and E-Z Serve, NESCO. is requesting permission to install two monitor wells to collect water samples on your property. The purpose of this well will be to help delineate the extent of groundwater impact so that the best option for site cleanup can be determined, if needed.

The monitoring wells will each consist of one 8.5 inch wide hole each drilled to a depth of 40 feet. Water will be sampled from the well and you will be provided with a copy of the results of the analysis. The completed well head will consist of a small, flush mounted manhole cover set within a two foot concrete pad.

Attached is a site access agreement. By signing this letter of acceptance, you will be authorizing NESCO to perform the scope of work outlined above. I have enclosed a self-addressed stamped envelope for you to return the authorization. **You will not incur any costs for any of this work.** The assessment will be funded entirely by SCDHEC.

Please call me at (803) 790-0602 if you have any questions about the site access authorization or about the process of installing the monitoring well. We will take utmost care not disturb the property and we appreciate your time and attention in this matter. Your cooperation will help assess the area as quickly and accurately as possible.

SITE ACCESS AGREEMENT

E-Z Serve and its consultant, NESCO is hereby granted permission to install one permanent monitor well for the purposes of taking water samples at the property adjacent to (North) E-Z Serve #8628 in Seneca, South Carolina. This well will be installed as per SCDHEC standards and regulations. The work will be subject to the following conditions:

1. Access to the site shall be limited to employees of E-Z Serve, NESCO personnel and its subcontractors.

2. Prior notification of field activities will be provided 24 hours before work begins (Please include a telephone number where you can be contacted).

3. Access to the property shall be limited to as much of the surrounding property as required to install the monitor well.

4. Any waste water and soil generated during the field activities will be removed off-site upon completion of field activities.

5. E-Z Serve and NESCO agree to indemnify, defend, and hold harmless the property owner from any loss or liability, financial or otherwise, resulting from any claim, demand suit, action, or cause of action alleging bodily injury, death and/or property damage in any way arising out of, either directly or indirectly, the installation of the monitor well on the above described property.

Sincerely,

Jeremy Grant

NESCO

Jeremy Grant

AUTHORIZATION:

_____

Signature

_____

Witness

_____

Name (Print)

NATIONAL
ENVIRONMENTAL
SERVICE COMPANY

RECEIVED
NOV 10 1998
DIV OF UNDERGROUND
STORAGE TANK MGMT.

November 4, 1998

NESCO
For Practical Solutions.

Mr. Scott McInnis
SCDHEC
2600 Bull Street
Columbia, S.C. 29201

Re: Timeline of offsite acquisition at E-Z Serve 8628 (GWPD #07303), Seneca, S.C.

1941 Decker Boulevard
Columbia, South Carolina 29206
803-790-0602

Fax 803-790-0699

Dear Scott,

Per your request on November 2, 1998, here is a chronological timeline of our right-of-entry acquisitions attempts for the above referenced site:

April 13, 1998 – Initial site visit. Spoke with Mr. James Queen about installing monitor wells on his property. Mr. Queen verbally agreed to allow for monitor well installations. Obtained tax map and addresses of surrounding property owners.

April 14, 1998 - A first round of right-of-entry letters were sent to prospective property owners.

August 25, 1998 – NESCO personnel arrived at the site to field screen and install wells on properties which we'd received permission to drill. Entry to Queen property vehemently denied by Mr. and Mrs. Queen for the purpose of field screening or monitor well installation. NESCO personnel told not to return under any circumstances.

September 4, 1998 – Certified mail letters were sent to unresponsive property owners.

October 6, 1998 – SCDHEC contacted about offsite acquisition . Another round of certified mail letters sent to unresponsive property by SCDHEC.

I hope that this timeline can by of assistance to you in your efforts to obtain permission to field screen and install monitor wells on the Queen and Montague properties. If I can be of any more assistance please feel free to contact me at 790-0602. After November 11, 1998, please contact Larry Mattila as I will be in Colorado until mid-December.

Sincerely,

Jeremy Grant

Jeremy Grant
Project Hydrogeologist

U.S. DOCKETING 1147

520-22-[illegible]-044

DHEC

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:
Records and Forms Management Unit
2600 Bull Street
Columbia, SC 29201

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: Catherine Kuchinsky

3. Title: Program Coordinator Date: 1/25/99

DOCKETING UST 1.15.99

Agency Records Officer signature:

4. Record Series Titles	5. Record Series #	6. Inclusive Dates	7. Volume (cubic footage)	8. Date of Destruction*
Ass. Plan	09344	1/95	.05	1/22/99
	"	4/90	.01	
	"	9/92	.11	
Rehab. Info	10302	6/93	.01	—
		3/93	.01	
		5/93	.01	
		8/92	.01	
		12/92	.01	
		1/92	.01	
*Documents put in recycle box on date of destruction			9) .23	Total Cubic Feet destroyed .357

.12
.23
.357 total

SITE ID #: 07303 FACILITY NAME: Tenneco Site

REVIEWED BY NAME: Kristen Hein

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

Report On Records Destroyed-Continuation
Records and Forms Management Unit

4. Record Series Titles	5. Record Series #	6. Inclusive Dates	7. Volume (cubic footage)	8. Date of Destruction *
Ass. Plan	09344	2/93	.01	1/22/99
	"	12/91	.11	↓
	"	9/90	.007	↓
			.127	
*Documents put in recycle box on date of destruction			9)	Total Cubic Feet destroyed

DHEC 0521A (04/1998) Page 2 of 2 [Records Retention Schedule #'s 12-300 and 12-331]

Z 274 112 605

McInnis

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail *(See reverse)*

Sent to Mr. & Mrs. James Owens	
Street & Number 211 Lumpkin St.	
Post Office, State, & ZIP Code Seneca, SC 29678	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date 0603 JUN 04 1999	

PS Form **3800**, April 1995

Stick postage stamps to article to cover First-Class postage, certified mail fee, and charges for any selected optional services *(See front).*

1. If you want this receipt postmarked, stick the gummed stub to the right of the return address leaving the receipt attached, and present the article at a post office service window or hand it to your rural carrier *(no extra charge).*

2. If you do not want this receipt postmarked, stick the gummed stub to the right of the return address of the article, date, detach, and retain the receipt, and mail the article.

3. If you want a return receipt, write the certified mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends if space permits. Otherwise, affix to back of article. Endorse front of article **RETURN RECEIPT REQUESTED** adjacent to the number.

4. If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse **RESTRICTED DELIVERY** on the front of the article.

5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is requested, check the applicable blocks in item 1 of Form 3811.

6. Save this receipt and present it if you make an inquiry. **102595-99-M-0079**

PS Form **3800**, April 1995 *(Reverse)*

D H E C
PROMOTE PROTECT PROSPER
2600 Bull Street
Columbia, SC 29201-1708

DIVISION OF
UNDERGROUND STORAGE TANK MANAGEMENT

Phone (803) 898-4365 Fax (803) 898-4330

CERTIFIED MAIL
Z 274 112 605

Mr. and Mrs. James Queens
211 Lumpkin St.
Seneca, SC 29678

JUN 04 1999

Re: Lil' Cricket #339/EZ Serve 8628
UST Permit # 07303
Access to Property, Tax Map # 520-22-01-044
Oconee County

Dear Mr. and Mrs. Queens:

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 Lil' Cricket #339. NESCO is under contract with Lil' Cricket Food Stores to perform the environmental assessment. NESCO needs access to the your property, which you own, in order to install up to 2 temporary and 1 permanent 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 well 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 Scott McInnis **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 Scott McInnis **within fifteen days** of the date of this letter.

Sincerely,

Owner/Operator Assistance Section
Assessment and Corrective Action Branch
Division of Underground Storage Tank Management

W.A. (Scott) McInnis, III, P.G., Hydrogeologist

Lee A. Monts, Manager

enc: Right of Entry Form

cc: NESCO, Attn: Jeremy Grant, 1941 Decker Blvd., Columbia, SC 29206
LIL CRICKET FOOD STORES, Attn: Rusty Overstreet, P.O. BOX 4551, SPARTANBURG, SC 29305-4551
Read/Technical File (n/enc)

DHEC/UST/060399

DOCKETING 1160

D H E C
PROMOTE PROTECT PROSPER
2600 Bull Street
Columbia, SC 29201-1708

DIVISION O.
UNDERGROUND STORAGE TANK MANAGEMENT

Phone (803) 898-4365 Fax (803) 898-4330

CERTIFIED MAIL
Z 274 112 605

Mr. and Mrs. James Queens
211 Lumpkin St.
Seneca, SC 29678

JUN 04 1999

Re: Lil' Cricket #339/EZ Serve 8628
UST Permit # 07303
Access to Property, Tax Map # 520-22-01-044
Oconee County

Dear Mr. and Mrs. Queens:

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Sincerely,

Owner/Operator Assistance Section
Assessment and Corrective Action Branch
Division of Underground Storage Tank Management

W.A. (Scott) McInnis, III, P.G., Hydrogeologist

Lee A. Monts, Manager

enc: Right of Entry Form

cc: NESCO, Attn: Jeremy Grant, 1941 Decker Blvd., Columbia, SC 29206
LIL CRICKET FOOD STORES, Attn: Rusty Overstreet, P.O. BOX 4551, SPARTANBURG, SC 29305-4551
Read/Technical File (n/enc)

DHEC/UST/060399

USGS 3 km W of Seneca, South Carolina, United States 01 Jul 1980

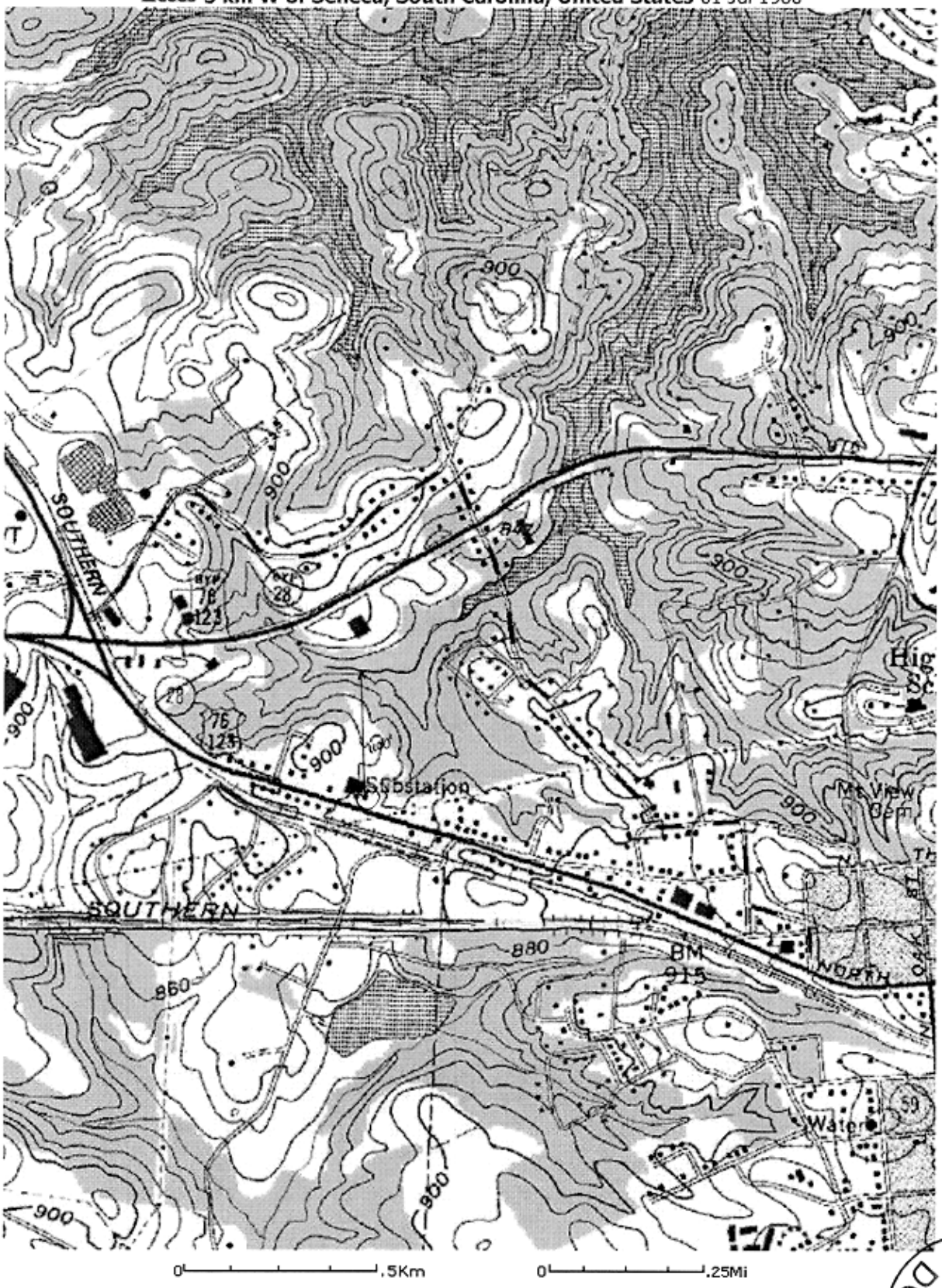

Image courtesy of the U.S. Geological Survey
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USPTO DOCKETING 117

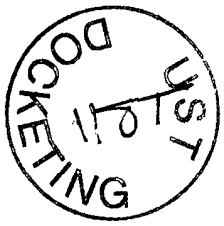
D H E C
PROMOTE PROTECT PROSPER
2600 Bull Street
Columbia, SC 29201-1708

BUREAU OF LAND AND WASTE MANAGEMENT
UNDERGROUND STORAGE TANK PROGRAM

Phone (803) 896-6240 Fax (803) 896-6245

OCT 14 2003

RUSTY OVERSTREET
LIL CRICKET FOOD STORES INC
PO BOX 4551
SPARTANBURG SC 29305-4551



Re: Lil Cricket 339, 800 W. First St., Senaca, South Carolina
UST Permit #07303; CA #19455
Release reported April 27, 1989
Technical File reviewed July 14, 2003
Oconee County

Dear Mr. Overstreet:

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 results of the referenced file review indicate that chemicals of concern (CoC) are present in groundwater at concentrations above allowable risk-based screening levels (RBSLs). Therefore, Cost Agreement #19455 has been approved in the amount on the enclosed Approved Cost Agreement to sample all monitoring wells associated with the release. The Monitoring Report shall 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 must also contain well purging data, pH, specific conductivity, water temperature, PID readings (where applicable), and turbidity comments.
- Groundwater data including elevations, depth to groundwater, measurable free product thickness (where applicable), total well depth, screened interval, and analytical data in tabular format for all monitoring wells associated with the release, unless otherwise directed by the Program.
- A groundwater elevation contour map of the site based on current groundwater data. The groundwater data should be adjacent to the relevant monitoring well on the map.
- Manifests for any contaminated soil and/or groundwater removed from the site for treatment and/or disposal.
- Signature and seal by a professional geologist or engineer registered in the State of South Carolina.
- **Please inform the Program if a significant number of monitoring wells are either dry or unable to be located before collecting samples.**

The Monitoring Report and Invoice are due within **60 days** from the date of this letter. Interim invoices may not be submitted for this scope of work. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

Our records indicate that you previously selected NESCO, Inc. as your contractor to perform environmental site rehabilitation activities. As of January 24, 2003, NESCO, Inc. is no longer a SCDHEC- certified site rehabilitation contractor and, in accordance with R.61-98, cannot perform any

site rehabilitation activity associated with the UST release at your facility. As such, you will need to select another SCDHEC certified site rehabilitation contractor for the existing scope of work.

As you have requested that the SUPERB Account issue payment directly to the contractor once the scope of work has been satisfactorily completed, please indicate your choice of contractor on the enclosed Information Sheet and return to my attention within 30 days after receipt of this letter so that we can update the payee information. All site rehabilitation activities must be performed and submitted by a South Carolina Certified Underground Storage Tank Site Rehabilitation Contractor. A list of South Carolina Certified Contractors is enclosed for your convenience.

All site rehabilitation activities must be performed and submitted by a South Carolina Certified Underground Storage Tank Rehabilitation Contractor. Also note that Section 44-2-110(4) and 44-2-130 of the SUPERB Statue state that no costs will be allowed unless prior approval from the Program is obtained. If for any reason additional tasks are necessary, these additional tasks and the associated costs must be preapproved by the Program for the costs to be paid. 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, and SCDHEC reserves the right to audit project records at any time during the project or after completion of work.

The Bureau grants preapproval for transportation of petroleum-contaminated groundwater from the site to a permitted treatment facility. The contaminated groundwater must be properly stored in labeled containers. The contaminated 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 Program for approval to dispose of the groundwater on site. The SUPERB Account will not compensate for transportation or treatment of clean groundwater.

On all correspondence concerning this site, please reference UST Permit #07303 and CA #19455. If there are any questions concerning this project, please contact me at (803) 896-6675 or (800) 826-5435 (within South Carolina only).

Sincerely,

Stephen R. Maxwell, P.G., Hydrogeologist
Owner/Operator Support Section
Assessment and Corrective Action Division

enc: Approved Cost Agreement #19455 (ACA)
O/O Information Sheet

cc: Technical File (w/ ACA)

Approved Cost Agreement 455

Facility: 07303 LIL CRICKET 339
MAXWELSR
PO Number:

Task / Description	Categories	Item Description	Qty / Pct	Unit Price	Amount
04 MOB/DEMOB					
		B PERSONNEL	2.0000	250.00	500.00
10 SAMPLE COLLECTION					
		A GROUND WATER	8.0000	55.00	440.00
11 ANALYSES					
	GW GROUNDWATER	A BTEX+NAPTH+MTBE	8.0000	100.00	800.00
17 DISPOSAL					
		A1 WASTEWATER - PURGING/SAMPLING	1.0000	90.00	90.00
19 RPT/PROJECT MNGT & COORDINATIO					
		PCT PERCENT	0.1500	1,830.00	274.50
			Total Amount		2,104.50

GROUNDWATER MONITORING REPORT
LI'L CRICKET 339
SENECA, SOUTH CAROLINA
SITE ID # 07303
CA # 19455

Prepared For:

SCDHEC BUREAU OF UNDERGROUND TANK MANAGEMENT
2600 BULL ST.
COLUMBIA, SC 29201

Submitted By:

TERRY ENVIRONMENTAL SERVICES

P.O. BOX 41784
CHARLESTON, SOUTH CAROLINA 29423
(843) 873-8200
Fax (843) 873-8765
www.terryenvironmental.com

UST CONTRACTOR # 223
PROJECT # 2170

DOCKETING

Kelly E. Maloney

KELLY E. MALONEY
ENVIRONMENAL SCEINTIST

Mark L. Keller

MARK L. KELLER, PG
PROJECT MANAGER

December 16, 2003

MARK L. KELLER
REGISTERED
MLK
No. 2311
12/16/03
SOUTH CAROLINA
PROFESSIONAL GEOLOGIST

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1.0 INTRODUCTION

TERRY Environmental Services, Inc. (TERRY) has been contracted by Li'l Cricket Food Stores to serve as their environmental contractor for the Li'l Cricket # 339, GWPD Site ID # 07303. The Groundwater Monitoring Event presented herein has been performed to monitor the contaminant levels at the Li'l Cricket # 339. The site is located at 800 West First St., Seneca, South Carolina (Appendix 1, Figures 1A & 1B). The site is bordered to the north by West First St., to the south by a residential area, to the east by Duke Power commercial property, and to the west by Lumkin Street. A site map is provided as Appendix 1, Figure 2.

2.0 SITE SPECIFIC ASSESSMENT INFORMATION

2.1 Piezometric Data

On November 25, 2003 the monitoring well was gauged with a Keck Oil / Water interface probe by TERRY personnel Chris Martin and Kelly Maloney. The depth to water measurement was taken with reference to the top of well casing (TOC). The Groundwater Sampling Log is provided in Appendix 2. Two monitoring wells were able to be located but only one was sampled. The sampled well's tag indicated it to be MW-8. The other well (assumed to be MW-3 based on the 1991 map) was not sampled because the top portion of the casing was broken which would not allow a bailer into the well. TERRY was provided with two different maps for this site. One map was dated 1991 and the other was dated 1998. The 1991 map shows a well marked MW-8 across the street from the site, which was not the MW-8 that was sampled. We have indicted on the map where we found the well tagged MW-8 that was sampled. The building on site, as well as part of the residential area behind the building, were burned down, which made it difficult to access the rear of the building. A piezometric map could not be constructed for this site as only one well could be sampled on the property.

TABLE 1
MONITORING WELL AND GROUNDWATER DATA
LI'L CRICKET 339
GREENVILLE, SOUTH CAROLINA
GWPD # 07303

WELL #	TOC Elevation	Screened Interval	Depth to Product** (ft)	Depth to Water** (ft)	Water Table Elevation
MW-8	Unknown	Unknown	--	40.42	--

** Relative to top of casing.
- = No measurable product.
CNL = Could Not Locate
* = Not corrected for product due to minimal thickness. Not used in piezometric map contouring.

2.2 Groundwater Sampling

TERRY personnel sampled the well on November 25, 2003 and submitted the sample to Access Analytical, Inc. (SCDHEC Lab Certification # 96023). The groundwater analytical data is provided in Table 2 and Appendix 3. The analytical data was used to generate a contaminant concentration map for COC's detected by laboratory analyses (Figure 3). The analytical results indicate groundwater contamination is below the Risk-Based Screening Levels for all constituents of concern.

TABLE 2
ANALYTICAL DATA
LI'L CRICKET 339
GREENVILLE, SOUTH CAROLINA
GWPD # 07303

WELL ID	Benzene (5 ug/l)	Toluene (1000 ug/l	Ethylbenzene (700 ug/l)	Xylenes (10,000 ug/l)	Naphthalene (25 ug/l)	MTBE (40 ug/l)
MW-8	<1.0	<1.0	<1.0	<1.0	<1.0	1.7

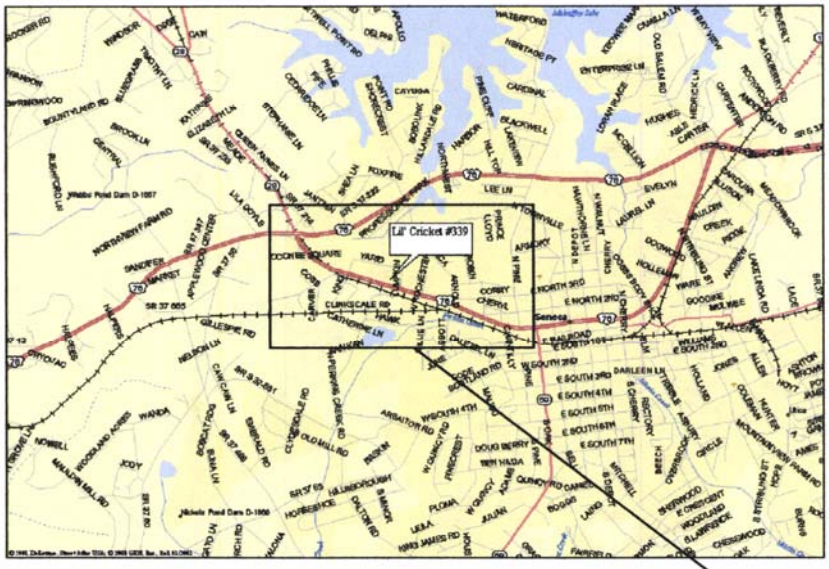
NOTES:
1. MTBE = METHYL TERTIARY BUTYL ETHER
2. ALL CONCENTRATIONS IN UG/L

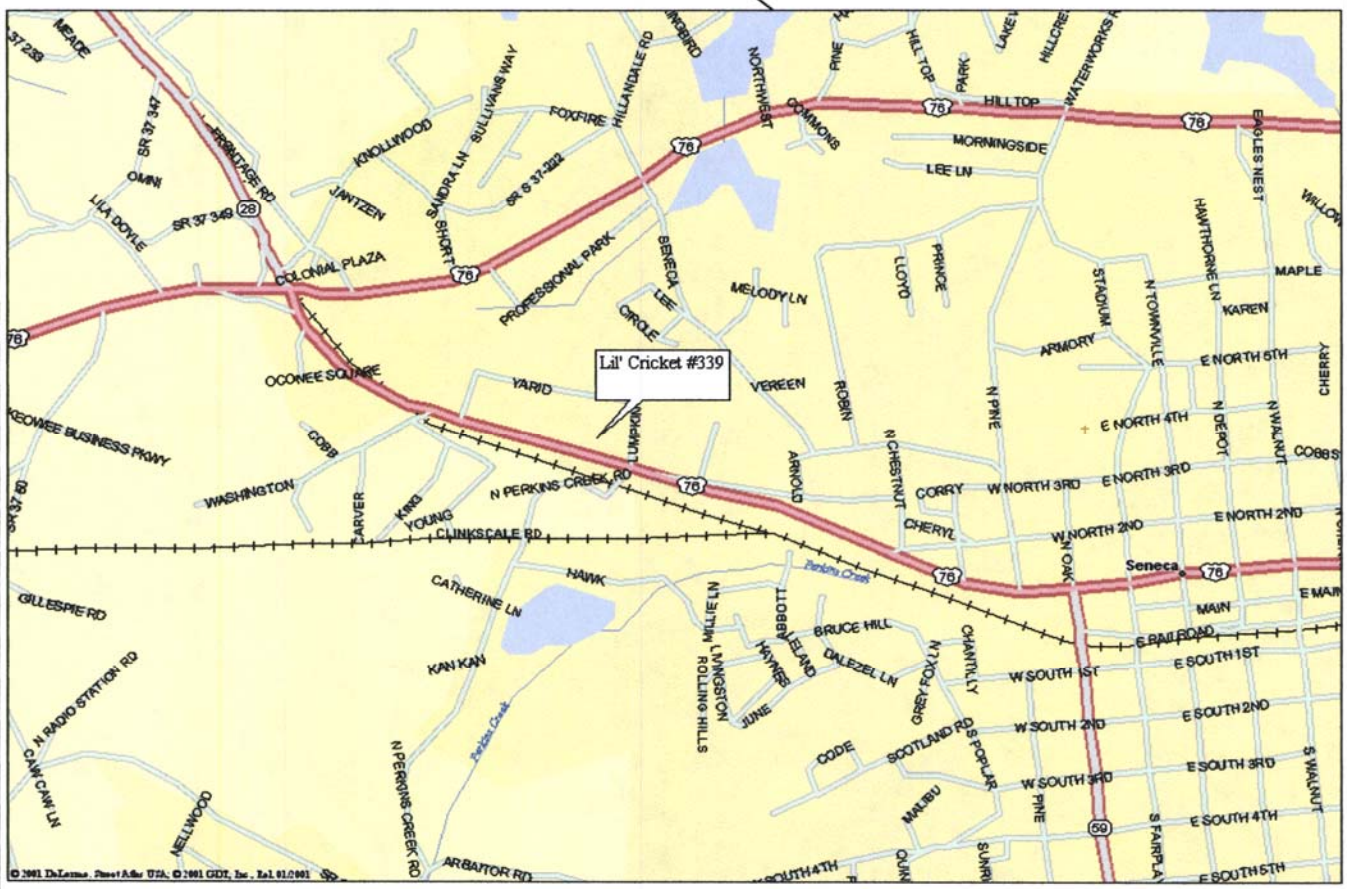
3.0 CONCLUSIONS

Results of the sampling event for Li'l Cricket # 339 indicate groundwater contamination is below the Risk-Based Screening Levels for each chemical of concern in the area of MW-8. Due to the fact that a significant number of wells could not be located, an assessment of the current conditions at the site is not possible at this time.

APPENDIX 1

Figures





TERRY *ENVIRONMENTAL SERVICES*

...providing our clients with the very best environmental services available, actually understanding our Clients' objectives, and making their objectives our own!

P.O. BOX 41784 CHARLESTON, SOUTH CAROLINA 29423 1-800-325-0605

www.terryenvironmental.com

FIGURE 1A
SITE LOCATION – HIGHWAY MAP
LIL CRICKET 339
SENECA, SOUTH CAROLINA
SITE ID# 07303
TERRY PROJECT #2170
DECEMBER, 2003

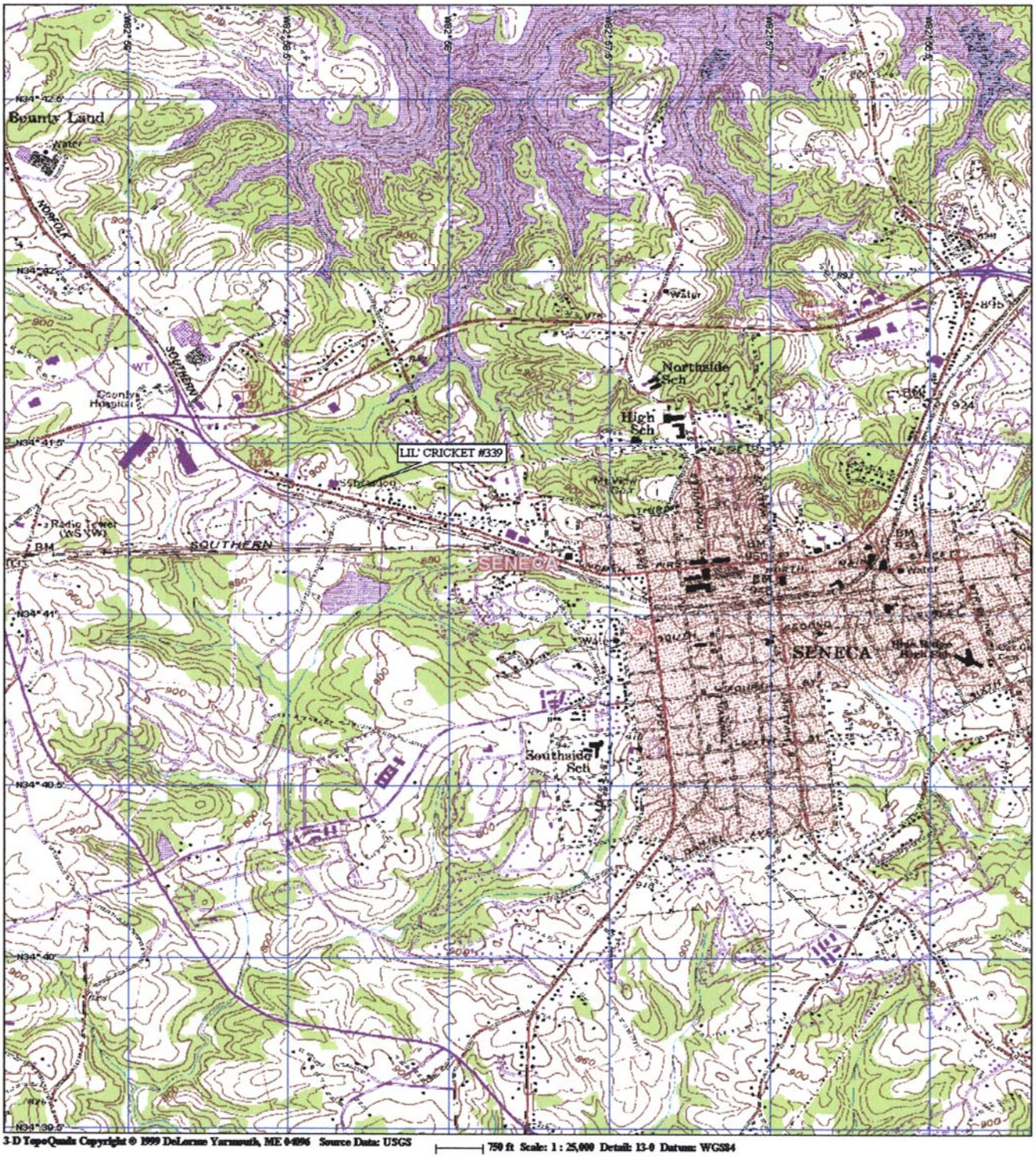


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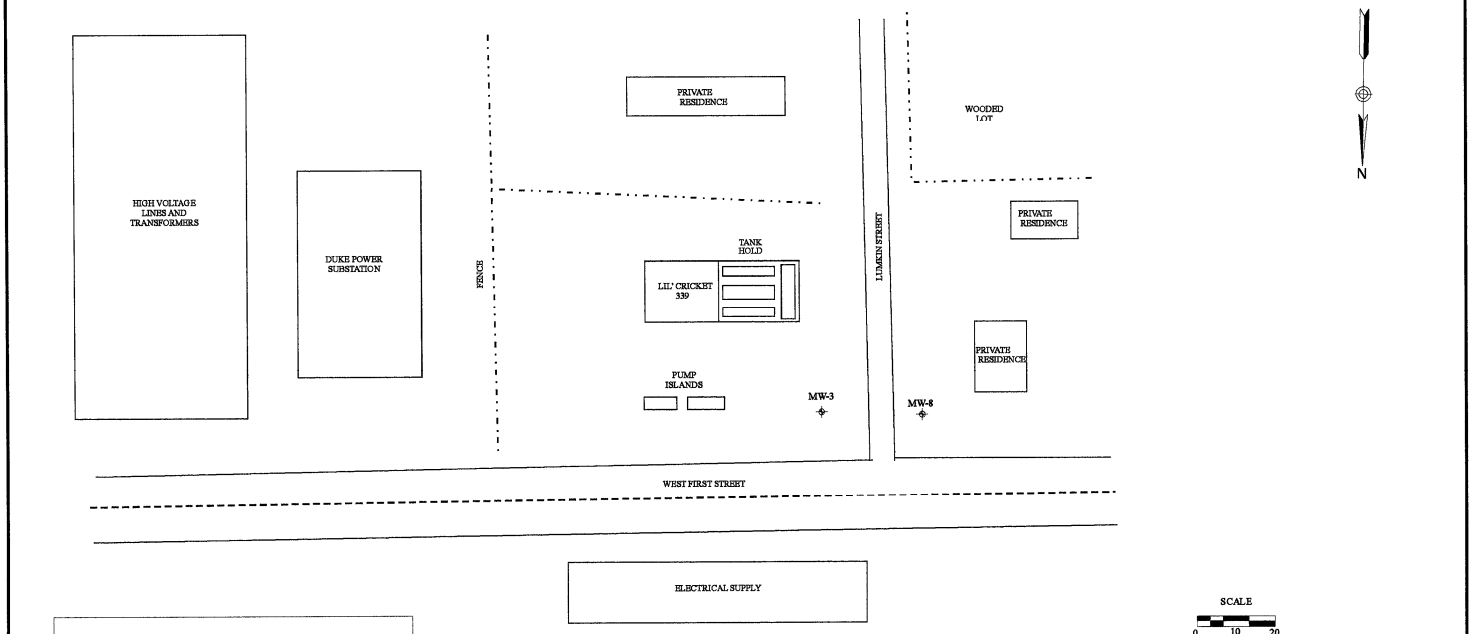
FIGURE 1B
SITE LOCATION – USGS MAP
LIL CRICKET 339
SENECA, SOUTH CAROLINA
PROJECT 2170
SITE ID # 07303
DECEMBER, 2003



LEGEND

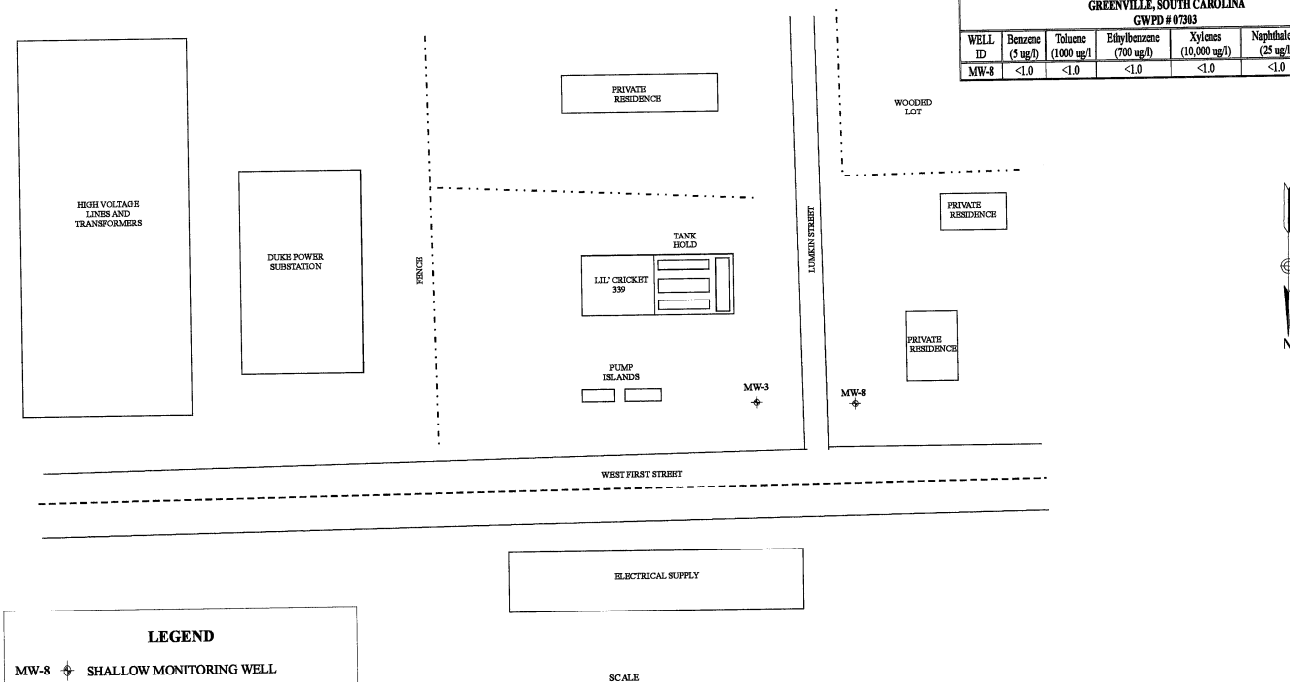
MW-8 ⊕ SHALLOW MONITORING WELL

TERRY ENVIRONMENTAL SERVICES
...providing our Clients with the best environmental services available.
actually understanding our Clients' objectives,
and making their objectives our own!
P.O. Box 41784 Charleston, South Carolina 29423
1-800-525-0605 843-873-8200 843-873-8765 (fax)
www.terryenvironmental.com

FIGURE 2
SITE MAP
LI'L CRICKET #339
800 WEST FIRST ST.
SENECA, SOUTH CAROLINA
SITE ID # 07303
PROJECT # 2170 DECEMBER, 2003

TABLE 2
ANALYTICAL DATA
LIL CRICKET 339
GREENVILLE, SOUTH CAROLINA
GWPD # 07303

WELL ID	Benzene (5 ug/l)	Toluene (1000 ug/l	Ethylbenzene (700 ug/l)	Xylenes (10,000 ug/l)	Naphthalene (25 ug/l)	MTBE (40 ug/l)
MW-8	<1.0	<1.0	<1.0	<1.0	<1.0	1.7



LEGEND

MW-8 ⊕ SHALLOW MONITORING WELL

SCALE

0 10 20

IN FEET

TERRY ENVIRONMENTAL SERVICES

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P.O. Box 41784 Charleston, South Carolina 29423
1-800-325-0505 843-873-8200 843-873-8765 (fax)
www.terryenvironmental.com

FIGURE 3
GROUNDWATER ANALYTICAL DATA
LI'L CRICKET #339
800 WEST FIRST ST.
SENECA, SOUTH CAROLINA
SITE ID # 07303
PROJECT # 2170 DECEMBER, 2003

APPENDIX 2

Sampling Log

P.O. Box 41784 Charleston, SC 29423 1-800-325-0605

TERRY Project #:	2170	Well #:	MW-8
Project Name:	Lil Cricket 339	Well Diameter:	2 INCHES
Date:	11/25/2003	Total Well Depth:	45 FEET
Field Personnel:	C. Martin and K. Maloney	Depth to Groundwater:	40.42 FEET
General Weather Conditions:	Sunny	Length of Water Column =	4.58 FEET
Ambient Air Temperature:	42 F SCDHEC Site ID: 07303	1 casing vol =	4.58 X 0.163 = 0.75 GALLONS
Facility Name:	Lil Cricket 339	3 casing vols =	0.75 X 3 = 2.24 GALLONS
		Total Volume of Water Purged:	1 GALLONS
		Additional Comments:	

QUALITY ASSURANCE

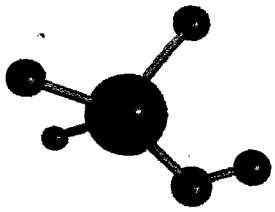
pH Meter	Horiba	Conductivity Meter:	Horiba
Serial No	U10	Cond Serial No:	U10
pH 4:	Internal	Standard1:	Internal
pH 7:	Internal	Standard2:	Internal
pH 10:	Internal	Standard3:	Internal

Volume (gal):	--								
Time:	0928								
pH (su):	5.15								
Spec Cond (mS/cm):	.064								
Water Temp (F or C):	15.3								
Turbidity (subjective):	444								
OVA Readings (ppm):	--								
Salinity (%):	--								
Dissolved Oxygen (mg/l):	--								

Remarks:

APPENDIX 3

Water Analytical Data



ACCESS ANALYTICAL, INC.

Chris Martin
Terry Environmental Services
801C Travelers Blvd.

Summerville, SC 29485

Page 1
December 4, 2003
Report # 312000063
Order # 100765
STL Miami Cert ID# 96023
NELAP ID# E86349

Site Location/Project
SC.
Lil Cricket 339

Sample I.D.: MW-8
Collected: 11/25/03 09:25
Received: 12/02/03 10:00
Collected by: Client

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT	DATE EXT.	DATE ANALY.	ANAL
8260B BTEX w/Naph+MTBE in Water by GC/MS (S.C.)			MEDF	1			
Methyl-Tert-Butyl-Ether	1.70	ug/L	5030/8260B	1.000	12/03/2003	12/03/2003	04:09PMD
Benzene	BDL	ug/L	5030/8260B	1.000	12/03/2003	12/03/2003	04:09PMD
Toluene	BDL	ug/L	5030/8260B	1.000	12/03/2003	12/03/2003	04:09PMD
Ethylbenzene	BDL	ug/L	5030/8260B	1.000	12/03/2003	12/03/2003	04:09PMD
m & p-Xylene	BDL	ug/L	5030/8260B	1.000	12/03/2003	12/03/2003	04:09PMD
o-Xylene	BDL	ug/L	5030/8260B	1.000	12/03/2003	12/03/2003	04:09PMD
Total Xylene	BDL	ug/L	5030/8260B	1.000	12/03/2003	12/03/2003	04:09PMD
Naphthalene	BDL	ug/L	5030/8260B	1.000	12/03/2003	12/03/2003	04:09PMD
SURROGATE: Toluene-D8	103.75%						
SURROGATE: Bromofluorobenzene	113.60%						
SURROGATE: Dibromofluoromethane	92.25%						

REPORT COMMENTS:
BDL: Indicates Analyte is Below Detection Limit MEDF: Matrix Effected Dilution Factor
Unless otherwise noted, mg/Kg denotes wet weight

Unless otherwise noted in analyst section, all work performed by STL MIAMI.
10200 USA Today Way, Miramar Florida 33025. (954) 431-4550 (South Carolina Cert ID# 96023)
Certs: FL=E86349, AL=41180,CT=PH0217, MD.=#271, MA.=#M-FL535,PR=FL00535 SC=96023,TN=TN02836
*Tests results meet all the requirements of NELAC, unless identified as "certification in-process"
Unless otherwise noted, samples submitted for EPA 5035 were collected,preserved and analyzed in accordance with all methodology requirements.

Company Representative

Access Analytical - Chain of Custody Record

Laboratory ID: _____

Project Submission #: 03/12-63 RUSH # 100465 RA PO #: _____

Company Name: Terry Environmental Services

Address: 801-C Travelers Blvd

City: Summerville ~~Moncks~~ State: SC Zip: 29485

Project Name: Lil Cricket 339

Report To: Chris Martin

Sampled By (print): Chris Martin Kelly Maloney

Preservative (*see codes below)

REQUESTED LAB ANALYSIS: BTEX, Naph, MTBE

ACCESS ANALYTICAL, INC.

1248 Lake Murray Blvd.
Irmo, SC 29063

Phone: (803) 781-4243
Fax: 781-4303
Toll Free (888) 315-4243
www.accessanalyticalinc.com

Sample Label	Date Collected	Time Collected	Matrix	# of Cont	BTEX, Naph, MTBE	NOTES / COMMENTS
MW-8	see vial	see vial	H_2O	2	X	ord # 100465
	11/25/03 RA	9:25 RA				
						Note Reference Quote #602

Turnaround Time:

✓ Std. (5-7 Bus. days)
___ RUSH*
*Date Required: _____
(For rush work, results faxed by end of business day on date required)

Samples Recd. on Ice?
✓ Yes
___ No

Project Location:
✓ SC
___ NC
___ Other _____ (specify)

Relinquished By:	Date:	Time:	Received By:
Chris C. Martin	12-1-03	1430	[signature]
[signature]	12/1/03	1530	Fed EX
Fed EX	12.2.03	10:00	[signature]
			[signature]

* Preservative Codes (*place corresponding # in block above analysis field*): 0=None, 1=HCL, 2=HNO_3, 3=H_2SO_4, 4=NaOH, 5=$Na_2S_2O_3$, 6=$NaHSO_4$, Other=Specify

Pg 1 of 1

Access Analytical, Inc.
See Reverse for Terms and Conditions

Original Copy - Returned w/Report
Yellow Copy - Access File Copy
Pink Copy - Client Copy

From: "Jason Terry" <jterry@terryenvironmental.com>
To: "'Art A. Shrader'" <Shradeaa@dhec.sc.gov>
Date: 2/26/2007 4:14:07 PM
Subject: RE: List of Lil Cricket Releases

Art,

Thanks... we already knew there were a few that would stay with the previous RP, but I REALLY appreciate you taking the time to notify me exactly which ones they were.

I'll notify Dennis and Terry.

Thanks again.

Sincerely,

Jason Terry
President
TERRY Environmental Services, Inc.
1753 North Main Street
Summerville, SC 29483
843-873-8200 office
843-991-1455 mobile

-----Original Message-----
From: Art A. Shrader [mailto:Shradeaa@dhec.sc.gov]
Sent: Monday, February 26, 2007 4:05 PM
To: jterry@terryenvironmental.com
Cc: Robert F. Hodges, Jr.
Subject: List of Lil Cricket Releases

Jason,

FYI.

I had three sites on the Owner/Operator Lead Information Sheet where Terry Lenman with Lil Cricket selected Terry Environmental Services. Majik Mart or EZ Serv was the tank owner in 1989, when the releases were reported, for UST Permits #00560 (Action Food Mart in Anderson) , 07303 (Lil Cricket 339 in Seneca) and 07304 (Laltu Food Store 1 in Seneca). By law, these tank owners can choose the rehabilitation contractor for these older releases.

If there is a new release or a release where LiL Cricket is the tank owner at the time the release was reported, then LiL Cricket can choose Terry to perform necessary rehabilitation activities.

I hope this information is useful.

Art Shrader, Hydrogeologist
Assessment Section
Assessment and Corrective Action Division
Bureau of Land and Waste Management

07303

Robert Hodges

RECEIVED

JAN 23 2007

UNDERGROUND STORAGE TANK PROGRAM

UNDERGROUND STORAGE TANK (UST) OWNER/OPERATOR LEAD INFORMATION SHEET

1. CONTRACTOR OF CHOICE

As the UST Owner/Operator of Site #'s

00507	04088	04670	05811	07305	09008	10596	12723	17343	05809	17275	10504
00560	04089	04723	05812	07624	09010	10619	14619	17892	05810	17332	11900
00968	04159	04725	06067	07671	09548	10656	14717	17929	18162	18446	
01020	04171	04726	11863	07672	10287	10884	15533	17954	07303	18565	
01197	04371	04727	06545	08433	10360	10912	16232	18062	07304	18240	
01463	04611	05670	06546	08460	10498	11047	16735	18109	08584	18294	
05671	06547	08467	10499	11079	16736	01694	04618	01488	08613	04613	
05676	07300	08583	10500	11241	17138	03766	04622	01491	10502	04614	

I would like to use the contractor or person(s)* listed below and request that they represent me for: (check one)

_____Initial Groundwater Assessment

X_____all future assessment scopes.**

Name of Contractor/Person(s) TERRY Environmental Services, Inc.
Contractor # 223

Address P.O. Box 25
Summerville, South Carolina 29484

Telephone Number (843) 873-8200

Note: Site rehabilitation activities must be performed by a SCDHEC Certified Site Rehabilitation Contractor in accordance with R.61-98.
*indicate if person listed is your employee
** if you would like the contractor to perform all future assessment activities at this and/or other UST sites that have confirmed releases, please provide a list of all sites on your letterhead and provide the information requested in items 2 and 3 below within the context of the letter.

2. FINANCIAL OR FAMILIAL RELATIONSHIP

Does a financial or familial relationship, as defined below, exist between you and the contractor/person that you listed above?
_____ Yes xxxxxx TC **No (please initial)**
Financial relationship: A connection or association through a material interest of sources of income which exceed five percent of annual gross income from a business entity.
Familial Relationship: A connection or association by family or relatives, in which a family member or relative has a material interest. Family or relatives include: father, mother, son, daughter, brother, sister, uncle, aunt, first cousin, nephew, niece, husband, wife, father-in-law, mother-in-law, daughter-in-law, step father, stepmother, stepson, stepdaughter, stepbrother, stepsister, half brother, half sister, grandparent, grandchild, great grandchild, step grandparent, step great grandparent, step grandchild, step great grandchild, or fiancée.

3. PAYMENT

You can pay the contractor and, upon submittal of the canceled check (or a notarized statement from the contractor), be compensated from the SUPERB Account, or have payment issued directly from us to the contractor.

request that payment be made to me after I have paid the contractor. _____Yes _____ No (please initial)
quest that payment be made directly to the contractor. xxx TC Yes _____ No **(please initial)**

All costs must receive prior financial approval from the Department regardless of payment option.

MW

nd Storage Tank Owner/Operator Signature T C Gore

Print Terry L. Lehman - Lic Contr

Date 1-19-2007

I have received notice from Lil Cricket that they select TERRY ENVIRONMENTAL SERIVCES for all future

Permit No.	Release	PM
5671	1	ABERNAJD
5670	1	ABERNAJD
6067	1	ABERNAJD
3766	1	ABERNAJD
4618	1	ABERNAJD
4622	1	ABERNAJD
6547	1	AKHVLEKT
5811	1	AKHVLEKT
6546	1	AKHVLEKT
10596	1	AKHVLEKT
5809	1	AKHVLEKT
5810	1	AKHVLEKT
11900	1	AKHVLEKT
7624	1	BLOCKSE
4723	2	BRINEYSM
10287	1	BRINEYSM
1694	1	BRINEYSM
1488	2	BRINEYSM
1491	1	BRINEYSM
10504	1	BRINEYSM
4088	1	HYDRICPA
4159	1	HYDRICPA
10499	1	HYDRICPA
10498	1	HYDRICPA
10502	1	HYDRICPA
8583	1	MILENKMP
11863	1	MILENKMP
10500	1	MILENKMP
8433	1	MILENKMP
8460	1	MILENKMP
17138	2	MILENKMP
11047	1	MILENKMP
507		MINER
6545	1	PADGETJP
8467	1	PETRUSLB
10619	1	PETRUSLB
10656	1	PETRUSLB
12723	1	PETRUSLB
560	1	SHRADEAA
7303	1	SHRADEAA
7304 -81	1	SHRADEAA
1020	2	UTZST
4726	1	UTZST

ROD-T

Charged to DS.

704 301 4980

Action Food Mart ASK Majik Market/TOC ATC Columbia

EZ Serv - wells gone Seneca

EZ Serv - ATC Charlotte

27 - 7 not found (mw-2, mw-4, mw-5

mw-10, mw-13, mw-14

B2)

07303

Former Lil Cricket #339
UST Permit #07303

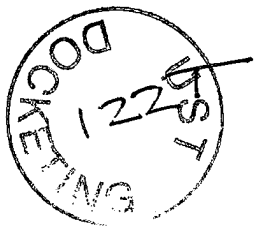
	Tier I	Tier II	AR	AR	AR	AR
MW-3	10/1/08	2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW	41.28	41.54	nm	38.78	nm	nm
Benzene	**9**	2	ns	2	ns	ns
Toluene	<1	<1		56		
Ethylbenzene	4	<1		46		
Xylenes	7	<3		510		
MTBE	**57**	**56**		<1		
Naphthalene	4	<5		**170**		
Lead	14	5		12		
DCA	<1	<1		<1		
EDB	<0.01	<0.01		<0.02		
DIPE	na	3		<10		
TAA	na	46		<100		
TAME	na	7		<10		
TBA	na	103		<100		

MW-5R	10/1/08	2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW	59.55	53.20	nm	38.63	nm	nm
Benzene	ns	<1	ns	<1	ns	ns
Toluene		<1		<1		
Ethylbenzene		<1		<1		
Xylenes		<3		<3		
MTBE		1		<1		
Naphthalene		<5		<5		
Lead		<1		<1		
DCA		<1		<1		
EDB		<0.01		<0.02		
DIPE		<5		<10		
TAA		<20		<100		
TAME		<5		<10		
TBA		<10		<100		

MW-9	10/1/08	2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW	40.81	40.44	nm	37.05	nm	nm
Benzene	**2820**	**3020**	ns		ns	ns
Toluene	**4860**	**4180**				
Ethylbenzene	**1140**	**1150**				
Xylenes	4720	4370				
MTBE	**9050**	**8630**				
Naphthalene	**357**	**393**				
Lead	**160**	14				
DCA	**<50**	52				
EDB	**197.00**	**0.07**				
DIPE	na	**247**				
TAA	na	**<1000**				
TAME	na	**438**				
TBA	na	**3450**				

MW-10	10/1/08	2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW	**FP**	**FP**	nm	**FP**	nm	nm
Benzene	(0.33')	(0.10')	ns	(0.02')	ns	ns
Toluene						
Ethylbenzene						
Xylenes						
MTBE						
Naphthalene						
Lead						
DCA						
EDB						
DIPE						
TAA						
TAME						
TBA						

MW-11		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW		43.31	nm	40.65	nm	nm
Benzene		<1	ns	<1	ns	ns
Toluene		<1		<1		
Ethylbenzene		<1		<1		
Xylenes		<3		<3		
MTBE		1		1		
Naphthalene		<5		<5		
Lead		14		13		
DCA		<1		<1		
EDB		<0.01		<0.02		
DIPE		<5		<10		
TAA		<20		<100		
TAME		<5		<10		
TBA		<10		<100		



MW-12		2/17/09	6/22/09	2/25/1	/24/11	5/5/11
DTW		45.39	nm	42.	nm	nm
Benzene		<1	ns	<	ns	ns
Toluene		<1		<1		
Ethylbenzene		<1		<1		
Xylenes		<3		<3		
MTBE		25		22		
Naphthalene		<5		<5		
Lead		4		13		
DCA		<1		<1		
EDB		<0.01		<0.02		
DIPE		1		<10		
TAA		<20		<100		
TAME		<5		<10		
TBA		<10		<100		

MW-13		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW		45.34	nm	42.93	nm	nm
Benzene		<1	ns	**72**	ns	ns
Toluene		<1		7		
Ethylbenzene		<1		18		
Xylenes		36		13		
MTBE		17		**180**		
Naphthalene		10		<5		
Lead		<15		6		
DCA		<1		<1		
EDB		<0.01		<0.02		
DIPE		1		12		
TAA		<20		170		
TAME		<5		<10		
TBA		17		960		

MW-14		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW		49.58	nm	47.29	nm	nm
Benzene		<1	ns	<1	ns	ns
Toluene		<1		<1		
Ethylbenzene		<1		<1		
Xylenes		<3		<3		
MTBE		2		<1		
Naphthalene		<5		<5		
Lead		4		14		
DCA		<1		<1		
EDB		<0.01		<0.02		
DIPE		<5		<10		
TAA		<20		<100		
TAME		<5		<10		
TBA		<10		<100		

MW-15		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW		47.05	nm	44.64	nm	nm
Benzene		**822**	ns	**770**	ns	ns
Toluene		**1420**		940		
Ethylbenzene		417		510		
Xylenes		1550		2500		
MTBE		**1320**		**1200**		
Naphthalene		**143**		**190**		
Lead		5		8		
DCA		<20		<1		
EDB		<0.01		<0.02		
DIPE		41		**59**		
TAA		**<400**		**1600**		
TAME		**141**		73		
TBA		**2150**		**2300**		

MW-16		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW		42.08	nm	39.09	nm	nm
Benzene		**183**	ns	**60**	ns	ns
Toluene		85		5		
Ethylbenzene		57		5		
Xylenes		107		18		
MTBE		**542**		**200**		
Naphthalene		<25		9		
Lead		4		2		
DCA		9		<1		
EDB		0.02		<0.02		
DIPE		29		13		
TAA		237		<100		
TAME		39		<10		
TBA		114		<100		

MW-17		2/17/09	6/22/09	2/25/1	/24/11	5/5/11
DTW		41.43	nm	38.	nm	nm
Benzene		**106**	ns		ns	ns
Toluene		16		<1		
Ethylbenzene		55		7		
Xylenes		84		<3		
MTBE		**463**		**220**		
Naphthalene		<25		13		
Lead		<15		2		
DCA		<5		<1		
EDB		<0.01		<0.02		
DIPE		24		12		
TAA		<100		<100		
TAME		<10		<10		
TBA		<100		<100		

MW-18		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW		40.90	nm	37.93	nm	nm
Benzene		**255**	ns	**370**	ns	ns
Toluene		73		340		
Ethylbenzene		109		140		
Xylenes		458		1400		
MTBE		**689**		**930**		
Naphthalene		<25		**110**		
Lead		6		1		
DCA		7		<1		
EDB		0.01		<0.02		
DIPE		38		65		
TAA		143		<100		
TAME		44		35		
TBA		123		390		

MW-19		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW		40.33	nm	**FP**	nm	nm
Benzene		**3110**	ns	(0.05')	ns	ns
Toluene		**9000**				
Ethylbenzene		**1330**				
Xylenes		5410				
MTBE		**12100**				
Naphthalene		**682**				
Lead		**100**				
DCA		**<100**				
EDB		**6.49**				
DIPE		**323**				
TAA		**<2000**				
TAME		**804**				
TBA		**7480**				

MW-20		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW		43.12	nm	**FP**	nm	nm
Benzene		**1340**	ns	(0.10')	ns	ns
Toluene		**1840**				
Ethylbenzene		**1040**				
Xylenes		2670				
MTBE		**6230**				
Naphthalene		**602**				
Lead		**53**				
DCA		**<100**				
EDB		**1.61**				
DIPE		**146**				
TAA		**8450**				
TAME		**676**				
TBA		**16300**				

MW-21			6/22/09	2/25/11	3/24/11	5/5/11
DTW			49.56	48.61	nm	nm
Benzene			<1	<1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			<1	<1		
Naphthalene			<5	<5		
Lead			na	**29**		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-22			6/22/09	2/25/1	/24/11	5/5/11
DTW			48.02	47.	nm	nm
Benzene			<1		ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			<1	<1		
Naphthalene			<5	<5		
Lead			na	**15**		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-23			6/22/09	2/25/11	3/24/11	5/5/11
DTW			48.52	48.38	nm	nm
Benzene			<1	**46**	ns	ns
Toluene			<1	5		
Ethylbenzene			<1	40		
Xylenes			<3	<3		
MTBE			<1	**140**		
Naphthalene			<5	**73**		
Lead			na	11		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	120		
TAME			na	<10		
TBA			na	360		

MW-24			6/22/09	2/25/11	3/24/11	5/5/11
DTW			48.43	48.32	nm	nm
Benzene			**233**	**38**	ns	ns
Toluene			195	63		
Ethylbenzene			**1040**	460		
Xylenes			2990	760		
MTBE			19	<1		
Naphthalene			**312**	**200**		
Lead			na	11		
DCA			**<20**	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-25			6/22/09	2/25/11	3/24/11	5/5/11
DTW			46.31	46.31	nm	nm
Benzene			**299**	**300**	ns	ns
Toluene			66	17		
Ethylbenzene			635	420		
Xylenes			1260	560		
MTBE			**103**	**250**		
Naphthalene			**226**	**190**		
Lead			na	2		
DCA			**<10**	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	**290**		
TAME			na	<10		
TBA			na	530		

MW-26			6/22/09	2/25/11	3/24/11	5/5/11
DTW			43.96	44.06	nm	nm
Benzene			**399**	**2300**	ns	ns
Toluene			119	63		
Ethylbenzene			335	**1700**		
Xylenes			1160	2600		
MTBE			**156**	**520**		
Naphthalene			**165**	**490**		
Lead			na	**30**		
DCA			**<10**	<1		
EDB			<0.01	<0.02		
DIPE			na	58		
TAA			na	**2300**		
TAME			na	48		
TBA			na	**2100**		

MW-27			6/22/09	2/25/1	3/24/11	5/5/11
DTW			46.59	45.	nm	nm
Benzene			**500**	**5**	ns	ns
Toluene			13	50		
Ethylbenzene			261	**1400**		
Xylenes			97	660		
MTBE			**1060**	28		
Naphthalene			**61**	**550**		
Lead			na	**37**		
DCA			**<10**	**<1**		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-28			6/22/09	2/25/11	3/24/11	5/5/11
DTW			48.87	48.28	nm	nm
Benzene			<1	<1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			1	**54**		
Naphthalene			4	6		
Lead			na	**20**		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-29			6/22/09	2/25/11	3/24/11	5/5/11
DTW			46.43	46.96	nm	nm
Benzene			**14**	**<20**	ns	ns
Toluene			11	53		
Ethylbenzene			65	120		
Xylenes			302	270		
MTBE			**44**	<20		
Naphthalene			**29**	**<100**		
Lead			na	6		
DCA			4	**<20**		
EDB			<0.01	<0.02		
DIPE			na	**<200**		
TAA			na	**<2000**		
TAME			na	**<200**		
TBA			na	**<2000**		

MW-30			6/22/09	2/25/11	3/24/11	5/5/11
DTW			40.72	39.18	nm	nm
Benzene			3	2	ns	ns
Toluene			<1	<1		
Ethylbenzene			1	<1		
Xylenes			<3	<3		
MTBE			31	6		
Naphthalene			<5	<5		
Lead			na	<1		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-31			6/22/09	2/25/11	3/24/11	5/5/11
DTW			32.82	31.98	nm	nm
Benzene			<1	<1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			<1	<1		
Naphthalene			<5	<5		
Lead			na	8		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-32			6/22/09	2/25/	/24/11	5/5/11
DTW			34.86	33.	nm	nm
Benzene			<1		ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			<1	<1		
Naphthalene			<5	<5		
Lead			na	12		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-33			6/22/09	2/25/11	3/24/11	5/5/11
DTW			36.67	35.39	nm	nm
Benzene			<1	<1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	5		
Xylenes			<3	8		
MTBE			<1	<1		
Naphthalene			<5	15		
Lead			na	**32**		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-34			6/22/09	2/25/11	3/24/11	5/5/11
DTW			39.61	38.27	nm	nm
Benzene			<1	<1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			<1	<1		
Naphthalene			<5	<5		
Lead			na	**35**		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-35			6/22/09	2/25/11	3/24/11	5/5/11
DTW			40.48	39.17	nm	nm
Benzene			<1	<1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			<1	<1		
Naphthalene			<5	<5		
Lead			na	**23**		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-36			6/22/09	2/25/11	3/24/11	5/5/11
DTW			40.42	39.28	nm	nm
Benzene			<1	<1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			<1	<1		
Naphthalene			<5	<5		
Lead			na	4		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-37			6/22/09	2/25/	3/24/11	5/5/11
DTW			35.92	34	nm	nm
Benzene			<1		ns	ns
Toluehe			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			<1	<1		
Naphthalene			<5	<5		
Lead			na	**25**		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-38			6/22/09	2/25/11	3/24/11	5/5/11
DTW			34.61	33.69	nm	nm
Benzene			<1	<1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			<1	<1		
Naphthalene			<5	<5		
Lead			na	11		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

MW-39				2/25/11	3/24/11	5/5/11
DTW				48.39	nm	nm
Benzene				1	ns	ns
Toluene				<1		
Ethylbenzene				<1		
Xylenes				<3		
MTBE				5		
Naphthalene				<5		
Lead				**20**		
DCA				<1		
EDB				<0.02		
DIPE				<10		
TAA				<100		
TAME				<10		
TBA				<100		

MW-40				2/25/11	3/24/11	5/5/11
DTW				14.64	nm	nm
Benzene				<1	ns	ns
Toluene				<1		
Ethylbenzene				<1		
Xylenes				<3		
MTBE				<1		
Naphthalene				<5		
Lead				**50**		
DCA				<1		
EDB				<0.02		
DIPE				<10		
TAA				<100		
TAME				<10		
TBA				<100		

MW-41					3/24/11	5/5/11
DTW					46.40	nm
Benzene					**81**	ns
Toluene					<5	
Ethylbenzene					<5	
Xylenes					<5	
MTBE					**94**	
Naphthalene					6	
Lead					**24**	
DCA					<5	
EDB					<0.02	
DIPE					<10	
TAA					<100	
TAME					<10	
TBA					250	

MW-42				2/25/	3/24/11	5/5/11
DTW				9	nm	nm
Benzene					ns	ns
Toluene				<1		
Ethylbenzene				<1		
Xylenes				<3		
MTBE				<1		
Naphthalene				<5		
Lead				11		
DCA				<1		
EDB				<0.02		
DIPE				<10		
TAA				<100		
TAME				<10		
TBA				<100		

MW-43					3/24/11	5/5/11
DTW					43.89	nm
Benzene					<5	ns
Toluene					<5	
Ethylbenzene					<5	
Xylenes					<5	
MTBE					<5	
Naphthalene					<5	
Lead					12	
DCA					<5	
EDB					<0.02	
DIPE					<10	
TAA					<100	
TAME					<10	
TBA					<100	

MW-44				2/25/11	3/24/11	5/5/11
DTW				45.36	nm	nm
Benzene				<1	ns	ns
Toluene				<1		
Ethylbenzene				<1		
Xylenes				<3		
MTBE				<1		
Naphthalene				<5		
Lead				**23**		
DCA				<5		
EDB				<0.02		
DIPE				<10		
TAA				<100		
TAME				<10		
TBA				<100		

MW-45				2/25/11	3/24/11	5/5/11
DTW				46.19	nm	nm
Benzene				<1	ns	ns
Toluene				<1		
Ethylbenzene				<1		
Xylenes				<3		
MTBE				1		
Naphthalene				<5		
Lead				**31**		
DCA				<5		
EDB				<0.02		
DIPE				<10		
TAA				<100		
TAME				<10		
TBA				<100		

MW-46				2/25/11	3/24/11	5/5/11
DTW				44.75	nm	nm
Benzene				<1	ns	ns
Toluene				<1		
Ethylbenzene				<1		
Xylenes				<3		
MTBE				<1		
Naphthalene				<5		
Lead				5		
DCA				<5		
EDB				<0.02		
DIPE				<10		
TAA				<100		
TAME				<10		
TBA				<100		

MW-47				2/25/	3/24/11	5/5/11
DTW				36	nm	nm
Benzene					ns	ns
Toluene				<1		
Ethylbenzene				<1		
Xylenes				<3		
MTBE				<1		
Naphthalene				<5		
Lead				3		
DCA				<5		
EDB				<0.02		
DIPE				<10		
TAA				<100		
TAME				<10		
TBA				<100		

MW-48				2/25/11	3/24/11	5/5/11
DTW				4.01	nm	nm
Benzene				<1	ns	ns
Toluene				<1		
Ethylbenzene				<1		
Xylenes				<3		
MTBE				<1		
Naphthalene				<5		
Lead				**144**		
DCA				<5		
EDB				<0.02		
DIPE				<10		
TAA				<100		
TAME				<10		
TBA				<100		

DW-1		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW		47.91	nm	45.34	nm	nm
Benzene		2	ns	3	ns	ns
Toluene		1		<1		
Ethylbenzene		<1		<1		
Xylenes		<3		<3		
MTBE		**47**		**330**		
Naphthalene		<5		<5		
Lead		<1		<1		
DCA		<1		<1		
EDB		<0.01		<0.02		
DIPE		2		<10		
TAA		<20		<100		
TAME		7		<10		
TBA		43		<100		

DW-2		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW		44.15	nm	41.68	nm	nm
Benzene		3	ns	<1	ns	ns
Toluene		<1		<1		
Ethylbenzene		<1		<1		
Xylenes		<3		<3		
MTBE		**51**		26		
Naphthalene		<5		8		
Lead		**15**		1		
DCA		<1		<1		
EDB		<0.01		<0.02		
DIPE		2		<10		
TAA		<20		<100		
TAME		7		<10		
TBA		15		<100		

DW-3		2/17/09	6/22/09	2/25/11	3/24/11	5/5/11
DTW		42.12	nm	40.06	nm	nm
Benzene		**7**	ns	**5**	ns	ns
Toluene		2		3		
Ethylbenzene		<2		<1		
Xylenes		<6		<3		
MTBE		**279**		**310**		
Naphthalene		<10		<5		
Lead		**<75**		4		
DCA		3		<1		
EDB		<0.01		<0.02		
DIPE		14		<10		
TAA		77		<100		
TAME		16		<10		
TBA		43		<100		

DW-5			6/22/09	2/25/	3/24/11	5/5/11
DTW			45.55	6	nm	nm
Benzene			2		ns	ns
Toluene			1	<1		
Ethylbenzene			2	<1		
Xylenes			1	<3		
MTBE			2	<1		
Naphthalene			<5	<5		
Lead			na	<1		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

DW-6			6/22/09	2/25/11	3/24/11	5/5/11
DTW			63.39	49.98	nm	nm
Benzene			<1	<1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			<1	<1		
Naphthalene			<5	<5		
Lead			na	14		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

DW-7			6/22/09	2/25/11	3/24/11	5/5/11
DTW			113.41	46.27	nm	nm
Benzene			<1	<5	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			<1	3		
Naphthalene			<5	<5		
Lead			na	3		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

DW-9			6/22/09	2/25/11	3/24/11	5/5/11
DTW			37.64	36.34	nm	nm
Benzene			<1	<1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			1	2		
Naphthalene			<5	<5		
Lead			na	4		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

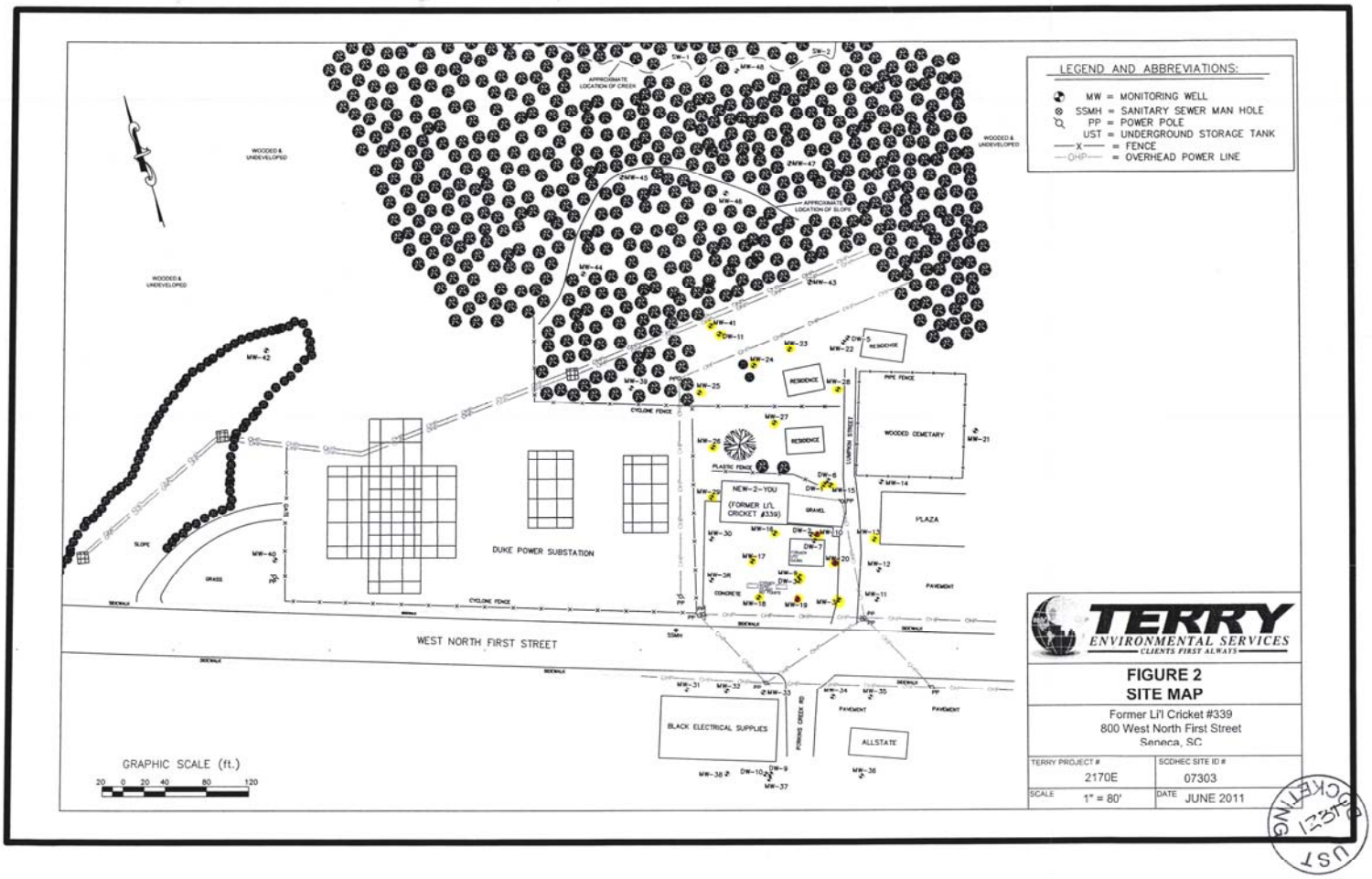
DW-10			6/22/09	2/25/11	3/24/11	5/5/11
DTW			37.84	36.86	nm	nm
Benzene			<1	1	ns	ns
Toluene			<1	<1		
Ethylbenzene			<1	<1		
Xylenes			<3	<3		
MTBE			1	<1		
Naphthalene			<5	<5		
Lead			na	3		
DCA			<1	<1		
EDB			<0.01	<0.02		
DIPE			na	<10		
TAA			na	<100		
TAME			na	<10		
TBA			na	<100		

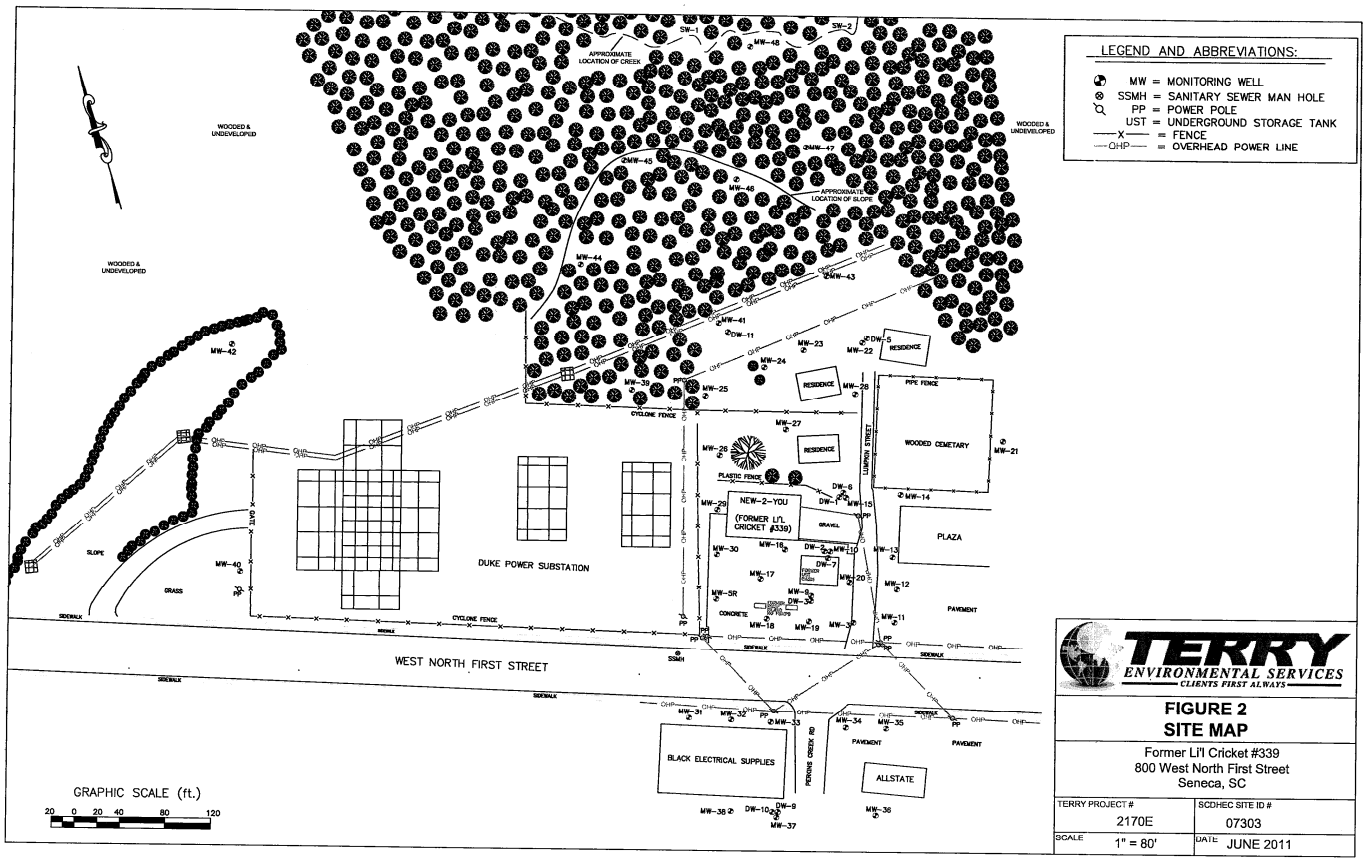
DW-11						5/5/11
DTW						46.10
Benzene						**13**
Toluene						<1
Ethylbenzene						<1
Xylenes						<3
MTBE						**670**
Naphthalene						<5
Lead						<1
DCA						<5
EDB						<0.02
DIPE						17
TAA						**710**
TAME						11
TBA						**1400**

SW-1						5/5/11
DTW						
Benzene						<1
Toluene						<1
Ethylbenzene						<1
Xylenes						<3
MTBE						8
Naphthalene						<5
Lead						na
DCA						na
EDB						na
DIPE						na
TAA						na
TAME						na
TBA						na

SW-2						5/5/11
DTW						
Benzene						<1
Toluene						<1
Ethylbenzene						<1
Xylenes						<3
MTBE						<1
Naphthalene						<5
Lead						na
DCA						na
EDB						na
DIPE						na
TAA						na
TAME						na
TBA						na

nm- not measured
ns- not sampled
na- not analyzed
nd- not detected
FP- free-phase product


LEGEND AND ABBREVIATIONS:
MW = MONITORING WELL
SSMH = SANITARY SEWER MAN HOLE
PP = POWER POLE
UST = UNDERGROUND STORAGE TANK
X = FENCE
OHP = OVERHEAD POWER LINE
WOODED & UNDEVELOPED
APPROXIMATE LOCATION OF CREEK
APPROXIMATE LOCATION OF SLOPE
RESIDENCE
PIPE FENCE
WOODED CEMETARY
LUMPKIN STREET
NEW-2-YOU (FORMER LI'L CRICKET #339)
GRAVEL
PLAZA
PAVEMENT
CONCRETE
PLASTIC FENCE
CYCLONE FENCE
SLOPE
GRASS
DUKE POWER SUBSTATION
WEST NORTH FIRST STREET
SIDEWALK
SSMH
PP
FORKS CREEK RD
BLACK ELECTRICAL SUPPLIES
ALLSTATE
GRAPHIC SCALE (ft.)
20 0 20 40 80 120
TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS
FIGURE 2
SITE MAP
Former Li'l Cricket #339
800 West North First Street
Seneca, SC
TERRY PROJECT # 2170E
SCDHEC SITE ID # 07303
SCALE 1" = 80'
DATE JUNE 2011
RECEIVED
UST

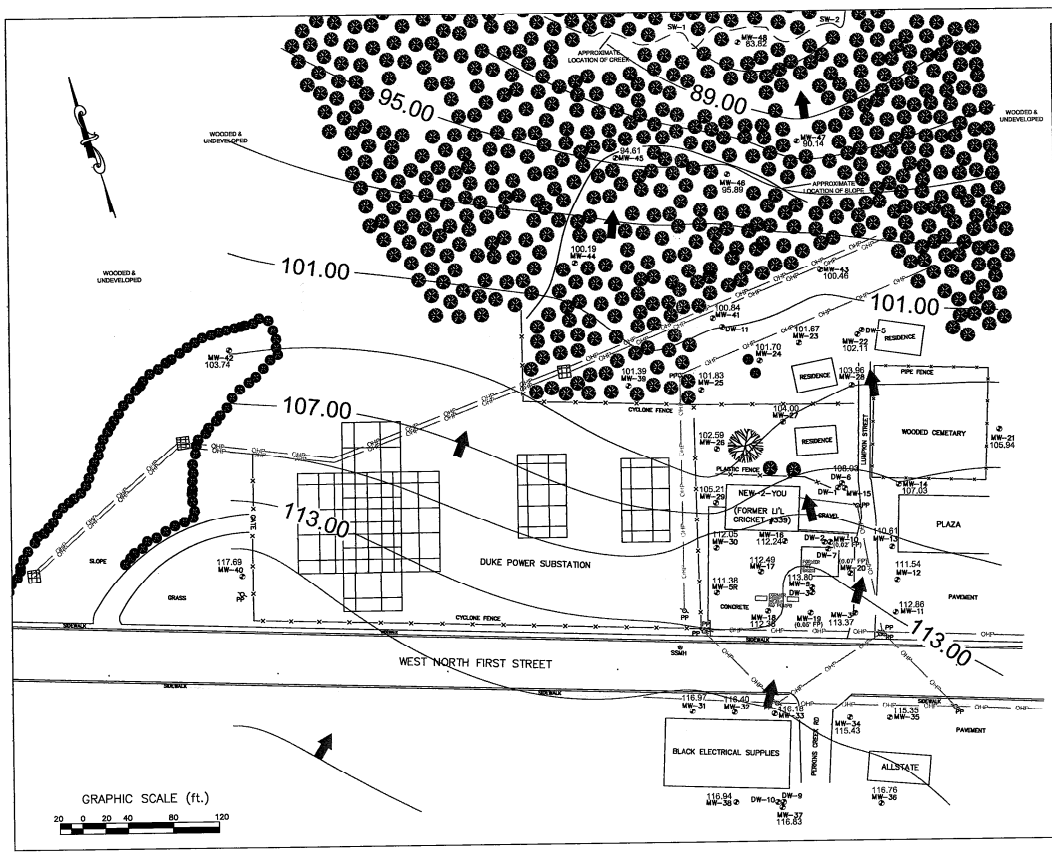


TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

FIGURE 2
SITE MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170E	07303
SCALE 1" = 80'	DATE JUNE 2011



TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

FIGURE 8
GROUNDWATER CONTOUR MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170E	07303
SCALE 1" = 80'	DATE JUNE 2011

dhec
Healthy People. Healthy Communities.

JAN 1 5 2019

UST 123 DOCKETING

LIL CRICKET FOOD STORES
1410 COMMONWEALTH DR STE 202
WILMINGTON NC 28403

Re: Site-Specific Work Plan (SSWP) Approval and Groundwater Sampling Notice to Proceed (NTP)
Lil Cricket 339, 800 N W First St, Seneca, SC
UST Permit #07303; CA #56238
Release Reported April 27, 1989
SSWP and cost proposal received March 2, 2018
Oconee County

To Whom it May Concern:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed and approved the referenced SSWP submitted by your contractor. All work should be conducted in accordance with the most recent revision of the UST Quality Assurance Program Plan (QAPP), your contractor's Annual Contractor Quality Assurance Plan (ACQAP), and in compliance with all applicable regulations. A copy of the current revision of the UST QAPP is available at http://www.scdhec.gov/Environment/LW/UST/ReleaseAssessmentClean-up/QualityAssurance/

The groundwater sampling event should begin immediately upon receipt of this letter. The Cost agreement number shown above has been approved for the amount shown on the enclosed cost agreement form.

The Contractor must provide the UST Project Manager with a Project Status Report on a weekly basis via e-mail or notify the UST Project Manager via email 4 days prior to initiation of any site rehabilitation activities. If there are any changes or conflicts with the date(s) of site activities, the UST Project Manager must be contacted within 24 hours of those changes.

The Monitoring report, contractor checklist (QAPP Appendix K), and invoice should be submitted to the Division within sixty (60) days of the date of this correspondence. The report submitted at the completion of these activities should include the required information outlined in the UST QAPP.

Your contractor can submit an invoice for direct payment from the State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. By law, the SUPERB Account cannot compensate any costs that are not pre-approved. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

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 Division is obtained. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be pre-approved by the Division for the cost to be paid. The Division 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, the Division reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

Please note that applicable South Carolina certification requirements regarding laboratory services, well installation, and report preparation must be satisfied. Any site rehabilitation activity associated with the UST release must be performed by an DHEC-certified site rehabilitation contractor as required by R.61-98.

The Division 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 Chemical of Concern (CoC) concentrations based on laboratory analysis is 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.

On all correspondence regarding this site, please reference UST Permit #07303. Should you have any questions regarding this correspondence, please feel free to contact me by phone at (803) 898-2832, by fax at (803) 898-0673, or by e-mail at ageebd@dhec.sc.gov.

Sincerely,

Bryan Agee, Hydrogeologist
Corrective Action & Field Support Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

enc: Approved Cost Agreement (ACA)

cc: Terry Environmental Services Inc, PO Box 25, Summerville, SC 29484 (w/enc.)
Technical file (with enc.)

Approved Cost Agreement 56238

Facility: 07303 LIL CRICKET 339

AGEEBD

PO Number:

Task / Description	Categories	Item Description	Qty / Pct	Unit Price	Amount
01 PLAN					
		A1 SITE SPECIFIC WORK PLAN	1.0000	$150.000	150.00
04 MOB/DEMOB					
		B1 PERSONNEL	2.0000	$423.000	846.00
10 SAMPLE COLLECTION					
		A1 GROUNDWATER (PURGE)	9.0000	$60.000	540.00
		D1 GROUNDWATER NO PURGE/DUPLICATE	52.0000	$28.000	1,456.00
		H1 FIELD BLANK	3.0000	$24.600	73.80
11 ANALYSES					
	GW GROUNDWATER	A2 BTEXNM+OXYGS+1,2-DCA+ETH-8260B	67.0000	$122.000	8,174.00
		F1 EDB BY 8011	64.0000	$45.200	2,892.80
17 DISPOSAL					
		AA WASTEWATER	110.0000	$0.560	61.60
19 RPT/PROJECT MNGT & COORDINATIO					
		PRT REPORT PREPARATION	0.1200	$14,194.200	1,703 30
				Total Amount	15,897.50

Document Receipt Information

☐ Hard Copy ■ CD ☐ Email

Date Received 3-22-19

Permit Number 07303

Project Manager Bryan Agee

Name of Contractor TES

UST Certification Number _____

Docket Number 1244Tech

Scanned _____

GWM

GROUNDWATER MONITORING REPORT
FORMER LI'L CRICKET #339
800 WEST NORTH FIRST STREET
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
CA #56238

Prepared For:

SCDHEC UNDERGROUND STORAGE TANK PROGRAM
2600 BULL ST.
COLUMBIA, SC 29201

Submitted By:

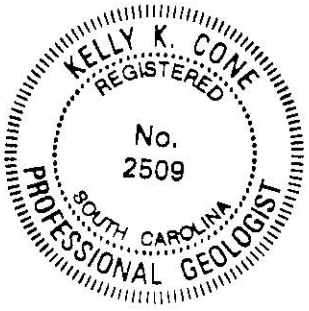
TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. BOX 25
SUMMERVILLE, SOUTH CAROLINA 29484
(843) 873-8200
Fax (843) 225-3472
www.terryenvironmental.com

UST CONTRACTOR #UCC-0223
TERRY PROJECT #2170Q

Kelly K. Cone, PG
Vice President, Assessment Services

Jason A. Terry, PG
President



MARCH 2019

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A. INTRODUCTION

1. UST Facility and Owner/Operator Information

Facility Name (Permit #):	Former Li'l Cricket #339 (07303)
Facility Address:	800 West North First Street, Seneca, South Carolina 29678
Facility Telephone:	n/a – Not Operating
Owner/ Operator Name:	Li'l Cricket Convenience Stores (Mr. Jim Zuber)
Owner/ Operator Address:	2010 Viburnum Lane, Asheville, NC 28803
Owner/ Operator Telephone:	910-512-9692

2. Property Owner Information

Name:	Thomas & Dorothy Glenn
Address:	800 West North First Street, Seneca, South Carolina 29678
Telephone:	864-710-8747

3. Contractor Information

Name:	Terry Environmental Services, Inc.
Address:	P.O. Box 25, Summerville, South Carolina 29484
Telephone:	843-873-8200
Certification:	UCC-0223

4. Well Driller Information

Not Applicable

5. Laboratory Information

Name:	Shealy Environmental Services Inc. (Shealy)
Address:	106 Vantage Point Drive, Columbia, SC 29172
Telephone:	803-791-9700
Certification:	32010

6. Site History

Date Release Reported to SCDHEC:	April 27, 1989
Estimated Quantity of Product Released:	Unknown
Cause of Release:	Unknown
Current use of Facility:	Commercial property

UST #	Product	Date Installed	Currently In Use (Yes or No)	If not in use, Date Removed
1 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
2 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
3 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
4 (4,000 gal)	Kerosene	Unknown	No	2/22/2000

Other Releases at this site?	Yes	No	**XXXX**
If yes, Date Release Reported to SCDHEC	n/a		
Status of Release:	**n/a**		
No Further Action Date:	n/a		

7. Regional Geology and Hydrogeology

The Former Li'l Cricket #339 site is located in Seneca, SC which lies in the Western Piedmont Province of South Carolina approximately 20 miles to the southeast of the Brevard fault zone. The western piedmont is comprised of the Inner Piedmont block, the Smith River allochthon, and the Sauratwon Mountain window. The Inner Piedmont block encompasses the Inner Piedmont belt and the Chauga belt, and consists of a composite stack of thrust sheets containing a variety of gneisses, schists, amphibolites, sparse ultramafic bodies, and intrusive granitoids. (The Geology of the Carolinas, Horton & Zullo, 1991)

The Former Li'l Cricket #339 site is located in the Inner Piedmont Belt which consists of sillimanite-grade regional metamorphism that decreases in grade to the northwest towards Pickens. Generally, wells drilled to depths less than 250 feet in the rocks of the Inner Piedmont Belt of Pickens County yield one-half to 500 gallons per minute. The highest average yields were obtained from wells drilled in biotite granite gneiss and the lowest average yields were from wells drilled in hornblende gneiss. The average yield of all wells inventoried was 21 gallons per minute. (USGS/SCWRC Report 1: A Reconnaissance of the Water Resources of Pickens County, South Carolina, 1968)

B. RECEPTOR SURVEY & SITE DATA

1. Receptor Survey Results

A receptor survey was not conducted during this scope of work.

2. Current Site and Adjacent Land Use

Description of current site use (commercial, residential, rural, etc.):
Commercial

Description of adjacent land use (commercial, residential, rural, etc):
Commercial, residential, and Duke Power substation

UST sites within a 1,000-foot radius:
Unknown

The site is located at 800 West North First Street in Seneca, South Carolina. The site is bordered to the north by residential property, to the east by commercial property, to the south by West North First Street, and to the west by a Duke Power substation. Further to the south across West North First Street are commercial properties. The general site location is shown on the Topographic Map provided in Section J as Figure 1. A detailed Site Base Map originating from a comprehensive survey completed by Jay S. Joshi (SC Registered Land Surveyor #14811) of Construction Support Services, Inc. on October 8, 2008 is provided in Appendix 1 as Figure 2.

3. Site-Specific Geology and Hydrogeology

Based on the Tier II Assessment reported in March 2009, the general soil profile onsite consists of mostly clayey silt and sandy silt. Partially weathered rock and/or bedrock were encountered at depths ranging from approximately 28 feet to 45 feet below ground surface (bgs). The Site Potentiometric Maps (Figures 5A and 5B, Section J) indicate that shallow groundwater flow is generally to the north and deep groundwater flow is generally to the north-northeast.

C. SOIL ASSESSMENT/FIELD SCREENING INFORMATION & METHODOLOGY

Not Applicable. No soil or groundwater borings were installed during this scope of work.

D. MONITORING WELL INFORMATION

Not Applicable. No monitoring wells were installed during this scope of work.

E. GROUNDWATER DATA

1. Groundwater Sampling Methodology

TERRY conducted a comprehensive sampling event at the site between February 11 and February 14, 2019. Just prior to the sampling event, the monitoring wells were gauged with an oil/water interface probe to determine depth to groundwater measurements and the presence or absence of free-phase petroleum. Water level was recorded to the nearest 0.01 foot and total well depth was recorded to the nearest 0.1 foot. Off-site monitoring well MW-44 could not be located due to heavy vegetation. Two surface water samples (SW-1 and SW-2) were also collected from the creek located in the wooded area to the north of the subject site.

Sampling was conducted from the least contaminated wells to the most contaminated wells based on the previous assessment data. A clean purge pump with new disposable tubing was utilized for purging the wells with large casing volumes and/or adequate recharge rates. Groundwater samples were collected from each monitoring well with a new disposable bailer. Bailers with new colorless nylon rope were slowly lowered into the top of the water column, allowed to fill, and slowly removed to minimize turbidity and disturbance of the volatile organic compounds (VOCs). The surface water samples were also collected with a new disposable bailer.

Trip blanks, field blanks, and field duplicates were prepared or collected in accordance with the SCDHEC UST QAPP, Revision 3.1. One trip blank was shipped with each cooler and analyzed for VOCs. One field blank was collected for each day of sampling and analyzed for VOCs and 1,2 Dibromoethane (EDB). One field duplicate was collected for each batch of twenty samples and analyzed for VOCs and EDB.

Samples were immediately packed in a cooler of ice and proper temperatures were maintained in accordance with the SCDHEC UST QAPP, Revision 3.1 and the site-specific Addendum. At the completion of the sampling event, the samples were submitted to a SCDHEC certified laboratory for analyses. The samples were analyzed for Benzene, Toluene, Ethylbenzene, Xylenes, Naphthalene, Methyl tertiary butyl ether, 1,2-Dichloroethane, Oxygenates, Ethanol, and EDB.

Field conditions were documented throughout the sampling event. All field measurement equipment was properly cleaned and decontaminated before use, between each well, and prior to site departure in accordance with "Appendix H: Standard Field Cleaning Procedures" of the SCDHEC UST QAPP, Revision 3.1. By-products were initially stored onsite in a 55 gallon drum and transported to US Water Recovery for disposal and the disposal Manifest is provided in Appendix G. The field measurement equipment was properly calibrated prior to the sampling event and verified after four (4) hours of use and at the completion of the event. The calibration and verification data for the sampling event is provided in Appendix B.

Depth to groundwater measurements were taken with reference to the top of well casing (TOC) and converted to elevations by subtracting the depth to groundwater measurements from the TOC elevations. Potentiometric data are provided in Section I as Table 2 and on the Groundwater Sampling Logs provided in Appendix B. The groundwater measurements collected during the sampling event for the no-purge wells are provided as follows:

SECTION E -1
GROUNDWATER MEASUREMENTS (NO PURGE SAMPLING)
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303

Well	Date	pH	Specific Conductance	Water Temperature	Turbity	Dissolved Oxygen
Units	--	su	mS/cm	°C	NTU	mg/L
07303-MW3	2/12/2019	5.94	0.049	17.4	1.0	2.77
07303-MW10	2/13/2019	Free Product (0.01 ft)				
07303-MW12	2/12/2019	6.84	0.105	18.0	30.3	3.46
07303-MW13	2/12/2019	6.68	0.169	17.5	3.7	2.97
07303-MW14	2/12/2019	6.14	0.093	17.3	3.5	4.51
07303-MW15	2/14/2019	6.45	0.155	17.4	57.1	4.36
07303-MW19	2/13/2019	Free Product (0.01 ft)				
07303-MW20	2/13/2019	6.94	0.201	19.8	25.5	8.06
07303-MW21	2/12/2019	7.84	0.068	15.8	21.3	5.17
07303-MW22	2/13/2019	5.64	0.192	16.8	9.9	5.68
07303-MW23	2/14/2019	5.94	0.237	18.7	1.3	4.96
07303-MW24	2/14/2019	6.56	0.229	18.3	41.5	3.18
07303-MW25	2/14/2019	6.05	0.073	18.9	8.0	4.98
07303-MW26	2/14/2019	6.06	0.095	18.4	46.4	5.45
07303-MW27	2/14/2019	6.59	0.370	17.9	23.5	1.42
07303-MW28	2/12/2019	6.27	0.100	15.2	1.4	4.12
07303-MW29	2/13/2019	7.94	0.189	17.7	5.6	4.10
07303-MW31	2/11/2019	8.02	0.114	16.7	9.3	5.25
07303-MW32	2/11/2019	6.84	0.077	17.5	7.3	4.73
07303-MW33	2/11/2019	6.35	0.060	17.4	60.1	4.75
07303-MW34	2/11/2019	6.04	0.050	18.5	46.8	5.07
07303-MW35	2/11/2019	6.02	0.174	18.2	8.0	5.61
07303-MW36	2/11/2019	5.75	0.041	17.6	47.9	5.06
07303-MW37	2/11/2019	5.97	0.085	16.7	491	8.33
07303-MW39	2/13/2019	5.58	0.057	16.9	62.0	9.98
07303-MW40	2/12/2019	5.99	0.213	15.0	1.1	4.85
07303-MW41	2/12/2019	6.58	0.122	15.8	2.2	4.83
07303-MW42	2/14/2019	5.31	0.203	8.7	10.1	7.46
07303-MW43	2/12/2019	6.23	0.100	15.3	11.7	5.51

07303-MW44	2/14/2019	Could Not Find				
07303-MW45	2/13/2019	5.47	0.039	15.3	92.7	6.91
07303-MW46	2/13/2019	4.91	0.029	14.3	42.9	9.04
07303-MW47	2/13/2019	5.09	0.021	16.2	75.1	6.71
07303-MW48	2/13/2019	5.64	0.033	14.3	90.1	5.45
07303-RW1	2/13/2019	Free Product (0.07 ft)				
07303-RW2	2/13/2019	7.30	0.441	19.7	15.8	8.11
07303-RW3	2/13/2019	6.73	0.436	20.1	24.2	9.27
07303-RW4	2/12/2019	6.29	0.252	17.2	1.4	1.65
07303-RW5	2/13/2019	7.35	0.357	20.1	29.3	8.22

NOTES/KEY:
su = standard unit
mS/cm = milliSiemens per centimeter
NTU = nephelometric turbity units
mg/L = milligrams per liter

2. Purging Methodology

Purging was conducted from the least contaminated wells to the most contaminated wells based on the previous assessment data. Prior to purging, new plastic sheeting was placed on the ground surface around the well to prevent contamination of pumps, hoses, meters, etc. For monitoring wells with smaller casing volumes and/or slow recharge rates, a new disposable bailer was utilized for purging. When utilized, bailers with new colorless nylon rope were slowly lowered into the top of the water column, allowed to fill, and slowly removed to minimize turbidity and disturbance of the VOCs. When utilized, the purge pump was lowered approximately 3-5 feet into the standing water column and adjusted only if the pumping rate exceeded the recovery rate as drawdown occurred. In accordance with the SCDHEC UST QAPP, Revision 3.1, an adequate purge was achieved when pH, specific conductance, and temperature of the groundwater stabilized, and turbidity either stabilized or was below 10 nephelometric turbidity units (NTUs). The purge and decontamination water generated was initially stored onsite in a 55 gallon drum until analytical results were reported. The non-contaminated water generated was disposed onsite and poured onto a non-pervious surface in the source area. The contaminated water was transported to US Water Recovery for disposal and the disposal Manifest is provided in Appendix G.

If a well was pumped or purged dry, even with reduced purge rates, the well was considered adequately purged per the SCDHEC UST QAPP, Revision 3.1. The sample was collected immediately following sufficient recovery to fill all sampling containers. The groundwater measurements collected during the sampling event for the purged wells are provided as follows:

SECTION E -2 GROUNDWATER MEASUREMENTS (PURGE SAMPLING) FORMER LI'L CRICKET #339 SENECA, SOUTH CAROLINA SCDHEC UST PERMIT #07303							
07303-MW5R	**2/13/2019**						
Volume (gal)	Initial	5.5	11.0	16.5/Sample			
Time (military)	1347	1349	1352	1355			
pH (su)	8.11	8.18	8.22	8.25			
Spec Conductivity (mS/cm)	0.101	0.103	0.107	0.104			
Water Temperature (°C)	18.3	19.2	18.9	19.0			
Turbidity (NTU)	5.7	21.5	22.4	22.9			
Dissolved Oxygen (mg/L)	4.75	8.34	8.39	8.47			
07303-MW9	**2/13/2019**						
Volume (gal)	Initial	3	6	9	12/Sample		
Time (military)	1431	1433	1436	1438	1440		
pH (su)	6.83	7.48	7.39	7.38	7.42		
Spec Conductivity (mS/cm)	0.163	0.361	0.679	0.688	0.691		
Water Temperature (°C)	18.9	19.8	19.4	19.7	19.4		
Turbidity (NTU)	26.3	73.0	492	489	495		
Dissolved Oxygen (mg/L)	2.70	1.62	1.74	1.70	1.73		
07303-MW11	**2/12/2019**						
Volume (gal)	Initial	1.75	3.5	5.25/Sample			
Time (military)	0950	0953	0957	1000			
pH (su)	7.64	7.11	7.02	7.01			
Spec Conductivity (mS/cm)	0.135	0.100	0.097	0.095			
Water Temperature (°C)	17.2	17.5	17.9	17.6			
Turbidity (NTU)	15.1	493	481	477			
Dissolved Oxygen (mg/L)	4.68	4.25	4.21	4.19			
07303-MW16	**2/13/2019**						
Volume (gal)	Initial	2.5	5.0	7.5/Sample			
Time (military)	1416	1419	1422	1425			
pH (su)	6.96	6.88	6.91	6.96			
Spec Conductivity (mS/cm)	0.141	0.129	0.133	0.137			
Water Temperature (°C)	20.3	19.1	19.3	18.9			
Turbidity (NTU)	5.1	56.2	58.1	60.2			
Dissolved Oxygen (mg/L)	8.50	2.23	2.28	2.32			
07303-MW17	**2/12/2019**						
Volume (gal)	Initial	3.25	6.5	9.25/Sample			
Time (military)	1122	1125	1128	1130			
pH (su)	6.58	6.43	6.27	6.35			
Spec Conductivity (mS/cm)	0.245	0.138	0.134	0.135			
Water Temperature (°C)	18.6	17.9	18.0	18.0			
Turbidity (NTU)	2.9	6.5	9.5	13.3			
Dissolved Oxygen (mg/L)	1.90	1.83	2.01	1.91			
07303-MW18	**2/12/2019**						
Volume (gal)	Initial	2.5	5.0	7.5/Sample			
Time (military)	0952	0954	0957	0959			
pH (su)	6.18	6.22	6.15	6.17			
Spec Conductivity (mS/cm)	0.285	0.246	0.238	0.236			
Water Temperature (°C)	18.4	18.4	18.4	17.9			
Turbidity (NTU)	4.8	25.3	25.0	24.1			
Dissolved Oxygen (mg/L)	1.76	1.48	1.65	1.82			
07303-MW30	**2/13/2019**						
Volume (gal)	Initial	4.25	8.5	12.75/Sample			
Time (military)	1445	1448	1452	1455			
pH (su)	6.79	6.93	7.01	7.11			
Spec Conductivity (mS/cm)	0.116	0.131	0.139	0.140			
Water Temperature (°C)	18.9	19.7	19.8	18.9			
Turbidity (NTU)	11.7	109	112	119			
Dissolved Oxygen (mg/L)	3.04	8.35	8.21	8.13			

07303-MW38	2/11/2019						
Volume (gal)	Initial	2.75	5.5	8.25/Sample			
Time (military)	1600	1605	1611	1617			
pH (su)	7.05	6.88	6.81	6.73			
Spec Conductivity (mS/cm)	0.107	0.086	0.086	0.080			
Water Temperature (°C)	17.9	17.9	17.7	17.7			
Turbidity (NTU)	48.2	491	494	497			
Dissolved Oxygen (mg/L)	5.00	5.65	5.50	5.53			
07303-DW1	**2/12/2019**						
Volume (gal)	Initial	6.25	12.5	18.75/Sample			
Time (military)	1312	1316	1320	1323			
pH (su)	8.52	7.67	7.71	7.68			
Spec Conductivity (mS/cm)	0.211	0.202	0.208	0.201			
Water Temperature (°C)	15.7	17.0	17.2	17.0			
Turbidity (NTU)	3.2	1.4	1.3	1.0			
Dissolved Oxygen (mg/L)	1.56	1.57	1.66	1.69			
07303-DW2	**2/12/2019**						
Volume (gal)	Initial	7	14	21/Sample			
Time (military)	1035	1040	1046	1051			
pH (su)	7.08	6.94	6.86	6.77			
Spec Conductivity (mS/cm)	0.337	0.216	0.208	0.201			
Water Temperature (°C)	16.8	17.5	17.3	17.9			
Turbidity (NTU)	215	3.2	3.0	2.7			
Dissolved Oxygen (mg/L)	1.82	1.65	1.72	1.72			
07303-DW3	**2/13/2019**						
Volume (gal)	Initial	8	16	24	32	40/Sample	
Time (military)	1244	1251	1256	1302	1308	1315	
pH (su)	12.89	11.06	8.36	6.89	7.53	7.41	
Spec Conductivity (mS/cm)	0.947	0.283	0.197	0.198	0.183	0.194	
Water Temperature (°C)	18.0	19.1	19.2	19.0	19.0	19.5	
Turbidity (NTU)	22.6	10.7	2.8	10.4	2.3	5.0	
Dissolved Oxygen (mg/L)	8.72	3.40	8.77	5.69	6.58	4.58	
07303-DW5	**2/13/2019**						
Volume (gal)	Initial	3	3.25/Dry/Sample				
Time (military)	1206	1217	1237				
pH (su)	13.07	13.55	13.12				
Spec Conductivity (mS/cm)	4.74	5.19	4.91				
Water Temperature (°C)	15.9	16.8	17.4				
Turbidity (NTU)	83.1	58.9	497				
Dissolved Oxygen (mg/L)	9.28	9.15	5.70				
07303-DW6	**2/12/2019**						
Volume (gal)	Initial	14	14.25/Dry/Sample				
Time (military)	1215	1225	1255				
pH (su)	8.56	9.39	9.25				
Spec Conductivity (mS/cm)	0.452	0.393	0.390				
Water Temperature (°C)	16.3	16.9	16.5				
Turbidity (NTU)	3.1	6.4	7.4				
Dissolved Oxygen (mg/L)	2.64	1.12	1.26				
07303-DW7	**2/12/2019**						
Volume (gal)	Initial	12	12.25/Dry/Sample				
Time (military)	0901	0915	0945				
pH (su)	9.30	9.78	9.74				
Spec Conductivity (mS/cm)	2.83	3.08	3.10				
Water Temperature (°C)	16.6	16.4	16.2				
Turbidity (NTU)	11.9	19.5	20.1				
Dissolved Oxygen (mg/L)	3.09	2.24	2.22				
07303-DW9	**2/11/2019**						
Volume (gal)	Initial	8	16	24	32/Sample		
Time (military)	1629	1635	1642	1648	1655		
pH (su)	8.78	7.87	7.46	7.36	7.28		
Spec Conductivity (mS/cm)	0.084	0.133	0.141	0.139	0.139		
Water Temperature (°C)	15.5	15.9	16.8	17.0	17.1		
Turbidity (NTU)	1.4	2.1	0.8	1.2	0.9		
Dissolved Oxygen (mg/L)	1.76	4.73	4.34	4.21	4.10		

07303-DW10	**2/11/2019**						
Volume (gal)	Initial	12	12.25/Dry/Sample				
Time (military)	1726	1745	1815				
pH (su)	10.06	10.16	10.29				
Spec Conductivity (mS/cm)	1.85	1.89	2.09				
Water Temperature (°C)	16.4	18.1	18.0				
Turbidity (NTU)	4.1	46.7	25.5				
Dissolved Oxygen (mg/L)	1.45	2.00	1.94				
07303-DW11	**2/14/2019**						
Volume (gal)	Initial	5.75	11.5	17.25/Sample	Duplicate (DUP)		
Time (military)	0854	0859	0902	0906	0908		
pH (su)	6.88	6.88	6.90	6.95			
Spec Conductivity (mS/cm)	0.279	0.234	0.230	0.221			
Water Temperature (°C)	12.4	15.3	15.9	16.2			
Turbidity (NTU)	142	42.3	41.1	39.8			
Dissolved Oxygen (mg/L)	10.05	2.52	2.50	2.54			

NOTES/KEY:
gal = gallons
unit
mS/cm = milliSiemens per centimeter
NTU = nephelometric turbity units

3. Free Product Measurements

Free-phase petroleum was measured in monitoring wells MW-10 (0.01 feet), MW-19 (0.01 feet) and RW-1 (0.07 feet) on February 13, 2019.

F. AFVR INFORMATION

Not Applicable. No Aggressive Fluid Vapor Recovery (AFVR) Events were performed during this scope of work.

G. GRANULATED ACTIVATED CARBON INSTALLATION

Not Applicable. No granulated activated carbon units were installed during this scope of work.

H. RESULTS & DISCUSSION

1. Assessment Results

During this scope of work, TERRY conducted a comprehensive groundwater sampling event between February 11 and February 14, 2019 in accordance with the SCDHEC UST QAPP, Revision 3.1 and the associated site-specific work plan submitted in February 2018. Off-site monitoring well MW-44 could not be located. Free-phase petroleum was measured in monitoring wells MW-10, MW-19, and RW-1.

The groundwater analytical data are summarized in Section I as Table 3, and are included in Appendix B. The analytical data were used to generate contaminant concentration maps for CoC's detected by the laboratory and are provided in Section J as Figures 4A and 4B. Based on the analytical data, groundwater contamination is present above Risked-Based Screening Levels (RBSLs) in the source area (MW-9, MW-10, MW-19, MW-20, RW-1, RW-2, RW-3, RW-4, and RW-5) and migrates in the direction of groundwater flow (MW-15 and MW-27). The plume is horizontally and vertically defined. The analytical data for the surface water sample (SW-1) indicate contamination is present well below the respective RBSLs. The sample collected from SW-2 did not show evidence of petroleum contamination.

The previously conducted AFVR events were successful at removing free phase product, recovering contaminant mass, and exposing the free product smear zone to vacuum. As such, it is recommended to conduct two additional 96-hour AFVR events on the monitoring/recovery well network in the source area; Event 1 on monitoring well MW-19 and RW-5 and Event 2 on recovery wells RW-1 and MW-10.

2. Aquifer Evaluation Results

Not Applicable

3. Fate & Transport Results

Not Applicable

4. Tier 1 Risk Evaluation

Not Applicable

5. Tier 2 Risk Evaluation

Not Applicable

I. TABLES

1. Soil Analytical Data

Table 1 Soil Analytical Data - Not Applicable

2. Potentiometric Data

Table 2 Groundwater Potentiometric Data - Attached

3. Laboratory Data

Table 3 Groundwater Laboratory Data - Attached

4. Aquifer Characteristics

Table 4 Aquifer Characteristics - Not Applicable

5. Site Conceptual Model

Table 5 Site Conceptual Model - Not Applicable

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170Q

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW3	10/1/2008	152.15	37-55	-	41.28	-	110.87
	2/16/2009			-	41.54	-	110.61
	6/22/2009			Not Sampled			
	2/25/2011			-	38.78	-	113.37
	4/29/2015			-	38.87	-	113.28
	4/5/2016			-	37.93	-	114.22
	2/2/2017			-	40.85	-	111.30
	2/12/2019			-	37.65	-	114.50
07303-MW5R	10/1/2008	150.01	50-60	-	59.55	-	90.46
	2/16/2009			-	53.20	-	96.81
	6/22/2009			Not Sampled			
	2/25/2011			-	38.63	-	111.38
	4/29/2015			-	31.40	-	118.61
	4/5/2016			-	38.34	-	111.67
	2/2/2017			-	40.54	-	109.47
	2/13/2019			-	27.15	-	122.86
07303-MW9	10/1/2008	150.85	45-55	-	40.81	-	110.04
	2/16/2009			-	40.44	-	110.41
	6/22/2009			Not Sampled			
	2/25/2011			-	37.05	-	113.80
	5/25/2011			-	37.33	-	113.52
	4/29/2015			-	37.79	-	113.06
	4/6/2016			-	35.44	-	115.41
	2/3/2017			-	39.24	-	111.61
	2/13/2019			-	36.40	-	114.45
07303-MW10	10/1/2008	152.07	42-52	43.62	43.95	**0.33**	108.12
	2/16/2009			43.83	43.93	**0.10**	108.14
	6/22/2009			Not Sampled			
	2/24/2011			41.47	41.49	**0.02**	110.58
	5/25/2011			40.94	40.97	**0.03**	111.10
	4/29/2015			-	41.36	-	110.71
	4/6/2016			-	39.69	-	112.38
	2/3/2017			43.17	43.31	**0.14**	108.76
	2/13/2019			40.32	40.33	**0.01**	111.74

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170Q

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW11	2/17/2009	153.51	40-50	-	43.31	-	110.20
	6/22/2009			Not Sampled			
	2/24/2011			-	40.65	-	112.86
	4/27/2015			-	40.65	-	112.86
	4/5/2016			-	38.69	-	114.82
	2/2/2017			-	42.62	-	110.89
	2/12/2019			-	39.72	-	113.79
07303-MW12	2/17/2009	154.40	40-50	-	45.39	-	109.01
	6/22/2009			Not Sampled			
	2/24/2011			-	42.86	-	111.54
	4/27/2015			-	42.80	-	111.60
	4/5/2016			-	40.95	-	113.45
	2/3/2017			-	44.73	-	109.67
	2/12/2019			-	41.91	-	112.49
07303-MW13	2/17/2009	153.54	40-50	-	45.34	-	108.20
	6/22/2009			Not Sampled			
	2/24/2011			-	42.93	-	110.61
	4/29/2015			-	42.77	-	110.77
	4/5/2016			-	40.07	-	113.47
	2/3/2017			-	44.72	-	108.82
	2/12/2019			-	41.90	-	111.64
07303-MW14	2/17/2009	154.32	45-55	-	49.58	-	104.74
	6/22/2009			Not Sampled			
	2/24/2011			-	47.29	-	107.03
	4/27/2015			-	46.98	-	107.34
	4/5/2016			-	44.85	-	109.47
	2/2/2017			-	50.11	-	104.21
	2/12/2019			-	45.96	-	108.36
07303-MW15	2/17/2009	152.67	40-50	-	47.05	-	105.62
	6/22/2009			Not Sampled			
	2/24/2011			-	44.64	-	108.03
	4/29/2015			-	44.35	-	108.32
	4/5/2016			-	41.80	-	110.87
	2/2/2017			-	46.48	-	106.19
	2/14/2019			-	42.55	-	110.12

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170Q

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW16	2/17/2009	151.33	40-55	-	42.08	-	109.25
	6/22/2009			Not Sampled			
	2/25/2011			-	39.09	-	112.24
	4/29/2015			-	38.45	-	112.88
	4/5/2016			-	35.36	-	115.97
	2/2/2017			-	40.22	-	111.11
	2/13/2019			-	37.06	-	114.27
07303-MW17	2/16/2009	150.78	40-55	-	41.43	-	109.35
	6/22/2009			Not Sampled			
	2/25/2011			-	38.29	-	112.49
	4/29/2015			-	37.72	-	113.06
	4/5/2016			-	34.31	-	116.47
	2/2/2017			-	40.05	-	110.73
	2/12/2019			-	35.45	-	115.33
07303-MW18	2/16/2009	150.31	35-50	-	40.90	-	109.41
	6/22/2009			Not Sampled			
	2/25/2011			-	37.93	-	112.38
	4/29/2015			-	37.25	-	113.06
	4/5/2016			-	33.85	-	116.46
	2/3/2017			-	39.41	-	110.90
	2/12/2019			-	34.70	-	115.61
07303-MW19	2/17/2009	150.78	38-53	-	40.33	-	110.45
	6/22/2009			Not Sampled			
	2/25/2011			***	37.32	**0.05**	113.46
	5/25/2011			36.53	37.28	**0.75**	113.50
	4/29/2015			-	37.35	-	113.43
	4/6/2016			35.23	35.28	**0.05**	115.50
	2/3/2017			-	39.40	-	111.38
	2/13/2019			35.89	35.90	**0.01**	114.88
07303-MW20	2/17/2009	152.08	35-50	-	43.12	-	108.96
	6/22/2009			Not Sampled			
	2/25/2011			40.25	40.32	**0.07**	111.76
	5/25/2011			39.74	39.76	**0.02**	112.32
	4/29/2015			-	40.39	-	111.69
	4/6/2016			-	38.61	-	113.47
	2/3/2017			-	42.33	-	109.75
	2/13/2019			-	39.34	-	112.74

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170Q

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW21	6/22/2009	154.55	40-55	-	49.56	-	104.99
	2/25/2011			-	48.61	-	105.94
	4/29/2015			-	48.36	-	106.19
	4/5/2016			-	46.51	-	108.04
	2/2/2017			-	49.05	-	105.50
	2/12/2019			-	47.55	-	107.00
07303-MW22	6/22/2009	149.85	40-55	-	48.02	-	101.83
	2/24/2011			-	47.74	-	102.11
	4/27/2015			-	47.05	-	102.80
	4/5/2016			-	44.66	-	105.19
	2/2/2017			-	49.53	-	100.32
	2/13/2019			-	45.50	-	104.35
07303-MW23	6/22/2009	150.05	40-55	-	48.52	-	101.53
	2/24/2011			-	48.38	-	101.67
	4/29/2015			Obstructed			
	4/5/2016			-	44.94	-	105.11
	2/2/2017			-	50.06	-	99.99
	2/14/2019			-	45.83	-	104.22
07303-MW24	6/22/2009	150.02	40-55	-	48.43	-	101.59
	2/24/2011			-	48.32	-	101.70
	4/28/2015			-	47.48	-	102.54
	4/6/2016			-	44.78	-	105.24
	2/2/2017			-	50.23	-	99.79
	2/14/2019			-	45.59	-	104.43
07303-MW25	6/22/2009	148.14	39-54	-	46.31	-	101.83
	2/24/2011			-	46.31	-	101.83
	4/28/2015			-	45.14	-	103.00
	4/5/2016			-	42.30	-	105.84
	2/2/2017			-	48.29	-	99.85
	2/14/2019			-	42.86	-	105.28
07303-MW26	6/22/2009	146.65	37-52	-	43.96	-	102.69
	2/24/2011			-	44.06	-	102.59
	4/29/2015			-	42.70	-	103.95
	4/6/2016			-	40.12	-	106.53
	2/2/2017			-	46.24	-	100.41
	2/14/2019			-	40.09	-	106.56

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170Q

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW27	6/22/2009	149.99	40-55	-	46.59	-	103.40
	2/24/2011			-	45.99	-	104.00
	4/29/2015			-	45.40	-	104.59
	4/6/2016			-	42.86	-	107.13
	2/2/2017			-	48.07	-	101.92
	2/14/2019			-	43.92	-	106.07
07303-MW28	6/22/2009	152.24	40-55	-	48.87	-	103.37
	2/24/2011			-	48.28	-	103.96
	4/29/2015			-	46.74	-	105.50
	4/5/2016			-	45.42	-	106.82
	2/2/2017			-	50.13	-	102.11
	2/12/2019			-	46.51	-	105.73
07303-MW29	6/22/2009	152.17	40-55	-	46.43	-	105.74
	2/25/2011			-	46.96	-	105.21
	4/29/2015			-	45.26	-	106.91
	4/5/2016			-	41.49	-	110.68
	2/2/2017			-	49.60	-	102.57
	2/13/2019			-	41.26	-	110.91
07303-MW30	6/22/2009	151.23	45-60	-	40.72	-	110.51
	2/25/2011			-	39.18	-	112.05
	4/29/2015			-	38.33	-	112.90
	4/5/2016			-	35.17	-	116.06
	2/2/2017			-	40.54	-	110.69
	2/13/2019			-	36.67	-	114.56
07303-MW31	6/22/2009	148.95	26-41	-	32.82	-	116.13
	2/25/2011			-	31.98	-	116.97
	4/28/2015			-	31.66	-	117.29
	4/4/2016			-	29.65	-	119.30
	2/1/2017			-	34.40	-	114.55
	2/11/2019			-	29.72	-	119.23
07303-MW32	6/22/2009	150.06	30-45	-	34.86	-	115.20
	2/25/2011			-	33.66	-	116.40
	4/28/2015			-	33.53	-	116.53
	4/4/2016			-	31.30	-	118.76
	2/1/2017			-	36.12	-	113.94
	2/11/2019			-	31.94	-	118.12

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170Q

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW33	6/22/2009	151.57	29-44	-	36.67	-	114.90
	2/25/2011			-	35.39	-	116.18
	4/28/2015			-	35.36	-	116.21
	4/4/2016			-	33.07	-	118.50
	2/1/2017			-	37.82	-	113.75
	2/11/2019			-	33.90	-	117.67
07303-MW34	6/22/2009	153.70	30-45	-	39.61	-	114.09
	2/25/2011			-	38.27	-	115.43
	4/28/2015			-	38.40	-	115.30
	4/4/2016			-	36.05	-	117.65
	2/1/2017			-	40.58	-	113.12
	2/11/2019			-	36.18	-	117.52
07303-MW35	6/22/2009	154.52	31-46	-	40.48	-	114.04
	2/25/2011			-	39.17	-	115.35
	4/28/2015			-	39.30	-	115.22
	4/4/2016			-	36.96	-	117.56
	2/1/2017			-	41.49	-	113.03
	2/11/2019			-	37.15	-	117.37
07303-MW36	6/22/2009	156.04	31-46	-	40.42	-	115.62
	2/24/2011			-	39.28	-	116.76
	4/27/2015			-	39.32	-	116.72
	4/4/2016			-	36.91	-	119.13
	2/1/2017			-	41.82	-	114.22
	2/11/2019			-	37.69	-	118.35
07303-MW37	6/22/2009	151.73	29-44	-	35.92	-	115.81
	2/24/2011			-	34.90	-	116.83
	4/27/2015			-	34.72	-	117.01
	4/4/2016			-	32.44	-	119.29
	2/1/2017			-	37.47	-	114.26
	2/11/2019			-	32.95	-	118.78
07303-MW38	6/22/2009	150.63	32-47	-	34.61	-	116.02
	2/24/2011			-	33.69	-	116.94
	4/27/2015			-	33.41	-	117.22
	4/4/2016			-	31.24	-	119.39
	2/1/2017			-	36.23	-	114.40
	2/11/2019			-	31.61	-	119.02

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170Q

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW39	2/25/2011	149.78	42-52	-	48.39	-	101.39
	4/28/2015			-	46.94	-	102.84
	4/5/2016			-	44.19	-	105.59
	2/2/2017			-	50.35	-	99.43
	2/13/2019			-	42.30	-	107.48
07303-MW40	2/25/2011	132.33	6-16	-	14.64	-	117.69
	4/28/2015			-	13.72	-	118.61
	4/5/2016			-	13.66	-	118.67
	2/1/2017			-	14.44	-	117.89
	2/12/2019			-	13.16	-	119.17
07303-MW41	3/24/2011	147.24	42-52	-	46.40	-	100.84
	4/28/2015			-	45.71	-	101.53
	4/5/2016			-	42.96	-	104.28
	2/2/2017			-	48.40	-	98.84
	2/12/2019			-	43.71	-	103.53
07303-MW42	2/25/2011	112.87	2-9	-	9.13	-	103.74
	4/28/2015			-	7.97	-	104.90
	4/5/2016			-	8.35	-	104.52
	2/1/2017			-	8.28	-	104.59
	2/14/2019			-	4.60	-	108.27
07303-MW43	3/24/2011	144.35	40-50	-	43.89	-	100.46
	4/28/2015			Could Not Find			
	4/5/2016			Could Not Find			
	2/2/2017			Could Not Find			
	2/12/2019			-	41.53	-	102.82
07303-MW44	5/5/2011	145.55	42-52	-	45.36	-	100.19
	4/28/2015			-	46.87	-	98.68
	4/6/2016			Could Not Find			
	2/2/2017			Could Not Find			
	2/14/2019			Could Not Find			
07303-MW45	5/5/2011	140.80	42-52	-	46.19	-	94.61
	4/28/2015			Could Not Find			
	4/6/2016			Could Not Find			
	2/2/2017			Could Not Find			
	2/13/2019			-	44.93	-	95.87

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170Q

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW46	5/5/2011	140.64	40-50	-	44.75	-	95.89
	4/28/2015			-	44.82	-	95.82
	4/6/2016			-	42.19	-	98.45
	2/2/2017			-	46.97	-	93.67
	2/13/2019			-	41.69	-	98.95
07303-MW47	5/5/2011	126.76	32-42	-	36.62	-	90.14
	4/28/2015			Could Not Find			
	4/6/2016			-	35.22	-	91.54
	2/2/2017			-	37.78	-	88.98
	2/13/2019			-	35.05	-	91.71
07303-MW48	5/5/2011	87.83	3-8	-	4.01	-	83.82
	4/28/2015			Could Not Find			
	4/6/2016			-	3.93	-	83.90
	2/2/2017			-	4.04	-	83.79
	2/13/2019			-	3.88	-	83.95
07303-DW1	2/17/2009	152.36	75-80	-	47.91	-	104.45
	6/22/2009			Not Sampled			
	2/24/2011			-	45.34	-	107.02
	4/30/2015			-	45.26	-	107.10
	4/5/2016			-	43.06	-	109.30
	2/2/2017			-	47.48	-	104.88
	2/12/2019			-	44.15	-	108.21
07303-DW2	2/17/2009	151.77	75-80	-	44.15	-	107.62
	6/22/2009			Not Sampled			
	2/24/2011			-	41.68	-	110.09
	4/30/2015			-	41.56	-	110.21
	4/6/2016			-	39.73	-	112.04
	2/3/2017			-	43.45	-	108.32
	2/12/2019			-	40.72	-	111.05
07303-DW3	2/17/2009	150.83	75-80	-	42.12	-	108.71
	6/22/2009			Not Sampled			
	2/24/2011			-	40.06	-	110.77
	4/30/2015			-	39.45	-	111.38
	4/6/2016			-	37.18	-	113.65
	2/3/2017			-	41.19	-	109.64
	2/13/2019			-	38.25	-	112.58

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170Q

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-DW5	6/22/2009	150.19	75-80	-	45.55	-	104.64
	2/24/2011			-	61.27	-	88.92
	4/27/2015			-	55.76	-	94.43
	4/5/2016			-	72.21	-	77.98
	2/2/2017			-	68.81	-	81.38
	2/13/2019			-	66.53	-	83.66
07303-DW6	6/23/2009	152.59	115-130	-	63.39	-	89.20
	2/24/2011			-	49.98	-	102.61
	4/30/2015			-	49.80	-	102.79
	4/5/2016			-	42.23	-	110.36
	2/2/2017			-	51.41	-	101.18
	2/12/2019			-	49.30	-	103.29
07303-DW7	6/23/2009	151.97	115-120	-	113.41	-	38.56
	2/24/2011			-	46.27	-	105.70
	4/30/2015			-	43.77	-	108.20
	4/6/2016			-	64.10	-	87.87
	2/3/2017			-	63.42	-	88.55
	2/12/2019			-	51.55	-	100.42
07303-DW9	6/22/2009	151.96	75-80	-	37.64	-	114.32
	2/24/2011			-	36.34	-	115.62
	4/27/2015			-	36.14	-	115.82
	4/4/2016			-	33.92	-	118.04
	2/1/2017			-	38.55	-	113.41
	2/11/2019			-	36.77	-	115.19
07303-DW10	6/23/2009	151.77	115-120	-	37.84	-	113.93
	2/24/2011			-	36.86	-	114.91
	4/27/2015			-	39.28	-	112.49
	4/4/2016			-	39.76	-	112.01
	2/1/2017			-	39.96	-	111.81
	2/11/2019			-	47.31	-	104.46
07303-DW11	5/5/2011	147.66	74-79	-	46.10	-	101.56
	4/28/2015			-	46.10	-	101.56
	4/5/2016			-	42.90	-	104.76
	2/2/2017			-	48.83	-	98.83
	2/14/2019			-	44.53	-	103.13

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170Q

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-RW1	12/8/2014	Unknown	30.1-50.1	-	41.20	-	-
	4/30/2015	151.83		-	41.16	-	110.67
	4/6/2016			-	39.54	-	112.29
	2/3/2017			-	42.98	-	108.85
	2/13/2019			41.73	41.80	**0.07**	105.86
07303-RW2	12/8/2014	Unknown	30.1-50.1	-	40.93	-	-
	4/30/2015	152.03		-	40.85	-	111.18
	4/6/2016			-	38.94	-	113.09
	2/3/2017			-	42.64	-	109.39
	2/13/2019			-	39.75	-	112.28
07303-RW3	12/8/2014	Unknown	30.2-50.2	-	40.46	-	-
	4/29/2015	151.99		-	40.13	-	111.86
	4/6/2016			-	38.37	-	113.62
	2/3/2017			-	42.05	-	109.94
	2/13/2019			-	39.10	-	112.89
07303-RW4	12/8/2014	Unknown	30.1-50.1	-	40.65	-	-
	4/30/2015	151.74		-	39.88	-	111.86
	4/6/2016			-	37.38	-	114.36
	2/3/2017			-	41.90	-	109.84
	2/12/2019			-	38.25	-	113.49
07303-RW5	6/28/2016	150.55	30-50	-	35.66	-	114.89
	2/3/2017			38.95	39.03	**0.08**	111.52
	2/13/2019			--	35.50	**--**	115.05

Notes:

-- = No measurable product.

* = Relative to top of casing (TOC).

** = The TOC elevation benchmark was adjusted from 100' to 150' to allow for the newly installed deep wells with water levels greater than 100' below the TOC.

*** = Product thickness visually confirmed. Observed in bailer during purging.

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170Q

WELL ID	SAMPLING DATE	PARAMETERS																			
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	0.05	128	1,400	150	47	N/A	10,000	240	N/A	N/A	N/A	N/A	N/A
07303-MW3	10/1/2008	**8.51**	<1.00	4.1	7.25	3.51J	**57.3**	<1.00	<0.010	0.014B	--	--	--	--	--	--	--	--	7.85	<5.0	0.595	1.60J
	2/16/2009	2.45	<1.00	<1.00	<3.00	<5.00	**56.4**	<1.00	<0.010	0.0051B	6.94	103	2.67J	<5.00	<10.0	<100	46.3	<5.00	--	--	--	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	2.0	56	46	510	**170**	<1.0	<1.0	<0.020	0.0119	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW5R	10/1/2008	NOT SAMPLED																				
	2/16/2009	<1.00	<1.00	<1.00	<3.00	<5.00	0.994J	<1.00	<0.010	<0.015	<5.00	<10.0	<5.00	<5.00	<10.0	<100	<20.0	<5.00	--	--	--	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	<0.001	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW9	10/1/2008	**2,820**	**4,860**	**1,140**	4,720	**357**	**9,050**	<50.0	**197**	**0.16**	--	--	--	--	--	--	--	--	<0.10	1.4B	0.131	1.72J
	2/16/2009	**3,020**	**4,180**	**1,150**	4,370	**393**	**8,630**	**52.0**	**0.069**	0.014B	**438**	**3,450**	**247J**	<250	<500	<5,000	<1,000	<250	--	--	--	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**2,900**	**2,700**	**880**	3,900	<2,500	**9,900**	<500	<0.020	0.00796	<5,000	<50,000	<5,000	<50,000	<50,000	<50,000	<50,000	<50,000	--	--	--	--
	4/29/2015	**350**	18	330	260	**59**	**810**	<10	0.0068J	--	34J	450	32	<10	<200	<1,000	220	<50	--	--	--	--
	4/6/2016	**100**	21	220	500	**58**	**140**	<5.0	--	--	5.7J	110	5.2	<5.0	<100	<500	73J	<25	--	--	--	--
	2/3/2017	**10**	2.8	33	40	9.7	7.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	**1,100**	130	**860**	570	**270**	**3,100**	**45**	<0.020	--	**150**	**3,100**	140	<10	<200	<1,000	**1,100**	<50	--	--	--	--
07303-MW10	10/1/2008	**FREE PRODUCT - 0.33 FEET**																				
	2/16/2009	**FREE PRODUCT - 0.10 FEET**																				
	6/22/2009	NOT SAMPLED																				
	2/24/2011*	**3,700**	**12,000**	**1,800**	10,000	<2,500	**4,600**	<500	**4.23**	0.0253	<5,000	<50,000	<5,000	<50,000	<50,000	<50,000	<50,000	<50,000	--	--	--	--
	4/29/2015	**1,200**	**8,700**	**2,100**	**14,000**	**1,200**	**810**	<100	**0.069**	--	46J	**3,100**	<100	<100	<2,000	<10,000	**780J**	<500	--	--	--	--
	4/6/2016	**320**	**1,600**	**1,500**	9,100	**1,000**	**1,600**	<50	--	--	**200J**	**7,400**	74	<50	<1,000	<5,000	**2,600**	<250	--	--	--	--
	2/3/2017	**FREE PRODUCT - 0.14 FEET**																				
	2/13/2019	**FREE PRODUCT - 0.01 FEET**																				
07303-MW11	2/17/2009	<1.00	<1.00	<1.00	<3.00	<5.00	0.822J	<1.00	<0.010	0.014B	<5.00	<10.0	<5.00	<5.00	<10.0	<100	<20.0	<5.00	1.06	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0130	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	1.4	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	0.95J	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW12	2/17/2009	<1.00	<1.00	<1.00	<3.00	<5.00	25.3	<1.00	<0.010	0.0043B	<5.00	<10.0	1.22J	<5.00	<10.0	<100	<20.0	<5.00	2.47	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	22	<1.0	<0.020	0.0138	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	3.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	20	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/3/2017	<1.0	<1.0	<1.0	<1.0	<1.0	2.8	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	4.8	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170Q

WELL ID	SAMPLING DATE	PARAMETERS																				
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	0.05	128	1,400	150	47	N/A	10,000	240	N/A	N/A	N/A	N/A	N/A
07303-MW13	2/17/2009	<1.00	<1.00	<1.00	35.8	10.1	17.4	<1.00	<0.010	<0.015	<5.00	16.7	1.11J	<5.00	<10.0	<100	<20.0	<5.00	4.39	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	**72**	6.9	18	13	<5.0	**180**	<1.0	<0.020	0.00609	<10	960	12	<100	<100	<100	170	<100	--	--	--	--
	4/29/2015	0.71J	<1.0	<1.0	<1.0	<1.0	1.8	<1.0	<0.020	--	<10	28	<1.0	<1.0	<20	<100	4.0J	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	6.2	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/3/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	0.63J	<1.0	<0.019	--	<10	15J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW14	2/17/2009	<1.00	<1.00	<1.00	<3.00	<5.00	1.55	<1.00	<0.010	0.0037B	<5.00	<10.0	<5.00	<5.00	<10.0	<100	<20.0	<5.00	2.00	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0140	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	1.9	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	0.49J	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW15	2/17/2009	**822**	**1,420**	417	1,550	**143**	**1,320**	<20.0	<0.010	0.0047B	**141**	**2,150**	40.8J	<100	<200	<2,000	<400	<100	<0.010	<5.0	0.4	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	**770**	940	510	2,500	**190**	**1,200**	<1.0	<0.020	0.00774	73	**2,300**	59	<100	<100	<100	**1,600**	<100	--	--	--	--
	4/29/2015	**450**	500	580	2,300	**250**	**260**	**16J**	<0.019	--	32J	830	22	<20	<400	<2,000	**420**	<100	--	--	--	--
	4/5/2016	**71**	6.4	9.1	470	**150**	34	1.7	--	--	3.7J	380	<1.0	<1.0	<20	<100	130	<5.0	--	--	--	--
	2/2/2017	**190**	160	320	1,200	**170**	**150**	<10	--	--	22J	970	<10	<10	<200	<1,000	**480**	<50	--	--	--	--
	2/14/2019	**52**	9.4	21	870	**180**	18	1.4	<0.019	--	2.3J	340	1.2	<1.0	<20	<100	130	<5.0	--	--	--	--
07303-MW16	2/17/2009	**183**	85.5	57.2	107	<25.0	**542**	**9.19**	0.019	0.0037B	39.3	114	28.6	<25.0	<50.0	<500	237	<25.0	<0.010	<5.0	2.2	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**60**	4.6	4.8	18	9.0	**200**	<1.0	<0.020	0.00214	<10	<100	13	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	2.6	<1.0	<1.0	<1.0	1.6	**67**	1.3	<0.019	--	3.8J	50	5.0	<1.0	<20	<100	39	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	0.55J	2.0	<1.0	--	--	<10	2.6J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	**7.2**	<1.0	0.60J	<1.0	<1.0	26	<1.0	--	--	1.5J	34	2.4	<1.0	<20	<100	15J	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW17	2/16/2009	**106**	15.7	54.6	84.0	<25.0	**463**	4.74J	<0.010	<0.015	38.3	72.8	24.0J	<25.0	<50.0	<500	<100	<25.0	<0.010	<5.0	2.4	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**51**	<1.0	7.4	<3.0	13	**220**	<1.0	<0.020	0.00201	<10	<100	12	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	0.56J	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW18	2/16/2009	**255**	72.7	109	458	<25.0	**689**	**7.48**	0.015	0.0056B	44.0	123	37.9	<25.0	<50.0	<500	143	<25.0	<0.010	<5.0	2.5	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**370**	340	140	1,400	**110**	**930**	<1.0	<0.021	0.00126	35	390	65	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	2.4	<1.0	3.1	1.6	2.3	19	<1.0	<0.020	--	0.96J	41	1.4	<1.0	<20	<100	2.7J	<5.0	--	--	--	--
	4/5/2016	**5.2**	0.59J	6.5	2.7	9.6	**59**	<1.0	--	--	2.8J	160	2.2	<1.0	<20	<100	11J	<5.0	--	--	--	--
	2/3/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	3.4	<1.0	<1.0	0.46J	2.5	13	<1.0	<0.020	--	0.71J	58	<1.0	<1.0	<20	<100	8.4J	<5.0	--	--	--	--
07303-MW19	2/17/2009	**3,110**	**9,000**	**1,330**	5,410	**682**	**12,100**	<100	**6.49**	**0.10**	**804**	**7,480**	**323J**	<500	<1,000	<10,000	<2,000	<500	<0.010	4.5B	2.8	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**FREE PRODUCT - 0.05 FEET**																				
	4/29/2015	**1,800**	**13,000**	**1,900**	**12,000**	**1,700**	**5,600**	**81J**	**14**	--	**480J**	**8,600**	**230**	<100	<2,000	<10,000	**1,500J**	<500	--	--	--	--
	4/6/2016	**FREE PRODUCT - 0.05 FEET**																				
	2/3/2017	**1,500**	**18,000**	**2,100**	**16,000**	**1,200**	**2,200**	<200	--	--	**310J**	**6,700**	<200	<200	<4,000	<20,000	**3,300J**	<1,000	--	--	--	--
	2/13/2019	**FREE PRODUCT - 0.01 FEET**																				

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170Q

WELL ID	SAMPLING DATE	PARAMETERS																				
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	0.05	128	1,400	150	47	N/A	10,000	240	N/A	N/A	N/A	N/A	N/A
07303-MW20	2/17/2009	**1,340**	**1,840**	**1,040**	2,670	**602**	**6,230**	<100	**1.61**	**0.053B**	**676**	**16,300**	146J	<500	<1,000	<10,000	**8,450**	<500	<0.010	<5.0	0.6	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	FREE PRODUCT - 0.07 FEET																				
	4/29/2015	**1,100**	**9,100**	**2,500**	**16,000**	**1,300**	**1,600**	**53J**	**3.3**	--	120J	**9,100**	80J	<200	<4,000	<20,000	**2,900J**	<1,000	--	--	--	--
	4/6/2016	**87**	100	16J	620	**34**	**540**	<20	--	--	55J	**14,000**	16J	<20	<400	<2,000	**4,600**	<100	--	--	--	--
	2/3/2017	**370**	**4,600**	**2,100**	**13,000**	**710**	**250**	<50	--	--	<500	**4,600**	<50	<50	<1,000	<5,000	**1,700**	<250	--	--	--	--
	2/13/2019	**82**	1,000	84	2,300	**60**	**47**	<10	0.083P	--	9.1J	820	<10	<10	<200	<1,000	**250**	<50	--	--	--	--
07303-MW21	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0289	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW22	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0152	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	0.64J	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	0.44J	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW23	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	**46**	4.6	40	<3.0	**73**	**140**	<1.0	<0.020	0.0106	<10	360	<10	<100	<100	<100	120	<100	--	--	--	--
	4/29/2015	OBSTRUCTED																				
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	**140**	4.8	11	2.1	4.4	**73**	3.7	--	--	6.3J	330	<1.0	<1.0	<20	<100	190	<5.0	--	--	--	--
	2/14/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW24	6/22/2009	**233**	195	**1,040**	2,990	**312**	19.5J	<20.0	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2001	**38**	63	460	760	**200**	<1.0	<1.0	<0.020	0.0110	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	**24**	190	**770**	2,900	**320**	<20	<20	<0.019	--	<200	52J	<20	<20	<400	<2,000	200J	<100	--	--	--	--
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	**25J**	**2,500**	**1,900**	**11,000**	**580**	<50	<50	--	--	<500	<1,000	<50	<50	<1,000	<5,000	**1,100**	<250	--	--	--	--
	2/14/2019	<1.0	<1.0	0.48J	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW24 (DUP)	2/14/2019	<1.0	<1.0	0.42J	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW25	6/22/2009	**299**	65.8	635	1,260	**226**	**103**	<10.0	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	**300**	17	420	560	**190**	**250**	<1.0	<0.020	0.00194	<10	530	<10	<100	<100	<100	**290**	<100	--	--	--	--
	4/28/2015	**77**	23	180	470	**56**	**100**	2.7J	<0.019	--	3.0J	410	3.0J	<5.0	<100	<500	240	<25	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	**47**	12	170	240	**51**	13	<1.0	--	--	4.0J	35	2.8	<1.0	<20	<100	66	<5.0	--	--	--	--
	2/14/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW26	6/22/2009	**399**	119	335	1,160	**165**	**156**	<10.0	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	**2,300**	63	**1,700**	2,600	**490**	**520**	<1.0	<0.020	0.0298	48	**2,100**	58	<100	<100	<100	**2,300**	<100	--	--	--	--
	4/29/2015	**22**	3.7	53	110	21	31	0.76J	<0.019	--	1.4J	91	<1.0	<1.0	<20	<100	48	<5.0	--	--	--	--
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	**1,100**	120	**2,000**	4,500	**550**	**180**	<50	--	--	78J	430J	69	<50	<1,000	<5,000	**1,200**	<250	--	--	--	--
	2/14/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW26 (DUP)	2/14/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170Q

WELL ID	SAMPLING DATE	PARAMETERS																				
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	0.05	128	1,400	150	47	N/A	10,000	240	N/A	N/A	N/A	N/A	N/A
07303-MW27	6/22/2009	**500**	13.1	261	96.8	**60.9**	**1,060**	<10.0	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	**510**	50	**1,400**	660	**550**	28	<1.0	<0.020	0.0368	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	**250**	37	**880**	1,900	**280**	**98**	<10	<0.019	--	<100	360	<10	<10	<200	<1,000	210	<50	--	--	--	--
	4/6/2016	**230**	71	**1,100**	1,600	**350**	**150**	<5.0	--	--	14J	560	10	<5.0	<100	<500	**260**	<25	--	--	--	--
	2/2/2017	**27**	2.8	85	42	**30**	7.1	<1.0	--	--	1.3J	38	1.1	<1.0	<20	<100	30	<5.0	--	--	--	--
	2/14/2019	**130**	81	**2,100**	6,800	**630**	<50	<50	<0.020	--	<500	<1,000	<50	<50	<1,000	<5,000	<1,000	<250	--	--	--	--
07303-MW28	6/22/2009	<1.00	<1.00	<1.00	<3.00	3.98J	0.749J	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	5.9	**54**	<1.0	<0.020	0.0204	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<1.0	<1.0	0.60J	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW29	6/22/2009	**14.4**	11.3	65.4	302	**29.0**	**44.2**	4.39	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<20	53	120	270	<100	<20	<20	<0.020	0.00640	<200	<2,000	<200	<2,000	<2,000	<2,000	<2,000	<2,000	--	--	--	--
	4/29/2015	**10**	4.5J	52	130	11	19	<5.0	<0.019	--	<50	29J	<5.0	<5.0	<100	<500	46J	<25	--	--	--	--
	4/5/2016	<1.0	<1.0	0.81J	2.1	0.33J	0.67J	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	1.6	0.95J	1.3	0.99J	1.3	9.5	1.2	--	--	0.70J	29	2.4	<1.0	<20	<100	58	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW30	6/22/2009	3.06	<1.00	1.25	<3.00	<5.00	31.4	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	2.2	<1.0	<1.0	<3.0	<5.0	6.1	<1.0	<0.020	<0.001	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	1.0	<1.0	<1.0	<1.0	<1.0	5.3	<1.0	<0.020	--	<10	3.2J	<1.0	<1.0	<20	<100	2.0J	<5.0	--	--	--	--
	4/5/2016	0.21J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	0.60J	<1.0	<1.0	<1.0	<1.0	1.5	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	0.45J	<1.0	<1.0	<1.0	<1.0	0.77J	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW31	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.00818	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW32	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.021	0.0119	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW33	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	5.0	8.2	15	<1.0	<1.0	<0.020	0.0317	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW34	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.021	0.0347	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170Q

WELL ID	SAMPLING DATE	PARAMETERS																			
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	0.05	128	1,400	150	47	N/A	10,000	240	N/A	N/A	N/A	N/A	N/A
07303-MW35	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0236	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW36	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	**	**	**	--	--	--	--	**	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.00409	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW37	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	**	**	**	--	--	--	--	**	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.021	0.0255	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW38	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010													
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0110	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW39	2/25/2011	1.3	<1.0	<1.0	<3.0	<5.0	5.0	<1.0	<0.020	0.0203	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW40	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	**0.0501**	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW41	3/24/2011	**81**	<5.0	<5.0	<5.0	6.0	**94**	<5.0	<0.020	0.0240	<10	250	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW42	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0108	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/14/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW43	3/24/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.021	0.0117	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/5/2016	COULD NOT FIND																				
	2/2/2017	COULD NOT FIND																				
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170Q

WELL ID	SAMPLING DATE	PARAMETERS																				
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	0.05	128	1,400	150	47	N/A	10,000	240	N/A	N/A	N/A	N/A	N/A
07303-MW44	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<5.0	<0.020	0.0229	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/6/2016	COULD NOT FIND																				
	2/2/2017	COULD NOT FIND																				
	2/14/2019	COULD NOT FIND																				
07303-MW45	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	1.3	<5.0	<0.020	0.0314	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/6/2016	COULD NOT FIND																				
	2/2/2017	COULD NOT FIND																				
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW46	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<5.0	<0.020	0.00512	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW47	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<5.0	<0.020	0.00351	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW48	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<5.0	<0.020	**0.144**	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	1.3	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW1	2/17/2009	1.66	1.39	<1.00	<3.00	<5.00	**47.5**	<1.00	<0.010	<0.075	6.66	42.9	2.42J	<5.00	<10.0	<100	<20.0	<5.00	0.507	9.4	0.2	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	2.8	<1.0	<1.0	<3.0	<5.0	**330**	<1.0	<0.020	<0.001	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	1.9	<1.0	<1.0	<1.0	<1.0	**63**	<1.0	<0.019	--	2.4J	29	2.9	<1.0	<20	<100	20	<5.0	--	--	--	--
	4/5/2016	1.6	<1.0	<1.0	<1.0	<1.0	**79**	<1.0	--	--	3.5J	49	3.6	<1.0	<20	<100	30	<5.0	--	--	--	--
	2/2/2017	0.81J	<1.0	<1.0	<1.0	<1.0	27	<1.0	--	--	1.5J	21	1.6	<1.0	<20	<100	23	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	26	<1.0	<0.020	--	1.4J	30	<1.0	<1.0	<20	<100	16J	<5.0	--	--	--	--
07303-DW2	2/17/2009	2.81	<1.00	<1.00	<3.00	<5.00	**51.3**	<1.00	<0.010	0.015B	6.77	14.7	2.14J	<5.00	<10.0	<100	<20.0	<5.00	0.594	1.4B	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	<1.0	<1.0	<1.0	<3.0	8.3	26	<1.0	<0.020	0.00129	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	1.6	<1.0	<1.0	0.44J	<1.0	38	0.56J	<0.020	--	1.8J	21	1.8	<1.0	<20	<100	12J	<5.0	--	--	--	--
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	4.6	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/3/2017	2.1	1.6	1.9	2.8	1.1	12	<1.0	--	--	1.1J	11J	<1.0	<1.0	<20	<100	17J	<5.0	--	--	--	--
	2/12/2019	0.54J	<1.0	<1.0	<1.0	<1.0	7.1	<1.0	<0.020	--	<10	8.4J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW3	2/17/2009	**6.59**	1.85J	<2.00	<6.00	<10.0	**279**	3.42	<0.010	<0.075	15.8	42.7	14.0	<10.0	<20.0	<200	76.8	<10.0	0.461	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	**5.4**	3.1	<1.0	<3.0	<5.0	**310**	<1.0	<0.020	0.00404	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	3.2	2.9	0.59J	2.9	<1.0	**44**	<1.0	<0.020	--	2.2J	22	2.5	<1.0	<20	<100	14J	<5.0	--	--	--	--
	4/6/2016	1.1	<1.0	<1.0	<1.0	<1.0	17	<1.0	--	--	0.60J	8.8J	<1.0	<1.0	<20	<100	4.4J	<5.0	--	--	--	--
	2/3/2017	1.7	0.77J	<1.0	<1.0	<1.0	17	<1.0	--	--	1.2J	15J	<1.0	<1.0	<20	<100	19J	<5.0	--	--	--	--
	2/13/2019	0.98J	<1.0	<1.0	<1.0	<1.0	4.6	<1.0	<0.020	--	<10	11J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170Q

WELL ID	SAMPLING DATE	PARAMETERS																				
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	**5**	**1,000**	**700**	**10,000**	**25**	**40**	**5**	**0.05**	**0.05**	**128**	**1,400**	**150**	**47**	**N/A**	**10,000**	**240**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
07303-DW5	6/22/2009	1.93	1.22	2.36	1.24J	<5.00	2.42	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	<0.001	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	0.78J	0.57J	<1.0	0.67J	<1.0	0.53J	<1.0	<0.020	--	<10	4.7J	<1.0	<1.0	<20	37J	<20	<5.0	--	--	--	--
	4/5/2016	0.58J	0.38J	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	1.3	<1.0	1.1	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW6	6/23/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.021	0.0142	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	0.28J	0.68J	<1.0	0.37J	<1.0	<1.0	<1.0	<0.019	--	<10	2.6J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	0.83J	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	110	<20	<5.0	--	--	--	--
07303-DW7	6/23/2009	<1.00	<1.00	<1.00	<3.00	<5.00	1.60	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	4.7	<1.0	<1.0	<3.0	<5.0	3.2	<1.0	<0.020	0.00318	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	1.7	0.36J	<1.0	<1.0	<1.0	3.5	<1.0	<0.020	--	<10	2.7J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/6/2016	1.1	<1.0	<1.0	<1.0	<1.0	3.9	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/3/2017	0.66J	0.87J	<1.0	<1.0	0.92J	2.9	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	0.50J	<1.0	<1.0	<1.0	<1.0	4.3	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW9	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	1.20	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	1.6	<1.0	<0.020	0.00422	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	55J	<20	<5.0	--	--	--	--
07303-DW10	6/23/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	1.5	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.021	0.00349	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	0.31J	<1.0	<1.0	<1.0	<1.0	0.77J	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	0.81J	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	0.70J	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW11	5/5/2011	**13**	<1.0	<1.0	<3.0	<5.0	**670**	<5.0	<0.020	<0.001	11	1,400	17	<100	<100	<100	**710**	<100	--	--	--	--
	4/28/2015	**8.9**	<1.0	2.2	1.0	<1.0	**250**	2.0	<0.020	--	14	700	15	<1.0	<20	<100	**310**	<5.0	--	--	--	--
	4/5/2016	**44**	<5.0	2.1J	<5.0	2.3J	**230**	<5.0	--	--	10J	820	8.9	<5.0	<100	<500	**340**	<25	--	--	--	--
	2/2/2017	**20**	1.1	1.3	0.86J	1.1	**89**	1.0	--	--	5.8J	360	3.9	<1.0	<20	<100	160	<5.0	--	--	--	--
	2/14/2019	2.0	<1.0	<1.0	<1.0	<1.0	23	<1.0	<0.020	--	2.6J	150	1.3	<1.0	<20	<100	58	<5.0	--	--	--	--
07303-DW11 (DUP)	2/14/2019	1.6	<1.0	<1.0	<1.0	<1.0	19	<1.0	<0.020	--	2.0J	140	1.1	<1.0	<20	<100	56	<5.0	--	--	--	--
07303-RW1	4/30/2015	**870**	**6,500**	**1,400**	7,100	**480**	**970**	**30J**	0.0063J	--	63J	**3,500**	39J	<50	<1,000	<5,000	**1,200**	<250	--	--	--	--
	4/6/2016	**1,100**	**8,700**	**1,700**	**14,000**	**1,100**	**1,900**	<100	--	--	**200J**	<2,000	71J	<100	<2,000	<10,000	<2,000	<500	--	--	--	--
	2/3/2017	**1,000**	**11,000**	**2,000**	**12,000**	**640**	**560**	<100	--	--	88J	**3,000**	<100	<100	<2,000	<10,000	**810J**	<500	--	--	--	--
	2/13/2019	**FREE PRODUCT - 0.07 FEET**																				
07303-RW2	4/30/2015	**1,400**	**10,000**	**2,500**	**11,000**	**730**	**1,600**	**45J**	**0.26**	--	84J	**6,800**	68	<50	<1,000	<5,000	**2,500**	<250	--	--	--	--
	4/6/2016	**1,300**	**12,000**	**2,400**	**15,000**	**780**	**1,300**	<100	--	--	**130J**	**13,000**	<100	<100	<2,000	<10,000	**5,200**	<500	--	--	--	--
	2/3/2017	**350**	**3,400**	**1,500**	8,400	**520**	**260**	<20	--	--	<200	**2,800**	<20	<20	<400	<2,000	**710**	<100	--	--	--	--
	2/13/2019	**320**	**1,500**	**860**	8,500	**910**	**380**	<100	**13**	--	74J	**16,000**	<100	<100	<2,000	<10,000	**4,500**	<500	--	--	--	--
07303-RW3	4/29/2015	**730**	**1,200**	**2,000**	7,500	**690**	**550**	**24J**	**4.6**	--	45J	**6,600**	26J	<50	<1,000	<5,000	**2,900**	<250	--	--	--	--
	4/6/2016	**540**	**3,900**	680	7,400	**680**	**4,500**	<50	--	--	**440J**	**48,000**	110	<50	<1,000	<5,000	**11,000**	<250	--	--	--	--
	2/3/2017	**99**	530	**1,400**	4,700	**640**	**43**	<20	--	--	<200	810	<20	<20	<400	<2,000	**340J**	<100	--	--	--	--
	2/13/2019	**540**	320	**1,200**	7,400	**570**	**250**	<10	**2.6**	--	43J	**4,300**	19	<10	<200	<1,000	**1,800**	<50	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170Q

WELL ID	SAMPLING DATE	PARAMETERS																			
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	**5**	**1,000**	**700**	**10,000**	**25**	**40**	**5**	**0.05**	**0.05**	**128**	**1,400**	**150**	**47**	**N/A**	**10,000**	**240**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
07303-RW4	4/30/2015	**9.0**	8.0	0.95J	16	0.96J	**200**	1.9	**0.36**	--	16	490	9.3	<1.0	<20	<100	180	<5.0	--	--	--	--
	4/6/2016	4.4	0.59J	0.54J	0.96J	<1.0	38	<1.0	--	--	2.2J	35	3.4	<1.0	<20	<100	20	<5.0	--	--	--	--
	2/3/2017	1.4	<1.0	<1.0	<1.0	<1.0	20	<1.0	--	--	1.0J	22	1.6	<1.0	<20	<100	14J	<5.0	--	--	--	--
	2/12/2019	**17**	1.6	19	8.8	<1.0	17	1.1	<0.019	--	0.72J	48	1.5	<1.0	<20	<100	38	<5.0	--	--	--	--
07303-RW5	2/3/2017	**FREE PRODUCT - 0.08 FEET**																				
	2/13/2019	**280**	**11,000**	**2,700**	**21,000**	**740**	**860**	<100	**21**	--	**170J**	**4,900**	<100	<100	<2,000	<10,000	<2,000	<500	--	--	--	--
07303-SW1	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	8.0	--	--	--	**	**	--	--	--	--	**	--	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	4.7	<1.0	<0.020	--	<10	11J	<1.0	<1.0	<20	<100	4.4J	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	5.4	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	3.5J	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	6.8	<1.0	--	--	<10	9.7J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	5.4	<1.0	<0.019	--	<10	16J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-SW2	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	--	--	--	**	**	--	--	--	--	**	--	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	4.2	<1.0	<0.019	--	<10	7.6J	<1.0	<1.0	<20	<100	3.4J	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	5.2	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	3.2J	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	1.9	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-FB1	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-FB2	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-FB3	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-FB4	2/14/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-TB1	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-TB2	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

NOTES:

-- = Parameter was not tested
RBSL = Risk Based Screening Levels
ug/L= micrograms per liter
mg/L= milligrams per liter
J = Indicates an estimated value
MTBE = Methyl tertiary butyl ether
1,2 DCA = 1,2 Dichloroethane
EDB = 1,2-Dibromoethane

TAME = tert-Amyl methyl ether or t-amyl methyl ether
TBA = tert-Butyl Alcohol or t-Butanol
DIPE = Isopropyl ether or diisopropyl Ether
ETBE = Ethyl tert-butyl ether
ETBA = 3,3-Dimethyl-1-butanol or ethyl tert-butanol
TAA = tert-Amyl alcohol
TBF = tert-butyl formate

B = (ORGANICS) Indicates the analyte was detected in the associated method blank
B = (INORGANICS) Indicates the result is between the RDL and the MDL
Bold Lettering indicates parameter exceeds SCDHEC RBSLs except for 1,2 DCA which is based on EPA limits
* = Sample was collected beneath free product (0.02' thickness) per SCDHEC request
DUP = duplicate
FB = Field Blank
TB = Trip Blank

J. FIGURES

1. Topographic Map

Figure 1 Topographic Map - Attached

2. Site Base Map

Figure 2 Site Base Map - Attached

3. CoC Site Maps

Figure 3 Soil CoC Map - Not Applicable

Figure 4A Groundwater CoC Map - Attached

Figure 4B Groundwater CoC Map (Oxygenates) - Attached

4. Site Potentiometric Maps

Figure 5A Site Potentiometric Map (Shallow) - Attached

Figure 5B Site Potentiometric Map (Deep) - Attached

5. Geologic Cross Sections

Figure 6 Geologic Cross Sections - Not Applicable

6. Predicted Migration and Attenuation of CoCs

Figure 7 Predicted Migration and Attenuation of CoCs - Not Applicable

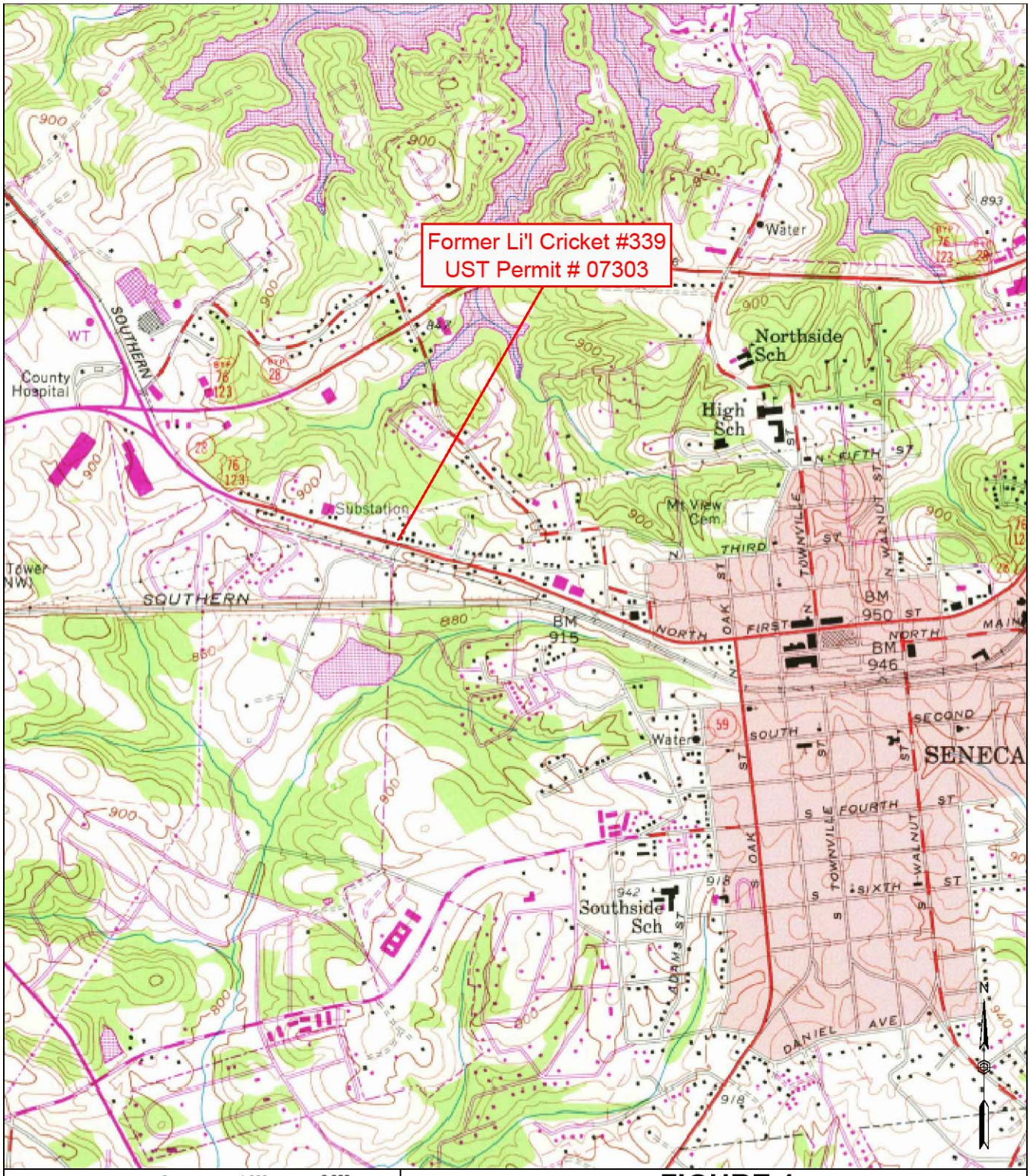

FIGURE 1
TOPOGRAPHIC MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, South Carolina

TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

... providing our clients with the best services available, actually understanding our clients objectives, and making their obectives our own!

PO Box 25
Summerville, South Carolina 29484
(800) 325-0605 (843)-873-8200 fax: (843)-873-8765

SIZE	TERRY Project No.	DWG NO.	REV
B	2170Q	Figure 1 Topo Map	

SCALE: As Shown

DATE: March 2019

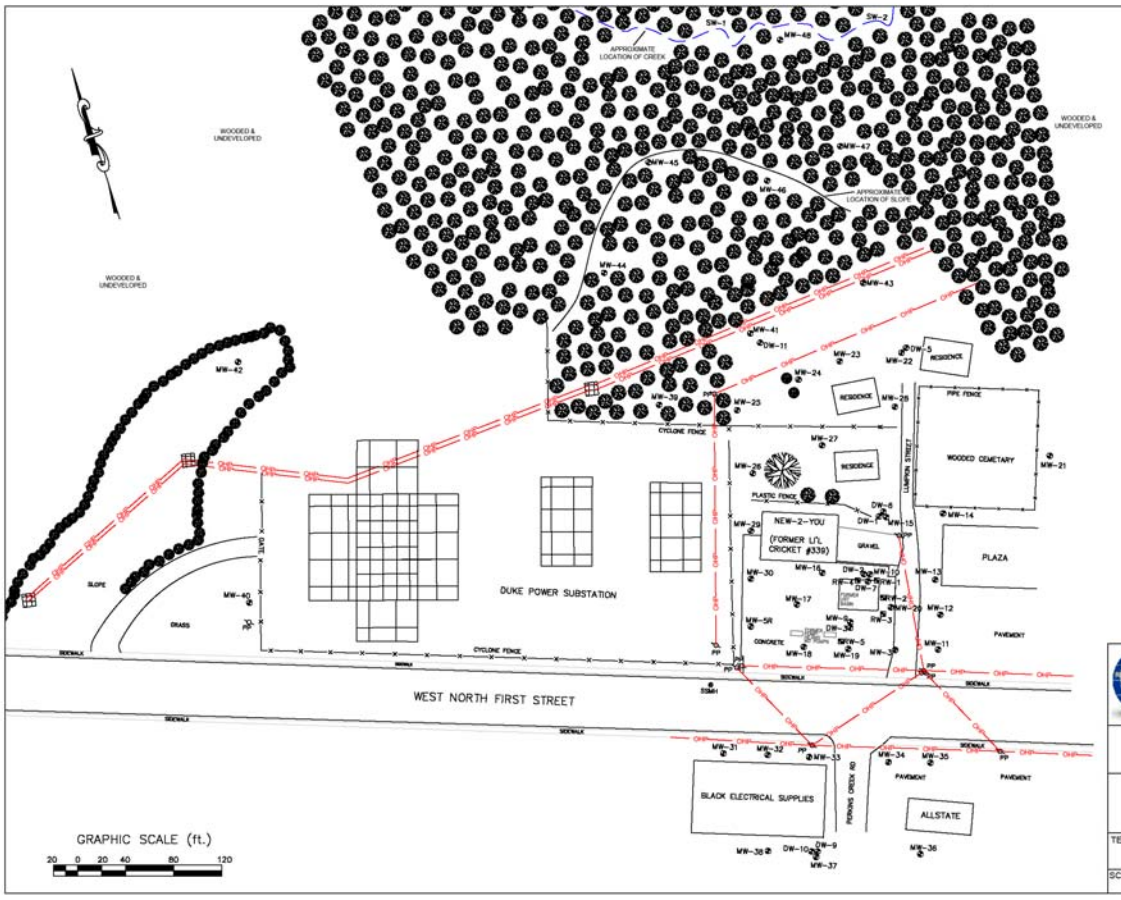

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FIGURE 2
SITE BASE MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170Q	07303
SCALE 1" = 80'	DATE March 2019

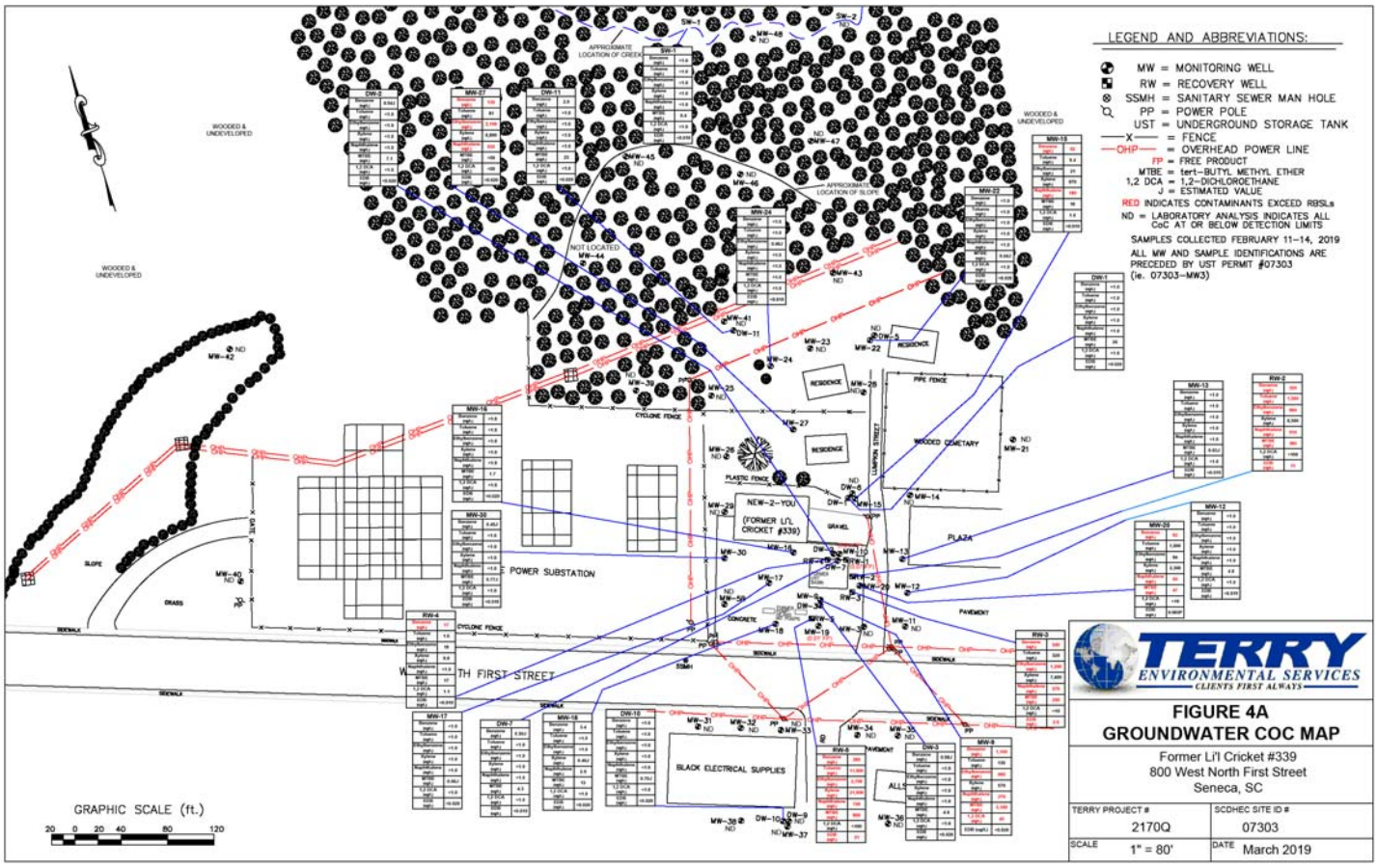

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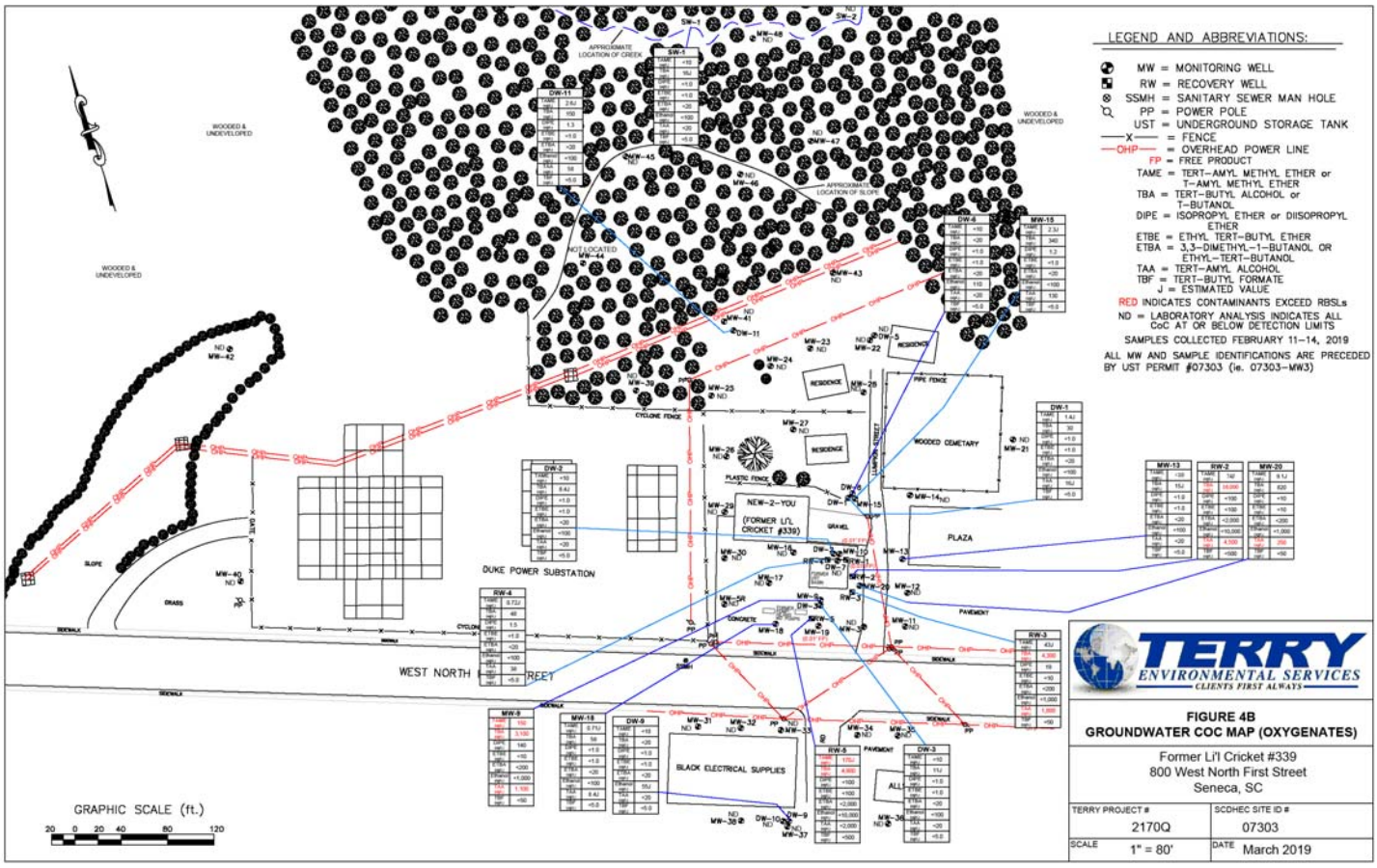
FIGURE 4A
GROUNDWATER COC MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170Q	07303
SCALE 1" = 80'	DATE March 2019



TERRY ENVIRONMENTAL SERVICES
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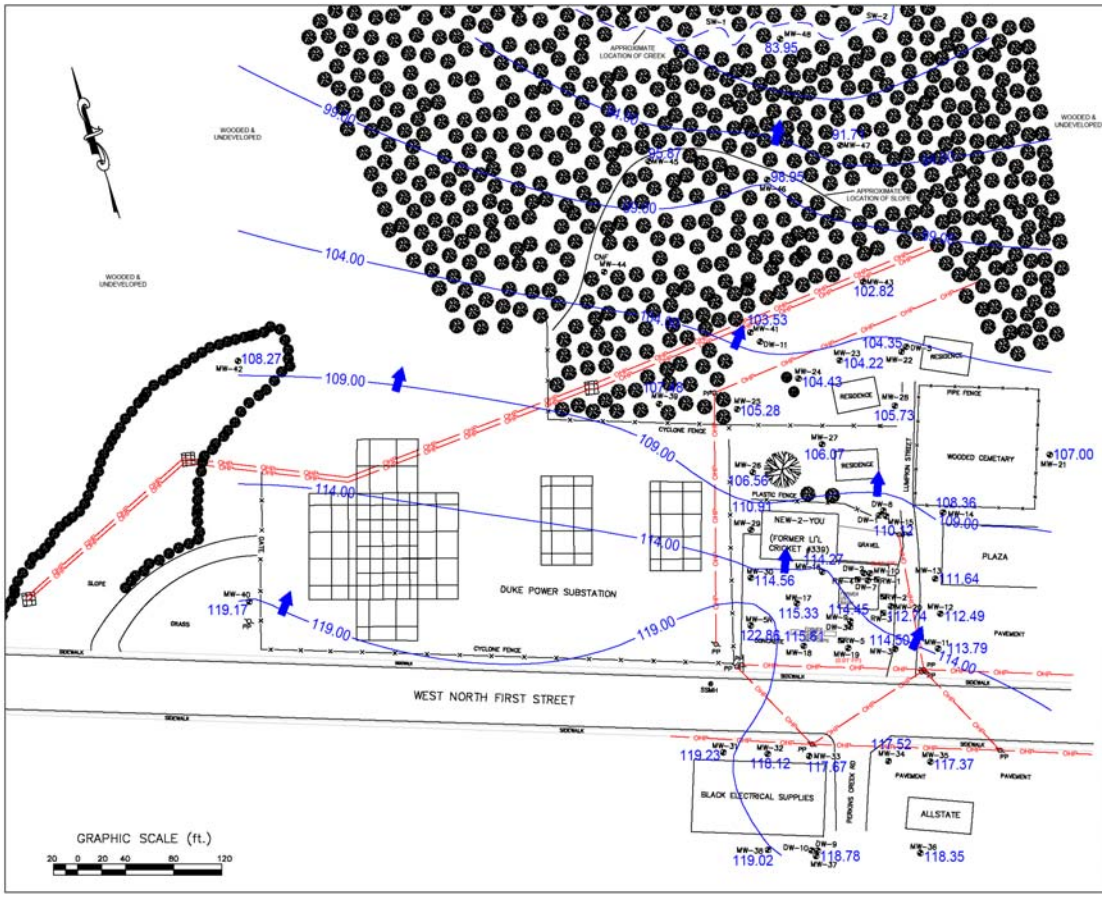
FIGURE 4B
GROUNDWATER COC MAP (OXYGENATES)

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170Q	07303
SCALE 1" = 80'	DATE March 2019



TERRY ENVIRONMENTAL SERVICES
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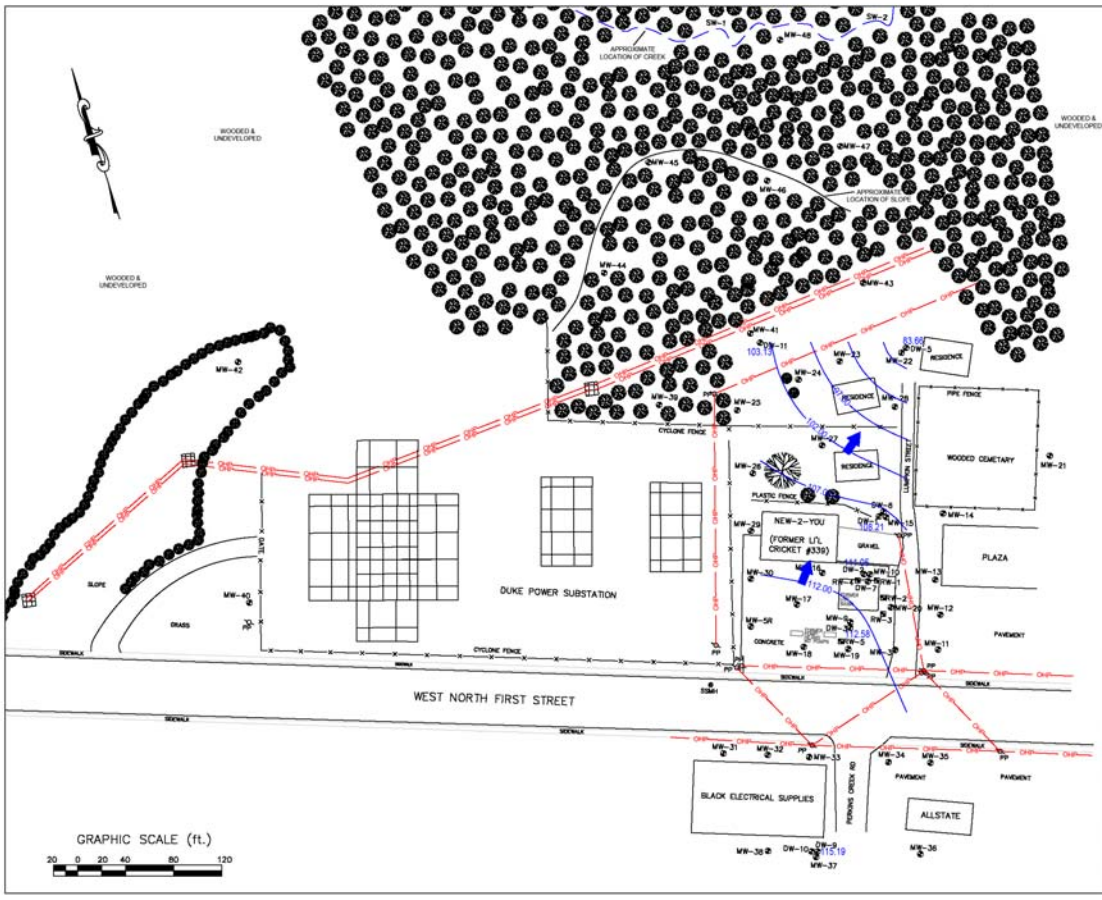
FIGURE 5A
SITE POTENTIOMETRIC MAP
(SHALLOW)

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170Q	07303
SCALE 1" = 80'	DATE March 2019



LEGEND AND ABBREVIATIONS:

- MW = MONITORING WELL
- RW = RECOVERY WELL
- SSMH = SANITARY SEWER MAN HOLE
- PP = POWER POLE
- UST = UNDERGROUND STORAGE TANK
- —X— = FENCE
- —OHP— = OVERHEAD POWER LINE

ALL MW AND SAMPLE IDENTIFICATIONS ARE PRECEDED BY UST PERMIT #07303 (ie. 07303–MW3)

108.21 GROUNDWATER ELEVATION (RELATIVE TO AN ASSUMED DATUM)

102.00 GROUNDWATER CONTOUR

GROUNDWATER FLOW DIRECTION

MEASUREMENTS COLLECTED FEBRUARY 11–14, 2019.

TERRY ENVIRONMENTAL SERVICES
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FIGURE 5B
SITE POTENTIOMETRIC MAP
(DEEP)

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170Q	07303
SCALE 1" = 80'	DATE March 2019

K. APPENDICES

1. Appendix A: Site Survey

Not Applicable

2. Appendix B: Sampling Logs and Laboratory Data

3. Appendix C: Tax Map

Not Applicable

4. Appendix D: Soil Boring/Field Screening Logs

Not Applicable

5. Appendix E: Well Completion Logs/SCDHEC 1903 Forms

Not Applicable

6. Appendix F: Aquifer Evaluation Forms

Not Applicable

7. Appendix G: Disposal Manifest

8. Appendix H: Local Zoning Regulations

Not Applicable

9. Appendix I: Fate and Transport Modeling Data

Not Applicable

10. Appendix J: Access Agreements

Not Applicable

11. Appendix K: Data Verification Checklist

APPENDIX A

Site Survey
(Not Applicable)

APPENDIX B

Sampling Logs and Laboratory Data

Groundwater Sampling Log

TERRY Environmental Services
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P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information	
Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 /12/2019
Field Personnel	BF KH RP
General Weather	overcast
Ambient Air Temperature	45°F

Quality Assurance				
Meter	Horiba U-52-2	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or Serial Number	V3KNWUE9	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	
Last Calibration (time)	0805	Last Verification (time)	—	

Monitoring Well Information		
Well ID	07303 - MW3	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	37-55	ft
Total Well Depth (nearest 0.1')	52.6	ft
Depth to Groundwater (nearest 0.01')	37.65	ft
Length of Water Column	14.95	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield Low ☐ Medium ☐ High ☐		

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

52.6

Volume (gal)	INT										
Time (military)	1110										
pH (su)	5.94										
Spec Conductivity (mS/cm)	0.049										
Water Temperature (°C)	17.4										
Turbidity (NTU)	1.0										
Dissolved Oxygen (mg/L)	2.77										

Well Condition Information	
-overall condition acceptable?	Vault full of sediment & water
-well cap acceptable?	missing bolts
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 /13 /2019
Field Personnel	BF RP KH
General Weather	clear
Ambient Air Temperature	50 F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	1159		Last Verification (time)	

Monitoring Well Information

Well ID	07303 - MWSR	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	50-60	ft
Total Well Depth (nearest 0.1')	59.7	ft
Depth to Groundwater (nearest 0.01')	27.15	ft
Length of Water Column	32.55	ft
1 Casing Volume (0.163)	5.31	ft
3 Casing Volumes (0.489)	15.92	gals
Total Volume Purged	16.5	gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low X Medium X High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

59.7

Volume (gal)	INT	5.5	11.0	16.5
Time (military)	1347	1349	1352	1355
pH (su)	8.11	8.18	8.22	8.25
Spec Conductivity (mS/cm)	0.101	0.103	0.107	0.104
Water Temperature (°C)	18.3	19.2	18.9	19.0
Turbidity (NTU)	57	21.5	22.4	22.9
Dissolved Oxygen (mg/L)	4.75	8.34	8.39	8.47

Well Condition Information

-overall condition acceptable?	
-well cap acceptable?	well cap not on casing but still in well
-manhole and cover acceptable?	missing 1 of 2 bolts
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

HOT

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 13 /2019
Field Personnel	KH BF RP
General Weather	clear
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - MW9
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	45.55	ft
Total Well Depth (nearest 0.1')	54.8	ft
Depth to Groundwater (nearest 0.01')	36.40	ft
Length of Water Column	18.40	ft
1 Casing Volume (0.163)	2.99	ft
3 Casing Volumes (0.489)	8.99	gals
Total Volume Purged	12	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

54.8

Purge Technique Utilized (bailer) pump)

Well Yield Low ☐ Medium ☒ High ☐

Quality Assurance

Meter	Horiba U-52-2	Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or Serial Number	V3KNWUE9
Calibration Constant	4.00 su	Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU
Last Calibration (time)	1150	Last Verification (time)	

Volume (gal)	INT	3	6	9	12					
Time (military)	1431	1433	1436	1438	1440					
pH (su)	6.83	7.48	7.39	7.38	7.42					
Spec Conductivity (mS/cm)	0.163	0.361	0.679	0.668	0.691					
Water Temperature (°C)	18.9	19.8	19.4	19.7	19.4					
Turbidity (NTU)	26.3	73.0	492	489	495					
Dissolved Oxygen (mg/L)	2.70	1.62	1.74	1.70	1.73					

Well Condition Information

-overall condition acceptable? vault full of water
-well cap acceptable?
-manhole and cover acceptable? missing 2 of 2 bolts
-well pad acceptable?
-area safe?
-other comments

Additional Comments

FP

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 13 /2019
Field Personnel	BF RP KH
General Weather	Clear
Ambient Air Temperature	50° F

Monitoring Well Information

Well ID	07303 - MW10	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	~~40-55~~	ft
Total Well Depth (nearest 0.1')	52.2	ft
Depth to Groundwater (nearest 0.01')	40.33	ft
Length of Water Column	11.87	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield Low ☐ Medium ☐ High ☐		

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

52.2

Quality Assurance

		or		
Meter	Horiba U-52-2	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	
Last Calibration (time)	1150	Last Verification (time)		

Volume (gal)	INT										
Time (military)	1342										
pH (su)				FP - NS							
Spec Conductivity (mS/cm)											
Water Temperature (°C)											
Turbidity (NTU)											
Dissolved Oxygen (mg/L)											

Well Condition Information

-overall condition acceptable? no water
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

free product 0.01 inches above water table

No sample taken

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 12 /2019
Field Personnel	KH BF RP
General Weather	drizzle
Ambient Air Temperature	50F

Monitoring Well Information

Well ID	07303 - MW11
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	40-50	ft
Total Well Depth (nearest 0.1')	50.0	ft
Depth to Groundwater (nearest 0.01')	39.72	ft
Length of Water Column	10.28	ft
1 Casing Volume (0.163)	1.68	ft
3 Casing Volumes (0.489)	5.03	gals
Total Volume Purged	5.25	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

50.0

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☑ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0805		Last Verification (time)		

Volume (gal)	INT	1.75	3.5	5.25						
Time (military)	0950	0953	0957	1000						
pH (su)	7.64	7.11	7.02	7.01						
Spec Conductivity (mS/cm)	0.135	0.100	0.097	0.095						
Water Temperature (°C)	17.2	17.5	17.9	17.6						
Turbidity (NTU)	151	493	481	477						
Dissolved Oxygen (mg/L)	4.68	4.25	4.21	4.19						

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information	
Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 12 /2019
Field Personnel	KH BF RP
General Weather	overcast
Ambient Air Temperature	50°F

Monitoring Well Information			
Well ID	07303 - MW12		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-50	ft	
Total Well Depth (nearest 0.1')	50.0	ft	
Depth to Groundwater (nearest 0.01')	41.91	ft	
Length of Water Column	8.09	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			50.0
Well Yield	Low ☐ Medium ☐ High ☐		

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0805		Last Verification (time)		

Volume (gal)	INT									
Time (military)	0828									
pH (su)	6.84									
Spec Conductivity (mS/cm)	0.105									
Water Temperature (°C)	18.0									
Turbidity (NTU)	30.3									
Dissolved Oxygen (mg/L)	3.40									

Well Condition Information	
-overall condition acceptable?	Yes
-well cap acceptable?	↓
-manhole and cover acceptable?	↓
-well pad acceptable?	↓
-area safe?	↓
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information	
Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 12 /2019
Field Personnel	KH BF RP
General Weather	clear cast
Ambient Air Temperature	50°F

Quality Assurance				
Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0805		Last Verification (time)	

Monitoring Well Information			
Well ID	07303 - MW 13		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-50	ft	
Total Well Depth (nearest 0.1')	50.0	ft	
Depth to Groundwater (nearest 0.01')	41.90	ft	
Length of Water Column	8.10	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			50.0
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	INT										
Time (military)	0835										
pH (su)	6.68										
Spec Conductivity (mS/cm)	0.169										
Water Temperature (°C)	17.5										
Turbidity (NTU)	3.7										
Dissolved Oxygen (mg/L)	2.97										

Well Condition Information	
-overall condition acceptable?	Vault full of water
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information	
Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/12/2019
Field Personnel	BF RP KH
General Weather	overcast
Ambient Air Temperature	50°F

Monitoring Well Information	
Well ID	07303 - MW4
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Quality Assurance				
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0805		Last Verification (time)	

Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	45-55	ft	
Total Well Depth (nearest 0.1')	55.0	ft	
Depth to Groundwater (nearest 0.01')	45.96	ft	
Length of Water Column	9.04	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			55.0
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	INT									
Time (military)	0840									
pH (su)	6.14									
Spec Conductivity (mS/cm)	0.093									
Water Temperature (°C)	17.3									
Turbidity (NTU)	3.5									
Dissolved Oxygen (mg/L)	4.51									

Well Condition Information	
-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

HOT

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 /14 /2019
Field Personnel	BF KH
General Weather	clear
Ambient Air Temperature	40F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0810		Last Verification (time)	—

Monitoring Well Information

Well ID	07303 - MW5
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	40-50	ft
Total Well Depth (nearest 0.1')	50.0	ft
Depth to Groundwater (nearest 0.01')	42.55	ft
Length of Water Column	7.45	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

50.0

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Volume (gal)	INT									
Time (military)	1041									
pH (su)	10.45									
Spec Conductivity (mS/cm)	0.155									
Water Temperature (°C)	17.4									
Turbidity (NTU)	57.1									
Dissolved Oxygen (mg/L)	4.36									

Well Condition Information

-overall condition acceptable? missing 1 bolt
-well cap acceptable? vault under water
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

low petrol odor

HOT

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 /13 /2019
Field Personnel	KH BF RP
General Weather	clear
Ambient Air Temperature	50F

Quality Assurance

Meter	Horiba U-52-2	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or Serial Number	V3KNWUE9	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	
Last Calibration (time)	1150	Last Verification (time)	—	

Monitoring Well Information

Well ID	07303 - MW16
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	40-55	ft
Total Well Depth (nearest 0.1')	55.0	ft
Depth to Groundwater (nearest 0.01')	37.06	ft
Length of Water Column	17.94	ft
1 Casing Volume (0.163)	2.94	ft
3 Casing Volumes (0.489)	7.32	gals
Total Volume Purged	7.50	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

55.0

Purge Technique Utilized (bailer/pump)

Well Yield Low ☐ Medium ☐ High ☐

Volume (gal)	INT	2.5	5.0	7.5						
Time (military)	1416	1419	1422	1425						
pH (su)	6.96	6.88	6.91	6.96						
Spec Conductivity (mS/cm)	0.141	0.129	0.133	0.137						
Water Temperature (°C)	20.3	19.1	19.3	18.9						
Turbidity (NTU)	5.1	[illegible]	58.1	60.2						
Dissolved Oxygen (mg/L)	8.50	2.23	2.28	2.32						

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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1-800-325-0605

Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 /12/2019
Field Personnel	BF RP, KH
General Weather	overcast
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	~~0905~~ 0805		Last Verification (time)	—	

Monitoring Well Information

Well ID	07303 - MW17		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-55	ft	
Total Well Depth (nearest 0.1')	55.0	ft	
Depth to Groundwater (nearest 0.01')	35.45	ft	
Length of Water Column	19.55	ft	
1 Casing Volume (0.163)	3.19	ft	
3 Casing Volumes (0.489)	9.56	gals	
Total Volume Purged	9.75	gals	
Purge Technique Utilized (bailer, pump)			
Well Yield	Low ☐ Medium ☐ High ☒		55.0

Volume (gal)	INT	3.25	6.5	9.25
Time (military)	1122	1125	1128	1130
pH (su)	6.58	6.43	6.27	6.35
Spec Conductivity (mS/cm)	0.245	0.153	0.134	0.135
Water Temperature (°C)	18.6	17.9	18.0	18.0
Turbidity (NTU)	2.9	6.5	9.5	13.3
Dissolved Oxygen (mg/L)	1.90	1.83	2.01	1.91

Well Condition Information

-overall condition acceptable?	vault full of water
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 /12 /2019
Field Personnel	EF RB KH
General Weather	overcast
Ambient Air Temperature	45·F

Monitoring Well Information

Well ID	07303 - MW18
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	35-50	ft
Total Well Depth (nearest 0.1')	50.0	ft
Depth to Groundwater (nearest 0.01')	34.7	ft
Length of Water Column	15.3	ft
1 Casing Volume (0.163)	2.49	ft
3 Casing Volumes (0.489)	7.48	gals
Total Volume Purged	7.5	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

34.7

Purge Technique Utilized (bailer) pump)

Well Yield Low ☐ Medium ☐ High ☑

Quality Assurance

Meter	Horiba U-52-2	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or Serial Number	V3KNWUE9	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	
Last Calibration (time)	0805	Last Verification (time)		

Volume (gal)	INT	2.5	5.0	7.5						
Time (military)	0952	0954	0957	0959						
pH (su)	6.18	6.22	6.15	6.17						
Spec Conductivity (mS/cm)	0.285	0.246	0.238	0.236						
Water Temperature (°C)	18.4	18.4	18.4	17.9						
Turbidity (NTU)	4.8	25.3	25.0	24.1						
Dissolved Oxygen (mg/L)	1.76	1.48	1.65	1.82						

Well Condition Information

-overall condition acceptable? Vault full of water
-well cap acceptable? missing bolts
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

FP

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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1-800-325-0605

Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/13/2019
Field Personnel	KH BF RP
General Weather	clear
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	1150		Last Verification (time)	

Monitoring Well Information

Well ID	07303 - MW19		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	38.53	ft	
Total Well Depth (nearest 0.1')	53.3	ft	
Depth to Groundwater (nearest 0.01')	35.89	ft	
Length of Water Column	17.41	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			53.3
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	INT								
Time (military)									
pH (su)			NS — FREE						
Spec Conductivity (mS/cm)						PRODUCT			
Water Temperature (°C)									
Turbidity (NTU)									
Dissolved Oxygen (mg/L)									

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable? missing 2 of 2 bolts
-well pad acceptable?
-area safe?
-other comments

Additional Comments

0.01 ft of free product in well; from 35.90' → 35.89 so no sample taken

HOT

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 /13 /2019
Field Personnel	KH BF RP
General Weather	clear
Ambient Air Temperature	50 · F

Monitoring Well Information

Well ID	07303 - MW20
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	35-50	ft	
Total Well Depth (nearest 0.1')	50.0	ft	
Depth to Groundwater (nearest 0.01')	39.34	ft	
Length of Water Column	10.66	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			50.0

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	1150		Last Verification (time)	—

Volume (gal)	INT									
Time (military)	1329									
pH (su)	6.94									
Spec Conductivity (mS/cm)	0.201									
Water Temperature (°C)	19.8									
Turbidity (NTU)	25.5									
Dissolved Oxygen (mg/L)	8.06									

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 /12 /2019
Field Personnel	BF RP FH
General Weather	overcast
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0805		Last Verification (time)	1205

Monitoring Well Information

Well ID	07303 - MW21
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	40-55	ft
Total Well Depth (nearest 0.1')	55.1	ft
Depth to Groundwater (nearest 0.01')	47.55	ft
Length of Water Column	7.55	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

55.1

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Volume (gal)	INT										
Time (military)	1209										
pH (su)	7.84										
Spec Conductivity (mS/cm)	0.068										
Water Temperature (°C)	15.8										
Turbidity (NTU)	21.3										
Dissolved Oxygen (mg/L)	5.17										

Well Condition Information

-overall condition acceptable? YES
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/13/2019
Field Personnel	BF RP KH
General Weather	clear
Ambient Air Temperature	70° F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	1150		Last Verification (time)	—

Monitoring Well Information

Well ID	07303 - MW22		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-55	ft	
Total Well Depth (nearest 0.1')	55.0	ft	
Depth to Groundwater (nearest 0.01')	45.50	ft	
Length of Water Column	9.50	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			55.0
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	INT										
Time (military)	1201										
pH (su)	5.64										
Spec Conductivity (mS/cm)	0.192										
Water Temperature (°C)	16.8										
Turbidity (NTU)	9.09										
Dissolved Oxygen (mg/L)	5.68										

Well Condition Information

-overall condition acceptable? missing 1 bolt
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

HOT

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/14/2019
Field Personnel	BF KH
General Weather	clear
Ambient Air Temperature	40F

Quality Assurance

Meter	Horiba U-52-2	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or Serial Number	V3KNWUE9	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	
Last Calibration (time)	0810	Last Verification (time)	—	

Monitoring Well Information

Well ID	07303 - MW23
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-55	ft	
Total Well Depth (nearest 0.1')	54.9	ft	
Depth to Groundwater (nearest 0.01')	45.83	ft	
Length of Water Column	9.07	ft	
1 Casing Volume (0.163)	/	ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			54.9
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	INT										
Time (military)	1056										
pH (su)	5.94										
Spec Conductivity (mS/cm)	0.231										
Water Temperature (°C)	18.7										
Turbidity (NTU)	1.3										
Dissolved Oxygen (mg/L)	4.96										

Well Condition Information

-overall condition acceptable? Vault underwater
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

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Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 14 /2019
Field Personnel	BF KH
General Weather	clear
Ambient Air Temperature	40. F

Monitoring Well Information

Well ID	07303 - MW24
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	40 - 55	ft
Total Well Depth (nearest 0.1')	54.9	ft
Depth to Groundwater (nearest 0.01')	45.59	ft
Length of Water Column	9.31	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

54.9

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

Meter	Horiba U-52-2	or	Meter	Horiba U-52-2
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0810		Last Verification (time)	—

Volume (gal)	INT									
Time (military)	1102									
pH (su)	6.56									
Spec Conductivity (mS/cm)	0.229									
Water Temperature (°C)	18.3									
Turbidity (NTU)	41.5									
Dissolved Oxygen (mg/L)	3.18									

Well Condition Information

-overall condition acceptable? Yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

dup @ 1104

HOT

Groundwater Sampling Log

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1-800-325-0605

Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 14/2019
Field Personnel	BF KH
General Weather	clear
Ambient Air Temperature	45 F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0810		Last Verification (time)	—	

Monitoring Well Information

Well ID	07303 - MW25	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	39.54	ft
Total Well Depth (nearest 0.1')	53.5	ft
Depth to Groundwater (nearest 0.01')	42.81	ft
Length of Water Column	10.69	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1' — 53.5

Volume (gal)	INT										
Time (military)	1050										
pH (su)	6.05										
Spec Conductivity (mS/cm)	0.073										
Water Temperature (°C)	18.9										
Turbidity (NTU)	8.0										
Dissolved Oxygen (mg/L)	4.98										

Well Condition Information

-overall condition acceptable?	VGM
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

dup HOT

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 14 /2019
Field Personnel	BF KH
General Weather	clear
Ambient Air Temperature	45 F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0810		Last Verification (time)	

Monitoring Well Information

Well ID	07303 - MW26
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	37-52	ft
Total Well Depth (nearest 0.1')	51.4	ft
Depth to Groundwater (nearest 0.01')	40.09	ft
Length of Water Column	11.31	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

51.4

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Volume (gal)	INT										
Time (military)	1028										
pH (su)	6.06										
Spec Conductivity (mS/cm)	0.095										
Water Temperature (°C)	18.4										
Turbidity (NTU)	46.4										
Dissolved Oxygen (mg/L)	5.45										

Well Condition Information

-overall condition acceptable?	YES
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

dup @ 1030

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 14 /2019
Field Personnel	BF KH
General Weather	clear
Ambient Air Temperature	40 F

Monitoring Well Information

Well ID	07303 - MW27
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	40-55	ft
Total Well Depth (nearest 0.1')	55.0	ft
Depth to Groundwater (nearest 0.01')	43.92	ft
Length of Water Column	11.08	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

55.0

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0810		Last Verification (time)	—	

Volume (gal)	NT									
Time (military)	1026									
pH (su)	6.59									
Spec Conductivity (mS/cm)	0.570									
Water Temperature (°C)	17.9									
Turbidity (NTU)	23.5									
Dissolved Oxygen (mg/L)	1.42									

Well Condition Information

-overall condition acceptable?	
-well cap acceptable?	NO WELL CAP AT ALL - placed a loose cap on well
-manhole and cover acceptable?	missing 2 of 2 bolts
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 12 /2019
Field Personnel	BF RP KH
General Weather	overcast
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - MW28
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	40-55	ft
Total Well Depth (nearest 0.1')	55.0	ft
Depth to Groundwater (nearest 0.01')	46.51	ft
Length of Water Column	8.49	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

55.9

Quality Assurance

Meter	Horiba U-52-2		*Meter*	Horiba U-52-2	
Serial Number	VPTPGA3X	*or*	*Serial Number*	V3KNWUE9	
Calibration Constant	4.00 su		*Calibration Constant*	4.00 su	
Calibration Constant	4.49 mS/cm		*Calibration Constant*	4.49 mS/cm	
Calibration Constant	0.0 NTU		*Calibration Constant*	0.0 NTU	
Last Calibration (time)	0805		*Last Verification (time)*	1205	

Volume (gal)	INT								
Time (military)	1340								
pH (su)	6.27								
Spec Conductivity (mS/cm)	0.100								
Water Temperature (°C)	15.2								
Turbidity (NTU)	14								
Dissolved Oxygen (mg/L)	4.12								

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 13 /2019
Field Personnel	BF RP KH
General Weather	clear
Ambient Air Temperature	45°F

Quality Assurance

Meter	Horiba U-52-2		*Meter*	Horiba U-52-2
Serial Number	VPTPGA3X	*or*	*Serial Number*	V3KNWUE9
Calibration Constant	4.00 su		*Calibration Constant*	4.00 su
Calibration Constant	4.49 mS/cm		*Calibration Constant*	4.49 mS/cm
Calibration Constant	0.0 NTU		*Calibration Constant*	0.0 NTU
Last Calibration (time)	1150		*Last Verification (time)*	

Monitoring Well Information

Well ID	07303 - MW29		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-55	ft	
Total Well Depth (nearest 0.1')	56.2	ft	
Depth to Groundwater (nearest 0.01')	41.26	ft	
Length of Water Column		ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			56.2
Well Yield	*Low* ☐ *Medium* ☐ *High* ☐		

Volume (gal)	INT										
Time (military)	1242										
pH (su)	7.94										
Spec Conductivity (mS/cm)	0.189										
Water Temperature (°C)	17.7										
Turbidity (NTU)	5.0										
Dissolved Oxygen (mg/L)	4.10										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 /13 /2019
Field Personnel	BF RP KH
General Weather	clear
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - MW30
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	45-60	ft
Total Well Depth (nearest 0.1')	62.4	ft
Depth to Groundwater (nearest 0.01')	36.67	ft
Length of Water Column	25.73	ft
1 Casing Volume (0.163)	4.19	ft
3 Casing Volumes (0.489)	12.58	gals
Total Volume Purged	12.75	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

62.4

Purge Technique Utilized (bailer / pump)

Well Yield — Low ☐ Medium ☑ High ☐

Quality Assurance

Meter	Horiba U-52-2	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or Serial Number	V3KNWUE9	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	
Last Calibration (time)	1150	Last Verification (time)	—	

Volume (gal)	INT	4.25	8.5	12.75							
Time (military)	1445	1448	1452	1455							
pH (su)	6.79	6.93	7.01	7.11							
Spec Conductivity (mS/cm)	0.116	0.131	0.139	0.140							
Water Temperature (°C)	18.9	19.7	19.8	18.9							
Turbidity (NTU)	11.7	109	112	119							
Dissolved Oxygen (mg/L)	3.04	8.35	8.21	8.13							

Well Condition Information

-overall condition acceptable?	YES
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/11/2019
Field Personnel	KH BF RP
General Weather	overcast
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	1445		Last Verification (time)		

Monitoring Well Information

Well ID	07303 - ~~MW~~ MW3
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	26-41	ft
Total Well Depth (nearest 0.1')	40.4	ft
Depth to Groundwater (nearest 0.01')	29.72	ft
Length of Water Column	10.68	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1': 40.4

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Volume (gal)	INT									
Time (military)	1539									
pH (su)	8.02									
Spec Conductivity (mS/cm)	0.114									
Water Temperature (°C)	16.7									
Turbidity (NTU)	9.3									
Dissolved Oxygen (mg/L)	5.25									

Well Condition Information

-overall condition acceptable? Yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 /11 /2019
Field Personnel	FH BF RP
General Weather	overcast
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or Serial Number	V3KNWUE9	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	
Last Calibration (time)	1445	Last Verification (time)		

Monitoring Well Information

Well ID	07303 - MW32	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	30-45	ft
Total Well Depth (nearest 0.1')	44.5	ft
Depth to Groundwater (nearest 0.01')	31.94	ft
Length of Water Column	12.56	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

44.5

Volume (gal)	INT										
Time (military)	1544										
pH (su)	6.84										
Spec Conductivity (mS/cm)	0.077										
Water Temperature (°C)	17.5										
Turbidity (NTU)	7.3										
Dissolved Oxygen (mg/L)	4.73										

Well Condition Information

-overall condition acceptable? vault full of water
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 11 /2019
Field Personnel	KH BF RP
General Weather	Overcast
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		*Meter*	Horiba U-52-2
Serial Number	VPTPGA3X	*or*	*Serial Number*	V3KNWUE9
Calibration Constant	4.00 su		*Calibration Constant*	4.00 su
Calibration Constant	4.49 mS/cm		*Calibration Constant*	4.49 mS/cm
Calibration Constant	0.0 NTU		*Calibration Constant*	0.0 NTU
Last Calibration (time)	1445		*Last Verification (time)*	

Monitoring Well Information

Well ID	07303 - MW33
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	29-44	ft
Total Well Depth (nearest 0.1')	43.7	ft
Depth to Groundwater (nearest 0.01')	33.90	ft
Length of Water Column	9.80	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

43.7

Purge Technique Utilized (bailer, pump)

Well Yield *Low* ☐ *Medium* ☐ *High* ☐

Volume (gal)	INT									
Time (military)	1552									
pH (su)	6.35									
Spec Conductivity (mS/cm)	0.060									
Water Temperature (°C)	17.4									
Turbidity (NTU)	60.1									
Dissolved Oxygen (mg/L)	4.75									

Well Condition Information

-overall condition acceptable? Vault full of Water
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 11 /2019
Field Personnel	KH BF PP
General Weather	overcast
Ambient Air Temperature	50 F

Quality Assurance

Meter	Horiba U-52-2		*Meter*	Horiba U-52-2
Serial Number	VPTPGA3X	*or*	*Serial Number*	V3KNWUE9
Calibration Constant	4.00 su		*Calibration Constant*	4.00 su
Calibration Constant	4.49 mS/cm		*Calibration Constant*	4.49 mS/cm
Calibration Constant	0.0 NTU		*Calibration Constant*	0.0 NTU
Last Calibration (time)	1445		*Last Verification (time)*	—

Monitoring Well Information

Well ID	07303 - MW34	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	30-45	ft
Total Well Depth (nearest 0.1')	45.8	ft
Depth to Groundwater (nearest 0.01')	36.18	ft
Length of Water Column	9.72	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	*Low* ☐ *Medium* ☐ *High* ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

45.8

Volume (gal)	INT										
Time (military)	1512										
pH (su)	6.04										
Spec Conductivity (mS/cm)	0.050										
Water Temperature (°C)	18.5										
Turbidity (NTU)	462										
Dissolved Oxygen (mg/L)	5.07										

Well Condition Information

-overall condition acceptable?	
-well cap acceptable?	WORN cap
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 11 /2019
Field Personnel	KH BF RP
General Weather	clear cast
Ambient Air Temperature	50's F

Quality Assurance

Meter	Horiba U-52-2	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or Serial Number	V3KNWUE9	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	
Last Calibration (time)	1445	Last Verification (time)	—	

Monitoring Well Information

Well ID	07303 - MW35
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	31-46	ft
Total Well Depth (nearest 0.1')	45.7	ft
Depth to Groundwater (nearest 0.01')	37.15	ft
Length of Water Column	8.55	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield Low ☐ Medium ☐ High ☐		

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

45.7

Volume (gal)	INT										
Time (military)	1500										
pH (su)	6.02										
Spec Conductivity (mS/cm)	0.174										
Water Temperature (°C)	18.2										
Turbidity (NTU)	8.0										
Dissolved Oxygen (mg/L)	5.61										

Well Condition Information

-overall condition acceptable?	~~N/A~~
-well cap acceptable?	worn cap
-manhole and cover acceptable?	
-well pad acceptable?	~~N/A~~
-area safe?	↓
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 11 /2019
Field Personnel	FH BF RP
General Weather	overcast
Ambient Air Temperature	50 F

Quality Assurance

Meter	Horiba U-52-2		*Meter*	Horiba U-52-2
Serial Number	VPTPGA3X	*or*	*Serial Number*	V3KNWUE9
Calibration Constant	4.00 su		*Calibration Constant*	4.00 su
Calibration Constant	4.49 mS/cm		*Calibration Constant*	4.49 mS/cm
Calibration Constant	0.0 NTU		*Calibration Constant*	0.0 NTU
Last Calibration (time)	1445		*Last Verification (time)*	—

Monitoring Well Information

Well ID	07303 - MW36		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	31-46	ft	
Total Well Depth (nearest 0.1')	46.0	ft	
Depth to Groundwater (nearest 0.01')	37.69	ft	
Length of Water Column	9.01	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			46.0
Well Yield	*Low* ☐ *Medium* ☐ *High* ☐		

Volume (gal)	INT									
Time (military)	1530									
pH (su)	5.75									
Spec Conductivity (mS/cm)	0.041									
Water Temperature (°C)	17.6									
Turbidity (NTU)	479									
Dissolved Oxygen (mg/L)	5.06									

Well Condition Information

-overall condition acceptable?	VAULT FULL OF WATER
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 11 /2019
Field Personnel	KH BF RP
General Weather	overcast
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	1445		Last Verification (time)	

Monitoring Well Information

Well ID	07303 - MW37	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	29-49	ft
Total Well Depth (nearest 0.1')	44.2	ft
Depth to Groundwater (nearest 0.01')	32.95	ft
Length of Water Column	11.25	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

44.2

Volume (gal)	INT										
Time (military)	1622										
pH (su)	5.97										
Spec Conductivity (mS/cm)	0.085										
Water Temperature (°C)	16.7										
Turbidity (NTU)	491										
Dissolved Oxygen (mg/L)	8.33										

Well Condition Information

-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 /11 /2019
Field Personnel	KH BF RP
General Weather	overcast
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	1445		Last Verification (time)	

Monitoring Well Information

Well ID	07303 - MW38	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	32-47	ft
Total Well Depth (nearest 0.1')	47.6	ft
Depth to Groundwater (nearest 0.01')	31.61	ft
Length of Water Column	15.99	ft
1 Casing Volume (0.163)	2.60	ft
3 Casing Volumes (0.489)	7.82	gals
Total Volume Purged	8.25	gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☑	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

47.6

Volume (gal)	INT	2.75	5.5	8.25						
Time (military)	1600	1605	1611	1617						
pH (su)	7.05	6.88	6.81	6.73						
Spec Conductivity (mS/cm)	0.107	0.086	0.086	0.080						
Water Temperature (°C)	17.9	17.9	17.7	17.7						
Turbidity (NTU)	48.2	491	494	497						
Dissolved Oxygen (mg/L)	5.00	5.65	5.50	5.53						

Well Condition Information

-overall condition acceptable? ~~no~~ well full of water
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/13/2019
Field Personnel	BF FH
General Weather	clear
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	1150		Last Verification (time)	1550

Monitoring Well Information

Well ID	07303 - MW39
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	42-52	ft
Total Well Depth (nearest 0.1')	52.1	ft
Depth to Groundwater (nearest 0.01')	42.32	ft
Length of Water Column	9.80	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

52.1

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Volume (gal)	INT										
Time (military)	1728										
pH (su)	5.58										
Spec Conductivity (mS/cm)	0.057										
Water Temperature (°C)	16.9										
Turbidity (NTU)	62.0										
Dissolved Oxygen (mg/L)	9.98										

Well Condition Information

-overall condition acceptable? Yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

stickup well

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 /12 /2019
Field Personnel	KH BF RP
General Weather	overcast
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		*Meter*	Horiba U-52-2
Serial Number	VPTPGA3X	*or*	*Serial Number*	V3KNWUE9
Calibration Constant	4.00 su		*Calibration Constant*	4.00 su
Calibration Constant	4.49 mS/cm		*Calibration Constant*	4.49 mS/cm
Calibration Constant	0.0 NTU		*Calibration Constant*	0.0 NTU
Last Calibration (time)	0805		*Last Verification (time)*	

Monitoring Well Information

Well ID	07303 - MW40		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	6-16	ft	
Total Well Depth (nearest 0.1')	16.1	ft	
Depth to Groundwater (nearest 0.01')	13.16	ft	
Length of Water Column	2.94	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			16.1
Well Yield	*Low* ☐ *Medium* ☐ *High* ☐		

Volume (gal)	INT									
Time (military)	0815									
pH (su)	5.99									
Spec Conductivity (mS/cm)	0.213									
Water Temperature (°C)	15.0									
Turbidity (NTU)	1.1									
Dissolved Oxygen (mg/L)	4.85									

Well Condition Information

-overall condition acceptable?	Vault full of water
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/2 /2019
Field Personnel	BF RP FH
General Weather	overcast
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - MW41
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	42-52	ft	
Total Well Depth (nearest 0.1')	52.2	ft	
Depth to Groundwater (nearest 0.01')	43.71	ft	
Length of Water Column	8.49	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			52.2
Well Yield	Low ☐ Medium ☐ High ☐		

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0805		Last Verification (time)	1205	

Volume (gal)	INT									
Time (military)	1332									
pH (su)	6.58									
Spec Conductivity (mS/cm)	0.122									
Water Temperature (°C)	15.8									
Turbidity (NTU)	2.2									
Dissolved Oxygen (mg/L)	4.83									

Well Condition Information

- -overall condition acceptable? yes
- -well cap acceptable?
- -manhole and cover acceptable?
- -well pad acceptable?
- -area safe?
- -other comments

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 14 /2019
Field Personnel	KH BT
General Weather	clear
Ambient Air Temperature	35°F

Monitoring Well Information

Well ID	07303 - MW92	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	2-9	ft
Total Well Depth (nearest 0.1')	9.2	ft
Depth to Groundwater (nearest 0.01')	4.60	ft
Length of Water Column	4.60	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield Low ☐ Medium ☐ High ☐		

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

9.2

Quality Assurance

Meter	Horiba U-52-2		*Meter*	Horiba U-52-2	
Serial Number	VPTPGA3X	*or*	*Serial Number*	V3KNWUE9	
Calibration Constant	4.00 su		*Calibration Constant*	4.00 su	
Calibration Constant	4.49 mS/cm		*Calibration Constant*	4.49 mS/cm	
Calibration Constant	0.0 NTU		*Calibration Constant*	0.0 NTU	
Last Calibration (time)	0810		*Last Verification (time)*		

Volume (gal)	INT										
Time (military)	0824										
pH (su)	5.31										
Spec Conductivity (mS/cm)	0.203										
Water Temperature (°C)	8.7										
Turbidity (NTU)	16.1										
Dissolved Oxygen (mg/L)	7.46										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Stick up well

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 12 /2019
Field Personnel	BF RP KH
General Weather	overcast
Ambient Air Temperature	50 F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0805		Last Verification (time)	1205

Monitoring Well Information

Well ID	07303 - MW43	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	40-50	ft
Total Well Depth (nearest 0.1')	50.1	ft
Depth to Groundwater (nearest 0.01')	41.53	ft
Length of Water Column	8.57	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield Low ☐ Medium ☐ High ☐		

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

50.1

Volume (gal)	INT										
Time (military)	1346										
pH (su)	6.23										
Spec Conductivity (mS/cm)	0.100										
Water Temperature (°C)	15.3										
Turbidity (NTU)	11.7										
Dissolved Oxygen (mg/L)	5.51										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Could not find previously

Found on edge, in thorns/brambles, in front of electrical power

CNF

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 14 /2019
Field Personnel	BF KH
General Weather	clear
Ambient Air Temperature	40 F

Monitoring Well Information

Well ID	07303 - MW44
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	42-52	ft	
Total Well Depth (nearest 0.1')		ft	
Depth to Groundwater (nearest 0.01')		ft	
Length of Water Column		ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			
Well Yield	Low ☐ Medium ☐ High ☐		

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)			Last Verification (time)	

Volume (gal)										
Time (military)										
pH (su)										
Spec Conductivity (mS/cm)										
Water Temperature (°C)										
Turbidity (NTU)										
Dissolved Oxygen (mg/L)										

CNF - NS

Well Condition Information

-overall condition acceptable?	
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Searched in woods for 30 minutes with shovel and metal detector

Could not find - no sample taken

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 13 /2019
Field Personnel	BF KH
General Weather	clear
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	1150		Last Verification (time)	1550	

Monitoring Well Information

Well ID	07303 - MW45	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	42-52	ft
Total Well Depth (nearest 0.1')	53.2	ft
Depth to Groundwater (nearest 0.01')	44.93	ft
Length of Water Column	8.27	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

53.2

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Volume (gal)	INT											
Time (military)	1720											
pH (su)	5.47											
Spec Conductivity (mS/cm)	0.039											
Water Temperature (°C)	15.3											
Turbidity (NTU)	92.7											
Dissolved Oxygen (mg/L)	6.91											

Well Condition Information

-overall condition acceptable?	YES
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/13/2019
Field Personnel	BE RM KH
General Weather	clear
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	1150		Last Verification (time)	1550	

Monitoring Well Information

Well ID	07303 - MW46	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	40-50	ft
Total Well Depth (nearest 0.1')	50.0	ft
Depth to Groundwater (nearest 0.01')	41.69	ft
Length of Water Column	8.31	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield Low ☐ Medium ☐ High ☐		

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

50.0

Volume (gal)	INT										
Time (military)	1752										
pH (su)	4.91										
Spec Conductivity (mS/cm)	0.029										
Water Temperature (°C)	14.3										
Turbidity (NTU)	42.9										
Dissolved Oxygen (mg/L)	9.04										

Well Condition Information

-overall condition acceptable? Yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/13/2019
Field Personnel	BF ~~RB~~ KH
General Weather	clear
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	1150		Last Verification (time)	1556

Monitoring Well Information

Well ID	07303 - MW47	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	32-42	ft
Total Well Depth (nearest 0.1')	42.6	ft
Depth to Groundwater (nearest 0.01')	35.05	ft
Length of Water Column	7.55	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1' — 42.6

Volume (gal)	INT										
Time (military)	1732										
pH (su)	5.09										
Spec Conductivity (mS/cm)	0.021										
Water Temperature (°C)	16.2										
Turbidity (NTU)	75.1										
Dissolved Oxygen (mg/L)	6.71										

Well Condition Information

-overall condition acceptable? missing one bolt
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 13 /2019
Field Personnel	BF KH
General Weather	Clear
Ambient Air Temperature	50F

Quality Assurance

Meter	Horiba U-52-2		*Meter*	Horiba U-52-2	
Serial Number	VPTPGA3X	*or*	*Serial Number*	V3KNWUE9	
Calibration Constant	4.00 su		*Calibration Constant*	4.00 su	
Calibration Constant	4.49 mS/cm		*Calibration Constant*	4.49 mS/cm	
Calibration Constant	0.0 NTU		*Calibration Constant*	0.0 NTU	
Last Calibration (time)	1150		*Last Verification (time)*	1550	

Monitoring Well Information

Well ID	07303 - MW-48		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	3-8	ft	
Total Well Depth (nearest 0.1')	8.0	ft	
Depth to Groundwater (nearest 0.01')	3.88	ft	
Length of Water Column	4.12	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			8.0
Well Yield Low ☐ Medium ☐ High ☐			

Volume (gal)	INT										
Time (military)	1052										
pH (su)	5.64										
Spec Conductivity (mS/cm)	0.033										
Water Temperature (°C)	14.3										
Turbidity (NTU)	10.1										
Dissolved Oxygen (mg/L)	5.45										

Well Condition Information

-overall condition acceptable? NW
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 /12 /2019
Field Personnel	BF RP KH
General Weather	overcast
Ambient Air Temperature	50F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0805		Last Verification (time)	1205

Monitoring Well Information

Well ID	07303 - DW 1		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	75-80	ft	
Total Well Depth (nearest 0.1')	81.2	ft	
Depth to Groundwater (nearest 0.01')	44.15	ft	
Length of Water Column	37.05	ft	
1 Casing Volume (0.163)	6.04	ft	
3 Casing Volumes (0.489)	18.12	gals	
Total Volume Purged	18.75	gals	
Purge Technique Utilized (bailer, pump)			81.2
Well Yield	Low ☐	Medium ☑	High ☐

Volume (gal)	INT	6.25	12.5	18.75						
Time (military)	1312	1316	1320	1323						
pH (su)	8.52	7.67	7.71	7.68						
Spec Conductivity (mS/cm)	0.211	0.202	0.208	0.201						
Water Temperature (°C)	15.7	17.0	17.2	17.0						
Turbidity (NTU)	3.2	1.4	1.3	1.0						
Dissolved Oxygen (mg/L)	1.56	1.57	1.66	1.69						

Well Condition Information

-overall condition acceptable?	Vault full of water
-well cap acceptable?	
-manhole and cover acceptable?	missing 2 of 2 bolts
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 12 /2019
Field Personnel	BF HH RP
General Weather	forecast
Ambient Air Temperature	50 F

Monitoring Well Information

Well ID	07303 - DW2
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	75-80	ft
Total Well Depth (nearest 0.1')	81.7	ft
Depth to Groundwater (nearest 0.01')	40.72	ft
Length of Water Column	40.98	ft
1 Casing Volume (0.163)	6.68	ft
3 Casing Volumes (0.489)	20.04	gals
Total Volume Purged	21	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

81.7

Purge Technique Utilized (bailer, (pump))

Well Yield Low ☐ Medium ☒ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0805		Last Verification (time)		

Volume (gal)	INT	7	14	21						
Time (military)	1035	1040	1046	1051						
pH (su)	7.08	6.94	6.86	6.77						
Spec Conductivity (mS/cm)	0.337	0.216	0.208	0.201						
Water Temperature (°C)	16.8	17.5	17.3	17.9						
Turbidity (NTU)	215	3.2	3.0	2.7						
Dissolved Oxygen (mg/L)	1.82	1.65	1.72	1.72						

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable? missing 2 of 2 bolts
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/13/2019
Field Personnel	KH BF RP
General Weather	clear
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0805		Last Verification (time)	1205	

Monitoring Well Information

Well ID	07303 - DW3		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	75.80	ft	
Total Well Depth (nearest 0.1')	81.3	ft	
Depth to Groundwater (nearest 0.01')	38.25	ft	
Length of Water Column	43.05	ft	
1 Casing Volume (0.163)	7.01	ft	
3 Casing Volumes (0.489)	21.05	gals	
Total Volume Purged	40	gals	
Purge Technique Utilized (bailer, pump)			81.3
Well Yield	Low ☐ Medium ☒ High ☐		

Volume (gal)	INT	8	16	24	32	40				
Time (military)	1244	1251	1256	1302	1308	1315				
pH (su)	12.89	11.06	8.36	6.89	7.53	7.41				
Spec Conductivity (mS/cm)	0.947	0.283	0.197	0.198	0.183	0.194				
Water Temperature (°C)	18.0	19.1	19.2	19.0	19.0	19.5				
Turbidity (NTU)	22.6	10.7	2.8	10.4	2.3	5.0				
Dissolved Oxygen (mg/L)	8.72	3.40	8.77	5.69	6.58	4.58				

Well Condition Information

-overall condition acceptable?	
-well cap acceptable?	worn cap
-manhole and cover acceptable?	missing 1 of 1 bolt
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 13 /2019
Field Personnel	BF RP FH
General Weather	clear
Ambient Air Temperature	45°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	1150		Last Verification (time)		

Monitoring Well Information

Well ID	07303 - DWS		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	75.80	ft	
Total Well Depth (nearest 0.1')	80.1	ft	
Depth to Groundwater (nearest 0.01')	66.53	ft	
Length of Water Column	13.57	ft	
1 Casing Volume (0.163)	2.21	ft	
3 Casing Volumes (0.489)	6.64	gals	
Total Volume Purged	3.25	gals	
Purge Technique Utilized (bailer, pump)			80.1
Well Yield	Low X	Medium ☐	High ☐

Volume (gal)	INT	3	3.25/sample							
Time (military)	1206	1217	1237							
pH (su)	13.07	13.55	13.12	PURGED DRY @						
Spec Conductivity (mS/cm)	4.74	5.19	4.91							
Water Temperature (°C)	15.9	16.8	17.4			CV				
Turbidity (NTU)	831	588	497	~1						
Dissolved Oxygen (mg/L)	9.28	9.15	5.70							

Well Condition Information

-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

purged dry @ ~1 casing volume, let recharge ~ 20 minutes before sampling

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 /12 /2019
Field Personnel	BF KH RP
General Weather	overcast
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0805		Last Verification (time)	1205

Monitoring Well Information

Well ID	07303 - PW6
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	115-130	ft
Total Well Depth (nearest 0.1')	130.0	ft
Depth to Groundwater (nearest 0.01')	49.30	ft
Length of Water Column	80.70	ft
1 Casing Volume (0.163)	13.15	ft
3 Casing Volumes (0.489)	39.46	gals
Total Volume Purged	14.25	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

130.0

Purge Technique Utilized (bailer, pump)

Well Yield Low ☑ Medium ☐ High ☐

Volume (gal)	INT	14	14.25								
Time (military)	1215	1225	1235								
pH (su)	8.56	9.39	9.25								
Spec Conductivity (mS/cm)	0.452	0.393	0.390								
Water Temperature (°C)	16.3	16.9	16.5								
Turbidity (NTU)	3.1	6.4	7.4								
Dissolved Oxygen (mg/L)	2.04	1.12	1.26								

DRY - 1 GV

Well Condition Information

-overall condition acceptable?	
-well cap acceptable?	
-manhole and cover acceptable?	missing 2 of 2 bolts
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Purge dry at one casing volume

Waited 30 minutes to recharge before taking sample

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information	
Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 /12 /2019
Field Personnel	BF RP KH
General Weather	overcast
Ambient Air Temperature	50 F

Monitoring Well Information		
Well ID	07303 - MW7	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	115-120	ft
Total Well Depth (nearest 0.1')	120.0	ft
Depth to Groundwater (nearest 0.01')	51.55	ft
Length of Water Column	68.45	ft
1 Casing Volume (0.163)	11.16	ft
3 Casing Volumes (0.489)	33.47	gals
Total Volume Purged	12.25	gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

120.0

Quality Assurance					
Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0805		Last Verification (time)		

Volume (gal)	INT	12	12.25	
Time (military)	0901	0915	0945	
pH (su)	9.30	9.78	9.74	
Spec Conductivity (mS/cm)	2.83	3.08	3.10	
Water Temperature (°C)	16.6	16.4	16.2	
Turbidity (NTU)	11.9	19.5	20.1	
Dissolved Oxygen (mg/L)	3.09	2.24	2.22	

DRY-1CV

Well Condition Information	
-overall condition acceptable?	
-well cap acceptable?	
-manhole and cover acceptable?	missing 2 of 2 ~~nuts~~ caps
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Purged dry at 1 Casing Volume
Waited 30 min to recharge before taking sample

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 1 /2019
Field Personnel	KH BF RP
General Weather	overcast
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - DW9
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	75-80	ft
Total Well Depth (nearest 0.1')	81.0	ft
Depth to Groundwater (nearest 0.01')	36.77	ft
Length of Water Column	44.23	ft
1 Casing Volume (0.163)	7.21	ft
3 Casing Volumes (0.489)	21.63	gals
Total Volume Purged	32	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

81.0

Purge Technique Utilized (bailer/pump)

Well Yield Low ☐ Medium ☒ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	1445		Last Verification (time)	—	

Volume (gal)	INT	8	16	24	32					
Time (military)	1629	1635	1642	1648	1655					
pH (su)	8.78	7.87	7.46	7.36	7.28					
Spec Conductivity (mS/cm)	0.084	0.133	0.141	0.139	0.139					
Water Temperature (°C)	15.5	15.9	16.8	17.0	17.1					
Turbidity (NTU)	1.4	2.1	0.8	1.2	0.9					
Dissolved Oxygen (mg/L)	1.76	4.73	4.39	4.21	4.10					

Well Condition Information

-overall condition acceptable? yes
-well cap acceptable? cap won't stay in well, covered with glue
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 /11 /2019
Field Personnel	KH BF RP
General Weather	overcast
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	1445		Last Verification (time)		

Monitoring Well Information

Well ID	07303 - DW10		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	115-120	ft	
Total Well Depth (nearest 0.1')	120.0	ft	
Depth to Groundwater (nearest 0.01')	47.31	ft	
Length of Water Column	72.69	ft	
1 Casing Volume (0.163)	11.85	ft	
3 Casing Volumes (0.489)	35.55	gals	
Total Volume Purged	1225	gals	120.0
Purge Technique Utilized (bailer, pump)			
Well Yield	Low ☒	Medium ☐	High ☐

Volume (gal)	INT	12	12.25/sample	
Time (military)	1726	1745	1815	
pH (su)	10.06	10.16	10.29	
Spec Conductivity (mS/cm)	1.85	1.89	2.09	
Water Temperature (°C)	16.4	18.1	18.0	
Turbidity (NTU)	4.1	46.7	25.5	
Dissolved Oxygen (mg/L)	1.45	2.00	1.94	

PURGED DRY @ ~1 CASING VOLUME

Well Condition Information

-overall condition acceptable?	Vault full of water
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

purged dry @ 1 casing volume; let recharge ~30 mins before sampling

dup #07

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 14 /2019
Field Personnel	BF KH
General Weather	clear
Ambient Air Temperature	35°F

Monitoring Well Information

Well ID	07303 - DW11		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	74-79	ft	
Total Well Depth (nearest 0.1')	79.0	ft	
Depth to Groundwater (nearest 0.01')	44.53	ft	
Length of Water Column	34.47	ft	
1 Casing Volume (0.163)	5.62	ft	
3 Casing Volumes (0.489)	16.86	gals	
Total Volume Purged	17.25	gals	
Purge Technique Utilized (bailer, pump)			79.0
Well Yield	Low ☐ Medium ☐ High ☑		

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0810		Last Verification (time)	—

Volume (gal)	INT	5.75	11.5	17.25
Time (military)	0854	0859	0902	0906
pH (su)	6.88	6.88	6.90	6.95
Spec Conductivity (mS/cm)	0.279	0.234	0.230	0.221
Water Temperature (°C)	12.4	15.3	15.9	16.2
Turbidity (NTU)	142	42.3	41.1	39.8
Dissolved Oxygen (mg/L)	10.05	2.52	2.50	2.54

Well Condition Information

-overall condition acceptable?	
-well cap acceptable?	
-manhole and cover acceptable?	missing 1 of 2 bolts
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

dup @ 0908

~~NT~~ FP

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 /13 /2019
Field Personnel	FH BF BP
General Weather	clear
Ambient Air Temperature	50 F

Monitoring Well Information

Well ID	07303 - RW1
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	4	in
Screened Interval	30.1 - 50.1	ft
Total Well Depth (nearest 0.1')	50.6	ft
Depth to Groundwater (nearest 0.01')	41.80	ft
Length of Water Column	8.80	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

50.6

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

		or		
Meter	Horiba U-52-2	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	
Last Calibration (time)	1150	Last Verification (time)	—	

Volume (gal)	INT									
Time (military)										
pH (su)				FP — NS						
Spec Conductivity (mS/cm)										
Water Temperature (°C)										
Turbidity (NTU)										
Dissolved Oxygen (mg/L)										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

0.07' inches of free product above water table @ 41.73' depth

No sample collected

HOT

Groundwater Sampling Log

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Site Specific Information		Monitoring Well Information			
Terry Project ID	2170Q	Well ID	07303 - RW2		
SCDHEC Permit No.	07303	Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name	Former Li'l Cricket #339				
Date	2 / 13 /2019	Well Diameter	4	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Field Personnel	KH BF RP	Screened Interval	30.1-50.1	ft	
General Weather	clear	Total Well Depth (nearest 0.1')	50.1	ft	
Ambient Air Temperature	50's	Depth to Groundwater (nearest 0.01')	39.75	ft	
		Length of Water Column	10.35	ft	
		1 Casing Volume (0.163)		ft	
		3 Casing Volumes (0.489)		gals	
		Total Volume Purged		gals	
		Purge Technique Utilized (bailer, pump)			50.1
		Well Yield	Low ☐ Medium ☐ High ☐		

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	1150		Last Verification (time)		

Volume (gal)	INT										
Time (military)	1322										
pH (su)	7.30										
Spec Conductivity (mS/cm)	0.441										
Water Temperature (°C)	19.7										
Turbidity (NTU)	15.8										
Dissolved Oxygen (mg/L)	8.11										

Well Condition Information

-overall condition acceptable? Vault full of water
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Strong petrol odor
visible sheen

HOT

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 /13 /2019
Field Personnel	FH BF RP
General Weather	clear
Ambient Air Temperature	50 F

Monitoring Well Information

Well ID	07303 - ~~MW~~ RW3
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	4	in
Screened Interval	30.2-50.2	ft
Total Well Depth (nearest 0.1')	50.2	ft
Depth to Groundwater (nearest 0.01')	39.10	ft
Length of Water Column	11.10	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

50.2

Purge Technique Utilized (bailer, pump)

Well Yield *Low* ☐ *Medium* ☐ *High* ☐

Quality Assurance

Meter	Horiba U-52-2		*Meter*	Horiba U-52-2	
Serial Number	VPTPGA3X	*or*	*Serial Number*	V3KNWUE9	
Calibration Constant	4.00 su		*Calibration Constant*	4.00 su	
Calibration Constant	4.49 mS/cm		*Calibration Constant*	4.49 mS/cm	
Calibration Constant	0.0 NTU		*Calibration Constant*	0.0 NTU	
Last Calibration (time)	1150		*Last Verification (time)*	—	

Volume (gal)	INT									
Time (military)	1335									
pH (su)	6.73									
Spec Conductivity (mS/cm)	0.436									
Water Temperature (°C)	20.1									
Turbidity (NTU)	24.2									
Dissolved Oxygen (mg/L)	9.27									

Well Condition Information

-overall condition acceptable?	YES
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information	
Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 /12 /2019
Field Personnel	BF RP KH
General Weather	Overcast
Ambient Air Temperature	50 °F

Quality Assurance				
Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0805		Last Verification (time)	

Monitoring Well Information		
Well ID	07303 - RW4	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	4	in
Screened Interval	30.1-50.1	ft
Total Well Depth (nearest 0.1')	50.4	ft
Depth to Groundwater (nearest 0.01')	38.25	ft
Length of Water Column	12.15	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield Low ☐ Medium ☐ High ☐		

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

50.4

Volume (gal)	INT										
Time (military)	1116										
pH (su)	6.29										
Spec Conductivity (mS/cm)	0.252										
Water Temperature (°C)	17.2										
Turbidity (NTU)	1.4										
Dissolved Oxygen (mg/L)	1.65										

Well Condition Information	
-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Slight petrol odor

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2/13/2019
Field Personnel	FH BF RP
General Weather	clear
Ambient Air Temperature	50 F

Quality Assurance

Meter	Horiba U-52-2	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or Serial Number	V3KNWUE9	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	
Last Calibration (time)	1159	Last Verification (time)		

Monitoring Well Information

Well ID	07303 - RW5
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	4	in
Screened Interval	30-50	ft
Total Well Depth (nearest 0.1')	50.1	ft
Depth to Groundwater (nearest 0.01')	35.50	ft
Length of Water Column	14.60	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield Low ☐ Medium ☐ High ☐		

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

50.1

Volume (gal)	INT										
Time (military)	1245										
pH (su)	7.35										
Spec Conductivity (mS/cm)	0.357										
Water Temperature (°C)	20.1										
Turbidity (NTU)	29.3										
Dissolved Oxygen (mg/L)	8.22										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Strong petrol odor

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 /13 /2019
Field Personnel	BF FH
General Weather	clear
Ambient Air Temperature	50s

Monitoring Well Information

Well ID	07303 - SW1
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter		in
Screened Interval		ft
Total Well Depth (nearest 0.1')		ft
Depth to Groundwater (nearest 0.01')		ft
Length of Water Column		ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield *Low* ☐ *Medium* ☐ *High* ☐

Quality Assurance

Meter	Horiba U-52-2		*Meter*	Horiba U-52-2	
Serial Number	VPTPGA3X	*or*	*Serial Number*	V3KNWUE9	
Calibration Constant	4.00 su		*Calibration Constant*	4.00 su	
Calibration Constant	4.49 mS/cm		*Calibration Constant*	4.49 mS/cm	
Calibration Constant	0.0 NTU		*Calibration Constant*	0.0 NTU	
Last Calibration (time)	1150		*Last Verification (time)*	1550	

Volume (gal)	INT									
Time (military)	1702									
pH (su)	6.42									
Spec Conductivity (mS/cm)	0.082									
Water Temperature (°C)	14.3									
Turbidity (NTU)	18.6									
Dissolved Oxygen (mg/L)	11.63									

Well Condition Information

-overall condition acceptable?	
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170Q
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	2 / 13 /2019
Field Personnel	BF KH
General Weather	Clear
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - SW2
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter		in
Screened Interval		ft
Total Well Depth (nearest 0.1')		ft
Depth to Groundwater (nearest 0.01')		ft
Length of Water Column		ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	1150		Last Verification (time)	1550	

Volume (gal)	INT										
Time (military)	1657										
pH (su)	5.73										
Spec Conductivity (mS/cm)	0.160										
Water Temperature (°C)	14.8										
Turbidity (NTU)	166										
Dissolved Oxygen (mg/L)	2.51										

Well Condition Information

-overall condition acceptable?	
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

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HORIBA U-52-2 DAILY CALIBRATION DATA SHEET

Serial Number: VWKAUMKJ **Date/Time:** 2-11-19 1445 **Inspector:** KH BF RP

Solution Manufacturer: ~~[illegible]~~ Eastern Solutions Lot Number: 172179 **Expiration Date:** 12-30-19

Solution Value	***Instrument Reading***	***Accuracy***
pH: 4.00	3.98	± 0.02
Conductivity: 4.49 mS/cm	4.51 mS/cm	± 0.02 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0 NTU

	Standard Reading	***Instrument Reading***	***Accuracy***
NIST-Traceable Thermometer:	19.3 °C	19.2 °C	± 0.1 °C

QAPP Acceptance Criteria

Field Parameter	***Accuracy***
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

Fmr. L.L Cricket 339
2/7 ~~P~~ Q

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HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number: VWKAUMKJ **Date/Time:** 2-11-19 1830 **Inspector:** KH BF RP

Solution Manufacturer: ~~Aurical~~ EASTERN SOLUTIONS Lot Number: 1712d79 Expiration Date: 12/30/19

Solution Value	***Instrument Reading***	***Accuracy***
pH: 4.00	3.99	± 0.01
Conductivity: 4.49 mS/cm	4.52 mS/cm	± 0.03 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0 NTU

	Standard Reading	***Instrument Reading***	***Accuracy***
NIST-Traceable Thermometer:	17.6 °C	17.5 °C	± 0.1 °C

QAPP Acceptance Criteria

Field Parameter	***Accuracy***
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

Fmr Lil Cricket 339
2/7 ~~[illegible]~~ Q

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HORIBA U-52-2 DAILY CALIBRATION DATA SHEET

Serial Number: VWKAUMKJ **Date/Time:** 2-12-19 0805 **Inspector:** KH BF RP

Solution Manufacturer: ~~Aurical~~ Eastern Solutions **Lot Number:** 17/2879 **Expiration Date:** 12-30-19

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	4.05	± 0.05
Conductivity: 4.49 mS/cm	4.52 mS/cm	± 0.03 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	13.1 °C	12.9 °C	± 0.2 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

Fnw. L.1 Cricket 339
2/7 ~~0~~ Q

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HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number: VWKAUMKJ Date/Time: 2-12-19 1205 Inspector: KH BF RP

Solution Manufacturer: Eastern Solutions [redacted] Lot Number: 17/2/79 Expiration Date: 12 30 19

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	4.00	± 0
Conductivity: 4.49 mS/cm	4.50 mS/cm	± 0.01 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	16.4 °C	16.5 °C	± 0.1 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

Fmr L.I Cricket 339
2/7 Q

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HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number: VWKALMKJ Date/Time: 2-12-19 1405 Inspector: KH BF PP

Solution Manufacturer: Eastern Scientific Lot Number: 1/2/19 Expiration Date: 12/30/19

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	4.01	± 0.01
Conductivity: 4.49 mS/cm	4.51 mS/cm	± 0.02 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	19.3 °C	19.1 °C	± 0.2 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

Fmr. Li Cricket 339
2170BQ

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HORIBA U-52-2 DAILY CALIBRATION DATA SHEET

Serial Number: V9FB4ALS ~~VWKAUMKJ~~ **Date/Time:** 2-13-19 1150 **Inspector:** KH BF RP

Solution Manufacturer: Eastern Solutions ~~[illegible]~~ **Lot Number:** 172879 **Expiration Date:** 12-30-19

Solution Value	***Instrument Reading***	***Accuracy***
pH: 4.00	4.03	± 0.03
Conductivity: 4.49 mS/cm	4.50 mS/cm	± 0.01 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0 NTU

	Standard Reading	***Instrument Reading***	***Accuracy***
NIST-Traceable Thermometer:	12.4 °C	12.5 °C	± 0.1 °C

QAPP Acceptance Criteria

Field Parameter	***Accuracy***
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

Fmr. L1 Cricket 339
2/7 ~~[illegible]~~ Q

TERRY *Environmental Services*

HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number: V9FB4ALS [redacted] Date/Time: 2-13-19 1550 Inspector: KH BF RP

Solution Manufacturer: Eastern Scientific Lot Number: 1/2/19 Expiration Date: 12 30 19

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	4.00	± 0
Conductivity: 4.49 mS/cm	4.55 mS/cm	±0.06 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	16.2 °C	16.2 °C	± 0.2 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

Fmr L1 Cricket 339
2/7 @ 0

TERRY *Environmental Services*

HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number: V9FB4ALS Date/Time: 2-13-19 1815 Inspector: FH BF PP

Solution Manufacturer: Eastern Scientific Lot Number: 17279 Expiration Date: 12.30.19

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	4.00	± 0
Conductivity: 4.49 mS/cm	4.49 mS/cm	± 0 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	15.3 °C	15.1 °C	± 0.2 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

Fmr 4| Cricket 339
2|70PPQ

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HORIBA U-52-2 DAILY CALIBRATION DATA SHEET

Serial Number: ~~[illegible]~~ V9FB4ALS **Date/Time:** 2-14-19 0810 **Inspector:** KH BF

Solution Manufacturer: ~~[illegible]~~ Eastern Solutions **Lot Number:** 7/2019 **Expiration Date:** 12-30-19

Solution Value	Instrument Reading	Accuracy
pH: 4.00	3.99	± 0.01
Conductivity: 4.49 mS/cm	4.68 mS/cm	± 0.19 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0 NTU

	Standard Reading	Instrument Reading	Accuracy
NIST-Traceable Thermometer:	33 °C	3.2 °C	± 0.1 °C

QAPP Acceptance Criteria

Field Parameter	Accuracy
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

Fmr. Lil Cricket 339
2170BQ

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HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number: ~~VWKAUMKJ~~ V9FB4ALS **Date/Time:** 2-14-19 1/20 **Inspector:** KH BF

Solution Manufacturer: ~~Aurient~~ EASTERN SOLUTIONS **Lot Number:** 1712d79 **Expiration Date:** 12/30/19

Solution Value	***Instrument Reading***	***Accuracy***
pH: 4.00	4.00	± 0
Conductivity: 4.49 mS/cm	4.49 mS/cm	± 0 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0 NTU

	Standard Reading	***Instrument Reading***	***Accuracy***
NIST-Traceable Thermometer:	13.2 °C	13.1 °C	± 0.1 °C

QAPP Acceptance Criteria

Field Parameter	***Accuracy***
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

Fmr. L/ Cricket 339
2/7 ~~0~~ Q

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

Terry Environmental Services, Inc.
222 Varnfield Drive
Suite F
Summerville, SC 29483
Attention: Kelly Cone

Project Name: Former Lil Cricket #339

Project Number: 2170Q

Lot Number:**UB15001**

Date Completed:02/22/2019

02/25/2019 12:26 PM
Approved and released by:
Project Manager: Kelly M. Nance

The electronic signature above is the equivalent of a handwritten signature.
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Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Case Narrative
Terry Environmental Services, Inc.
Lot Number: UB15001

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Receiving
Sample MW-23 was listed on the chain of custody twice.

Volatiles
The matrix spike duplicate (MSD) associated with sample -057 had tert-butyl formate (TBF) recovered outside of the acceptance limits. The laboratory control sample (LCS) was recovered within the required acceptance limits; therefore, this likely demonstrates a matrix effect.

EDB & DBCP
The sample result for -037 has a P qualifier because the relative percent difference (RPD) between the two dissimilar phase GC columns exceeds 40%. The lower result is reported; the higher result was 0.16 ug/L.

Due to high concentrations of the target compound, samples -034 and -036 were diluted 50X and 20X, respectively. As a result, the associated surrogates were recovered outside of the acceptance limits. No corrective action was required, as dilutions of 5X and greater impact recovery accuracy.

Sample Summary
Terry Environmental Services, Inc.
Lot Number: UB15001

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	07303 FB1	Aqueous	02/11/2019 1450	02/14/2019
002	07303 MW35	Aqueous	02/11/2019 1500	02/14/2019
003	07303 MW34	Aqueous	02/11/2019 1512	02/14/2019
004	07303 MW36	Aqueous	02/11/2019 1530	02/14/2019
005	07303 MW31	Aqueous	02/11/2019 1539	02/14/2019
006	07303 MW32	Aqueous	02/11/2019 1544	02/14/2019
007	07303 MW33	Aqueous	02/11/2019 1552	02/14/2019
008	07303 MW38	Aqueous	02/11/2019 1617	02/14/2019
009	07303 MW37	Aqueous	02/11/2019 1622	02/14/2019
010	07303 DW9	Aqueous	02/11/2019 1655	02/14/2019
011	07303 DW10	Aqueous	02/11/2019 1815	02/14/2019
012	07303 MW40	Aqueous	02/12/2019 0815	02/14/2019
013	07303 FB2	Aqueous	02/12/2019 0810	02/14/2019
014	07303 MW12	Aqueous	02/12/2019 0828	02/14/2019
015	07303 MW13	Aqueous	02/12/2019 0835	02/14/2019
016	07303 MW14	Aqueous	02/12/2019 0840	02/14/2019
017	07303 DW7	Aqueous	02/12/2019 0945	02/14/2019
018	07303 MW11	Aqueous	02/12/2019 1000	02/14/2019
019	07303 DW2	Aqueous	02/12/2019 1051	02/14/2019
020	07303 MW3	Aqueous	02/12/2019 1110	02/14/2019
021	07303 MW18	Aqueous	02/12/2019 0959	02/14/2019
022	07303 RW4	Aqueous	02/12/2019 1116	02/14/2019
023	07303 MW17	Aqueous	02/12/2019 1130	02/14/2019
024	07303 MW21	Aqueous	02/12/2019 1209	02/14/2019
025	07303 DW6	Aqueous	02/12/2019 1255	02/14/2019
026	07303 DW1	Aqueous	02/12/2019 1323	02/14/2019
027	07303 MW41	Aqueous	02/12/2019 1332	02/14/2019
028	07303 MW28	Aqueous	02/12/2019 1340	02/14/2019
029	07303 MW43	Aqueous	02/12/2019 1346	02/14/2019
030	07303 FB3	Aqueous	02/13/2019 1155	02/14/2019
031	07303 MW22	Aqueous	02/13/2019 1201	02/14/2019
032	07303 DW5	Aqueous	02/13/2019 1237	02/14/2019
033	07303 MW29	Aqueous	02/13/2019 1242	02/14/2019
034	07303 RW5	Aqueous	02/13/2019 1245	02/14/2019
035	07303 DW3	Aqueous	02/13/2019 1315	02/14/2019
036	07303 RW2	Aqueous	02/13/2019 1322	02/14/2019
037	07303 MW20	Aqueous	02/13/2019 1329	02/14/2019
038	07303 RW3	Aqueous	02/13/2019 1335	02/14/2019
039	07303 MW5R	Aqueous	02/13/2019 1355	02/14/2019
040	07303 MW16	Aqueous	02/13/2019 1425	02/14/2019
041	07303 MW9	Aqueous	02/13/2019 1440	02/14/2019
042	07303 MW30	Aqueous	02/13/2019 1455	02/14/2019
043	07303 MW48	Aqueous	02/13/2019 1652	02/14/2019
044	07303 SW2	Aqueous	02/13/2019 1657	02/14/2019
045	07303 SW1	Aqueous	02/13/2019 1702	02/14/2019

Sample Summary (Continued)

Lot Number: UB15001

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
046	07303 MW45	Aqueous	02/13/2019 1720	02/14/2019
047	07303 MW39	Aqueous	02/13/2019 1728	02/14/2019
048	07303 MW47	Aqueous	02/13/2019 1732	02/14/2019
049	07303 MW46	Aqueous	02/13/2019 1752	02/14/2019
050	07303 FB4	Aqueous	02/14/2019 0805	02/14/2019
051	07303 MW42	Aqueous	02/14/2019 0824	02/14/2019
052	07303 DW11	Aqueous	02/14/2019 0906	02/14/2019
053	07303 DW11 dup	Aqueous	02/14/2019 0908	02/14/2019
054	07303 MW15	Aqueous	02/14/2019 1011	02/14/2019
055	07303 MW26	Aqueous	02/14/2019 1028	02/14/2019
056	07303 MW26 dup	Aqueous	02/14/2019 1030	02/14/2019
057	07303 MW27	Aqueous	02/14/2019 1026	02/14/2019
058	07303 MW25	Aqueous	02/14/2019 1050	02/14/2019
059	07303 MW23	Aqueous	02/14/2019 1056	02/14/2019
060	07303 MW24	Aqueous	02/14/2019 1102	02/14/2019
061	07303 MW24 dup	Aqueous	02/14/2019 1104	02/14/2019
062	07303 TB1	Aqueous	02/11/2019	02/14/2019
063	07303 TB2	Aqueous	02/11/2019	02/14/2019

(63 samples)

Detection Summary

Terry Environmental Services, Inc.

Lot Number: UB15001

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
010	07303 DW9	Aqueous	Ethanol	8260B	55	J	ug/L	17
011	07303 DW10	Aqueous	Methyl tertiary butyl ether	8260B	0.70	J	ug/L	18
014	07303 MW12	Aqueous	Methyl tertiary butyl ether	8260B	4.8		ug/L	21
015	07303 MW13	Aqueous	Methyl tertiary butyl ether	8260B	0.63	J	ug/L	22
015	07303 MW13	Aqueous	tert-butyl alcohol (TBA)	8260B	15	J	ug/L	22
017	07303 DW7	Aqueous	Benzene	8260B	0.50	J	ug/L	24
017	07303 DW7	Aqueous	Methyl tertiary butyl ether	8260B	4.3		ug/L	24
019	07303 DW2	Aqueous	Benzene	8260B	0.54	J	ug/L	26
019	07303 DW2	Aqueous	Methyl tertiary butyl ether	8260B	7.1		ug/L	26
019	07303 DW2	Aqueous	tert-butyl alcohol (TBA)	8260B	8.4	J	ug/L	26
021	07303 MW18	Aqueous	tert-Amyl alcohol (TAA)	8260B	8.4	J	ug/L	28
021	07303 MW18	Aqueous	tert-Amyl methyl ether	8260B	0.71	J	ug/L	28
021	07303 MW18	Aqueous	Benzene	8260B	3.4		ug/L	28
021	07303 MW18	Aqueous	Methyl tertiary butyl ether	8260B	13		ug/L	28
021	07303 MW18	Aqueous	Naphthalene	8260B	2.5		ug/L	28
021	07303 MW18	Aqueous	tert-butyl alcohol (TBA)	8260B	58		ug/L	28
021	07303 MW18	Aqueous	Xylenes (total)	8260B	0.46	J	ug/L	28
022	07303 RW4	Aqueous	tert-Amyl alcohol (TAA)	8260B	38		ug/L	29
022	07303 RW4	Aqueous	tert-Amyl methyl ether	8260B	0.72	J	ug/L	29
022	07303 RW4	Aqueous	Benzene	8260B	17		ug/L	29
022	07303 RW4	Aqueous	1,2-Dichloroethane	8260B	1.1		ug/L	29
022	07303 RW4	Aqueous	Diisopropyl ether (IPE)	8260B	1.5		ug/L	29
022	07303 RW4	Aqueous	Ethylbenzene	8260B	19		ug/L	29
022	07303 RW4	Aqueous	Methyl tertiary butyl ether	8260B	17		ug/L	29
022	07303 RW4	Aqueous	tert-butyl alcohol (TBA)	8260B	48		ug/L	29
022	07303 RW4	Aqueous	Toluene	8260B	1.6		ug/L	29
022	07303 RW4	Aqueous	Xylenes (total)	8260B	8.8		ug/L	29
023	07303 MW17	Aqueous	Methyl tertiary butyl ether	8260B	0.56	J	ug/L	30
025	07303 DW6	Aqueous	Ethanol	8260B	110		ug/L	32
026	07303 DW1	Aqueous	tert-Amyl alcohol (TAA)	8260B	16	J	ug/L	33
026	07303 DW1	Aqueous	tert-Amyl methyl ether	8260B	1.4	J	ug/L	33
026	07303 DW1	Aqueous	Methyl tertiary butyl ether	8260B	26		ug/L	33
026	07303 DW1	Aqueous	tert-butyl alcohol (TBA)	8260B	30		ug/L	33
031	07303 MW22	Aqueous	Methyl tertiary butyl ether	8260B	0.44	J	ug/L	38
034	07303 RW5	Aqueous	tert-Amyl methyl ether	8260B	170	J	ug/L	41
034	07303 RW5	Aqueous	Benzene	8260B	280		ug/L	41
034	07303 RW5	Aqueous	Ethylbenzene	8260B	2700		ug/L	41
034	07303 RW5	Aqueous	Methyl tertiary butyl ether	8260B	860		ug/L	41
034	07303 RW5	Aqueous	Naphthalene	8260B	740		ug/L	41
034	07303 RW5	Aqueous	tert-butyl alcohol (TBA)	8260B	4900		ug/L	41
034	07303 RW5	Aqueous	Toluene	8260B	11000		ug/L	41
034	07303 RW5	Aqueous	Xylenes (total)	8260B	21000		ug/L	41
034	07303 RW5	Aqueous	1,2-Dibromoethane (EDB)	8011	21		ug/L	41
035	07303 DW3	Aqueous	Benzene	8260B	0.98	J	ug/L	42
035	07303 DW3	Aqueous	Methyl tertiary butyl ether	8260B	4.6		ug/L	42

Detection Summary (Continued)

Lot Number: UB15001

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
035	07303 DW3	Aqueous	tert-butyl alcohol (TBA)	8260B	11	J	ug/L	42
036	07303 RW2	Aqueous	tert-Amyl alcohol (TAA)	8260B	4500		ug/L	43
036	07303 RW2	Aqueous	tert-Amyl methyl ether	8260B	74	J	ug/L	43
036	07303 RW2	Aqueous	Benzene	8260B	320		ug/L	43
036	07303 RW2	Aqueous	Ethylbenzene	8260B	860		ug/L	43
036	07303 RW2	Aqueous	Methyl tertiary butyl ether	8260B	380		ug/L	43
036	07303 RW2	Aqueous	Naphthalene	8260B	910		ug/L	43
036	07303 RW2	Aqueous	tert-butyl alcohol (TBA)	8260B	16000		ug/L	43
036	07303 RW2	Aqueous	Toluene	8260B	1500		ug/L	43
036	07303 RW2	Aqueous	Xylenes (total)	8260B	8500		ug/L	43
036	07303 RW2	Aqueous	1,2-Dibromoethane (EDB)	8011	13		ug/L	43
037	07303 MW20	Aqueous	tert-Amyl alcohol (TAA)	8260B	250		ug/L	44
037	07303 MW20	Aqueous	tert-Amyl methyl ether	8260B	9.1	J	ug/L	44
037	07303 MW20	Aqueous	Benzene	8260B	82		ug/L	44
037	07303 MW20	Aqueous	Ethylbenzene	8260B	84		ug/L	44
037	07303 MW20	Aqueous	Methyl tertiary butyl ether	8260B	47		ug/L	44
037	07303 MW20	Aqueous	Naphthalene	8260B	60		ug/L	44
037	07303 MW20	Aqueous	tert-butyl alcohol (TBA)	8260B	820		ug/L	44
037	07303 MW20	Aqueous	Toluene	8260B	1000		ug/L	44
037	07303 MW20	Aqueous	Xylenes (total)	8260B	2300		ug/L	44
037	07303 MW20	Aqueous	1,2-Dibromoethane (EDB)	8011	0.083	P	ug/L	44
038	07303 RW3	Aqueous	tert-Amyl alcohol (TAA)	8260B	1800		ug/L	45
038	07303 RW3	Aqueous	tert-Amyl methyl ether	8260B	43	J	ug/L	45
038	07303 RW3	Aqueous	Benzene	8260B	540		ug/L	45
038	07303 RW3	Aqueous	Diisopropyl ether (IPE)	8260B	19		ug/L	45
038	07303 RW3	Aqueous	Ethylbenzene	8260B	1200		ug/L	45
038	07303 RW3	Aqueous	Methyl tertiary butyl ether	8260B	250		ug/L	45
038	07303 RW3	Aqueous	Naphthalene	8260B	570		ug/L	45
038	07303 RW3	Aqueous	tert-butyl alcohol (TBA)	8260B	4300		ug/L	45
038	07303 RW3	Aqueous	Toluene	8260B	320		ug/L	45
038	07303 RW3	Aqueous	Xylenes (total)	8260B	7400		ug/L	45
038	07303 RW3	Aqueous	1,2-Dibromoethane (EDB)	8011	2.6		ug/L	45
040	07303 MW16	Aqueous	Methyl tertiary butyl ether	8260B	1.7		ug/L	47
041	07303 MW9	Aqueous	tert-Amyl alcohol (TAA)	8260B	1100		ug/L	48
041	07303 MW9	Aqueous	tert-Amyl methyl ether	8260B	150		ug/L	48
041	07303 MW9	Aqueous	Benzene	8260B	1100		ug/L	48
041	07303 MW9	Aqueous	1,2-Dichloroethane	8260B	45		ug/L	48
041	07303 MW9	Aqueous	Diisopropyl ether (IPE)	8260B	140		ug/L	48
041	07303 MW9	Aqueous	Ethylbenzene	8260B	860		ug/L	48
041	07303 MW9	Aqueous	Methyl tertiary butyl ether	8260B	3100		ug/L	48
041	07303 MW9	Aqueous	Naphthalene	8260B	270		ug/L	48
041	07303 MW9	Aqueous	tert-butyl alcohol (TBA)	8260B	3100		ug/L	48
041	07303 MW9	Aqueous	Toluene	8260B	130		ug/L	48
041	07303 MW9	Aqueous	Xylenes (total)	8260B	570		ug/L	48
042	07303 MW30	Aqueous	Benzene	8260B	0.45	J	ug/L	49
042	07303 MW30	Aqueous	Methyl tertiary butyl ether	8260B	0.77	J	ug/L	49
045	07303 SW1	Aqueous	Methyl tertiary butyl ether	8260B	5.4		ug/L	52
045	07303 SW1	Aqueous	tert-butyl alcohol (TBA)	8260B	16	J	ug/L	52

Detection Summary (Continued)

Lot Number: UB15001

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
052	07303 DW11	Aqueous	tert-Amyl alcohol (TAA)	8260B	58		ug/L	59
052	07303 DW11	Aqueous	tert-Amyl methyl ether	8260B	2.6	J	ug/L	59
052	07303 DW11	Aqueous	Benzene	8260B	2.0		ug/L	59
052	07303 DW11	Aqueous	Diisopropyl ether (IPE)	8260B	1.3		ug/L	59
052	07303 DW11	Aqueous	Methyl tertiary butyl ether	8260B	23		ug/L	59
052	07303 DW11	Aqueous	tert-butyl alcohol (TBA)	8260B	150		ug/L	59
053	07303 DW11 dup	Aqueous	tert-Amyl alcohol (TAA)	8260B	56		ug/L	60
053	07303 DW11 dup	Aqueous	tert-Amyl methyl ether	8260B	2.0	J	ug/L	60
053	07303 DW11 dup	Aqueous	Benzene	8260B	1.6		ug/L	60
053	07303 DW11 dup	Aqueous	Diisopropyl ether (IPE)	8260B	1.1		ug/L	60
053	07303 DW11 dup	Aqueous	Methyl tertiary butyl ether	8260B	19		ug/L	60
053	07303 DW11 dup	Aqueous	tert-butyl alcohol (TBA)	8260B	140		ug/L	60
054	07303 MW15	Aqueous	tert-Amyl alcohol (TAA)	8260B	130		ug/L	61
054	07303 MW15	Aqueous	tert-Amyl methyl ether	8260B	2.3	J	ug/L	61
054	07303 MW15	Aqueous	Benzene	8260B	52		ug/L	61
054	07303 MW15	Aqueous	1,2-Dichloroethane	8260B	1.4		ug/L	61
054	07303 MW15	Aqueous	Diisopropyl ether (IPE)	8260B	1.2		ug/L	61
054	07303 MW15	Aqueous	Ethylbenzene	8260B	21		ug/L	61
054	07303 MW15	Aqueous	Methyl tertiary butyl ether	8260B	18		ug/L	61
054	07303 MW15	Aqueous	Naphthalene	8260B	180		ug/L	61
054	07303 MW15	Aqueous	tert-butyl alcohol (TBA)	8260B	340		ug/L	61
054	07303 MW15	Aqueous	Toluene	8260B	9.4		ug/L	61
054	07303 MW15	Aqueous	Xylenes (total)	8260B	870		ug/L	61
057	07303 MW27	Aqueous	Benzene	8260B	130		ug/L	64
057	07303 MW27	Aqueous	Ethylbenzene	8260B	2100		ug/L	64
057	07303 MW27	Aqueous	Naphthalene	8260B	630		ug/L	64
057	07303 MW27	Aqueous	Toluene	8260B	81		ug/L	64
057	07303 MW27	Aqueous	Xylenes (total)	8260B	6800		ug/L	64
060	07303 MW24	Aqueous	Ethylbenzene	8260B	0.48	J	ug/L	67
061	07303 MW24 dup	Aqueous	Ethylbenzene	8260B	0.42	J	ug/L	68

(123 detections)

Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-001**

Description: **07303 FB1** Matrix: **Aqueous**

Date Sampled: **02/11/2019 1450**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2019 1839	STM		97773

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		119	70-130
Bromofluorobenzene		114	70-130
Toluene-d8		117	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0059	DAL1	02/15/2019 1503	97693

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		91	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-002**

Description: **07303 MW35** Matrix: **Aqueous**

Date Sampled: **02/11/2019 1500**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2019 1931	STM		97773

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		117	70-130
Bromofluorobenzene		113	70-130
Toluene-d8		118	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0110	DAL1	02/15/2019 1503	97693

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		90	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW34**
Date Sampled: **02/11/2019 1512**
Date Received: **02/14/2019**

Laboratory ID: **UB15001-003**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2019 1957	STM		97773

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		119	70-130
Bromofluorobenzene		116	70-130
Toluene-d8		117	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0203	DAL1	02/18/2019 0920	97823

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		87	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW36**
Date Sampled: **02/11/2019 1530**
Date Received: **02/14/2019**

Laboratory ID: **UB15001-004**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2019 2023	STM		97773

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		120	70-130
Bromofluorobenzene		117	70-130
Toluene-d8		117	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0225	DAL1	02/18/2019 0920	97823

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		89	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-005**

Description: **07303 MW31** Matrix: **Aqueous**

Date Sampled: **02/11/2019 1539**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2019 2049	STM		97773

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		119	70-130
Bromofluorobenzene		116	70-130
Toluene-d8		117	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0246	DAL1	02/18/2019 0920	97823

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		92	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW32**
Date Sampled: **02/11/2019 1544**
Date Received: **02/14/2019**

Laboratory ID: **UB15001-006**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2019 2115	STM		97773

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		120	70-130
Bromofluorobenzene		115	70-130
Toluene-d8		117	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0256	DAL1	02/18/2019 0920	97823

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		91	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW33**
Date Sampled: **02/11/2019 1552**
Date Received: **02/14/2019**

Laboratory ID: **UB15001-007**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2019 2142	STM		97773

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		116	70-130
Bromofluorobenzene		119	70-130
Toluene-d8		119	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0307	DAL1	02/18/2019 0920	97823

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		89	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Laboratory ID: **UB15001-008**
Description: **07303 MW38**
Matrix: **Aqueous**
Date Sampled: **02/11/2019 1617**
Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2019 2208	STM		97773

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		118	70-130
Bromofluorobenzene		111	70-130
Toluene-d8		113	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0317	DAL1	02/18/2019 0920	97823

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		84	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW37**
Date Sampled: **02/11/2019 1622**
Date Received: **02/14/2019**

Laboratory ID: **UB15001-009**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2019 2234	STM		97773

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		122	70-130
Bromofluorobenzene		115	70-130
Toluene-d8		116	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0328	DAL1	02/18/2019 0920	97823

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		91	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-010**

Description: **07303 DW9** Matrix: **Aqueous**

Date Sampled: **02/11/2019 1655**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2019 2301	STM		97773

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	**64-17-5**	**8260B**	**55**	**J**	**100**	**52**	**ug/L**	**1**
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		121	70-130
Bromofluorobenzene		113	70-130
Toluene-d8		117	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0339	DAL1	02/18/2019 0920	97823

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		92	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-011**

Description: **07303 DW10** Matrix: **Aqueous**

Date Sampled: **02/11/2019 1815**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2019 2327	STM		97773

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**0.70**	**J**	**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		119	70-130
Bromofluorobenzene		116	70-130
Toluene-d8		118	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0350	DAL1	02/18/2019 0920	97823

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		94	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW40**
Date Sampled: **02/12/2019 0815**
Date Received: **02/14/2019**

Laboratory ID: **UB15001-012**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2019 2353	STM		97773

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		121	70-130
Bromofluorobenzene		111	70-130
Toluene-d8		116	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0400	DAL1	02/18/2019 0920	97823

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		94	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-013**

Description: **07303 FB2** Matrix: **Aqueous**

Date Sampled: **02/12/2019 0810**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2019 1905	STM		97773

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		118	70-130
Bromofluorobenzene		115	70-130
Toluene-d8		118	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0411	DAL1	02/18/2019 0920	97823

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		97	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW12**
Date Sampled: **02/12/2019 0828**
Date Received: **02/14/2019**

Laboratory ID: **UB15001-014**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/17/2019 0020	STM		97773

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**4.8**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		120	70-130
Bromofluorobenzene		114	70-130
Toluene-d8		117	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0422	DAL1	02/18/2019 0920	97823

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		94	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-015**

Description: **07303 MW13** Matrix: **Aqueous**

Date Sampled: **02/12/2019 0835**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/17/2019 0046	STM		97773

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**0.63**	**J**	**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**15**	**J**	**20**	**8.0**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		120	70-130
Bromofluorobenzene		116	70-130
Toluene-d8		115	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0432	DAL1	02/18/2019 0920	97823

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		95	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-016**

Description: **07303 MW14** Matrix: **Aqueous**

Date Sampled: **02/12/2019 0840**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/17/2019 0112	STM		97773

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		122	70-130
Bromofluorobenzene		118	70-130
Toluene-d8		119	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0443	DAL1	02/18/2019 0920	97823

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		96	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Description: **07303 DW7**
Date Sampled: **02/12/2019 0945**
Date Received: **02/14/2019**

Laboratory ID: **UB15001-017**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/17/2019 0139	STM		97773

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.50**	**J**	**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**4.3**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		119	70-130
Bromofluorobenzene		113	70-130
Toluene-d8		115	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0454	DAL1	02/18/2019 0920	97823

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		93	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-018**

Description: **07303 MW11** Matrix: **Aqueous**

Date Sampled: **02/12/2019 1000**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/18/2019 2344	MNS		97957

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		97	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0505	DAL1	02/18/2019 0920	97823

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		93	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-019**

Description: **07303 DW2** Matrix: **Aqueous**

Date Sampled: **02/12/2019 1051**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/19/2019 0006	MNS		97957

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.54**	**J**	**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**7.1**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**8.4**	**J**	**20**	**8.0**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		99	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0515	DAL1	02/18/2019 0920	97823

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		99	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-020**

Description: **07303 MW3** Matrix: **Aqueous**

Date Sampled: **02/12/2019 1110**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/19/2019 0029	MNS		97957

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		97	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0526	DAL1	02/18/2019 0920	97823

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		96	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-021**

Description: **07303 MW18** Matrix: **Aqueous**

Date Sampled: **02/12/2019 0959**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/19/2019 0051	MNS		97957

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**8.4**	**J**	**20**	**8.0**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**0.71**	**J**	**10**	**0.42**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**3.4**		**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**13**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**2.5**		**1.0**	**0.40**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**58**		**20**	**8.0**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	**1330-20-7**	**8260B**	**0.46**	**J**	**1.0**	**0.40**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		94	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0537	DAL1	02/18/2019 0920	97823

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		91	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-022**

Description: **07303 RW4** Matrix: **Aqueous**

Date Sampled: **02/12/2019 1116**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/19/2019 0113	MNS		97957

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**38**		**20**	**8.0**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**0.72**	**J**	**10**	**0.42**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**17**		**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	**107-06-2**	**8260B**	**1.1**		**1.0**	**0.40**	**ug/L**	**1**
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**1.5**		**1.0**	**0.40**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**19**		**1.0**	**0.40**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**17**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**48**		**20**	**8.0**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**1.6**		**1.0**	**0.40**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**8.8**		**1.0**	**0.40**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		97	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0548	DAL1	02/18/2019 0920	97823

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		108	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-023**

Description: **07303 MW17** Matrix: **Aqueous**

Date Sampled: **02/12/2019 1130**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/19/2019 0136	MNS		97957

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**0.56**	**J**	**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		99	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0631	DAL1	02/18/2019 0920	97830

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		101	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW21**
Date Sampled: **02/12/2019 1209**
Date Received: **02/14/2019**

Laboratory ID: **UB15001-024**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/19/2019 0158	MNS		97957

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		98	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0652	DAL1	02/18/2019 0920	97830

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		95	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-025**

Description: **07303 DW6** Matrix: **Aqueous**

Date Sampled: **02/12/2019 1255**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/19/2019 0219	MNS		97957

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	**64-17-5**	**8260B**	**110**		**100**	**52**	**ug/L**	**1**
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		96	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0714	DAL1	02/18/2019 0920	97830

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		89	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-026**

Description: **07303 DW1** Matrix: **Aqueous**

Date Sampled: **02/12/2019 1323**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/19/2019 0242	MNS		97957

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**16**	**J**	**20**	**8.0**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**1.4**	**J**	**10**	**0.42**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**26**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**30**		**20**	**8.0**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		94	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0725	DAL1	02/18/2019 0920	97830

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		95	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-027**

Description: **07303 MW41** Matrix: **Aqueous**

Date Sampled: **02/12/2019 1332**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/19/2019 0304	MNS		97957

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		98	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0735	DAL1	02/18/2019 0920	97830

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		95	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-028**

Description: **07303 MW28** Matrix: **Aqueous**

Date Sampled: **02/12/2019 1340**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/19/2019 0327	MNS		97957

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		99	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0746	DAL1	02/18/2019 0920	97830

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		96	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-029**

Description: **07303 MW43** Matrix: **Aqueous**

Date Sampled: **02/12/2019 1346**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/19/2019 0349	MNS		97957

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		98	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0757	DAL1	02/18/2019 0920	97830

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		95	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-030**

Description: **07303 FB3** Matrix: **Aqueous**

Date Sampled: **02/13/2019 1155**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/19/2019 0411	MNS		97957

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		98	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0807	DAL1	02/18/2019 0920	97830

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		96	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-031**

Description: **07303 MW22** Matrix: **Aqueous**

Date Sampled: **02/13/2019 1201**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/19/2019 0434	MNS		97957

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**0.44**	**J**	**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		92	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0818	DAL1	02/18/2019 0920	97830

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		89	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-032**

Description: **07303 DW5** Matrix: **Aqueous**

Date Sampled: **02/13/2019 1237**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/19/2019 0457	MNS		97957

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		99	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0829	DAL1	02/18/2019 0920	97830

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		94	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-033**

Description: **07303 MW29** Matrix: **Aqueous**

Date Sampled: **02/13/2019 1242**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/19/2019 0519	MNS		97957

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		97	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0840	DAL1	02/18/2019 0920	97830

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		94	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-034**

Description: **07303 RW5** Matrix: **Aqueous**

Date Sampled: **02/13/2019 1245**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	02/18/2019 1129	JJG		97886

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		2000	800	ug/L	1
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**170**	**J**	**1000**	**42**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**280**		**100**	**40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		500	200	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		100	40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		100	40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		2000	800	ug/L	1
Ethanol	64-17-5	8260B	ND		10000	5200	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**2700**		**100**	**40**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**860**		**100**	**40**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**740**		**100**	**40**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**4900**		**2000**	**800**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**11000**		**100**	**40**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**21000**		**100**	**40**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		101	70-130
Toluene-d8		101	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	50	02/20/2019 1228	DAL1	02/18/2019 0920	97830

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**21**		**0.98**	**0.98**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	0.00	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-035**

Description: **07303 DW3** Matrix: **Aqueous**

Date Sampled: **02/13/2019 1315**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/18/2019 1151	JJG		97886

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.98**	**J**	**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**4.6**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**11**	**J**	**20**	**8.0**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		101	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0901	DAL1	02/18/2019 0920	97830

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		89	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-036**

Description: **07303 RW2** Matrix: **Aqueous**

Date Sampled: **02/13/2019 1322**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	02/18/2019 1213	JJG		97886

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**4500**		**2000**	**800**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**74**	**J**	**1000**	**42**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**320**		**100**	**40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		500	200	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		100	40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		100	40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		2000	800	ug/L	1
Ethanol	64-17-5	8260B	ND		10000	5200	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**860**		**100**	**40**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**380**		**100**	**40**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**910**		**100**	**40**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**16000**		**2000**	**800**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**1500**		**100**	**40**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**8500**		**100**	**40**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		99	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	20	02/20/2019 1239	DAL1	02/18/2019 0920	97830

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**13**		**0.39**	**0.39**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	0.00	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Laboratory ID: **UB15001-037**
Description: **07303 MW20**
Matrix: **Aqueous**
Date Sampled: **02/13/2019 1329**
Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	10	02/18/2019 1236	JJG		97886

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**250**		**200**	**80**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**9.1**	**J**	**100**	**4.2**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**82**		**10**	**4.0**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		50	20	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		10	4.0	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	4.0	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		200	80	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	520	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**84**		**10**	**4.0**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		10	4.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**47**		**10**	**4.0**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**60**		**10**	**4.0**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**820**		**200**	**80**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**1000**		**10**	**4.0**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**2300**		**10**	**4.0**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		96	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0922	DAL1	02/18/2019 0920	97830

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**0.083**	**P**	**0.020**	**0.020**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		83	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-038**

Description: **07303 RW3** Matrix: **Aqueous**

Date Sampled: **02/13/2019 1335**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	02/18/2019 1258	JJG		97886
2	5030B	8260B	10	02/20/2019 0440	MNS		98123

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**1800**		**200**	**80**	**ug/L**	**2**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**43**	**J**	**100**	**4.2**	**ug/L**	**2**
Benzene	**71-43-2**	**8260B**	**540**		**10**	**4.0**	**ug/L**	**2**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		50	20	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	ND		10	4.0	ug/L	2
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**19**		**10**	**4.0**	**ug/L**	**2**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		200	80	ug/L	2
Ethanol	64-17-5	8260B	ND		1000	520	ug/L	2
Ethylbenzene	**100-41-4**	**8260B**	**1200**		**10**	**4.0**	**ug/L**	**2**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		10	4.0	ug/L	2
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**250**		**10**	**4.0**	**ug/L**	**2**
Naphthalene	**91-20-3**	**8260B**	**570**		**10**	**4.0**	**ug/L**	**2**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**4300**		**200**	**80**	**ug/L**	**2**
Toluene	**108-88-3**	**8260B**	**320**		**10**	**4.0**	**ug/L**	**2**
Xylenes (total)	**1330-20-7**	**8260B**	**7400**		**50**	**20**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Run 1 Acceptance Limits	Q	Run 2 % Recovery	Run 2 Acceptance Limits
1,2-Dichloroethane-d4		97	70-130		94	70-130
Bromofluorobenzene		102	70-130		97	70-130
Toluene-d8		99	70-130		98	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	5	02/20/2019 1300	DAL1	02/18/2019 0920	97830

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**2.6**		**0.097**	**0.097**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Run 1 Acceptance Limits
1,1,1,2-Tetrachloroethane		73	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW5R**
Date Sampled: **02/13/2019 1355**
Date Received: **02/14/2019**

Laboratory ID: **UB15001-039**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/18/2019 1320	JJG		97886

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		99	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0943	DAL1	02/18/2019 0920	97830

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		93	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW16**
Date Sampled: **02/13/2019 1425**
Date Received: **02/14/2019**

Laboratory ID: **UB15001-040**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/18/2019 1342	JJG		97886

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**1.7**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		101	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 0954	DAL1	02/18/2019 0920	97830

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		94	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-041**

Description: **07303 MW9** Matrix: **Aqueous**

Date Sampled: **02/13/2019 1440**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	10	02/18/2019 1405	JJG		97886
2	5030B	8260B	50	02/20/2019 0310	MNS		98123

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**1100**		**200**	**80**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**150**		**100**	**4.2**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**1100**		**10**	**4.0**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		50	20	ug/L	1
1,2-Dichloroethane	**107-06-2**	**8260B**	**45**		**10**	**4.0**	**ug/L**	**1**
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**140**		**10**	**4.0**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		200	80	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	520	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**860**		**10**	**4.0**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		10	4.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**3100**		**50**	**20**	**ug/L**	**2**
Naphthalene	**91-20-3**	**8260B**	**270**		**10**	**4.0**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**3100**		**200**	**80**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**130**		**10**	**4.0**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**570**		**10**	**4.0**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Run 1 Acceptance Limits	Q	Run 2 % Recovery	Run 2 Acceptance Limits
1,2-Dichloroethane-d4		99	70-130		96	70-130
Bromofluorobenzene		103	70-130		97	70-130
Toluene-d8		100	70-130		96	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 1005	DAL1	02/18/2019 0920	97830

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Run 1 Acceptance Limits
1,1,1,2-Tetrachloroethane		94	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

Client: **Terry Environmental Services, Inc.**
Description: **07303 MW30**
Date Sampled: **02/13/2019 1455**
Date Received: **02/14/2019**

Laboratory ID: **UB15001-042**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/18/2019 1427	JJG		97886

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.45**	**J**	**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**0.77**	**J**	**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		94	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 1311	DAL1	02/18/2019 0920	97830

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		96	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-043**

Description: **07303 MW48** Matrix: **Aqueous**

Date Sampled: **02/13/2019 1652**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/18/2019 1450	JJG		97886

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		99	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 1353	DAL1	02/18/2019 0951	97831

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		95	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Description: **07303 SW2**
Date Sampled: **02/13/2019 1657**
Date Received: **02/14/2019**

Laboratory ID: **UB15001-044**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/18/2019 1512	JJG		97886

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		99	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 1415	DAL1	02/18/2019 0951	97831

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		97	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-045**

Description: **07303 SW1** Matrix: **Aqueous**

Date Sampled: **02/13/2019 1702**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/18/2019 1534	JJG		97886

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**5.4**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**16**	**J**	**20**	**8.0**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		101	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 1436	DAL1	02/18/2019 0951	97831

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		99	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW45**
Date Sampled: **02/13/2019 1720**
Date Received: **02/14/2019**

Laboratory ID: **UB15001-046**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/18/2019 1557	JJG		97886

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		99	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 1447	DAL1	02/18/2019 0951	97831

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		95	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW39**
Date Sampled: **02/13/2019 1728**
Date Received: **02/14/2019**

Laboratory ID: **UB15001-047**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/18/2019 1619	JJG		97886

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		93	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 1457	DAL1	02/18/2019 0951	97831

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		97	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-048**

Description: **07303 MW47** Matrix: **Aqueous**

Date Sampled: **02/13/2019 1732**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/18/2019 1642	JJG		97886

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		98	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 1508	DAL1	02/18/2019 0951	97831

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		92	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Laboratory ID: **UB15001-049**
Description: **07303 MW46**
Matrix: **Aqueous**
Date Sampled: **02/13/2019 1752**
Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/18/2019 1705	JJG		97886

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		102	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 1519	DAL1	02/18/2019 0951	97831

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		101	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-050**

Description: **07303 FB4** Matrix: **Aqueous**

Date Sampled: **02/14/2019 0805**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/18/2019 1727	JJG		97886

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		100	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 1530	DAL1	02/18/2019 0951	97831

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		97	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW42**
Date Sampled: **02/14/2019 0824**
Date Received: **02/14/2019**

Laboratory ID: **UB15001-051**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/18/2019 1750	JJG		97886

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		100	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 1540	DAL1	02/18/2019 0951	97831

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		95	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-052**

Description: **07303 DW11** Matrix: **Aqueous**

Date Sampled: **02/14/2019 0906**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/18/2019 1812	JJG		97886

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**58**		**20**	**8.0**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**2.6**	**J**	**10**	**0.42**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**2.0**		**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**1.3**		**1.0**	**0.40**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**23**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**150**		**20**	**8.0**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		96	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/20/2019 1551	DAL1	02/18/2019 0951	97831

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		98	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-053**

Description: **07303 DW11 dup** Matrix: **Aqueous**

Date Sampled: **02/14/2019 0908**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/18/2019 1834	JJG		97886

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**56**		**20**	**8.0**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**2.0**	**J**	**10**	**0.42**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**1.6**		**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**1.1**		**1.0**	**0.40**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**19**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**140**		**20**	**8.0**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		101	70-130
Toluene-d8		99	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/21/2019 1643	DAL1	02/18/2019 0951	97831

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		107	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-054**

Description: **07303 MW15** Matrix: **Aqueous**

Date Sampled: **02/14/2019 1011**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	10	02/18/2019 1146	JJG		97884
2	5030B	8260B	1	02/20/2019 0502	MNS		98123

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**130**		**20**	**8.0**	**ug/L**	**2**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**2.3**	**J**	**10**	**0.42**	**ug/L**	**2**
Benzene	**71-43-2**	**8260B**	**52**		**1.0**	**0.40**	**ug/L**	**2**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	2
1,2-Dichloroethane	**107-06-2**	**8260B**	**1.4**		**1.0**	**0.40**	**ug/L**	**2**
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**1.2**		**1.0**	**0.40**	**ug/L**	**2**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	2
Ethanol	64-17-5	8260B	ND		100	52	ug/L	2
Ethylbenzene	**100-41-4**	**8260B**	**21**		**1.0**	**0.40**	**ug/L**	**2**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	2
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**18**		**1.0**	**0.40**	**ug/L**	**2**
Naphthalene	**91-20-3**	**8260B**	**180**		**1.0**	**0.40**	**ug/L**	**2**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**340**		**20**	**8.0**	**ug/L**	**2**
Toluene	**108-88-3**	**8260B**	**9.4**		**1.0**	**0.40**	**ug/L**	**2**
Xylenes (total)	**1330-20-7**	**8260B**	**870**		**10**	**4.0**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Run 1 Acceptance Limits	Q	Run 2 % Recovery	Run 2 Acceptance Limits
1,2-Dichloroethane-d4		119	70-130		95	70-130
Bromofluorobenzene		118	70-130		94	70-130
Toluene-d8		116	70-130		100	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/21/2019 1653	DAL1	02/18/2019 0951	97831

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Run 1 Acceptance Limits
1,1,1,2-Tetrachloroethane		78	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-055**

Description: **07303 MW26** Matrix: **Aqueous**

Date Sampled: **02/14/2019 1028**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/18/2019 1213	JJG		97884

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		120	70-130
Bromofluorobenzene		119	70-130
Toluene-d8		118	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/21/2019 1704	DAL1	02/18/2019 0951	97831

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		96	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-056**

Description: **07303 MW26 dup** Matrix: **Aqueous**

Date Sampled: **02/14/2019 1030**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/18/2019 1238	JJG		97884

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		118	70-130
Bromofluorobenzene		117	70-130
Toluene-d8		117	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/21/2019 1715	DAL1	02/18/2019 0951	97831

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		91	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-057**

Description: **07303 MW27** Matrix: **Aqueous**

Date Sampled: **02/14/2019 1026**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	02/18/2019 1305	JJG		97884

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		1000	400	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		500	21	ug/L	1
Benzene	**71-43-2**	**8260B**	**130**		**50**	**20**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		250	100	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		50	20	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		50	20	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		1000	400	ug/L	1
Ethanol	64-17-5	8260B	ND		5000	2600	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**2100**		**50**	**20**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		50	20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		50	20	ug/L	1
Naphthalene	**91-20-3**	**8260B**	**630**		**50**	**20**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		1000	400	ug/L	1
Toluene	**108-88-3**	**8260B**	**81**		**50**	**20**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**6800**		**50**	**20**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		119	70-130
Bromofluorobenzene		120	70-130
Toluene-d8		117	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/21/2019 1725	DAL1	02/18/2019 0951	97831

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		91	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW25**
Date Sampled: **02/14/2019 1050**
Date Received: **02/14/2019**

Laboratory ID: **UB15001-058**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/18/2019 1331	JJG		97884

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		118	70-130
Bromofluorobenzene		120	70-130
Toluene-d8		118	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/21/2019 1736	DAL1	02/18/2019 0951	97831

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		92	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-059**

Description: **07303 MW23** Matrix: **Aqueous**

Date Sampled: **02/14/2019 1056**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/18/2019 1357	JJG		97884

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		118	70-130
Bromofluorobenzene		117	70-130
Toluene-d8		115	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/21/2019 1746	DAL1	02/18/2019 0951	97831

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		94	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-060**

Description: **07303 MW24** Matrix: **Aqueous**

Date Sampled: **02/14/2019 1102**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/18/2019 1423	JJG		97884

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**0.48**	**J**	**1.0**	**0.40**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		117	70-130
Bromofluorobenzene		113	70-130
Toluene-d8		114	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/21/2019 1757	DAL1	02/18/2019 0951	97831

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		96	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UB15001-061**

Description: **07303 MW24 dup** Matrix: **Aqueous**

Date Sampled: **02/14/2019 1104**

Date Received: **02/14/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/18/2019 1449	JJG		97884

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**0.42**	**J**	**1.0**	**0.40**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		118	70-130
Bromofluorobenzene		118	70-130
Toluene-d8		116	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	02/21/2019 1808	DAL1	02/18/2019 0951	97831

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		94	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Description: **07303 TB1**
Date Sampled: **02/11/2019**
Date Received: **02/14/2019**

Laboratory ID: **UB15001-062**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/18/2019 1515	JJG		97884

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		118	70-130
Bromofluorobenzene		117	70-130
Toluene-d8		118	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 TB2**
Date Sampled: **02/11/2019**
Date Received: **02/14/2019**

Laboratory ID: **UB15001-063**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/18/2019 1541	JJG		97884

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		117	70-130
Bromofluorobenzene		117	70-130
Toluene-d8		117	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: UQ97773-001
Batch: 97773
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	02/16/2019 1724
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	02/16/2019 1724
Benzene	ND		1	1.0	0.40	ug/L	02/16/2019 1724
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	02/16/2019 1724
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	02/16/2019 1724
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	02/16/2019 1724
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	02/16/2019 1724
Ethanol	ND		1	100	52	ug/L	02/16/2019 1724
Ethylbenzene	ND		1	1.0	0.40	ug/L	02/16/2019 1724
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	02/16/2019 1724
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	02/16/2019 1724
Naphthalene	ND		1	1.0	0.40	ug/L	02/16/2019 1724
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	02/16/2019 1724
Toluene	ND		1	1.0	0.40	ug/L	02/16/2019 1724
Xylenes (total)	ND		1	1.0	0.40	ug/L	02/16/2019 1724

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		120	70-130
Bromofluorobenzene		115	70-130
Toluene-d8		117	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ97773-002
Batch: 97773
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1000		1	102	70-130	02/16/2019 1620
tert-Amyl methyl ether (TAME)	50	53		1	105	70-130	02/16/2019 1620
Benzene	50	48		1	96	70-130	02/16/2019 1620
tert-Butyl formate (TBF)	250	280		1	110	70-130	02/16/2019 1620
1,2-Dichloroethane	50	56		1	111	70-130	02/16/2019 1620
Diisopropyl ether (IPE)	50	55		1	109	70-130	02/16/2019 1620
3,3-Dimethyl-1-butanol	1000	1000		1	103	70-130	02/16/2019 1620
Ethanol	5000	4800		1	96	70-130	02/16/2019 1620
Ethylbenzene	50	51		1	102	70-130	02/16/2019 1620
Ethyl-tert-butyl ether (ETBE)	50	52		1	103	70-130	02/16/2019 1620
Methyl tertiary butyl ether (MTBE)	50	53		1	105	70-130	02/16/2019 1620

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ97773-002
Batch: 97773
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Naphthalene	50	49		1	98	70-130	02/16/2019 1620
tert-butyl alcohol (TBA)	1000	1000		1	102	70-130	02/16/2019 1620
Toluene	50	51		1	103	70-130	02/16/2019 1620
Xylenes (total)	100	100		1	103	70-130	02/16/2019 1620

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		112	70-130
Toluene-d8		113	70-130

Volatile Organic Compounds by GC/MS - MB

Sample ID: UQ97884-001
Batch: 97884
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	02/18/2019 1059
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	02/18/2019 1059
Benzene	ND		1	1.0	0.40	ug/L	02/18/2019 1059
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	02/18/2019 1059
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	02/18/2019 1059
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	02/18/2019 1059
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	02/18/2019 1059
Ethanol	ND		1	100	52	ug/L	02/18/2019 1059
Ethylbenzene	ND		1	1.0	0.40	ug/L	02/18/2019 1059
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	02/18/2019 1059
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	02/18/2019 1059
Naphthalene	ND		1	1.0	0.40	ug/L	02/18/2019 1059
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	02/18/2019 1059
Toluene	ND		1	1.0	0.40	ug/L	02/18/2019 1059
Xylenes (total)	ND		1	1.0	0.40	ug/L	02/18/2019 1059

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		121	70-130
Bromofluorobenzene		118	70-130
Toluene-d8		118	70-130

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ97884-002
Batch: 97884
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1000		1	100	70-130	02/18/2019 1007
tert-Amyl methyl ether (TAME)	50	53		1	107	70-130	02/18/2019 1007
Benzene	50	49		1	98	70-130	02/18/2019 1007
tert-Butyl formate (TBF)	250	270		1	106	70-130	02/18/2019 1007
1,2-Dichloroethane	50	58		1	116	70-130	02/18/2019 1007
Diisopropyl ether (IPE)	50	55		1	110	70-130	02/18/2019 1007
3,3-Dimethyl-1-butanol	1000	1000		1	102	70-130	02/18/2019 1007
Ethanol	5000	4600		1	92	70-130	02/18/2019 1007
Ethylbenzene	50	52		1	103	70-130	02/18/2019 1007
Ethyl-tert-butyl ether (ETBE)	50	51		1	102	70-130	02/18/2019 1007
Methyl tertiary butyl ether (MTBE)	50	51		1	102	70-130	02/18/2019 1007
Naphthalene	50	48		1	95	70-130	02/18/2019 1007
tert-butyl alcohol (TBA)	1000	1000		1	100	70-130	02/18/2019 1007
Toluene	50	52		1	104	70-130	02/18/2019 1007
Xylenes (total)	100	100		1	103	70-130	02/18/2019 1007

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		117	70-130
Bromofluorobenzene		118	70-130
Toluene-d8		113	70-130

Volatile Organic Compounds by GC/MS - MS

Sample ID: UB15001-057MS
Batch: 97884
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	ND	50000	42000		50	84	70-130	02/18/2019 2002
tert-Amyl methyl ether (TAME)	ND	2500	2200		50	89	70-130	02/18/2019 2002
Benzene	130	2500	2300		50	86	70-130	02/18/2019 2002
tert-Butyl formate (TBF)	ND	13000	9000		50	72	70-130	02/18/2019 2002
1,2-Dichloroethane	ND	2500	2600		50	102	70-130	02/18/2019 2002
Diisopropyl ether (IPE)	ND	2500	2300		50	91	70-130	02/18/2019 2002
3,3-Dimethyl-1-butanol	ND	50000	42000		50	84	70-130	02/18/2019 2002
Ethanol	ND	250000	200000		50	82	70-130	02/18/2019 2002
Ethylbenzene	2100	2500	4200		50	86	70-130	02/18/2019 2002
Ethyl-tert-butyl ether (ETBE)	ND	2500	2100		50	84	70-130	02/18/2019 2002
Methyl tertiary butyl ether (MTBE)	ND	2500	2200		50	89	70-130	02/18/2019 2002

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: UB15001-057MS
Batch: 97884
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Naphthalene	630	2500	2800		50	85	70-130	02/18/2019 2002
tert-butyl alcohol (TBA)	ND	50000	44000		50	89	70-130	02/18/2019 2002
Toluene	81	2500	2300		50	89	70-130	02/18/2019 2002
Xylenes (total)	6800	5000	11000		50	86	70-130	02/18/2019 2002

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		116	70-130
Bromofluorobenzene		120	70-130
Toluene-d8		115	70-130

Volatile Organic Compounds by GC/MS - MSD

Sample ID: UB15001-057MD
Batch: 97884
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	ND	50000	37000		50	75	11	70-130	20	02/18/2019 2028
tert-Amyl methyl ether (TAME)	ND	2500	2000		50	82	9.1	70-130	20	02/18/2019 2028
Benzene	130	2500	2100		50	79	7.1	70-130	20	02/18/2019 2028
tert-Butyl formate (TBF)	ND	13000	8000	N	50	64	12	70-130	20	02/18/2019 2028
1,2-Dichloroethane	ND	2500	2300		50	92	11	70-130	20	02/18/2019 2028
Diisopropyl ether (IPE)	ND	2500	2100		50	86	6.2	70-130	20	02/18/2019 2028
3,3-Dimethyl-1-butanol	ND	50000	39000		50	77	8.3	70-130	20	02/18/2019 2028
Ethanol	ND	250000	180000		50	72	12	70-130	20	02/18/2019 2028
Ethylbenzene	2100	2500	4100		50	81	2.8	70-130	20	02/18/2019 2028
Ethyl-tert-butyl ether (ETBE)	ND	2500	1900		50	77	8.7	70-130	20	02/18/2019 2028
Methyl tertiary butyl ether (MTBE)	ND	2500	2000		50	81	9.9	70-130	20	02/18/2019 2028
Naphthalene	630	2500	2600		50	80	4.5	70-130	20	02/18/2019 2028
tert-butyl alcohol (TBA)	ND	50000	41000		50	81	9.0	70-130	20	02/18/2019 2028
Toluene	81	2500	2200		50	84	5.8	70-130	20	02/18/2019 2028
Xylenes (total)	6800	5000	11000		50	81	2.4	70-130	20	02/18/2019 2028

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		120	70-130
Toluene-d8		115	70-130

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: UQ97886-001
Batch: 97886
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	02/18/2019 1046
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	02/18/2019 1046
Benzene	ND		1	1.0	0.40	ug/L	02/18/2019 1046
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	02/18/2019 1046
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	02/18/2019 1046
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	02/18/2019 1046
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	02/18/2019 1046
Ethanol	ND		1	100	52	ug/L	02/18/2019 1046
Ethylbenzene	ND		1	1.0	0.40	ug/L	02/18/2019 1046
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	02/18/2019 1046
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	02/18/2019 1046
Naphthalene	ND		1	1.0	0.40	ug/L	02/18/2019 1046
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	02/18/2019 1046
Toluene	ND		1	1.0	0.40	ug/L	02/18/2019 1046
Xylenes (total)	ND		1	1.0	0.40	ug/L	02/18/2019 1046

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		101	70-130
Toluene-d8		99	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ97886-002
Batch: 97886
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1100		1	112	70-130	02/18/2019 1002
tert-Amyl methyl ether (TAME)	50	53		1	107	70-130	02/18/2019 1002
Benzene	50	52		1	103	70-130	02/18/2019 1002
tert-Butyl formate (TBF)	250	310		1	124	70-130	02/18/2019 1002
1,2-Dichloroethane	50	52		1	105	70-130	02/18/2019 1002
Diisopropyl ether (IPE)	50	58		1	116	70-130	02/18/2019 1002
3,3-Dimethyl-1-butanol	1000	1100		1	115	70-130	02/18/2019 1002
Ethanol	5000	6100		1	122	70-130	02/18/2019 1002
Ethylbenzene	50	51		1	101	70-130	02/18/2019 1002
Ethyl-tert-butyl ether (ETBE)	50	56		1	113	70-130	02/18/2019 1002
Methyl tertiary butyl ether (MTBE)	50	50		1	101	70-130	02/18/2019 1002

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ97886-002
Batch: 97886
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Naphthalene	50	48		1	95	70-130	02/18/2019 1002
tert-butyl alcohol (TBA)	1000	1100		1	109	70-130	02/18/2019 1002
Toluene	50	51		1	102	70-130	02/18/2019 1002
Xylenes (total)	100	100		1	102	70-130	02/18/2019 1002

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		100	70-130

Volatile Organic Compounds by GC/MS - MS

Sample ID: UB15001-038MS
Batch: 97886
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1800	50000	63000		50	121	70-130	02/18/2019 1856
tert-Amyl methyl ether (TAME)	45	2500	2800		50	111	70-130	02/18/2019 1856
Benzene	600	2500	3300		50	110	70-130	02/18/2019 1856
tert-Butyl formate (TBF)	ND	13000	13000		50	108	70-130	02/18/2019 1856
1,2-Dichloroethane	ND	2500	2700		50	109	70-130	02/18/2019 1856
Diisopropyl ether (IPE)	ND	2500	3100		50	125	70-130	02/18/2019 1856
3,3-Dimethyl-1-butanol	ND	50000	61000		50	122	70-130	02/18/2019 1856
Ethanol	ND	250000	320000		50	130	70-130	02/18/2019 1856
Ethylbenzene	1200	2500	3800		50	105	70-130	02/18/2019 1856
Ethyl-tert-butyl ether (ETBE)	ND	2500	3000		50	118	70-130	02/18/2019 1856
Methyl tertiary butyl ether (MTBE)	280	2500	3000		50	110	70-130	02/18/2019 1856
Naphthalene	550	2500	3100		50	101	70-130	02/18/2019 1856
tert-butyl alcohol (TBA)	4600	50000	65000		50	120	70-130	02/18/2019 1856
Toluene	340	2500	3000		50	106	70-130	02/18/2019 1856
Xylenes (total)	7400	5000	12000		50	101	70-130	02/18/2019 1856

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		99	70-130

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: UB15001-038MD
Batch: 97886
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	1800	50000	60000		50	117	3.6	70-130	20	02/18/2019 1919
tert-Amyl methyl ether (TAME)	45	2500	2800		50	109	1.7	70-130	20	02/18/2019 1919
Benzene	600	2500	3300		50	108	1.5	70-130	20	02/18/2019 1919
tert-Butyl formate (TBF)	ND	13000	13000		50	104	4.1	70-130	20	02/18/2019 1919
1,2-Dichloroethane	ND	2500	2700		50	107	2.2	70-130	20	02/18/2019 1919
Diisopropyl ether (IPE)	ND	2500	3000		50	121	3.5	70-130	20	02/18/2019 1919
3,3-Dimethyl-1-butanol	ND	50000	59000		50	118	3.0	70-130	20	02/18/2019 1919
Ethanol	ND	250000	310000		50	124	4.7	70-130	20	02/18/2019 1919
Ethylbenzene	1200	2500	3900		50	108	2.2	70-130	20	02/18/2019 1919
Ethyl-tert-butyl ether (ETBE)	ND	2500	2900		50	115	3.2	70-130	20	02/18/2019 1919
Methyl tertiary butyl ether (MTBE)	280	2500	2900		50	105	3.9	70-130	20	02/18/2019 1919
Naphthalene	550	2500	3100		50	101	0.046	70-130	20	02/18/2019 1919
tert-butyl alcohol (TBA)	4600	50000	62000		50	116	3.6	70-130	20	02/18/2019 1919
Toluene	340	2500	3000		50	107	0.84	70-130	20	02/18/2019 1919
Xylenes (total)	7400	5000	13000		50	106	2.1	70-130	20	02/18/2019 1919

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		100	70-130

Volatile Organic Compounds by GC/MS - MB

Sample ID: UQ97957-001
Batch: 97957
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	02/18/2019 2217
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	02/18/2019 2217
Benzene	ND		1	1.0	0.40	ug/L	02/18/2019 2217
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	02/18/2019 2217
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	02/18/2019 2217
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	02/18/2019 2217
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	02/18/2019 2217
Ethanol	ND		1	100	52	ug/L	02/18/2019 2217
Ethylbenzene	ND		1	1.0	0.40	ug/L	02/18/2019 2217
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	02/18/2019 2217
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	02/18/2019 2217

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: UQ97957-001
Batch: 97957
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
Naphthalene	ND		1	1.0	0.40	ug/L	02/18/2019 2217
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	02/18/2019 2217
Toluene	ND		1	1.0	0.40	ug/L	02/18/2019 2217
Xylenes (total)	ND		1	1.0	0.40	ug/L	02/18/2019 2217

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		99	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ97957-002
Batch: 97957
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1000		1	102	70-130	02/18/2019 2121
tert-Amyl methyl ether (TAME)	50	45		1	89	70-130	02/18/2019 2121
Benzene	50	38		1	76	70-130	02/18/2019 2121
tert-Butyl formate (TBF)	250	260		1	103	70-130	02/18/2019 2121
1,2-Dichloroethane	50	43		1	87	70-130	02/18/2019 2121
Diisopropyl ether (IPE)	50	47		1	94	70-130	02/18/2019 2121
3,3-Dimethyl-1-butanol	1000	1000		1	102	70-130	02/18/2019 2121
Ethanol	5000	5500		1	110	70-130	02/18/2019 2121
Ethylbenzene	50	35		1	70	70-130	02/18/2019 2121
Ethyl-tert-butyl ether (ETBE)	50	47		1	93	70-130	02/18/2019 2121
Methyl tertiary butyl ether (MTBE)	50	44		1	88	70-130	02/18/2019 2121
Naphthalene	50	40		1	81	70-130	02/18/2019 2121
tert-butyl alcohol (TBA)	1000	990		1	99	70-130	02/18/2019 2121
Toluene	50	37		1	74	70-130	02/18/2019 2121
Xylenes (total)	100	73		1	73	70-130	02/18/2019 2121

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		98	70-130

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: UQ98123-001
Batch: 98123
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	02/19/2019 2141
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	02/19/2019 2141
Benzene	ND		1	1.0	0.40	ug/L	02/19/2019 2141
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	02/19/2019 2141
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	02/19/2019 2141
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	02/19/2019 2141
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	02/19/2019 2141
Ethanol	ND		1	100	52	ug/L	02/19/2019 2141
Ethylbenzene	ND		1	1.0	0.40	ug/L	02/19/2019 2141
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	02/19/2019 2141
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	02/19/2019 2141
Naphthalene	ND		1	1.0	0.40	ug/L	02/19/2019 2141
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	02/19/2019 2141
Toluene	ND		1	1.0	0.40	ug/L	02/19/2019 2141

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		97	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ98123-002
Batch: 98123
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1100		1	108	70-130	02/19/2019 2056
tert-Amyl methyl ether (TAME)	50	53		1	105	70-130	02/19/2019 2056
Benzene	50	51		1	102	70-130	02/19/2019 2056
tert-Butyl formate (TBF)	250	300		1	121	70-130	02/19/2019 2056
1,2-Dichloroethane	50	51		1	103	70-130	02/19/2019 2056
Diisopropyl ether (IPE)	50	57		1	114	70-130	02/19/2019 2056
3,3-Dimethyl-1-butanol	1000	1100		1	109	70-130	02/19/2019 2056
Ethanol	5000	5800		1	116	70-130	02/19/2019 2056
Ethylbenzene	50	51		1	101	70-130	02/19/2019 2056
Ethyl-tert-butyl ether (ETBE)	50	55		1	110	70-130	02/19/2019 2056
Methyl tertiary butyl ether (MTBE)	50	51		1	101	70-130	02/19/2019 2056
Naphthalene	50	48		1	95	70-130	02/19/2019 2056

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ98123-002
Batch: 98123
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-butyl alcohol (TBA)	1000	1000		1	104	70-130	02/19/2019 2056
Toluene	50	50		1	101	70-130	02/19/2019 2056

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		98	70-130

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection

P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL

N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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EDB & DBCP by Microextraction - MB

Sample ID: UQ97693-001
Batch: 97693
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 02/15/2019 1503

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.020	ug/L	02/19/2019 2104

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		89	57-137

EDB & DBCP by Microextraction - LCS

Sample ID: UQ97693-002
Batch: 97693
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 02/15/2019 1503

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.23		1	90	60-140	02/19/2019 2114

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		89	57-137

EDB & DBCP by Microextraction - MB

Sample ID: UQ97823-001
Batch: 97823
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 02/18/2019 920

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.020	ug/L	02/20/2019 0131

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		93	57-137

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

EDB & DBCP by Microextraction - LCS

Sample ID: UQ97823-002
Batch: 97823
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 02/18/2019 920

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.25		1	98	60-140	02/20/2019 0142

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		90	57-137

EDB & DBCP by Microextraction - MS

Sample ID: UB15001-003MS
Batch: 97823
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 02/18/2019 920

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	0.25	0.27		1	108	60-140	02/20/2019 0214

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		91	57-137

EDB & DBCP by Microextraction - Duplicate

Sample ID: UB15001-004DU
Batch: 97823
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 02/18/2019 920

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	% RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	02/20/2019 0235

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		94	57-137

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

EDB & DBCP by Microextraction - MB

Sample ID: UQ97830-001
Batch: 97830
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 02/18/2019 920

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.020	ug/L	02/20/2019 0609

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		94	57-137

EDB & DBCP by Microextraction - LCS

Sample ID: UQ97830-002
Batch: 97830
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 02/18/2019 920

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.24		1	94	60-140	02/20/2019 0620

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		94	57-137

EDB & DBCP by Microextraction - MS

Sample ID: UB15001-023MS
Batch: 97830
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 02/18/2019 920

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	0.25	0.27		1	111	60-140	02/20/2019 0642

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		103	57-137

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

EDB & DBCP by Microextraction - Duplicate

Sample ID: UB15001-024DU
Batch: 97830
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 02/18/2019 920

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	% RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	02/20/2019 0703

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		92	57-137

EDB & DBCP by Microextraction - MB

Sample ID: UQ97831-001
Batch: 97831
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 02/18/2019 951

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.020	ug/L	02/20/2019 1332

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		96	57-137

EDB & DBCP by Microextraction - LCS

Sample ID: UQ97831-002
Batch: 97831
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 02/18/2019 951

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.28		1	112	60-140	02/20/2019 1343

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		101	57-137

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

EDB & DBCP by Microextraction - MS

Sample ID: UB15001-043MS
Batch: 97831
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 02/18/2019 951

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	0.24	0.24		1	99	60-140	02/20/2019 1404

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		96	57-137

EDB & DBCP by Microextraction - Duplicate

Sample ID: UB15001-044DU
Batch: 97831
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 02/18/2019 951

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	% RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	02/20/2019 1426

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		94	57-137

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Chain of Custody
and
Miscellaneous Documents

SHEALY **Chain of Custody Record**

SHEALY ENVIRONMENTAL SERVICES, INC.
108 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 92821

Client: Terry Environmental Services
Address: PO Box 25
City: Summerville | State: SC | Zip Code: 29484
Project Name: Former Lil Cricket #339
Project No.: 2170Q
P.O. No.:
Reports to Contact: Kelly Cone
Sampler's Signature: x Bethany Farmer
Printed Name: Bethany Farmer
Telephone No. / E-mail: 843-873-8200
Quote No.:
Analysis (Attach list if more space is needed):
Page 1 of 7

UB15001

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Cl-Grab Cl-Composite	Matrix: Aqueous	Matrix: Soils	Matrix: Non-Aqueous	Matrix: Unpres.	Matrix: NaSO4	Matrix: ZnCO3	Matrix: HCl	Matrix: NaOH	Matrix: 5035 KIT	BTEXNM+1,2 DCA+ OX-1+ETH	EDB-8011	Remarks / Cooler T.O.
07303 ✓ FB1	2-11-19	1450	G	X						5			3	2	
✓ MW35		1500													
✓ MW34		1512													
✓ MW36		1530													
✓ MW31		1539													
✓ MW32		1544													
✓ MW33		1552													
✓ MW38		1617													
✓ MW37		1622													
✓ DW9		1655													

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☒ Standard ☐ Rush (Specify)
Sample Disposal: ☐ Return to Client ☒ Disposal by Lab
Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown
QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished by: Bethany Farmer	2/14/19	1516	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: L Hite	2-14-19	1516

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle): (Yes) No Ice Pack
Receipt Temp. 2.6 to 3.7°C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

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Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 92820

Client: Terry Environmental Services
Report to Contact: Kelly Cone
Telephone No. / E-mail: 843-873-8200
Quote No.
Address: PO Box 25
Sampler's Signature: X Bethany Farmer
Analysis (Attach list if more space is needed)
Page 2 of 7
City: Summerville State: SC Zip Code: 29484
Printed Name: Bethany Farmer
Project Name: Former Lil Cricket #339
UB15001
Project No.: 2170Q
P.O. No.
Remarks / Cooler I.D.

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Grab / Composite	Matrix: Aqueous	Matrix: Soil	Matrix: Other	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	Other	BTEX + MTBE + 1,2 DCA + EDB-8011	EDB-8011
07303 ✓ DW10	2-11-19	1815	G	X						5			3	2
✓ MW40	2-12-19	0815												
✓ FB2	2-12-19	0810												
✓ MW12		0828												
✓ MW13		0835												
✓ MW14		0840												
✓ DW7		0845												
✓ MW11		1000												
✓ DW2		1051												
✓ MW3		1110												

Turn Around Time Required (Prior lab approval required for expedited TAT.)
☐ Standard ☐ Rush (Specify)

Sample Disposal
☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time
1. Relinquished by: Bethany Farmer	2/14/19	15 16
2. Relinquished by:	Date	Time
3. Relinquished by:	Date	Time
4. Relinquished by:	Date	Time

	Date	Time
1. Received by:	Date	Time
2. Received by:	Date	Time
3. Received by:	Date	Time
4. Laboratory received by: L Hile	Date 2-14-19	Time 1516

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Circle) (Yes) No Ice Pack
Receipt Temp. 2.6 °C 3.7 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

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www.shealylab.com

Number 92819

Client: Terry Environmental Services	Report to Contact: Kelly Cone	Telephone No. / E-mail: 843-873-8200	Quote No.
Address: PO Box 25	Sampler's Signature: X Bethany Farmer	Analysis (Attach list if more space is needed)	Page 3 of 7
City: Summerville; State: VC; Zip Code: 29484	Printed Name: Bethany Farmer		
Project Name: Former Lil Cricket #339			
Project No.: 2170Q; P.O. No.:			UB15001

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	Matrix: Liquid	Matrix: Vapor	Matrix: Sludge	Matrix: Air	Matrix: Oil	Matrix: Wipe	Matrix: Solid Air	BTEXNM+1,2DCA+OXY+ETH	EDB-8011	KMK2
07303 ✓MW18	2-12-19	0959	G	X							5			3	2	
✓RW4		1116														
✓MW17		1130														
		133														
✓MW21		1209														
✓DW6		1255														
✓DW1		1323														
✓MW41		1332														
✓MW28		1340														
✓MW43		1346														

Turn Around Time Required (Prior lab approval required for expedited TAT.)	Sample Disposal	Possible Hazard Identification	QC Requirements (Specify)
☒ Standard ☐ Rush (Specify)	☐ Return to Client ☒ Disposal by Lab	☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown	

	Date	Time		Date	Time
1. Relinquished by: Bethany Farmer	2/14/19	1516	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: L Hite	2-14-19	1516

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) (Yes) No Ice Pack
Receipt Temp. 2.6 °C 3.7°C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

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Chain of Custody Record

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Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 92818

Client: Terry Environmental Services	Report to Contact: Kelly Cone	Telephone No. / E-mail: 843-873-8200	Quote No.
Address: PO Box 25	Sampler's Signature: x Bethany Farmer	Analysis (Attach list if more space is needed)	Page 4 of 7
City: Summerville	State: SC	Zip Code: 29483-84	Printed Name: Bethany Farmer
Project Name: Former Li Cricket #339			UB15001
Project No.: 21 70 Q	P.O. No.		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	Grab / Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Wastewater	No of Containers by Preservative Type: Plastic	No of Containers by Preservative Type: Glass	No of Containers by Preservative Type: VOA	No of Containers by Preservative Type: Metals	No of Containers by Preservative Type: Air Bags	BTEX + MTBE + 2-Chloroethylvinyl ether	EDB - 8011	Remarks / Cooler I.D.
07303 ✓ FB3	2-13-19	1155	G	X					5			3	2	
✓ MW22		1201												
✓ DW5		1237												
✓ MW29		1242												
✓ RW5		1245												
✓ DW3		1315												
✓ RW2		1322												
✓ MW20		1329												
✓ RW3		1335												
✓ MW5R		1355												

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☑ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Bethany Farmer	2/14/19	1516	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: L Hite	2-14-19	1516

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) (Yes) No Ice Pack Receipt Temp: 2.6 °C 3.7°C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

SHEALY **Chain of Custody Record**

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106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 92815

Client: Terry Environmental Services
Report to Contact: Kelly Cone
Telephone No. / E-mail: 843-873-8200
Quote No.:
Address: PO Box 25
Sampler's Signature: x Bethany Farmer
Analysis (Attach list if more space is needed)
Page 5 of 7
City: Summerville State: SC Zip Code: 29484
Printed Name: Bethany Farmer
Project Name: Farmer Lil Cricket # 339
Project No.: 2170Q
P.O. No.:

UB15001

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Cl-Grab Cl-Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No of Containers by Preservative Type: Unpres.	HNO3	HCl	NaOH	NaOH	BTEX NM+1,2 DCA +OXY+ETH	EDB-8011								KYN2
07303 ✓ MW16	2-13-19	1425	G	X						5			3	2							
✓ MW9		1440																			
✓ MW30		1455																			
✓ MW48		1652																			
✓ SW2		1657																			
✓ SW1		1702																			
✓ MW45		1720																			
✓ MW39		1728																			
✓ MW47		1732																			
✓ MW46		1752																			

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☒ Standard ☐ Rush (Specify)
Sample Disposal ☐ Return to Client ☒ Disposal by Lab
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown
QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Bethany Farmer	2/14/19	1516	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: L Hite	2-14-19	1516

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) (Yes) No Ice Pack
Receipt Temp. 2.6 °C 3.7°C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

SHEALY **Chain of Custody Record**

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106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 92817

Client: Terry Environmental Services	Report to Contact: Kelly Cone	Telephone No. / E-mail: 843-873-8200	Quote No.
Address: PO Box 25	Sampler's Signature: x Bethany Farmer	Analysis (Attach list if more space is needed)	Page 6 of 7
City: Summerville State: SC Zip Code: 29484	Printed Name: Bethany Farmer		
Project Name: Former Lt Cracket #339			UB15001
Project No.	P.O. No.		

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Cl-Unpreserved	Aqueous	Sterile	Non-Aqueous	Glass	HDPE	LPDE	NO	MeOH	SOIL KIT	BTEXN M+1,2DCA, +OXY+RTH	EDB-8011
07303 ✓ FB4	2-14-19	0805	G	X						5			3	2
✓ MW42		0824												
✓ DW11		0906												
✓ DW11 dup		0908												
✓ MW15		1011												
✓ MW26		1028												
✓ MW26 dup		1030												
✓ MW27		1026												
✓ MW25		1050												
✓ MW23		1056												

Turn Around Time Required (Prior lab approval required for expedited TAT.)	Sample Disposal	Possible Hazard Identification	QC Requirements (Specify)
☒ Standard ☐ Rush (Specify)	☐ Return to Client ☒ Disposal by Lab	☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown	

	Date	Time		Date	Time
1. Relinquished by: Bethany Farmer	2/14/19	1516	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: L Hitch	2-14-19	1516

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack — Receipt Temp. 2.6 °C 3.7°C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

Shealy Environmental Services, Inc.
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106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 92816

Client: Terry Environmental Services	Report to Contact: Kelly Cave	Telephone No. / E-mail: 843-873-8200	Quote No.
Address: PO Box 25	Sampler's Signature: x Bethany Farmer	Analysis (Attach list if more space is needed)	Page 1 of 1
City: Summerville State: SC Zip Code: 29484	Printed Name: Bethany Farmer		
Project Name: Former Lil Cricket #339			
Project No.: 2170Q	P.O. No.		

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Grab/Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No. of Containers by Preservative Type: Unpres.	No. of Containers by Preservative Type: HCl	No. of Containers by Preservative Type: HNO3	No. of Containers by Preservative Type: NaOH	No. of Containers by Preservative Type: other	BTEX/MTBE/EDCA + EDB	EDB + Soil
MW23dup		105											
07303 MW23	2.14.19	1056	G	X					5			3	2
MW24	1	1102	1	1					1			1	1
MW24dup		1104											
TB1													
TB2													

Turn Around Time Required (Prior lab approval required for expedited TAT.): (X) Standard ( ) Rush (Specify)

Sample Disposal: ( ) Return to Client ( ) Disposal by Lab

Possible Hazard Identification: (X) Non-Hazard ( ) Flammable ( ) Skin Irritant ( ) Poison ( ) Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Bethany Farmer	2/14/19	1516	1. Received by		
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	Date	Time	4. Laboratory received by: L Hite	Date 2-14-19	Time 1516

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Circle) (Yes) No Ice Pack Receipt Temp: 2.6 °C 3.7°C

UB15001

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

Shealy Environmental Services, Inc.
Document Number: MED018C-14

Page 1 of 1
Effective Date: 8/2/2018

Sample Receipt Checklist (SRC)

Client: Terry Cooler Inspected by/date: LKH / 2-15-19 Lot #: UB15001

Means of receipt: ☐ SESI ☑ Client ☐ UPS ☐ FedEx ☐ Other: _____

☐ Yes	☑ No		1. Were custody seals present on the cooler?
☐ Yes	☐ No	☑ NA	2. If custody seals were present, were they intact and unbroken?

pH Strip ID: NA Chlorine Strip ID: NA Tested by: NA

Original temperature upon receipt / Derived (Corrected) temperature upon receipt: %Solid Snap-Cup ID: NA

2.6/2.6 °C 3.7/3.7 °C ___/___ °C ___/___ °C LKH 2-15-19

Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: 5 IR Gun Correction Factor: 0 °C

Method of coolant: ☑ Wet Ice ☐ Ice Packs ☐ Dry Ice ☐ None

☐ Yes	☐ No	☑ NA	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one).
☐ Yes	☐ No	☑ NA	4. Is the commercial courier's packing slip attached to this form?
☑ Yes	☐ No		5. Were proper custody procedures (relinquished/received) followed?
☑ Yes	☐ No		6. Were sample IDs listed on the COC?
☑ Yes	☐ No		7. Were sample IDs listed on all sample containers?
☑ Yes	☐ No		8. Was collection date & time listed on the COC?
☑ Yes	☐ No		9. Was collection date & time listed on all sample containers?
☑ Yes	☐ No		10. Did all container label information (ID, date, time) agree with the COC?
☑ Yes	☐ No		11. Were tests to be performed listed on the COC?
☑ Yes	☐ No		12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)? _____
☑ Yes	☐ No		13. Was adequate sample volume available?
☑ Yes	☐ No		14. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
☐ Yes	☑ No		15. Were any samples containers missing/excess (circle one) samples Not listed on COC?
☐ Yes	☑ No	☐ NA	16. For VOA and RSK-175 samples, were bubbles present >"pea-size" (¼"or 6mm in diameter) in any of the VOA vials?
☐ Yes	☐ No	☑ NA	17. Were all DRO/metals/nutrient samples received at a pH of < 2?
☐ Yes	☐ No	☑ NA	18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
☐ Yes	☐ No	☑ NA	19. Were all applicable NH_3/TKN/cyanide/phenol/625 (< 0.5mg/L) samples free of residual chlorine?
☐ Yes	☐ No	☑ NA	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
☐ Yes	☑ No		21. Was the quote number listed on the container label? If yes, Quote # _____

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) NA were received incorrectly preserved and were adjusted accordingly in sample receiving with NA mL of circle one: H2SO4, HNO3, HCl, NaOH using SR # NA.
Time of preservation NA. If more than one preservative is needed, please note in the comments below.

Sample(s) NA were received with bubbles >6 mm in diameter.

Samples(s) NA were received with TRC > 0.5 mg/L (If #19 is *no*) and were adjusted accordingly in sample receiving with sodium thiosulfate ($Na_2S_2O_3$) with Shealy ID: NA.

SR barcode labels applied by: LKH Date: 2-15-19

Comments: ★MW-24 (MW-23) is marked on CoC twice.

APPENDIX C

Tax Map
(Not Applicable)

APPENDIX D

Soil Boring/Field Screening Logs
(Not Applicable)

APPENDIX E

Well Completion Logs/SCDHEC 1903 Forms
(Not Applicable)

APPENDIX F

Aquifer Evaluation Forms
(Not Applicable)

APPENDIX G

Disposal Manifest

US Water Recovery

Non-Hazardous Manifest: Waste Water or Drums

Number:

1. Generator's EPA ID# (if applicable):

Waste ID Number:

2. Generator's Name and Mailing Address:
Farmer Lil Cricket 339
Seneca, SC

Phone (8) UST #07303
P O #: PV; # 2170Q

3. Agent of Generator and Mailing Address:
Terry Environmental Services
PO Box 25 Summerville, SC 29484

Phone (843) 873-8200
P O #:

4. Transporter Company Name:

Phone ( )

Truck & Trailer License Number:

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address:
US Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Mailing Address:
US Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Phone: (843) 797-3111
Fax: (843) 797-1884

7 Facility U.S. EPA ID#:

Start Level: End Level: Total Gallons: Tank Number

8. U.S. DOT Description	Container No.	Container Type	Unit	Quantity
a. Non-Hazardous, non-regulated waste water			GAL	50

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: Katherine Hickok (As Agent) Signature: [signature] Date: 2-14-19

10. Transporter Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Date:

11. Discrepancy Indication space:

12. Facility Owner or Operator: Certification of Receipt of Materials
Printed/Typed Name: David Ward Signature: [signature] Date 2-15-19

White - Facility Yellow - Office Pink - Transporter Blue - Generator

21285

APPENDIX H

Local Zoning Regulations
(Not Applicable)

APPENDIX I

Fate and Transport Modeling Data
(Not Applicable)

APPENDIX J

Access Agreements
(Not Applicable)

APPENDIX K

Data Verification Checklist

Contractor Checklist –Former Li'l Cricket #339

UST Permit #07303 - TERRY Project #2170Q

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			X
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?	X		
7	Has the facility history been summarized?	X		
8	Has the regional geology and hydrogeology been described?	X		
9	Are the receptor survey results provided as required?			X
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?	X		
12	Has the primary soil type been described?	Sect. 3		
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?			X
17	Has the method of well development been detailed?			X
18	Has justification been provided for the locations of the monitoring wells?			X
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	X		
20	Has the groundwater sampling methodology been detailed?	X		
21	Have the groundwater sampling dates and groundwater measurements been provided?	X		
22	Has the purging methodology been detailed?	X		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?	X		
24	If free-product is present, has the thickness been provided?	X		
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	X		
34	Has the current and historical laboratory data been provided in tabular format?	X		

Item #	Item	Yes	No	N/A
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			X
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)	X Fig 4		X Fig 3
40	Has the site potentiometric map been provided? (Figure 5)	X		
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	X		
45	Is the laboratory performing the analyses properly certified?	X		
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)			X
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			X
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	X		

Explanation for missing and incomplete information?

Not Applicable for the current directive.

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CERTIFIED MAIL
9214 8969 0099 9790 1416 0057 92

LIL CRICKET FOOD STORES
1410 COMMONWEALTH DR
SUITE 202
WILMINGTON NC 28403

OCT 10 2019

Re: **Corrective Action Options**
Lil Cricket 339, 800 N. W. First St., Seneca, SC
UST Permit #07303
Release reported April 27, 1989
Monitoring Report received March 22, 2019
Oconee County

To Whom It May Concern:

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC) reviewed the above-referenced report submitted by Terry Environmental Services on your behalf. This report, combined with site history, indicates active corrective action is necessary at the site to mitigate petroleum impact and ensure that there is no detrimental exposure to human health or the environment. While you, as the owner/operator, are ultimately responsible for cleanup actions taken in response to this release, funds from the State Underground Environmental Response Bank (SUPERB) Account and SUPERB Financial Responsibility Fund (SFRF) shall provide combined coverage for site rehabilitation and third party claims not to exceed one million dollars.

The SUPERB Site Rehabilitation and Fund Access Regulations R.61-98 require the UST owner/operator to develop and implement a reasonable, cost-effective corrective action to be performed by a DHEC certified site rehabilitation contractor. The selected technology must reduce the petroleum chemicals of concern concentrations to site-specific target levels that are determined by DHEC. As the owner/operator for the above-referenced release, you may choose one of two options discussed below to proceed toward meeting this requirement.

Option 1: Owner/Operator Lead
You may continue to use your existing DHEC Certified Site Rehabilitation Contractor of choice or select another contractor from the list found at http://www.scdhec.gov/Environment/LW/UST/VendorsRecyclersContractors/CertifiedContractors/ to perform the corrective action. To assist you in determining the clean-up technology, time

frame, clean-up levels, and associated costs, DHEC will develop and provide you copies of a technical specifications package to send to DHEC certified contractors you may wish to utilize for this corrective action.

The maximum amount of allowable costs for the active correction action work that may be reimbursed by the SUPERB fund will be determined through a solicitation process. DHEC will post the technical specifications package for the active corrective action on the DHEC website (http://www.scdhec.gov/Environment/LW/UST/ReleaseAssessmentClean-up/CorrectiveActionSection/) and will solicit bids from DHEC certified contractors to conduct the work by publishing a notice in the South Carolina Business Opportunities, a bi-weekly state government publication. This process is intended to ensure an adequate solicitation response is obtained so that a fair and competitive price for the work can be established. The lowest corrective action cost submitted in response to the solicitation will determine the reasonable or SUPERB-allowable cost. Except for the limitations specified in the solicitation, the reasonable or SUPERB-allowable cost is the maximum amount the SUPERB Account will pay for this active corrective action.

You may consider entering a written contract with your selected contractor following completion of the solicitation process to address any costs more than the reasonable or SUPERB-allowable costs and not approved by DHEC for reimbursement from the SUPERB Account. DHEC would not be a party to the contract; however, we will monitor and ensure you are making progress with corrective action activities. If the selected contractor is not able to complete the required activities, you will be required to find another certified contractor to complete the required activities.

To utilize the owner/operator lead option, please sign and return the enclosed Owner/Operator Lead Form for Site Rehabilitation within 15 days of the date of this letter.

Option 2: State Lead

If you choose the state lead option, DHEC will procure a DHEC Certified Site Rehabilitation Contractor to perform active corrective action. The contractor for this work will enter into a contract with DHEC and will be subject to the terms and conditions of the bid document for which he or she was awarded the work. You would not be a party to the contract.

The awarded contractor will only be authorized to perform the active corrective action as defined by the bid document. Any work to be completed prior to the scope of work as defined by the bid document will be performed by your current contractor. Any work to be performed after the completion of this active corrective action may be performed by your current contractor or by another DHEC certified contractor of your choosing.

As long as you do not interfere with or prohibit the work at your site, you will not be responsible for this active corrective action in the event the contractor does not perform appropriately or does not make satisfactory progress towards achieving the established corrective action goals.

To utilize the state lead option, please sign and return the enclosed State Lead Form for Site Rehabilitation within 15 days of the date of this letter.

We appreciate your prompt attention to this important matter. Please reference UST Permit #07303 on all correspondence or inquiries regarding this project. If you have any questions, please contact me at (803) 898-2946 or lovemk@dhec.sc.gov.

Sincerely,

Meredith Love

Meredith Love, Hydrogeologist
Corrective Action & Field Support
UST Management Division
Bureau of Land and Waste Management

enc: Active Corrective Action Options form
Permission/Right-of-Entry forms

cc: Terry Environmental Services, Inc., PO Box 25, Summerville, SC 29484 (w/enc)
Technical File (w/enc)

Owner/Operator Lead Form for Active Corrective Action

Only complete this form if: You are the legal owner of the existing or former underground storage tanks, **OR** are the legal owner's designated authorized representative.

I certify that I am the legal owner of record for the underground storage tanks identified below for the release date reported below or serve as the authorized representative for the owner. I wish for DHEC to post the technical specifications package for the active corrective action on the DHEC website and solicit bids from DHEC certified contractors to conduct the work by publishing a notice in the South Carolina Business Opportunities and to select my own corrective action contractor after bid solicitation results are received. **I understand the lowest corrective action cost submitted in response to the solicitation will determine the reasonable or SUPERB-allowable cost. I understand if the selected contractor is not able to complete the required activities, I will be required to find another certified contractor to complete the required activities. Except for the limitations specified in the solicitation, the reasonable or SUPERB-allowable cost is the maximum amount the SUPERB Account will pay for the active corrective action.**

UST Permit #	07303	**Release Report Date:**	4/27/1989
Facility Name:		Lil Cricket 339	
Facility Address:		800 North West First St., Seneca, SC	
Facility Phone Number:			

Name of UST owner/former owner or authorized representative (Print):		
Signature of UST owner/former owner or authorized representative:		**Date**
Affiliation (if applicable)		
Signature of Witness		**Date**

Contact Info

Phone Numbers:	**Home:**	**Cell:**
Email Address:		

State Lead Option Permission Form for Active Corrective Action

Only complete this form if: You are the legal owner of the existing or former underground storage tanks, **OR** are the legal owner's designated authorized representative.

I certify that I am the legal owner of the existing or former underground storage tanks located identified below and for the release reported the date listed below or serve as the authorized representative for the UST owner. I grant permission to the South Carolina Department of Health and Environmental Control (DHEC) to post the technical specifications package for the active corrective action on the DHEC website and solicit bids from DHEC certified contractors to conduct the work by publishing a notice in the South Carolina Business Opportunities and to select a corrective action contractor, on my behalf, after bid solicitation results are received. The contractor will be designated as my contractor for only the required environmental site rehabilitation activities. I understand that DHEC or its contractor 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.

UST Permit #	07303	**Release Report Date:**	4/24/19
Facility Name:		Lil Cricket 339	
Facility Address:		800 North West First St., Seneca, SC	
Facility Phone Number:			
Is facility within city limits? (check yes/no)		☐ **Yes**	☐ **No**
Name of nearest intersecting street/road/highway:			
Does public water/sewer utility service this facility?		☐ **Yes**	☐ **No**

*If no, please provide a contact name/number that can assist in the location of private water and septic tank lines:

Name:		**Phone Number:**	
Were USTs previously removed from the ground at this facility?		☐ **Yes**	☐ **No**

*If yes, please provide the name/contact number of a person that can assist in the location of the former UST(s):

Name:		**Phone Number:**	
Is the facility currently leased to someone?		☐ **Yes**	☐ **No**

*If yes, notify them of the pending work scope, and please provide their name/contact number:

Name:		**Phone Number:**	

***Please note that if vehicles or other mobile structures are parked over the location of the existing or former USTs, they should be moved prior to DHEC's contractor mobilizes to the facility.**

Name of UST owner/former owner or authorized representative (Print):		
Signature of UST owner/former owner or authorized representative:		**Date**
Affiliation (if applicable)		
Signature of Witness		**Date**

Contact Info

Phone Numbers:	**Home:**	**Cell:**
Email Address:		

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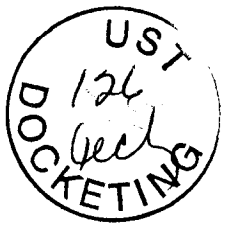
OCT 1 1 2019



LIL CRICKET FOOD STORES
1410 COMMONWEALTH DR
SUITE 202
WILMINGTON NC 28403

Re: Site-Specific Work Plan (SSWP) Request for Groundwater Sampling
Lil Cricket 339, 800 North West First St., Seneca, SC
UST Permit #07303
Release reported April 27, 1989
Monitoring Report received March 22, 2019
Oconee County

To Whom it May Concern:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed the referenced report submitted by your contractor. The report documents petroleum chemicals in the soil and groundwater above Risk-Based Screening Levels (RBSLs).

To determine what risk the referenced release may pose to human health and the environment, and in accordance with Section 280.65 of the South Carolina Underground Storage Tank Control Regulations, implementation of groundwater sampling is necessary. The groundwater sampling must be conducted in accordance with the most recent revision of the UST Quality Assurance Program Plan (QAPP), your contractor's Annual Contractor Quality Assurance Plan (ACQAP), and in compliance with all applicable regulations. A copy of the UST QAPP is available at https://scdhec.gov/environment/land-waste/underground-storage-tanks/release-assessment-clean/quality-assurance.

Groundwater samples should be collected from all monitoring wells associated with the above referenced release within a 1,000 foot radius of the site and analyzed for BTEX, Naphthalene, MtBE, 1,2-DCA, the 8 oxygenates, and EDB. All wells should be purged prior to sampling.

Your contractor must complete the SSWP and submit it within 30 days from the date of this letter. Every component may not be necessary to complete the above scope of work. The State Underground Petroleum Environmental Response Bank (SUPERB) Account allowable cost for each component is included on the Assessment Component Cost Agreement Form. **Please note that approval from DHEC must be issued before work begins.**

On all correspondence regarding this site, please use the UST Permit number referenced above. Should you have any questions regarding this correspondence, please feel free to contact me by phone at (803) 898-2946, by fax at (803) 898-0673, or by e-mail at lovemk@dhec.sc.gov.

Sincerely,

Meredith Love

Meredith Love, Hydrogeologist
Corrective Action & Field Support Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

cc: Terry Environmental Services Inc., PO Box 25, Summerville, SC 29484
Technical file

dhec

Site-Specific Work Plan for Approved ACQAP
Underground Storage Tank Management Division

UST
OCT 18 2019
PROGRAM

To: Meredith Love (SCDHEC Project Manager)
From: Kelly Cone (Contractor Project Manager)
Contractor: TERRY Environmental Services, Inc. UST Contractor Certification Number. UCC-0223

Facility Name: Former Li'l Cricket #339 UST Permit #: 07303
Facility Address: 800 West North First Street, Seneca, South Carolina 29678
Responsible Party: Li'l Cricket Convenience Store (Mr. Jim Zuber) Phone. 910-512-9692
RP Address: 2010 Viburnum Lane, Asheville, NC 28803
Property Owner (if different): Thomas & Dorothy Glenn
Property Owner Address: 800 West North First Street, Seneca, South Carolina 29678
Current Use of Property: Commercial Property

Scope of Work (Please check all that apply)

- ☐ IGWA
- ☐ Tier I
- ☐ Tier II
- ☐ Monitoring Well Installation
- ☑ Groundwater Sampling
- ☐ Other
- ☐ GAC

Analyses (Please check all that apply)

Groundwater/Surface Water:

- ☑ BTEXNMDCA (8260B)
- ☑ Oxygenates (8260B)
- ☑ EDB (8011)
- ☐ PAH (8270D)
- ☐ Lead
- ☐ 8 RCRA Metals
- ☐ TPH
- ☐ pH
- ☐ BOD
- ☐ Nitrate
- ☐ Sulfate
- ☐ Other
- ☐ Methane
- ☐ Ethanol
- ☐ Dissolved Iron

Drinking Water Supply Wells:

- ☐ BTEXNMDCA (524.2)
- ☐ Oxygenates & Ethanol (8260B)
- ☐ Mecury (200.8 245.1 or 245.2)
- ☐ RCRA Metals (200.8)
- ☐ EDB (504.1)

Soil:

- ☐ BTEXNM
- ☐ Lead
- ☐ RCRA Metals
- ☐ PAH
- ☐ Oil & Grease (9071)
- ☐ TPH-DRO (3550B/8015B)
- ☐ TPH-GRO (5030B/8015B)
- ☐ Grain Size
- ☐ TOC

Air:

- ☐ BTEXN

Sample Collection (Estimate the number of samples of each matrix that are expected to be collected.)

-- Soil	-- Water Supply Wells	-- Air	3 Field Blank
56 Monitoring Wells	2 Surface Water	3 Duplicate	3 Trip Blank

Field Screening Methodology

Estimate number and total completed depth for each point, and include their proposed locations on the attached map.

# of shallow points proposed: -- Estimated Footage: -- feet per point
# of deep points proposed: -- Estimated Footage. -- feet per point
Field Screening Methodology: --

Permanent Monitoring Wells

Estimate number and total completed depth for each well, and include their proposed locations on the attached map.

# of shallow wells: -- Estimated Footage: -- feet per point
# of deep wells: -- Estimated Footage: -- feet per point
# of recovery wells: -- Estimated Footage: -- feet per point
Comments, if warranted: --

UST Permit #: 07303 Facility Name. Former Li'l Cricket #339

Implementation Schedule (Number of calendar days from approval)
Field Work Start-Up: 14-30 days Field Work Completion: 30-45 days
Report Submittal: 60 days # of Copies Provided to Property Owners:

Aquifer Characterization
Pump Test: ☐ Slug Test. ☐ (Check one and provide explanation below for choice)

Investigation Derived Waste Disposal
Soil: -- Tons Purge Water: 110 Gallons
Drilling Fluids: -- Gallons Free-Phase Product: -- Gallons

Additional Details For This Scope of Work
For example, list wells to be sampled, wells to be abandoned/repaired, well pads/bolts/caps to replace, details of AFVR event, etc.

Conduct a comprehensive sampling event, monitoring wells MW-3, MW-5R, MW-9 thru MW-48, DW-1 thru DW-3, DW-5 thru DW-7, DW-9 thru DW-11, recovery wells RW-1 thru RW-5, and surface water locations SW-1 and SW-2 will be sampled Per SCDHEC request, all monitoring wells will be purged prior to sampling

NOTE Monitoring well MW-44 was not previously located in February 2019 TERRY will make an effort to locate and sample the well

Compliance With Annual Contractor Quality Assurance Plan (ACQAP)
Yes Laboratory as indicated in ACQAP? (Yes/No) If no, indicate laboratory information below.
Name of Laboratory:
SCDHEC Certification Number:
Name of Laboratory Director:

____ Well Driller as indicated in ACQAP? (Yes/No) If no, indicate driller information below.
Name of Well Driller:
SCLLR Certification Number:

____ Other variations from ACQAP. Please describe below.

Attachments
1. Attach a copy of the relevant portion of the USGS topographic map showing the site location.
2. Prepare a site base map. This map must be accurately scaled, but does not need to be surveyed. The map must include the following:
   - North Arrow
   - Location of property lines
   - Location of buildings
   - Previous soil sampling locations
   - Previous monitoring well locations
   - Proposed soil boring locations
   - Proposed monitoring well locations
   - Legend with facility name and address, UST permit number, and bar scale
   - Streets or highways (indicate names and numbers)
   - Location of all present and former ASTs and USTs
   - Location of all potential receptors
3. Assessment Component Cost Agreement, SCDHEC Form D-3664

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ASSESSMENT COMPONENT INVOICE
SOUTH CAROLINA
Department of Health and Environmental Control
Underground Storage Tank Management Division
State Underground Petroleum Environmental Response Bank Account
June 15, 2017

Facility Name: Former Li'l Cricket 339

UST Permit #: 07303 **Cost Agreement #:** Proposal

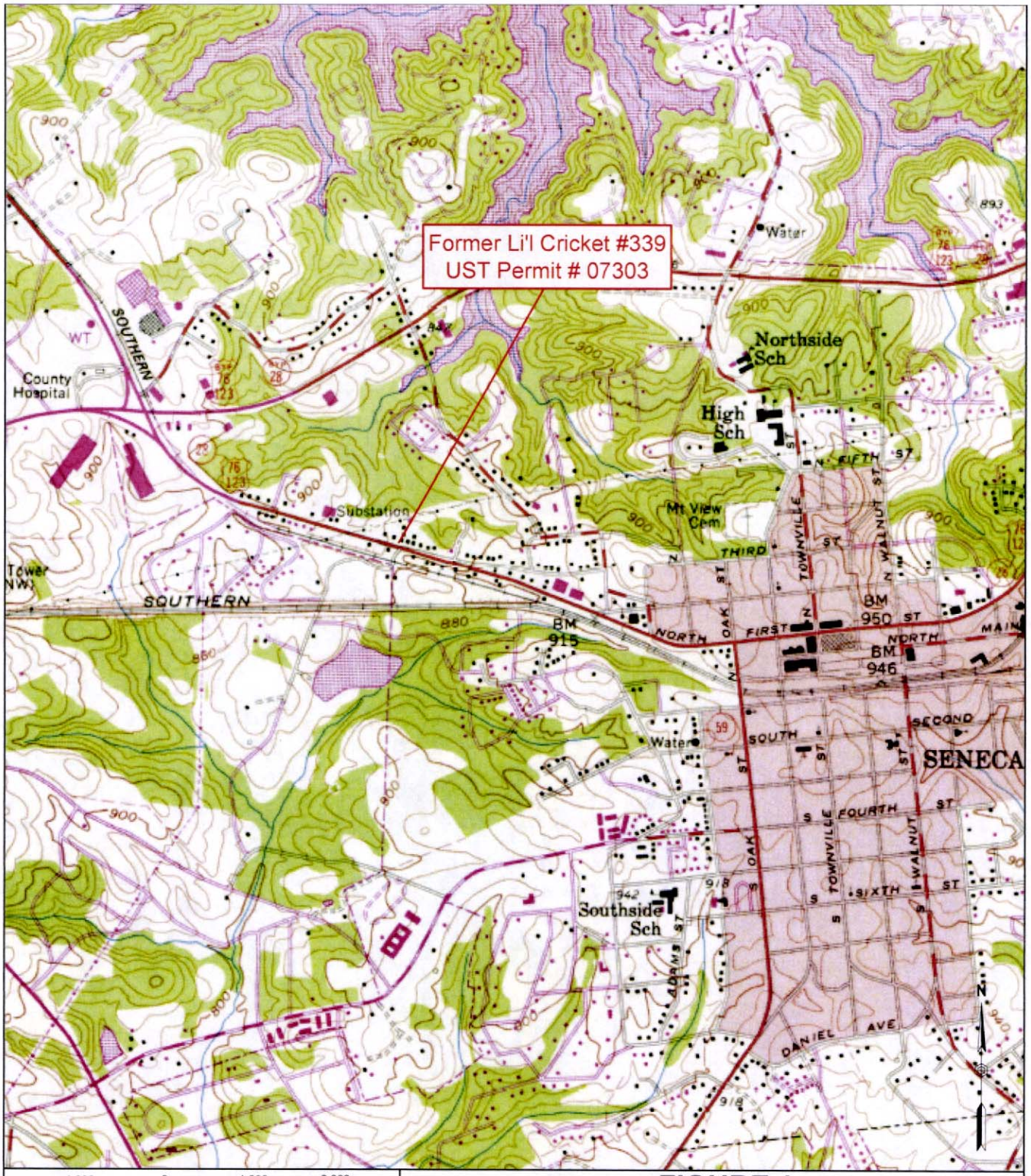
ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
1. Plan Preparation				
A1. Site-specific Work Plan	1	each	$150.00	$150.00
B1. Tax Map		each	$70.00	$0.00
C1. Tier II or Comp. Plan /QAPP Appendix B		each	$250.00	$0.00
2. A1. **Receptor Survey ***		each	$551.00	$0.00
3. **Survey (500 ft x 500 ft)**				
A1. Comprehensive Survey		each	$1,040.00	$0.00
B. Subsurface Geophysical Survey				
1B. < 10 meters below grade		each	$1,300.00	$0.00
2B. > 10 meters below grade		each	$2,310.00	$0.00
C1. Geophysical UST or Drum Survey		each	$910.00	$0.00
4. **Mob/Demob**				
A1. Equipment		each	$1,020.00	$0.00
B1. Personnel (10 x 3, 17)	4	each	$423.00	$1,692.00
C1. Adverse Terrain Vehicle		each	$500.00	$0.00
5. A1. **Soil Borings (hand auger)***		foot	$5.00	$0.00
6. **Soil Borings (requiring equipment, push technology, etc)* or Field Screening (including water sample, soil sample, soil gas sample, etc.)***				
AA. Standard		per foot	$15.00	$0.00
C1. Fractured Rock		per foot	$20.20	$0.00
7. A1. **Soil Leachability Model**		each	$60.00	$0.00
8. **Abandonment (per foot)***				
A1. 2" diameter or less		per foot	$3.10	$0.00
B1. Greater than 2" to 6" diameter		per foot	$4.50	$0.00
C1. Dug/Bored well (up to 6 feet diameter)		per foot	$15.00	$0.00
9. **Well Installation (per foot)***				
A1. Water Table (hand augered)		per foot	$10.60	$0.00
B1. Water Table (drill rig)		per foot	$38.00	$0.00
CC. Telescoping		per foot	$50.00	$0.00
DD. Rock Drilling		per foot	$58.00	$0.00
E1. 2" Rock Coring		per foot	$30.90	$0.00
G1. Rock Multi-sampling ports/screens		per foot	$33.40	$0.00
HH. Recovery Well (4" diameter)		per foot	$45.00	$0.00
II. Pushed Pre-packed screen (1.25" dia)		per foot	$15.00	$0.00
J1. Rotosonic (2" diameter)		per foot	$44.00	$0.00
K. Re-develop Existing Well		per foot	$11.00	$0.00
10. **Groundwater Sample Collection / Gauge Depth to Water or Product ***				
A1. Groundwater Purge	56	per well/receptor	$60.00	$3,360.00
B1. Air or Vapors		per receptor	$12.00	$0.00
C1. Water Supply		per well/receptor	$22.00	$0.00
D1. Groundwater NP (), SW (2), or Dup (3)	5	per well/receptor	$28.00	$140.00
E1. Gauge Well only		per well	$7.00	$0.00
F1. Sample Below Product		per well	$12.00	$0.00
G1. Passive Diffusion Bag		each	$26.00	$0.00
H1. Field Blank	3	each	$24.60	$73.80
I. Groundwater (low flow purge)		per well/receptor	$91.00	$0.00

11. Laboratory Analyses-Groundwater					
A2. BTEXNM+Oxyg's+1,2 DCA+Eth(8260B)	67	per sample	$122.00		$8,174.00
AA1. Lead, Filtered		per sample	$13.80		$0.00
B2. Rush EPA Method 8260B (All of item A.)		per sample	$153.60		$0.00
C2. Trimethal, Butyl, and Isopropyl Benzenes		per sample	$36.40		$0.00
D1. PAH's		per sample	$60.60		$0.00
E1. Lead		per sample	$16.00		$0.00
F1. EDB by EPA 8011	64	per sample	$45.20		$2,892.80
FF1. EDB by EPA Method 8011 Rush		per sample	$68.20		$0.00
G1. 8 RCRA Metals		per sample	$63.40		$0.00
H1. TPH (9070)		per sample	$41.00		$0.00
II. pH		per sample	$5.20		$0.00
J1. BOD		per sample	$20.00		$0.00
PP. Ethanol		per sample	$14.80		$0.00
11. Analyses-Drinking Water					
L. BTEXNM+1,2 DCA (524.2)		per sample	$124.05		$0.00
M. 7-OXYGENATES & ETHANOL (8260B)		per sample	$91.75		$0.00
N. EDB (504.1)		per sample	$79.50		$0.00
O. RCRA METALS (200.8)		per sample	$100.00		$0.00
11. **Analyses-Soil**					
Q1. BTEX + Naphth.		per sample	$64.00		$0.00
R1. PAH's		per sample	$64.04		$0.00
S1. 8 RCRA Metals		per sample	$56.40		$0.00
U1. TPH-DRO (3550C/8015C)		per sample	$40.00		$0.00
V1. TPH- GRO (5030B/8015C)		per sample	$35.96		$0.00
W1. Grain size/hydrometer		per sample	$104.00		$0.00
X1. Total Organic Carbon		per sample	$30.60		$0.00
11. **Analyses-Air**					
Y1. BTEX + Naphthalene		per sample	$216.00		$0.00
11. **Analyses-Free Phase Product**					
Z1. Hydrocarbon Fuel Identification		per sample	$357.00		$0.00
12. **Aquifer Characterization**					
A1. Pumping Test*		per hour	$23.00		$0.00
B1. Slug Test*		per test	$191.00		$0.00
C1. Fractured Rock		per test	$100.00		$0.00
13. A1. **Free Product Recovery Rate Test***		each	$38.00		$0.00
14. **Fate/Transport Modeling**					
A1. Mathematical Model		each	$100.00		$0.00
B1. Computer Model		each	$100.00		$0.00
15. **Risk Evaluation**					
A. Tier I Risk Evaluation		each	$300.00		$0.00
B1. Tier II Risk Evaluation		each	$100.00		$0.00
16. A1. **Subsequent Survey***		each	$260.00		$0.00
17. **Disposal (gallons or tons)***					
AA. Wastewater	110	gallon	$0.56		$61.60
BB. Free Product		gallon	$0.50		$0.00
C1. Soil Treatment/Disposal		ton	$60.00		$0.00
D1. Drilling fluids		gallon	$0.42		$0.00
18. **Miscellaneous (attach receipts)**					
		each	$0.00		$0.00
		each	$0.00		$0.00
		each	$0.00		$0.00
20. **Tier I Assessment (Use DHEC 3665 form)**		standard			$0.00
21. **IGWA (Use DHEC 3666 form)**		standard			$0.00
22. **Corrective Action (Use DHEC 3667 form)**		PFP Bid			$0.00

23. **Aggressive Fluid & Vapor Recovery (AFVR)**					
A1. 8-hour Event*		each	$1,375.00		$0.00
AA. 24-hour Event*		each	$3,825.00		$0.00
A3. 48-hour Event*		each	$6,265.00		$0.00
A4. 96-hour Event*		each	$12,567.50		$0.00
C1. Off-gas Treatment 8 hour		per event	$122.50		$0.00
C2. Off-gas Treatment 24 hour		per event	$241.50		$0.00
C3. Off-gas Treatment 48 hour		per event	$327.00		$0.00
C4. Off-gas Treatment 96 hour		per event	$780.00		$0.00
D. Site Reconnaissance		each	$203.25		$0.00
E1. Additional Hook-ups		each	$25.75		$0.00
F1. Effluent Disposal		gallon	$0.44		$0.00
G. AFVR Mobilization/Demobilization		each	$391.50		$0.00
24. **Granulated Activated Carbon (GAC) filter system installation & service:**					
A1. New GAC System Installation*		each	$1,900.00		$0.00
BB. Refurbished GAC Sys. Install*		each	$900.00		$0.00
C1. Filter replacement/removal*		each	$350.00		$0.00
DD. GAC System removal, cleaning, & refurbishment*		each	$275.00		$0.00
E1. GAC System housing*		each	$250.00		$0.00
F. In-line particulate filter		each	$150.00		$0.00
G1. Additional piping & fittings		foot	$1.50		$0.00
25. **Well Repair**					
A1. Additional Copies of the Report Delivered		each	$50.00		$0.00
B1. Repair 2x2 MW pad*		each	$50.00		$0.00
C1. Repair 4x4 MW pad*		each	$88.00		$0.00
D1. Repair well vault*		each	$118.00		$0.00
F1. Replace well cover bolts		each	$2.60		$0.00
G. Replace locking well cap & lock		each	$15.00		$0.00
H1. Replace/Repair stick-up*		each	$134.00		$0.00
I1. Convert Flush-mount to Stick-up*		each	$150.00		$0.00
J1. Convert Stick-up to Flush-mount*		each	$130.00		$0.00
K1. Replace missing/illegible well ID plate		each	$12.00		$0.00
Report Prep & Project Coordination	12%	percent	$16,544.20		$1,985.30
TOTAL					$18,529.50

*The appropriate mobilization cost can be added to complete these tasks, as necessary.

DHEC



1,000 0 1,000 2,000
FEET

FIGURE 1
TOPOGRAPHIC MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, South Carolina

TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

providing our clients with the best services available, actually understanding our clients objectives, and making their obectives our own!

PO Box 25
Summerville, South Carolina 29484
(800) 325-0605 (843)-873-8200 fax: (843)-873-8765

SIZE	TERRY Project No.	DWG NO.	REV
B	2170R	Figure 1 Topo Map	

SCALE: As Shown

DATE: October 2019

TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

FIGURE 2
SITE BASE MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170R	07303
SCALE 1" = 80'	DATE October 2019

dhec
Healthy People. Healthy Communities.

LIL CRICKET FOOD STORES
1410 COMMONWEALTH DR
SUITE 202
WILMINGTON NC 28403

NOV 0 1 2019

Re: **Site-Specific Work Plan Approval and Groundwater Sampling Notice to Proceed**
Former Lil Cricket #339, 800 N. W. First St., Seneca, SC
UST Permit #07303; CA #60566
Release #1 reported April 27, 1989
Site Specific Work Plan received October 18, 2019
Oconee County

To Whom it May Concern:

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed and approved the referenced Site Specific Work Plan (SSWP) submitted by your contractor. All work should be conducted in compliance with the most recent revision of the UST QAPP, your contractor's Annual Contractor Quality Assurance Plan, and all applicable regulations. A copy of the current revision of the UST QAPP is available at http://www.scdhec.gov/Environment/LW/UST/ReleaseAssessmentClean-up/QualityAssurance/.

The groundwater sampling event should begin immediately upon receipt of this letter. The Cost Agreement number shown above has been approved for the amount shown on the enclosed cost agreement form.

The Contractor must provide the UST Project Manager with a Project Status Report on a weekly basis via e-mail or notify the UST Project Manager via email 4 days prior to initiation of any site rehabilitation activities. If there are any changes or conflicts with the date(s) of site activities, the UST Project Manager must be contacted within 24 hours of those changes.

Your contractor can submit an invoice for direct payment from the State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. **The Monitoring Report, contractor checklist (QAPP Appendix K), and invoice should be submitted to the UST Division within sixty (60) days of the date of this correspondence.** The Monitoring Report should include the required information as outlined in the UST QAPP.

By law, the SUPERB Account cannot compensate any costs that are not pre-approved. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

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 UST Division is obtained. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be pre-approved by the UST Division for the cost to be paid. The UST Division 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, the UST Division reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

Please note that applicable South Carolina certification requirements regarding laboratory services, well installation, and report preparation must be satisfied. Any site rehabilitation activity associated with the UST release must be performed by a DHEC-certified site rehabilitation contractor as required by the SUPERB Site Rehabilitation and Fund Access Regulation, R.61-98.

The UST Division 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 Chemical of Concern (CoC) concentrations based on laboratory analysis is 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.

On all correspondence regarding this site, please reference UST Permit #07303. Should you have any questions regarding this correspondence, please feel free to contact me by phone at (803) 898-2946, by fax at (803) 898-0673, or by e-mail at lovemk@dhec.sc.gov.

Sincerely,

Meredith Love

Meredith Love, Hydrogeologist
Corrective Action & Field Support Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

enc: Approved Cost Agreement

cc: Terry Environmental Services, Inc., PO Box 25, Summerville, SC 29484 (w/enc)
Technical file (w/enc)

Approved Cost Agreement 60566

Facility: 07303 LIL CRICKET 339
WESTBRCJ
PO Number:

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
01 PLAN						
		A1	SITE SPECIFIC WORK PLAN	1.0000	$150.000	150.00
04 MOB/DEMOB						
		B1	PERSONNEL	4.0000	$423.000	1,692.00
10 SAMPLE COLLECTION						
		A1	GROUNDWATER (PURGE)	56.0000	$60.000	3,360.00
		D1	GROUNDWATER NO PURGE/DUPLICATE	5.0000	$28.000	140.00
		H1	FIELD BLANK	3.0000	$24.600	73.80
11 ANALYSES						
	GW GROUNDWATER	A2	BTEXNM+OXYGS+1,2-DCA+ETH-8260B	67.0000	$122.000	8,174.00
		F1	EDB BY 8011	64.0000	$45.200	2,892.80
17 DISPOSAL						
		AA	WASTEWATER	110.0000	$0.560	61.60
19 RPT/PROJECT MNGT & COORDINATIO						
		PRT	REPORT PREPARATION	0.1200	$16,544.200	1,985.30
				Total Amount		18,529.50

Document Receipt Information

☐ Hard Copy ☒ CD ☐ Email

Date Received Jan 8, 2020

Permit Number 07303

Project Manager Meredith Love

Name of Contractor Tumj Env Servcl

UST Certification Number GWMR

Docket Number 129 tech

Scanned _____

GROUNDWATER MONITORING REPORT
FORMER LI'L CRICKET #339
800 WEST NORTH FIRST STREET
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
CA #60566

Prepared For:

SCDHEC UNDERGROUND STORAGE TANK PROGRAM
2600 BULL ST.
COLUMBIA, SC 29201

Submitted By:

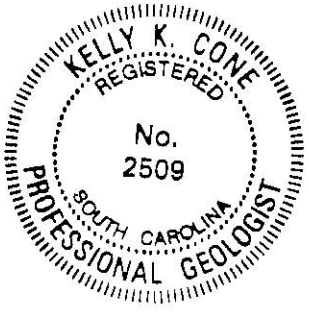
TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. BOX 25
SUMMERVILLE, SOUTH CAROLINA 29484
(843) 873-8200
Fax (843) 225-3472
www.terryenvironmental.com

UST CONTRACTOR #UCC-0223
TERRY PROJECT #2170R

Kelly K. Cone, PG
Vice President, Assessment Services

Jason A. Terry, PG
President



DECEMBER 2019

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A. INTRODUCTION

1. UST Facility and Owner/Operator Information

Facility Name (Permit #):	Former Li'l Cricket #339 (07303)
Facility Address:	800 West North First Street, Seneca, South Carolina 29678
Facility Telephone:	n/a – Not Operating
Owner/ Operator Name:	Li'l Cricket Convenience Stores (Mr. Jim Zuber)
Owner/ Operator Address:	2010 Viburnum Lane, Asheville, NC 28803
Owner/ Operator Telephone:	910-512-9692

2. Property Owner Information

Name:	Thomas & Dorothy Glenn
Address:	800 West North First Street, Seneca, South Carolina 29678
Telephone:	864-710-8747

3. Contractor Information

Name:	Terry Environmental Services, Inc.
Address:	P.O. Box 25, Summerville, South Carolina 29484
Telephone:	843-873-8200
Certification:	UCC-0223

4. Well Driller Information

Not Applicable

5. Laboratory Information

Name:	Shealy Environmental Services Inc. (Shealy)
Address:	106 Vantage Point Drive, Columbia, SC 29172
Telephone:	803-791-9700
Certification:	32010

6. Site History

Date Release Reported to SCDHEC:	April 27, 1989
Estimated Quantity of Product Released:	Unknown
Cause of Release:	Unknown
Current use of Facility:	Commercial property

UST #	Product	Date Installed	Currently In Use (Yes or No)	If not in use, Date Removed
1 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
2 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
3 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
4 (4,000 gal)	Kerosene	Unknown	No	2/22/2000

Other Releases at this site?	Yes	No	**XXXX**
If yes, Date Release Reported to SCDHEC	n/a		
Status of Release:	**n/a**		
No Further Action Date:	n/a		

7. Regional Geology and Hydrogeology

The Former Li'l Cricket #339 site is located in Seneca, SC which lies in the Western Piedmont Province of South Carolina approximately 20 miles to the southeast of the Brevard fault zone. The western piedmont is comprised of the Inner Piedmont block, the Smith River allochthon, and the Sauratwon Mountain window. The Inner Piedmont block encompasses the Inner Piedmont belt and the Chauga belt, and consists of a composite stack of thrust sheets containing a variety of gneisses, schists, amphibolites, sparse ultramafic bodies, and intrusive granitoids. (The Geology of the Carolinas, Horton & Zullo, 1991)

The Former Li'l Cricket #339 site is located in the Inner Piedmont Belt which consists of sillimanite-grade regional metamorphism that decreases in grade to the northwest towards Pickens. Generally, wells drilled to depths less than 250 feet in the rocks of the Inner Piedmont Belt of Pickens County yield one-half to 500 gallons per minute. The highest average yields were obtained from wells drilled in biotite granite gneiss and the lowest average yields were from wells drilled in hornblende gneiss. The average yield of all wells inventoried was 21 gallons per minute. (USGS/SCWRC Report 1: A Reconnaissance of the Water Resources of Pickens County, South Carolina, 1968)

B. RECEPTOR SURVEY & SITE DATA

1. Receptor Survey Results

A receptor survey was not conducted during this scope of work.

2. Current Site and Adjacent Land Use

Description of current site use (commercial, residential, rural, etc.):
Commercial

Description of adjacent land use (commercial, residential, rural, etc):
Commercial, residential, and Duke Power substation

UST sites within a 1,000-foot radius:
Unknown

The site is located at 800 West North First Street in Seneca, South Carolina. The site is bordered to the north by residential property, to the east by commercial property, to the south by West North First Street, and to the west by a Duke Power substation. Further to the south across West North First Street are commercial properties. The general site location is shown on the Topographic Map provided in Section J as Figure 1. A detailed Site Base Map originating from a comprehensive survey completed by Jay S. Joshi (SC Registered Land Surveyor #14811) of Construction Support Services, Inc. on October 8, 2008 is provided in Appendix 1 as Figure 2.

3. Site-Specific Geology and Hydrogeology

Based on the Tier II Assessment reported in March 2009, the general soil profile onsite consists of mostly clayey silt and sandy silt. Partially weathered rock and/or bedrock were encountered at depths ranging from approximately 28 feet to 45 feet below ground surface (bgs). The Site Potentiometric Maps (Figures 5A and 5B, Section J) indicate that shallow groundwater flow is generally to the north and deep groundwater flow is generally to the north-northeast.

C. SOIL ASSESSMENT/FIELD SCREENING INFORMATION & METHODOLOGY

Not Applicable. No soil or groundwater borings were installed during this scope of work.

D. MONITORING WELL INFORMATION

Not Applicable. No monitoring wells were installed during this scope of work.

E. GROUNDWATER DATA

1. Groundwater Sampling Methodology

TERRY conducted a comprehensive sampling event at the site between December 4 and December 6, 2019. Just prior to the sampling event, the monitoring wells were gauged with an oil/water interface probe to determine depth to groundwater measurements and the presence or absence of free-phase petroleum. Water level was recorded to the nearest 0.01 foot and total well depth was recorded to the nearest 0.1 foot. Off-site monitoring well MW-44 could not be located due to heavy vegetation. Two surface water samples (SW-1 and SW-2) were also collected from the creek located in the wooded area to the north of the subject site.

Sampling was conducted from the least contaminated wells to the most contaminated wells based on the previous assessment data. A clean purge pump with new disposable tubing was utilized for purging the wells with large casing volumes and/or adequate recharge rates. Groundwater samples were collected from each monitoring well with a new disposable bailer. Bailers with new colorless nylon rope were slowly lowered into the top of the water column, allowed to fill, and slowly removed to minimize turbidity and disturbance of the volatile organic compounds (VOCs). The surface water samples were also collected with a new disposable bailer.

Trip blanks, field blanks, and field duplicates were prepared or collected in accordance with the SCDHEC UST QAPP, Revision 3.1. One trip blank was shipped with each cooler and analyzed for VOCs. One field blank was collected for each day of sampling and analyzed for VOCs and 1,2 Dibromoethane (EDB). One field duplicate was collected for each batch of twenty samples and analyzed for VOCs and EDB.

Samples were immediately packed in a cooler of ice and proper temperatures were maintained in accordance with the SCDHEC UST QAPP, Revision 3.1 and the site-specific Addendum. At the completion of the sampling event, the samples were submitted to a SCDHEC certified laboratory for analyses. The samples were analyzed for Benzene, Toluene, Ethylbenzene, Xylenes, Naphthalene, Methyl tertiary butyl ether, 1,2-Dichloroethane, Oxygenates, Ethanol, and EDB.

Field conditions were documented throughout the sampling event. All field measurement equipment was properly cleaned and decontaminated before use, between each well, and prior to site departure in accordance with "Appendix H: Standard Field Cleaning Procedures" of the SCDHEC UST QAPP, Revision 3.1. By-products were initially stored onsite in a 55 gallon drum and transported to US Water Recovery for disposal and the disposal Manifest is provided in Appendix G. The field measurement equipment was properly calibrated prior to the sampling event and verified after four (4) hours of use and at the completion of the event. The calibration and verification data for the sampling event are provided in Appendix B.

Depth to groundwater measurements were taken with reference to the top of well casing (TOC) and converted to elevations by subtracting the depth to groundwater measurements from the TOC elevations. Potentiometric data are provided in Section I as Table 2 and on the Groundwater Sampling Logs provided in Appendix B. The groundwater measurements collected during the sampling event for the no-purge wells are provided as follows:

SECTION E -1
GROUNDWATER MEASUREMENTS (NO PURGE SAMPLING)
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303

Well	Date	pH	Specific Conductance	Water Temperature	Turbity	Dissolved Oxygen
Units	--	su	mS/cm	°C	NTU	mg/L
07303-MW3	12/5/2019	5.81	0.105	19.2	31.7	3.01
07303-MW10	12/6/2019	Free Product (0.01 ft)				
07303-MW12	12/5/2019	5.08	0.093	19.8	0.0	4.17
07303-MW13	12/5/2019	5.24	0.111	19.8	23.6	3.36
07303-MW14	12/4/2019	4.51	0.073	17.6	65.6	5.23
07303-MW15	12/6/2019	5.29	0.279	15.4	29.5	2.91
07303-MW18	12/5/2019	6.02	0.302	20.0	10.9	3.87
07303-MW19	12/5/2019	5.68	0.089	19.1	22.9	1.88
07303-MW20	12/6/2019	5.85	0.288	16.7	55	1.78
07303-MW21	12/4/2019	4.79	0.049	17.8	80.1	6.58
07303-MW22	12/5/2019	6.65	0.115	17.3	49.7	4.39
07303-MW23	12/4/2019	6.83	0.109	18.4	23.3	5.34
07303-MW24	12/5/2019	6.30	0.088	18.8	59.0	2.69
07303-MW25	12/4/2019	5.60	0.096	18.1	20.6	6.92
07303-MW26	12/5/2019	7.13	0.231	16.9	52.7	2.61
07303-MW27	12/6/2019	5.74	0.389	14.2	193	2.65
07303-MW28	12/4/2019	5.05	0.217	18.6	21.9	7.04
07303-MW29	12/5/2019	10.41	0.225	18.1	43.9	3.25
07303-MW31	12/5/2019	9.54	0.109	15.6	8.1	6.27
07303-MW32	12/5/2019	5.59	0.087	16.4	29.5	4.63
07303-MW33	12/5/2019	6.11	0.135	15.8	33.3	5.10
07303-MW34	12/5/2019	6.26	0.058	16.8	44.2	5.09
07303-MW35	12/5/2019	8.36	0.091	17.1	225	5.09
07303-MW36	12/4/2019	5.04	0.034	15.1	54.5	8.81
07303-MW37	12/4/2019	4.61	0.084	16.7	130	6.65
07303-MW38	12/4/2019	4.85	0.077	17.4	3.0	7.77
07303-MW39	12/4/2019	5.67	0.087	17.8	27.9	7.30
07303-MW40	12/4/2019	4.56	0.122	19.2	499	3.77
07303-MW41	12/4/2019	5.93	0.123	18.5	206	5.61
07303-MW42	12/4/2019	5.47	0.058	17.2	236	4.63

07303-MW43	12/4/2019	8.38	0.236	19.0	36.6	6.15
07303-MW44	12/4/2019	Could Not Find				
07303-MW45	12/4/2019	5.63	0.053	17.3	110	4.79
07303-MW46	12/4/2019	5.44	0.033	17.2	129	5.99
07303-MW47	12/4/2019	5.34	0.026	16.2	391	6.21
07303-MW48	12/4/2019	5.30	0.048	15.0	163	3.93
07303-RW1	12/5/2019	Free Product (2.50 ft)				
07303-RW2	12/6/2019	6.27	0.444	15.8	317	2.48
07303-RW3	12/6/2019	6.01	0.321	16.9	16.1	2.85
07303-RW4	12/6/2019	6.29	0.251	16.9	29.6	2.08
07303-RW5	12/6/2019	Free Product (0.01 ft)				
07303-DW5	12/4/2019	12.22	5.23	18.3	82.7	3.06

NOTES/KEY:
su = standard unit
mS/cm = milliSiemens per centimeter
NTU = nephelometric turbity units
mg/L = milligrams per liter

2. Purging Methodology

Purging was conducted from the least contaminated wells to the most contaminated wells based on the previous assessment data. Prior to purging, new plastic sheeting was placed on the ground surface around the well to prevent contamination of pumps, hoses, meters, etc. For monitoring wells with smaller casing volumes and/or slow recharge rates, a new disposable bailer was utilized for purging. When utilized, bailers with new colorless nylon rope were slowly lowered into the top of the water column, allowed to fill, and slowly removed to minimize turbidity and disturbance of the VOCs. When utilized, the purge pump was lowered approximately 3-5 feet into the standing water column and adjusted only if the pumping rate exceeded the recovery rate as drawdown occurred. In accordance with the SCDHEC UST QAPP, Revision 3.1, an adequate purge was achieved when pH, specific conductance, and temperature of the groundwater stabilized, and turbidity either stabilized or was below 10 nephelometric turbidity units (NTUs). The purge and decontamination water generated was initially stored onsite in a 55 gallon drum until analytical results were reported. The non-contaminated water generated was disposed onsite and poured onto a non-pervious surface in the source area. The contaminated water was transported to US Water Recovery for disposal and the disposal Manifest is provided in Appendix G.

If a well was pumped or purged dry, even with reduced purge rates, the well was considered adequately purged per the SCDHEC UST QAPP, Revision 3.1. The sample was collected immediately following sufficient recovery to fill all sampling containers. The groundwater measurements collected during the sampling event for the purged wells are provided as follows:

SECTION E -2
GROUNDWATER MEASUREMENTS (PURGE SAMPLING)
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303

07303-MW5R	**12/5/2019**						
Volume (gal)	Initial	3.75	7.5	10.0	10.25/Dry/Sample		
Time (military)	1406	1417	1439	1452	1459		
pH (su)	6.73	6.87	9.42	9.33	9.04		
Spec Conductivity (mS/cm)	0.119	1.28	1.39	1.40	1.25		
Water Temperature (°C)	18.1	18.3	19.6	19.4	20.5		
Turbidity (NTU)	10.4	444	498	496	499		
Dissolved Oxygen (mg/L)	2.19	3.70	2.17	4.42	5.81		
07303-MW9	**12/6/2019**						
Volume (gal)	Initial	3	3.5	3.75/Dry/Sample	Duplicate (DUP)		
Time (military)	0906	0912	0921	0931	0933		
pH (su)	6.49	6.63	6.54	6.73			
Spec Conductivity (mS/cm)	0.541	0.607	0.595	0.617			
Water Temperature (°C)	16.4	17.2	16.5	15.5			
Turbidity (NTU)	131	150	314	235			
Dissolved Oxygen (mg/L)	2.89	1.85	3.19	2.41			
07303-MW11	**12/5/2019**						
Volume (gal)	Initial	1.75	3.50	5.25	7.00	8.75	
Time (military)	1128	1136	1140	1142	1146	1156	
pH (su)	5.61	4.50	5.20	5.31	5.35	5.39	
Spec Conductivity (mS/cm)	0.074	0.213	0.105	0.089	0.085	0.088	
Water Temperature (°C)	19.1	19.5	19.6	19.6	19.7	20.4	
Turbidity (NTU)	50.0	32.8	20.9	59.3	64.2	31.6	
Dissolved Oxygen (mg/L)	5.83	2.50	2.41	7.17	7.92	6.74	
07303-MW16	**12/5/2019**						
Volume (gal)	Initial	3	6	9	12/Sample		
Time (military)	1627	1631	1633	1636	1638		
pH (su)	5.67	5.81	5.63	5.54	5.59		
Spec Conductivity (mS/cm)	0.135	0.137	0.132	0.131	0.128		
Water Temperature (°C)	20.1	19.9	19.6	19.5	19.5		
Turbidity (NTU)	262	309	35.3	32.3	33.0		
Dissolved Oxygen (mg/L)	2.75	2.82	2.37	2.45	2.42		
07303-MW17	**12/5/2019**						
Volume (gal)	Initial	3.25	6.50	9.75	13.0	16.25/Sample	
Time (military)	1732	1734	1735	1737	1739	1743	
pH (su)	5.66	5.58	5.50	5.58	5.80	5.69	
Spec Conductivity (mS/cm)	0.149	0.142	0.136	0.133	0.130	0.131	
Water Temperature (°C)	18.2	18.5	18.8	18.9	19.0	18.9	
Turbidity (NTU)	321	61.8	55.9	15.2	12.9	9.4	
Dissolved Oxygen (mg/L)	4.71	4.04	3.94	2.78	3.74	2.50	
07303-MW30	**12/5/2019**						
Volume (gal)	Initial	4	8	8.5	8.75/Dry/Sample		
Time (military)	1700	1703	1708	1711	1716		
pH (su)	5.30	5.33	5.41	5.52	5.35		
Spec Conductivity (mS/cm)	0.115	0.122	0.131	0.129	0.124		
Water Temperature (°C)	17.8	18.3	18.5	18.6	18.4		
Turbidity (NTU)	397	469	499	496	489		
Dissolved Oxygen (mg/L)	7.38	3.39	3.43	5.12	2.14		
07303-DW1	**12/5/2019**						
Volume (gal)	Initial	6	12	18	24	30/Sample	
Time (military)	1038	1043	1049	1053	1056	1102	
pH (su)	11.16	8.73	7.80	7.56	7.38	6.81	
Spec Conductivity (mS/cm)	0.437	0.251	0.243	0.239	0.238	0.228	
Water Temperature (°C)	17.9	18.5	18.5	18.0	17.8	18.2	
Turbidity (NTU)	47.8	41.2	24.7	21.2	18.1	26.3	
Dissolved Oxygen (mg/L)	3.18	1.49	2.73	1.43	1.78	1.90	

07303-DW2	**12/5/2019**						
Volume (gal)	Initial	6.5	13	19.5	26	32.5/Sample	
Time (military)	1338	1343	1350	1356	1403	1410	
pH (su)	9.17	7.28	6.58	6.55	6.14	6.15	
Spec Conductivity (mS/cm)	0.244	0.225	0.224	0.223	0.212	0.211	
Water Temperature (°C)	19.2	18.8	19.4	18.3	19.1	19.2	
Turbidity (NTU)	29.1	1.0	0.0	0.0	0.0	0.1	
Dissolved Oxygen (mg/L)	6.44	4.48	4.38	4.28	2.93	4.61	
07303-DW3	**12/5/2019**						
Volume (gal)	Initial	7	14.00	21	28	35/Sample	
Time (military)	1510	1517	1522	1529	1536	1543	
pH (su)	10.99	7.90	7.30	6.62	6.25	6.33	
Spec Conductivity (mS/cm)	0.545	0.331	0.210	0.208	0.209	0.202	
Water Temperature (°C)	20.8	20.1	19.8	19.6	19.8	19.6	
Turbidity (NTU)	126	78	2.5	0.0	0.0	0.0	
Dissolved Oxygen (mg/L)	3.58	2.18	2.88	2.49	1.73	4.06	
07303-DW6	**12/5/2019**						
Volume (gal)	Initial	8.00	8.25/Dry/Sample				
Time (military)	0955	1021	1028				
pH (su)	11.26	10.83	11.24				
Spec Conductivity (mS/cm)	0.519	0.422	0.459				
Water Temperature (°C)	17.0	17.4	17.9				
Turbidity (NTU)	20.7	30.1	42.1				
Dissolved Oxygen (mg/L)	2.34	0.98	1.12				
07303-DW7	**12/5/2019**						
Volume (gal)	Initial	6.0	6.25/Dry/Sample				
Time (military)	1422	1435	1450				
pH (su)	11.91	11.78	11.94				
Spec Conductivity (mS/cm)	3.70	2.60	3.45				
Water Temperature (°C)	19.0	19.0	19.6				
Turbidity (NTU)	16	45.7	52.8				
Dissolved Oxygen (mg/L)	2.20	2.56	1.96				
07303-DW9	**12/5/2019**						
Volume (gal)	Initial	7.5	15	22.5	30	37.5/Sample	
Time (military)	0800	0803	0810	0815	0821	0834	
pH (su)	5.58	5.82	6.19	6.32	6.47	6.32	
Spec Conductivity (mS/cm)	0.223	0.168	0.156	0.154	0.154	0.151	
Water Temperature (°C)	14.5	15.8	16.0	16.3	16.1	16.3	
Turbidity (NTU)	27.1	32.8	13.9	15.6	14.1	15.9	
Dissolved Oxygen (mg/L)	2.15	4.40	4.73	4.43	4.63	4.76	
07303-DW10	**12/5/2019**						
Volume (gal)	Initial	10.5	10.75/Dry/Sample				
Time (military)	0853	0918	0926				
pH (su)	12.00	11.82	11.75				
Spec Conductivity (mS/cm)	1.66	1.70	1.78				
Water Temperature (°C)	15.9	16.5	16.8				
Turbidity (NTU)	12.6	350	124				
Dissolved Oxygen (mg/L)	1.93	2.53	1.65				
07303-DW11	**12/5/2019**						
Volume (gal)	Initial	5.5	11.0	16.5/Sample			
Time (military)	1205	1207	1210	1214			
pH (su)	6.38	6.58	6.65	6.63			
Spec Conductivity (mS/cm)	0.286	0.281	0.265	0.258			
Water Temperature (°C)	18.7	18.4	18.5	18.2			
Turbidity (NTU)	21.9	13.8	12.8	13.1			
Dissolved Oxygen (mg/L)	3.83	3.04	3.13	3.05			

NOTES/KEY:
gal = gallons
unit
mS/cm = milliSiemens per centimeter
NTU = nephelometric turbity units
mg/L = milligrams per liter

3. Free Product Measurements

Free-phase petroleum was measured in monitoring wells MW-10 (0.01 feet), RW-1 (2.50 feet) and RW-5 (0.01 feet) on December 5 and December 6, 2019.

F. AFVR INFORMATION

Not Applicable. No Aggressive Fluid Vapor Recovery (AFVR) Events were performed during this scope of work.

G. GRANULATED ACTIVATED CARBON INSTALLATION

Not Applicable. No granulated activated carbon units were installed during this scope of work.

H. RESULTS & DISCUSSION

1. Assessment Results

During this scope of work, TERRY conducted a comprehensive groundwater sampling event between December 4 and December 6, 2019 in accordance with the SCDHEC UST QAPP, Revision 3.1 and the associated site-specific work plan submitted in October 2019. Off-site monitoring well MW-44 could not be located. Free-phase petroleum was measured in monitoring wells MW-10, RW-1, and RW-5.

The groundwater analytical data are summarized in Section I as Table 3, and are included in Appendix B. The analytical data were used to generate contaminant concentration maps for CoC's detected by the laboratory and are provided in Section J as Figures 4A and 4B. Based on the analytical data, groundwater contamination is present above Risked-Based Screening Levels (RBSLs) in the source area (MW-9, MW-10, MW-19, MW-20, RW-1, RW-2, RW-3, RW-4, and RW-5) and migrates in the direction of groundwater flow (MW-15, MW-27, and MW-29). The plume is horizontally and vertically defined. The analytical data for the surface water sample (SW-1) indicate contamination is present well below the respective RBSLs. The sample collected from SW-2 did not show evidence of petroleum contamination.

SCDHEC sent a letter dated October 10, 2019 stating that active corrective action is necessary at this site to mitigate petroleum impacts. Depending on the timeframe to prepare and award the bid for corrective action an interim AFVR Event may be warranted on RW-1. Free-phase petroleum was measured in RW-1 at 2.50 feet, the greatest historical thickness noted at the subject site.

2. Aquifer Evaluation Results

Not Applicable

3. Fate & Transport Results

Not Applicable

4. Tier 1 Risk Evaluation

Not Applicable

5. Tier 2 Risk Evaluation

Not Applicable

I. TABLES

1. Soil Analytical Data

Table 1 Soil Analytical Data - Not Applicable

2. Potentiometric Data

Table 2 Groundwater Potentiometric Data - Attached

3. Laboratory Data

Table 3 Groundwater Laboratory Data - Attached

4. Aquifer Characteristics

Table 4 Aquifer Characteristics - Not Applicable

5. Site Conceptual Model

Table 5 Site Conceptual Model - Not Applicable

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170R

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW3	10/1/2008	152.15	37-55	-	41.28	-	110.87
	2/16/2009			-	41.54	-	110.61
	6/22/2009			Not Sampled			
	2/25/2011			-	38.78	-	113.37
	4/29/2015			-	38.87	-	113.28
	4/5/2016			-	37.93	-	114.22
	2/2/2017			-	40.85	-	111.30
	2/12/2019			-	37.65	-	114.50
	12/5/2019			-	37.84	-	114.31
07303-MW5R	10/1/2008	150.01	50-60	-	59.55	-	90.46
	2/16/2009			-	53.20	-	96.81
	6/22/2009			Not Sampled			
	2/25/2011			-	38.63	-	111.38
	4/29/2015			-	31.40	-	118.61
	4/5/2016			-	38.34	-	111.67
	2/2/2017			-	40.54	-	109.47
	2/13/2019			-	27.15	-	122.86
	12/5/2019			-	36.92	-	113.09
07303-MW9	10/1/2008	150.85	45-55	-	40.81	-	110.04
	2/16/2009			-	40.44	-	110.41
	6/22/2009			Not Sampled			
	2/25/2011			-	37.05	-	113.80
	5/25/2011			-	37.33	-	113.52
	4/29/2015			-	37.79	-	113.06
	4/6/2016			-	35.44	-	115.41
	2/3/2017			-	39.24	-	111.61
	2/13/2019			-	36.40	-	114.45
	12/6/2019			-	36.42	-	114.43
07303-MW10	10/1/2008	152.07	42-52	43.62	43.95	**0.33**	108.12
	2/16/2009			43.83	43.93	**0.10**	108.14
	6/22/2009			Not Sampled			
	2/24/2011			41.47	41.49	**0.02**	110.58
	5/25/2011			40.94	40.97	**0.03**	111.10
	4/29/2015			-	41.36	-	110.71
	4/6/2016			-	39.69	-	112.38
	2/3/2017			43.17	43.31	**0.14**	108.76
	2/13/2019			40.32	40.33	**0.01**	111.74
	12/6/2019			40.19	40.20	**0.01**	111.87

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GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170R

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW11	2/17/2009	153.51	40-50	-	43.31	-	110.20
	6/22/2009			Not Sampled			
	2/24/2011			-	40.65	-	112.86
	4/27/2015			-	40.65	-	112.86
	4/5/2016			-	38.69	-	114.82
	2/2/2017			-	42.62	-	110.89
	2/12/2019			-	39.72	-	113.79
	12/5/2019			-	39.55	-	113.96
07303-MW12	2/17/2009	154.40	40-50	-	45.39	-	109.01
	6/22/2009			Not Sampled			
	2/24/2011			-	42.86	-	111.54
	4/27/2015			-	42.80	-	111.60
	4/5/2016			-	40.95	-	113.45
	2/3/2017			-	44.73	-	109.67
	2/12/2019			-	41.91	-	112.49
	12/5/2019			-	41.83	-	112.57
07303-MW13	2/17/2009	153.54	40-50	-	45.34	-	108.20
	6/22/2009			Not Sampled			
	2/24/2011			-	42.93	-	110.61
	4/29/2015			-	42.77	-	110.77
	4/5/2016			-	40.07	-	113.47
	2/3/2017			-	44.72	-	108.82
	2/12/2019			-	41.90	-	111.64
	12/5/2019			-	41.86	-	111.68
07303-MW14	2/17/2009	154.32	45-55	-	49.58	-	104.74
	6/22/2009			Not Sampled			
	2/24/2011			-	47.29	-	107.03
	4/27/2015			-	46.98	-	107.34
	4/5/2016			-	44.85	-	109.47
	2/2/2017			-	50.11	-	104.21
	2/12/2019			-	45.96	-	108.36
	12/4/2019			-	46.16	-	108.16
07303-MW15	2/17/2009	152.67	40-50	-	47.05	-	105.62
	6/22/2009			Not Sampled			
	2/24/2011			-	44.64	-	108.03
	4/29/2015			-	44.35	-	108.32
	4/5/2016			-	41.80	-	110.87
	2/2/2017			-	46.48	-	106.19
	2/14/2019			-	42.55	-	110.12
	12/6/2019			-	42.91	-	109.76

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170R

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW16	2/17/2009	151.33	40-55	-	42.08	-	109.25
	6/22/2009			Not Sampled			
	2/25/2011			-	39.09	-	112.24
	4/29/2015			-	38.45	-	112.88
	4/5/2016			-	35.36	-	115.97
	2/2/2017			-	40.22	-	111.11
	2/13/2019			-	37.06	-	114.27
	12/5/2019			-	36.69	-	114.64
07303-MW17	2/16/2009	150.78	40-55	-	41.43	-	109.35
	6/22/2009			Not Sampled			
	2/25/2011			-	38.29	-	112.49
	4/29/2015			-	37.72	-	113.06
	4/5/2016			-	34.31	-	116.47
	2/2/2017			-	40.05	-	110.73
	2/12/2019			-	35.45	-	115.33
	12/5/2019			-	36.32	-	114.46
07303-MW18	2/16/2009	150.31	35-50	-	40.90	-	109.41
	6/22/2009			Not Sampled			
	2/25/2011			-	37.93	-	112.38
	4/29/2015			-	37.25	-	113.06
	4/5/2016			-	33.85	-	116.46
	2/3/2017			-	39.41	-	110.90
	2/12/2019			-	34.70	-	115.61
	12/5/2019			-	35.81	-	114.50
07303-MW19	2/17/2009	150.78	38-53	-	40.33	-	110.45
	6/22/2009			Not Sampled			
	2/25/2011			***	37.32	**0.05**	113.46
	5/25/2011			36.53	37.28	**0.75**	113.50
	4/29/2015			-	37.35	-	113.43
	4/6/2016			35.23	35.28	**0.05**	115.50
	2/3/2017			-	39.40	-	111.38
	2/13/2019			35.89	35.90	**0.01**	114.88
	12/5/2019			--	38.25	--	112.53
07303-MW20	2/17/2009	152.08	35-50	-	43.12	-	108.96
	6/22/2009			Not Sampled			
	2/25/2011			40.25	40.32	**0.07**	111.76
	5/25/2011			39.74	39.76	**0.02**	112.32
	4/29/2015			-	40.39	-	111.69
	4/6/2016			-	38.61	-	113.47
	2/3/2017			-	42.33	-	109.75
	2/13/2019			-	39.34	-	112.74
	12/6/2019			-	39.28	-	112.80

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170R

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW21	6/22/2009	154.55	40-55	-	49.56	-	104.99
	2/25/2011			-	48.61	-	105.94
	4/29/2015			-	48.36	-	106.19
	4/5/2016			-	46.51	-	108.04
	2/2/2017			-	49.05	-	105.50
	2/12/2019			-	47.55	-	107.00
	12/4/2019			-	47.68	-	106.87
07303-MW22	6/22/2009	149.85	40-55	-	48.02	-	101.83
	2/24/2011			-	47.74	-	102.11
	4/27/2015			-	47.05	-	102.80
	4/5/2016			-	44.66	-	105.19
	2/2/2017			-	49.53	-	100.32
	2/13/2019			-	45.50	-	104.35
	12/5/2019			-	46.62	-	103.23
07303-MW23	6/22/2009	150.05	40-55	-	48.52	-	101.53
	2/24/2011			-	48.38	-	101.67
	4/29/2015			Obstructed			
	4/5/2016			-	44.94	-	105.11
	2/2/2017			-	50.06	-	99.99
	2/14/2019			-	45.83	-	104.22
	12/4/2019			-	47.00	-	103.05
07303-MW24	6/22/2009	150.02	40-55	-	48.43	-	101.59
	2/24/2011			-	48.32	-	101.70
	4/28/2015			-	47.48	-	102.54
	4/6/2016			-	44.78	-	105.24
	2/2/2017			-	50.23	-	99.79
	2/14/2019			-	45.59	-	104.43
	12/5/2019			-	46.98	-	103.04
07303-MW25	6/22/2009	148.14	39-54	-	46.31	-	101.83
	2/24/2011			-	46.31	-	101.83
	4/28/2015			-	45.14	-	103.00
	4/5/2016			-	42.30	-	105.84
	2/2/2017			-	48.29	-	99.85
	2/14/2019			-	42.86	-	105.28
	12/4/2019			-	44.68	-	103.46
07303-MW26	6/22/2009	146.65	37-52	-	43.96	-	102.69
	2/24/2011			-	44.06	-	102.59
	4/29/2015			-	42.70	-	103.95
	4/6/2016			-	40.12	-	106.53
	2/2/2017			-	46.24	-	100.41
	2/14/2019			-	40.09	-	106.56
	12/5/2019			-	42.49	-	104.16

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170R

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW27	6/22/2009	149.99	40-55	-	46.59	-	103.40
	2/24/2011			-	45.99	-	104.00
	4/29/2015			-	45.40	-	104.59
	4/6/2016			-	42.86	-	107.13
	2/2/2017			-	48.07	-	101.92
	2/14/2019			-	43.92	-	106.07
	12/6/2019			-	44.79	-	105.20
07303-MW28	6/22/2009	152.24	40-55	-	48.87	-	103.37
	2/24/2011			-	48.28	-	103.96
	4/29/2015			-	46.74	-	105.50
	4/5/2016			-	45.42	-	106.82
	2/2/2017			-	50.13	-	102.11
	2/12/2019			-	46.51	-	105.73
	12/4/2019			-	47.05	-	105.19
07303-MW29	6/22/2009	152.17	40-55	-	46.43	-	105.74
	2/25/2011			-	46.96	-	105.21
	4/29/2015			-	45.26	-	106.91
	4/5/2016			-	41.49	-	110.68
	2/2/2017			-	49.60	-	102.57
	2/13/2019			-	41.26	-	110.91
	12/5/2019			-	43.89	-	108.28
07303-MW30	6/22/2009	151.23	45-60	-	40.72	-	110.51
	2/25/2011			-	39.18	-	112.05
	4/29/2015			-	38.33	-	112.90
	4/5/2016			-	35.17	-	116.06
	2/2/2017			-	40.54	-	110.69
	2/13/2019			-	36.67	-	114.56
	12/5/2019			-	37.15	-	114.08
07303-MW31	6/22/2009	148.95	26-41	-	32.82	-	116.13
	2/25/2011			-	31.98	-	116.97
	4/28/2015			-	31.66	-	117.29
	4/4/2016			-	29.65	-	119.30
	2/1/2017			-	34.40	-	114.55
	2/11/2019			-	29.72	-	119.23
	12/5/2019			-	31.39	-	117.56
07303-MW32	6/22/2009	150.06	30-45	-	34.86	-	115.20
	2/25/2011			-	33.66	-	116.40
	4/28/2015			-	33.53	-	116.53
	4/4/2016			-	31.30	-	118.76
	2/1/2017			-	36.12	-	113.94
	2/11/2019			-	31.94	-	118.12
	12/5/2019			-	32.75	-	117.31

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170R

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW33	6/22/2009	151.57	29-44	-	36.67	-	114.90
	2/25/2011			-	35.39	-	116.18
	4/28/2015			-	35.36	-	116.21
	4/4/2016			-	33.07	-	118.50
	2/1/2017			-	37.82	-	113.75
	2/11/2019			-	33.90	-	117.67
	12/5/2019			-	34.50	-	117.07
07303-MW34	6/22/2009	153.70	30-45	-	39.61	-	114.09
	2/25/2011			-	38.27	-	115.43
	4/28/2015			-	38.40	-	115.30
	4/4/2016			-	36.05	-	117.65
	2/1/2017			-	40.58	-	113.12
	2/11/2019			-	36.18	-	117.52
	12/5/2019			-	37.39	-	116.31
07303-MW35	6/22/2009	154.52	31-46	-	40.48	-	114.04
	2/25/2011			-	39.17	-	115.35
	4/28/2015			-	39.30	-	115.22
	4/4/2016			-	36.96	-	117.56
	2/1/2017			-	41.49	-	113.03
	2/11/2019			-	37.15	-	117.37
	12/5/2019			-	38.22	-	116.30
07303-MW36	6/22/2009	156.04	31-46	-	40.42	-	115.62
	2/24/2011			-	39.28	-	116.76
	4/27/2015			-	39.32	-	116.72
	4/4/2016			-	36.91	-	119.13
	2/1/2017			-	41.82	-	114.22
	2/11/2019			-	37.69	-	118.35
	12/4/2019			-	38.42	-	117.62
07303-MW37	6/22/2009	151.73	29-44	-	35.92	-	115.81
	2/24/2011			-	34.90	-	116.83
	4/27/2015			-	34.72	-	117.01
	4/4/2016			-	32.44	-	119.29
	2/1/2017			-	37.47	-	114.26
	2/11/2019			-	32.95	-	118.78
	12/4/2019			-	34.15	-	117.58
07303-MW38	6/22/2009	150.63	32-47	-	34.61	-	116.02
	2/24/2011			-	33.69	-	116.94
	4/27/2015			-	33.41	-	117.22
	4/4/2016			-	31.24	-	119.39
	2/1/2017			-	36.23	-	114.40
	2/11/2019			-	31.61	-	119.02
	12/4/2019			-	33.20	-	117.43

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170R

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW39	2/25/2011	149.78	42-52	-	48.39	-	101.39
	4/28/2015			-	46.94	-	102.84
	4/5/2016			-	44.19	-	105.59
	2/2/2017			-	50.35	-	99.43
	2/13/2019			-	42.30	-	107.48
	12/4/2019			-	46.75	-	103.03
07303-MW40	2/25/2011	132.33	6-16	-	14.64	-	117.69
	4/28/2015			-	13.72	-	118.61
	4/5/2016			-	13.66	-	118.67
	2/1/2017			-	14.44	-	117.89
	2/12/2019			-	13.16	-	119.17
	12/4/2019			-	14.45	-	117.88
07303-MW41	3/24/2011	147.24	42-52	-	46.40	-	100.84
	4/28/2015			-	45.71	-	101.53
	4/5/2016			-	42.96	-	104.28
	2/2/2017			-	48.40	-	98.84
	2/12/2019			-	43.71	-	103.53
	12/4/2019			-	45.22	-	102.02
07303-MW42	2/25/2011	112.87	2-9	-	9.13	-	103.74
	4/28/2015			-	7.97	-	104.90
	4/5/2016			-	8.35	-	104.52
	2/1/2017			-	8.28	-	104.59
	2/14/2019			-	4.60	-	108.27
	12/4/2019			-	8.64	-	104.23
07303-MW43	3/24/2011	144.35	40-50	-	43.89	-	100.46
	4/28/2015			Could Not Find			
	4/5/2016			Could Not Find			
	2/2/2017			Could Not Find			
	2/12/2019			-	41.53	-	102.82
	12/4/2019			-	42.90	-	101.45
07303-MW44	5/5/2011	145.55	42-52	-	45.36	-	100.19
	4/28/2015			-	46.87	-	98.68
	4/6/2016			Could Not Find			
	2/2/2017			Could Not Find			
	2/14/2019			Could Not Find			
	12/4/2019			Could Not Find			
07303-MW45	5/5/2011	140.80	42-52	-	46.19	-	94.61
	4/28/2015			Could Not Find			
	4/6/2016			Could Not Find			
	2/2/2017			Could Not Find			
	2/13/2019			-	44.93	-	95.87
	12/4/2019			-	46.18	-	94.62

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170R

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW46	5/5/2011	140.64	40-50	-	44.75	-	95.89
	4/28/2015			-	44.82	-	95.82
	4/6/2016			-	42.19	-	98.45
	2/2/2017			-	46.97	-	93.67
	2/13/2019			-	41.69	-	98.95
	12/4/2019			-	44.73	-	95.91
07303-MW47	5/5/2011	126.76	32-42	-	36.62	-	90.14
	4/28/2015			Could Not Find			
	4/6/2016			-	35.22	-	91.54
	2/2/2017			-	37.78	-	88.98
	2/13/2019			-	35.05	-	91.71
	12/4/2019			-	36.88	-	89.88
07303-MW48	5/5/2011	87.83	3-8	-	4.01	-	83.82
	4/28/2015			Could Not Find			
	4/6/2016			-	3.93	-	83.90
	2/2/2017			-	4.04	-	83.79
	2/13/2019			-	3.88	-	83.95
	12/4/2019			-	3.96	-	83.87
07303-DW1	2/17/2009	152.36	75-80	-	47.91	-	104.45
	6/22/2009			Not Sampled			
	2/24/2011			-	45.34	-	107.02
	4/30/2015			-	45.26	-	107.10
	4/5/2016			-	43.06	-	109.30
	2/2/2017			-	47.48	-	104.88
	2/12/2019			-	44.15	-	108.21
	12/5/2019			-	44.39	-	107.97
07303-DW2	2/17/2009	151.77	75-80	-	44.15	-	107.62
	6/22/2009			Not Sampled			
	2/24/2011			-	41.68	-	110.09
	4/30/2015			-	41.56	-	110.21
	4/6/2016			-	39.73	-	112.04
	2/3/2017			-	43.45	-	108.32
	2/12/2019			-	40.72	-	111.05
	12/5/2019			-	40.25	-	111.52
07303-DW3	2/17/2009	150.83	75-80	-	42.12	-	108.71
	6/22/2009			Not Sampled			
	2/24/2011			-	40.06	-	110.77
	4/30/2015			-	39.45	-	111.38
	4/6/2016			-	37.18	-	113.65
	2/3/2017			-	41.19	-	109.64
	2/13/2019			-	38.25	-	112.58
	12/5/2019			-	38.50	-	112.33

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170R

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-DW5	6/22/2009	150.19	75-80	-	45.55	-	104.64
	2/24/2011			-	61.27	-	88.92
	4/27/2015			-	55.76	-	94.43
	4/5/2016			-	72.21	-	77.98
	2/2/2017			-	68.81	-	81.38
	2/13/2019			-	66.53	-	83.66
	12/4/2019			-	75.25	-	74.94
07303-DW6	6/23/2009	152.59	115-130	-	63.39	-	89.20
	2/24/2011			-	49.98	-	102.61
	4/30/2015			-	49.80	-	102.79
	4/5/2016			-	42.23	-	110.36
	2/2/2017			-	51.41	-	101.18
	2/12/2019			-	49.30	-	103.29
	12/5/2019			-	49.54	-	103.05
07303-DW7	6/23/2009	151.97	115-120	-	113.41	-	38.56
	2/24/2011			-	46.27	-	105.70
	4/30/2015			-	43.77	-	108.20
	4/6/2016			-	64.10	-	87.87
	2/3/2017			-	63.42	-	88.55
	2/12/2019			-	51.55	-	100.42
	12/5/2019			-	65.45	-	86.52
07303-DW9	6/22/2009	151.96	75-80	-	37.64	-	114.32
	2/24/2011			-	36.34	-	115.62
	4/27/2015			-	36.14	-	115.82
	4/4/2016			-	33.92	-	118.04
	2/1/2017			-	38.55	-	113.41
	2/11/2019			-	36.77	-	115.19
	12/5/2019			-	35.44	-	116.52
07303-DW10	6/23/2009	151.77	115-120	-	37.84	-	113.93
	2/24/2011			-	36.86	-	114.91
	4/27/2015			-	39.28	-	112.49
	4/4/2016			-	39.76	-	112.01
	2/1/2017			-	39.96	-	111.81
	2/11/2019			-	47.31	-	104.46
	12/5/2019			-	35.61	-	116.16
07303-DW11	5/5/2011	147.66	74-79	-	46.10	-	101.56
	4/28/2015			-	46.10	-	101.56
	4/5/2016			-	42.90	-	104.76
	2/2/2017			-	48.83	-	98.83
	2/14/2019			-	44.53	-	103.13
	12/5/2019			-	45.37	-	102.29

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170R

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-RW1	12/8/2014	Unknown	30.1-50.1	-	41.20	-	-
	4/30/2015	151.83		-	41.16	-	110.67
	4/6/2016			-	39.54	-	112.29
	2/3/2017			-	42.98	-	108.85
	2/13/2019			41.73	41.80	**0.07**	110.03
	12/5/2019			37.29	39.79	**2.50**	107.87
07303-RW2	12/8/2014	Unknown	30.1-50.1	-	40.93	-	-
	4/30/2015	152.03		-	40.85	-	111.18
	4/6/2016			-	38.94	-	113.09
	2/3/2017			-	42.64	-	109.39
	2/13/2019			-	39.75	-	112.28
	12/6/2019			-	39.69	-	112.34
07303-RW3	12/8/2014	Unknown	30.2-50.2	-	40.46	-	-
	4/29/2015	151.99		-	40.13	-	111.86
	4/6/2016			-	38.37	-	113.62
	2/3/2017			-	42.05	-	109.94
	2/13/2019			-	39.10	-	112.89
	12/6/2019			-	38.84	-	113.15
07303-RW4	12/8/2014	Unknown	30.1-50.1	-	40.65	-	-
	4/30/2015	151.74		-	39.88	-	111.86
	4/6/2016			-	37.38	-	114.36
	2/3/2017			-	41.90	-	109.84
	2/12/2019			-	38.25	-	113.49
	12/6/2019			-	38.73	-	113.01
07303-RW5	6/28/2016	150.55	30-50	-	35.66	-	114.89
	2/3/2017			38.95	39.03	**0.08**	111.52
	2/13/2019			--	35.50	--	115.05
	12/6/2019			35.68	35.69	**0.01**	114.86

Notes:

-- = No measurable product.

* = Relative to top of casing (TOC).

** = The TOC elevation benchmark was adjusted from 100' to 150' to allow for the newly installed deep wells with water levels greater than 100' below the TOC.

*** = Product thickness visually confirmed. Observed in bailer during purging.

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170R

WELL ID	SAMPLING DATE	PARAMETERS																			
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	**5**	**1,000**	**700**	**10,000**	**25**	**40**	**5**	**0.05**	**0.05**	**128**	**1,400**	**150**	**47**	**N/A**	**10,000**	**240**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
07303-MW3	10/1/2008	**8.51**	<1.00	4.1	7.25	3.51J	**57.3**	<1.00	<0.010	0.014B	--	--	--	--	--	--	--	--	7.85	<5.0	0.595	1.60J
	2/16/2009	2.45	<1.00	<1.00	<3.00	<5.00	**56.4**	<1.00	<0.010	0.0051B	6.94	103	2.67J	<5.00	<10.0	<100	46.3	<5.00	--	--	--	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	2.0	56	46	510	**170**	<1.0	<1.0	<0.020	0.0119	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW5R	10/1/2008	NOT SAMPLED																				
	2/16/2009	<1.00	<1.00	<1.00	<3.00	<5.00	0.994J	<1.00	<0.010	<0.015	<5.00	<10.0	<5.00	<5.00	<10.0	<100	<20.0	<5.00	--	--	--	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	<0.001	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW9	10/1/2008	**2,820**	**4,860**	**1,140**	4,720	**357**	**9,050**	<50.0	**197**	**0.16**	--	--	--	--	--	--	--	--	<0.10	1.4B	0.131	1.72J
	2/16/2009	**3,020**	**4,180**	**1,150**	4,370	**393**	**8,630**	**52.0**	**0.069**	0.014B	**438**	**3,450**	**247J**	<250	<500	<5,000	<1,000	<250	--	--	--	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**2,900**	**2,700**	**880**	3,900	<2,500	**9,900**	<500	<0.020	0.00796	<5,000	<50,000	<5,000	<50,000	<50,000	<50,000	<50,000	<50,000	--	--	--	--
	4/29/2015	**350**	18	330	260	**59**	**810**	<10	0.0068J	--	34J	450	32	<10	<200	<1,000	220	<50	--	--	--	--
	4/6/2016	**100**	21	220	500	**58**	**140**	<5.0	--	--	5.7J	110	5.2	<5.0	<100	<500	73J	<25	--	--	--	--
	2/3/2017	**10**	2.8	33	40	9.7	7.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	**1,100**	130	**860**	570	**270**	**3,100**	**45**	<0.020	--	**150**	**3,100**	140	<10	<200	<1,000	**1,100**	<50	--	--	--	--
	12/6/2019	**950**	82	**1,100**	2,500	**320**	**900**	<20	<0.019	--	75J	**1,700**	48	<20	<400	<2,000	**710**	<100	--	--	--	--
07303-MW9 (DUP)	12/6/2019	**980**	80	**1,100**	2,500	**320**	**1,000**	<20	<0.019	--	77J	**1,700**	50	<20	<400	<2,000	**710**	<100	--	--	--	--
07303-MW10	10/1/2008	**FREE PRODUCT - 0.33 FEET**																				
	2/16/2009	**FREE PRODUCT - 0.10 FEET**																				
	6/22/2009	NOT SAMPLED																				
	2/24/2011*	**3,700**	**12,000**	**1,800**	10,000	<2,500	**4,600**	<500	**4.23**	0.0253	<5,000	<50,000	<5,000	<50,000	<50,000	<50,000	<50,000	<50,000	--	--	--	--
	4/29/2015	**1,200**	**8,700**	**2,100**	**14,000**	**1,200**	**810**	<100	**0.069**	--	46J	**3,100**	<100	<100	<2,000	<10,000	**780J**	<500	--	--	--	--
	4/6/2016	**320**	**1,600**	**1,500**	9,100	**1,000**	**1,600**	<50	--	--	**200J**	**7,400**	74	<50	<1,000	<5,000	**2,600**	<250	--	--	--	--
	2/3/2017	**FREE PRODUCT - 0.14 FEET**																				
	2/13/2019	**FREE PRODUCT - 0.01 FEET**																				
	12/6/2019	**FREE PRODUCT - 0.01 FEET**																				
07303-MW11	2/17/2009	<1.00	<1.00	<1.00	<3.00	<5.00	0.822J	<1.00	<0.010	0.014B	<5.00	<10.0	<5.00	<5.00	<10.0	<100	<20.0	<5.00	1.06	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0130	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	1.4	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	0.95J	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	0.70J	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW12	2/17/2009	<1.00	<1.00	<1.00	<3.00	<5.00	25.3	<1.00	<0.010	0.0043B	<5.00	<10.0	1.22J	<5.00	<10.0	<100	<20.0	<5.00	2.47	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	22	<1.0	<0.020	0.0138	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	3.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	20	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/3/2017	<1.0	<1.0	<1.0	<1.0	<1.0	2.8	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	4.8	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170R

WELL ID	SAMPLING DATE	PARAMETERS																			
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	**5**	**1,000**	**700**	**10,000**	**25**	**40**	**5**	**0.05**	**0.05**	**128**	**1,400**	**150**	**47**	**N/A**	**10,000**	**240**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
07303-MW13	2/17/2009	<1.00	<1.00	<1.00	35.8	10.1	17.4	<1.00	<0.010	<0.015	<5.00	16.7	1.11J	<5.00	<10.0	<100	<20.0	<5.00	4.39	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	**72**	6.9	18	13	<5.0	**180**	<1.0	<0.020	0.00609	<10	960	12	<100	<100	<100	170	<100	--	--	--	--
	4/29/2015	0.71J	<1.0	<1.0	<1.0	<1.0	1.8	<1.0	<0.020	--	<10	28	<1.0	<1.0	<20	<100	4.0J	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	6.2	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/3/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	0.63J	<1.0	<0.019	--	<10	15J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	1.6	2.3	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW14	2/17/2009	<1.00	<1.00	<1.00	<3.00	<5.00	1.55	<1.00	<0.010	0.0037B	<5.00	<10.0	<5.00	<5.00	<10.0	<100	<20.0	<5.00	2.00	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0140	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	1.9	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	0.49J	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW15	2/17/2009	**822**	**1,420**	417	1,550	**143**	**1,320**	<20.0	<0.010	0.0047B	**141**	**2,150**	40.8J	<100	<200	<2,000	<400	<100	<0.010	<5.0	0.4	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	**770**	940	510	2,500	**190**	**1,200**	<1.0	<0.020	0.00774	73	**2,300**	59	<100	<100	<100	**1,600**	<100	--	--	--	--
	4/29/2015	**450**	500	580	2,300	**250**	**260**	**16J**	<0.019	--	32J	830	22	<20	<400	<2,000	**420**	<100	--	--	--	--
	4/5/2016	**71**	6.4	9.1	470	**150**	34	1.7	--	--	3.7J	380	<1.0	<1.0	<20	<100	130	<5.0	--	--	--	--
	2/2/2017	**190**	160	320	1,200	**170**	**150**	<10	--	--	22J	970	<10	<10	<200	<1,000	**480**	<50	--	--	--	--
	2/14/2019	**52**	9.4	21	870	**180**	18	1.4	<0.019	--	2.3J	340	1.2	<1.0	<20	<100	130	<5.0	--	--	--	--
	12/6/2019	**64**	63	270	1,200	**180**	13	2.2J	<0.019	--	2.9J	320	<5.0	<5.0	<100	<500	130	<25	--	--	--	--
07303-MW16	2/17/2009	**183**	85.5	57.2	107	<25.0	**542**	**9.19**	0.019	0.0037B	39.3	114	28.6	<25.0	<50.0	<500	237	<25.0	<0.010	<5.0	2.2	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**60**	4.6	4.8	18	9.0	**200**	<1.0	<0.020	0.00214	<10	<100	13	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	2.6	<1.0	<1.0	<1.0	1.6	**67**	1.3	<0.019	--	3.8J	50	5.0	<1.0	<20	<100	39	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	0.55J	2.0	<1.0	--	--	<10	2.6J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	7.2	<1.0	0.60J	<1.0	<1.0	26	<1.0	--	--	1.5J	34	2.4	<1.0	<20	<100	15J	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	0.70J	<1.0	<1.0	<1.0	2.8	1.5	<1.0	<0.019	--	<10	8.5J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW17	2/16/2009	**106**	15.7	54.6	84.0	<25.0	**463**	4.74J	<0.010	<0.015	38.3	72.8	24.0J	<25.0	<50.0	<500	<100	<25.0	<0.010	<5.0	2.4	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**51**	<1.0	7.4	<3.0	13	**220**	<1.0	<0.020	0.00201	<10	<100	12	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	0.56J	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	0.50J	<1.0	<1.0	<1.0	2.2	1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW18	2/16/2009	**255**	72.7	109	458	<25.0	**689**	**7.48**	0.015	0.0056B	44.0	123	37.9	<25.0	<50.0	<500	143	<25.0	<0.010	<5.0	2.5	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**370**	340	140	1,400	**110**	**930**	<1.0	<0.021	0.00126	35	390	65	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	2.4	<1.0	3.1	1.6	2.3	19	<1.0	<0.020	--	0.96J	41	1.4	<1.0	<20	<100	2.7J	<5.0	--	--	--	--
	4/5/2016	**5.2**	0.59J	6.5	2.7	9.6	**59**	<1.0	--	--	2.8J	160	2.2	<1.0	<20	<100	11J	<5.0	--	--	--	--
	2/3/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	3.4	<1.0	<1.0	0.46J	2.5	13	<1.0	<0.020	--	0.71J	58	<1.0	<1.0	<20	<100	8.4J	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	6.0	<1.0	<0.019	--	0.60J	12J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW19	2/17/2009	**3,110**	**9,000**	**1,330**	5,410	**682**	**12,100**	<100	**6.49**	**0.10**	**804**	**7,480**	**323J**	<500	<1,000	<10,000	<2,000	<500	<0.010	4.5B	2.8	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**FREE PRODUCT - 0.05 FEET**																				
	4/29/2015	**1,800**	**13,000**	**1,900**	**12,000**	**1,700**	**5,600**	**81J**	**14**	--	**480J**	**8,600**	**230**	<100	<2,000	<10,000	**1,500J**	<500	--	--	--	--
	4/6/2016	**FREE PRODUCT - 0.05 FEET**																				
	2/3/2017	**1,500**	**18,000**	**2,100**	**16,000**	**1,200**	**2,200**	<200	--	--	**310J**	**6,700**	<200	<200	<4,000	<20,000	**3,300J**	<1,000	--	--	--	--
	2/13/2019	**FREE PRODUCT - 0.01 FEET**																				
	12/5/2019	**6.2**	210	54	1,100	**110**	1.7	<1.0	**0.44**	--	<10	<20	<1.0	<1.0	<20	<100	25	<5.0	--	--	--	--
07303-MW19 (DUP)	12/5/2019	**6.0**	210	55	1,000	**120**	1.8	<1.0	**0.45**	--	<10	<20	<1.0	<1.0	<20	<100	19J	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170R

WELL ID	SAMPLING DATE	PARAMETERS																			
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	**5**	**1,000**	**700**	**10,000**	**25**	**40**	**5**	**0.05**	**0.05**	**128**	**1,400**	**150**	**47**	**N/A**	**10,000**	**240**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
07303-MW20	2/17/2009	**1,340**	**1,840**	**1,040**	2,670	**602**	**6,230**	<100	**1.61**	**0.053B**	**676**	**16,300**	146J	<500	<1,000	<10,000	**8,450**	<500	<0.010	<5.0	0.6	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**FREE PRODUCT - 0.07 FEET**																				
	4/29/2015	**1,100**	**9,100**	**2,500**	**16,000**	**1,300**	**1,600**	**53J**	**3.3**	--	120J	**9,100**	80J	<200	<4,000	<20,000	**2,900J**	<1,000	--	--	--	--
	4/6/2016	**87**	100	16J	620	**34**	**540**	<20	--	--	55J	**14,000**	16J	<20	<400	<2,000	**4,600**	<100	--	--	--	--
	2/3/2017	**370**	**4,600**	**2,100**	**13,000**	**710**	**250**	<50	--	--	<500	**4,600**	<50	<50	<1,000	<5,000	**1,700**	<250	--	--	--	--
	2/13/2019	**82**	1,000	84	2,300	**60**	**47**	<10	0.083P	--	9.1J	820	<10	<10	<200	<1,000	**250**	<50	--	--	--	--
	12/6/2019	**160**	**1,400**	360	3,600	**280**	**51**	<20	<0.019	--	17J	**1,700**	<20	<20	<400	<2,000	**510**	<100	--	--	--	--
07303-MW21	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0289	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW22	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0152	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	0.64J	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	0.44J	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	0.41J	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW23	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	**46**	4.6	40	<3.0	**73**	**140**	<1.0	<0.020	0.0106	<10	360	<10	<100	<100	<100	120	<100	--	--	--	--
	4/29/2015	OBSTRUCTED																				
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	**140**	4.8	11	2.1	4.4	**73**	3.7	--	--	6.3J	330	<1.0	<1.0	<20	<100	190	<5.0	--	--	--	--
	2/14/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW24	6/22/2009	**233**	195	**1,040**	2,990	**312**	19.5J	<20.0	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2001	**58**	63	460	760	**200**	<1.0	<1.0	<0.020	0.0110	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	**24**	190	**770**	2,900	**320**	<20	<20	<0.019	--	<200	52J	<20	<20	<400	<2,000	200J	<100	--	--	--	--
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	**25J**	**2,500**	**1,900**	**11,000**	**580**	<50	<50	--	--	<500	<1,000	<50	<50	<1,000	<5,000	**1,100**	<250	--	--	--	--
	2/14/2019	<1.0	<1.0	0.48J	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW25	6/22/2009	**299**	65.8	635	1,260	**226**	**103**	<10.0	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	**300**	17	420	560	**190**	**250**	<1.0	<0.020	0.00194	<10	530	<10	<100	<100	<100	**290**	<100	--	--	--	--
	4/28/2015	77	23	180	470	**56**	**100**	2.7J	<0.019	--	3.0J	410	3.0J	<5.0	<100	<500	240	<25	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	**47**	12	170	240	**51**	13	<1.0	--	--	4.0J	35	2.8	<1.0	<20	<100	66	<5.0	--	--	--	--
	2/14/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW26	6/22/2009	**399**	119	335	1,160	**165**	**156**	<10.0	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	**2,300**	63	**1,700**	2,600	**490**	**520**	<1.0	<0.020	0.0298	48	**2,100**	58	<100	<100	<100	**2,300**	<100	--	--	--	--
	4/29/2015	**22**	3.7	53	110	21	31	0.76J	<0.019	--	1.4J	91	<1.0	<1.0	<20	<100	48	<5.0	--	--	--	--
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	**1,100**	120	**2,000**	4,500	**550**	**180**	<50	--	--	78J	430J	69	<50	<1,000	<5,000	**1,200**	<250	--	--	--	--
	2/14/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	1.8	<1.0	0.69J	1.6	2.7	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170R

WELL ID	SAMPLING DATE	PARAMETERS																			
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	0.05	128	1,400	150	47	N/A	10,000	240	N/A	N/A	N/A	N/A	N/A
07303-MW27	6/22/2009	**500**	13.1	261	96.8	**60.9**	**1,060**	<10.0	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	**510**	50	**1,400**	660	**550**	28	<1.0	<0.020	0.0368	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	**250**	37	**880**	1,900	**280**	**98**	<10	<0.019	--	<100	360	<10	<10	<200	<1,000	210	<50	--	--	--	--
	4/6/2016	**230**	71	**1,100**	1,600	**350**	**150**	<5.0	--	--	14J	560	10	<5.0	<100	<500	**260**	<25	--	--	--	--
	2/2/2017	**27**	2.8	85	42	**30**	7.1	<1.0	--	--	1.3J	38	1.1	<1.0	<20	<100	30	<5.0	--	--	--	--
	2/14/2019	**130**	81	**2,100**	6,800	**630**	<50	<50	<0.020	--	<500	<1,000	<50	<50	<1,000	<5,000	<1,000	<250	--	--	--	--
	12/6/2019	**110**	<20	**1,800**	8,100	**730**	**110**	<20	<0.019	--	15J	**1,600**	<20	<20	<400	<2,000	**710**	<100	--	--	--	--
07303-MW28	6/22/2009	<1.00	<1.00	<1.00	<3.00	3.98J	0.749J	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	5.9	**54**	<1.0	<0.020	0.0204	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<1.0	<1.0	0.60J	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW29	6/22/2009	**14.4**	11.3	65.4	302	**29.0**	**44.2**	4.39	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<20	53	120	270	<100	<20	<20	<0.020	0.00640	<200	<2,000	<200	<2,000	<2,000	<2,000	<2,000	<2,000	--	--	--	--
	4/29/2015	**10**	4.5J	52	130	11	19	<5.0	<0.019	--	<50	29J	<5.0	<5.0	<100	<500	46J	<25	--	--	--	--
	4/5/2016	<1.0	<1.0	0.81J	2.1	0.33J	0.67J	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	1.6	0.95J	1.3	0.99J	1.3	9.5	1.2	--	--	0.70J	29	2.4	<1.0	<20	<100	58	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	**17**	18	36	140	**32**	8.0	1.2	<0.019	--	1.1J	37	1.9	<1.0	<20	<100	36	<5.0	--	--	--	--
07303-MW30	6/22/2009	3.06	<1.00	1.25	<3.00	<5.00	31.4	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	2.2	<1.0	<1.0	<3.0	<5.0	6.1	<1.0	<0.020	<0.001	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	1.0	<1.0	<1.0	<1.0	<1.0	5.3	<1.0	<0.020	--	<10	3.2J	<1.0	<1.0	<20	<100	2.0J	<5.0	--	--	--	--
	4/5/2016	0.21J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	0.60J	<1.0	<1.0	<1.0	<1.0	1.5	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	0.45J	<1.0	<1.0	<1.0	<1.0	0.77J	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW31	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.00818	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW32	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.021	0.0119	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW33	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	5.0	8.2	15	<1.0	<1.0	<0.020	0.0317	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW34	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.021	0.0347	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170R

WELL ID	SAMPLING DATE	PARAMETERS																			
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	**5**	**1,000**	**700**	**10,000**	**25**	**40**	**5**	**0.05**	**0.05**	**128**	**1,400**	**150**	**47**	**N/A**	**10,000**	**240**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
07303-MW35	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0236	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW36	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.00409	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW37	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.021	0.0255	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW38	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010													
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0110	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW39	2/25/2011	1.3	<1.0	<1.0	<3.0	<5.0	5.0	<1.0	<0.020	0.0203	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW40	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	**0.0501**	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW41	3/24/2011	**81**	<5.0	<5.0	<5.0	6.0	**94**	<5.0	<0.020	0.0240	<10	250	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW42	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0108	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/14/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW43	3/24/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.021	0.0117	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/5/2016	COULD NOT FIND																				
	2/2/2017	COULD NOT FIND																				
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170R

WELL ID	SAMPLING DATE	PARAMETERS																			
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	**5**	**1,000**	**700**	**10,000**	**25**	**40**	**5**	**0.05**	**0.05**	**128**	**1,400**	**150**	**47**	**N/A**	**10,000**	**240**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
07303-MW44	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<5.0	<0.020	0.0229	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/6/2016	COULD NOT FIND																				
	2/2/2017	COULD NOT FIND																				
	2/14/2019	COULD NOT FIND																				
	12/4/2019	COULD NOT FIND																				
07303-MW45	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	1.3	<5.0	<0.020	0.0314	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/6/2016	COULD NOT FIND																				
	2/2/2017	COULD NOT FIND																				
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW46	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<5.0	<0.020	0.00512	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW47	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<5.0	<0.020	0.00351	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW48	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<5.0	<0.020	**0.144**	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	1.3	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	6.6	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW1	2/17/2009	1.66	1.39	<1.00	<3.00	<5.00	**47.5**	<1.00	<0.010	<0.075	6.66	42.9	2.42J	<5.00	<10.0	<100	<20.0	<5.00	0.507	9.4	0.2	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	2.8	<1.0	<1.0	<3.0	<5.0	**330**	<1.0	<0.020	<0.001	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	1.9	<1.0	<1.0	<1.0	<1.0	**63**	<1.0	<0.019	--	2.4J	29	2.9	<1.0	<20	<100	20	<5.0	--	--	--	--
	4/5/2016	1.6	<1.0	<1.0	<1.0	<1.0	**79**	<1.0	--	--	3.5J	49	3.6	<1.0	<20	<100	30	<5.0	--	--	--	--
	2/2/2017	0.81J	<1.0	<1.0	<1.0	<1.0	27	<1.0	--	--	1.5J	21	1.6	<1.0	<20	<100	23	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	26	<1.0	<0.020	--	1.4J	30	<1.0	<1.0	<20	<100	16J	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	21	<1.0	<0.019	--	1.2J	23	1.3	<1.0	<20	<100	15J	<5.0	--	--	--	--
07303-DW2	2/17/2009	2.81	<1.00	<1.00	<3.00	<5.00	**51.3**	<1.00	<0.010	0.015B	6.77	14.7	2.14J	<5.00	<10.0	<100	<20.0	<5.00	0.594	1.4B	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	<1.0	<1.0	<1.0	<3.0	8.3	26	<1.0	<0.020	0.00129	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	1.6	<1.0	<1.0	0.44J	<1.0	38	0.56J	<0.020	--	1.8J	21	1.8	<1.0	<20	<100	12J	<5.0	--	--	--	--
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	4.6	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/3/2017	2.1	1.6	1.9	2.8	1.1	12	<1.0	--	--	1.1J	11J	<1.0	<1.0	<20	<100	17J	<5.0	--	--	--	--
	2/12/2019	0.54J	<1.0	<1.0	<1.0	<1.0	7.1	<1.0	<0.020	--	<10	8.4J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	0.75J	<1.0	<1.0	<1.0	<1.0	6.3	<1.0	<0.019	--	<10	9.5J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW3	2/17/2009	**6.59**	1.85J	<2.00	<6.00	<10.0	**279**	3.42	<0.010	<0.075	15.8	42.7	14.0	<10.0	<20.0	<200	76.8	<10.0	0.461	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	**5.4**	3.1	<1.0	<3.0	<5.0	**310**	<1.0	<0.020	0.00404	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	3.2	2.9	0.59J	2.9	<1.0	**44**	<1.0	<0.020	--	2.2J	22	2.5	<1.0	<20	<100	14J	<5.0	--	--	--	--
	4/6/2016	1.1	<1.0	<1.0	<1.0	<1.0	17	<1.0	--	--	0.60J	8.8J	<1.0	<1.0	<20	<100	4.4J	<5.0	--	--	--	--
	2/3/2017	1.7	0.77J	<1.0	<1.0	<1.0	17	<1.0	--	--	1.2J	15J	<1.0	<1.0	<20	<100	19J	<5.0	--	--	--	--
	2/13/2019	0.98J	<1.0	<1.0	<1.0	<1.0	4.6	<1.0	<0.020	--	<10	11J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	0.86J	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170R

WELL ID	SAMPLING DATE	PARAMETERS																			
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	**5**	**1,000**	**700**	**10,000**	**25**	**40**	**5**	**0.05**	**0.05**	**128**	**1,400**	**150**	**47**	**N/A**	**10,000**	**240**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
07303-DW5	6/22/2009	1.93	1.22	2.36	1.24J	<5.00	2.42	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	<0.001	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	0.78J	0.57J	<1.0	0.67J	<1.0	0.53J	<1.0	<0.020	--	<10	4.7J	<1.0	<1.0	<20	37J	<20	<5.0	--	--	--	--
	4/5/2016	0.58J	0.38J	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	1.3	<1.0	1.1	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW6	6/23/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.021	0.0142	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	0.28J	0.68J	<1.0	0.37J	<1.0	<1.0	<1.0	<0.019	--	<10	2.6J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	0.83J	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	110	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	94J	<20	<5.0	--	--	--	--
07303-DW7	6/23/2009	<1.00	<1.00	<1.00	<3.00	<5.00	1.60	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	4.7	<1.0	<1.0	<3.0	<5.0	3.2	<1.0	<0.020	0.00318	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	1.7	0.36J	<1.0	<1.0	<1.0	3.5	<1.0	<0.020	--	<10	2.7J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/6/2016	1.1	<1.0	<1.0	<1.0	<1.0	3.9	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/3/2017	0.66J	0.87J	<1.0	<1.0	0.92J	2.9	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	0.50J	<1.0	<1.0	<1.0	<1.0	4.3	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	0.45J	<1.0	<1.0	<1.0	<1.0	4.1	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW9	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	1.20	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	1.6	<1.0	<0.020	0.00422	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	55J	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	52J	<20	<5.0	--	--	--	--
07303-DW10	6/23/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	1.5	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.021	0.00349	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	0.31J	<1.0	<1.0	<1.0	<1.0	0.77J	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	0.81J	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	0.70J	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW11	5/5/2011	**13**	<1.0	<1.0	<3.0	<5.0	**670**	<5.0	<0.020	<0.001	11	1,400	17	<100	<100	<100	**710**	<100	--	--	--	--
	4/28/2015	**8.9**	<1.0	2.2	1.0	<1.0	**250**	2.0	<0.020	--	14	700	15	<1.0	<20	<100	**310**	<5.0	--	--	--	--
	4/5/2016	**44**	<5.0	2.1J	<5.0	2.3J	**230**	<5.0	--	--	10J	820	8.9	<5.0	<100	<500	**340**	<25	--	--	--	--
	2/2/2017	**20**	1.1	1.3	0.86J	1.1	**89**	1.0	--	--	5.8J	360	3.9	<1.0	<20	<100	160	<5.0	--	--	--	--
	2/14/2019	2.0	<1.0	<1.0	<1.0	<1.0	23	<1.0	<0.020	--	2.6J	150	1.3	<1.0	<20	<100	58	<5.0	--	--	--	--
	12/5/2019	3.8	<1.0	<1.0	<1.0	0.48J	37	<1.0	<0.019	--	5.3J	140	2.8	<1.0	<20	<100	40	<5.0	--	--	--	--
07303-RW1	4/30/2015	**870**	**6,500**	**1,400**	7,100	**480**	**970**	**30J**	0.0063J	--	63J	**3,500**	39J	<50	<1,000	<5,000	**1,200**	<250	--	--	--	--
	4/6/2016	**1,100**	**8,700**	**1,700**	**14,000**	**1,100**	**1,900**	<100	--	--	**200J**	<2,000	71J	<100	<2,000	<10,000	<2,000	<500	--	--	--	--
	2/3/2017	**1,000**	**11,000**	**2,000**	**12,000**	**640**	**560**	<100	--	--	88J	**3,000**	<100	<100	<2,000	<10,000	**810J**	<500	--	--	--	--
	2/13/2019	**FREE PRODUCT - 0.07 FEET**																				
	12/5/2019	**FREE PRODUCT - 2.50 FEET**																				
07303-RW2	4/30/2015	**1,400**	**10,000**	**2,500**	**11,000**	**730**	**1,600**	**45J**	**0.26**	--	84J	**6,800**	68	<50	<1,000	<5,000	**2,500**	<250	--	--	--	--
	4/6/2016	**1,300**	**12,000**	**2,400**	**15,000**	**780**	**1,300**	<100	--	--	**130J**	**13,000**	<100	<100	<2,000	<10,000	**5,200**	<500	--	--	--	--
	2/3/2017	**350**	**3,400**	**1,500**	8,400	**520**	**260**	<20	--	--	<200	**2,800**	<20	<20	<400	<2,000	**710**	<100	--	--	--	--
	2/13/2019	**320**	**1,500**	**860**	8,500	**910**	**380**	<100	**13**	--	74J	**16,000**	<100	<100	<2,000	<10,000	**4,500**	<500	--	--	--	--
	12/6/2019	**890**	**2,100**	**2,300**	**11,000**	**840**	**170**	<100	0.031P	--	60J	**2,700**	<100	<100	<2,000	<10,000	**1,000J**	<500	--	--	--	--
07303-RW3	4/29/2015	**730**	**1,200**	**2,000**	7,500	**690**	**550**	**24J**	**4.6**	--	45J	**6,600**	26J	<50	<1,000	<5,000	**2,900**	<250	--	--	--	--
	4/6/2016	**540**	**3,900**	680	7,400	**680**	**4,500**	<50	--	--	**440J**	**48,000**	110	<50	<1,000	<5,000	**11,000**	<250	--	--	--	--
	2/3/2017	**99**	530	**1,400**	4,700	**640**	**43**	<20	--	--	<200	810	<20	<20	<400	<2,000	**340J**	<100	--	--	--	--
	2/13/2019	**540**	320	**1,200**	7,400	**570**	**250**	<10	**2.6**	--	43J	**4,300**	19	<10	<200	<1,000	**1,800**	<50	--	--	--	--
	12/6/2019	**370**	**2,600**	**1,400**	**11,000**	**950**	**110**	<100	**4.2**	--	42J	**2,800**	<100	<100	<2,000	<10,000	**1,100J**	<500	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170R

WELL ID	SAMPLING DATE	PARAMETERS																			
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	**5**	**1,000**	**700**	**10,000**	**25**	**40**	**5**	**0.05**	**0.05**	**128**	**1,400**	**150**	**47**	**N/A**	**10,000**	**240**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
07303-RW4	4/30/2015	**9.0**	8.0	0.95J	16	0.96J	**200**	1.9	**0.36**	--	16	490	9.3	<1.0	<20	<100	180	<5.0	--	--	--	--
	4/6/2016	4.4	0.59J	0.54J	0.96J	<1.0	38	<1.0	--	--	2.2J	35	3.4	<1.0	<20	<100	20	<5.0	--	--	--	--
	2/3/2017	1.4	<1.0	<1.0	<1.0	<1.0	20	<1.0	--	--	1.0J	22	1.6	<1.0	<20	<100	14J	<5.0	--	--	--	--
	2/12/2019	**17**	1.6	19	8.8	<1.0	17	1.1	<0.019	--	0.72J	48	1.5	<1.0	<20	<100	38	<5.0	--	--	--	--
	12/6/2019	**16**	0.76J	20	1.6	<1.0	4.1	<1.0	<0.020	--	0.95J	<20	1.6	<1.0	<20	<100	8.2J	<5.0	--	--	--	--
07303-RW4 (DUP)	12/6/2019	**16**	0.68J	20	1.6	<1.0	4.2	<1.0	<0.019	--	1.1J	<20	1.6	<1.0	<20	<100	8.7J	<5.0	--	--	--	--
07303-RW5	2/3/2017	**FREE PRODUCT - 0.08 FEET**																				
	2/13/2019	**280**	**11,000**	**2,700**	**21,000**	**740**	**860**	<100	**21**	--	**170J**	**4,900**	<100	<100	<2,000	<10,000	<2,000	<500	--	--	--	--
	12/6/2019	**FREE PRODUCT - 0.01 FEET**																				
07303-SW1	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	4.7	<1.0	<0.020	--	<10	11J	<1.0	<1.0	<20	<100	4.4J	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	5.4	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	3.5J	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	6.8	<1.0	--	--	<10	9.7J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	5.4	<1.0	<0.019	--	<10	16J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-SW2	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	4.2	<1.0	<0.019	--	<10	7.6J	<1.0	<1.0	<20	<100	3.4J	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	5.2	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	3.2J	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	1.9	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-FB1	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-FB2	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-FB3	12/6/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-TB	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-TB2	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

NOTES:

-- = Parameter was not tested
RBSL = Risk Based Screening Levels
ug/L= micrograms per liter
mg/L= milligrams per liter
J = Indicates an estimated value
P = The RPD between two GC columns exceeds 40%
B = (ORGANICS) Indicates the analyte was detected in the associated method blank
B = (INORGANICS) Indicates the result is between the RDL and the MDL
Bold Lettering indicates parameter exceeds SCDHEC RBSLs except for 1,2 DCA which is based on EPA limits
* = Sample was collected beneath free product (0.02' thickness) per SCDHEC request

MTBE = Methyl tertiary butyl ether
1,2 DCA = 1,2 Dichloroethane
EDB = 1,2-Dibromoethane
TAME = tert-Amyl methyl ether or t-amyl methyl ether
TBA = tert-Butyl Alcohol or t-Butanol
DIPE = Isopropyl ether or diisopropyl Ether
ETBE = Ethyl tert-butyl ether

ETBA = 3,3-Dimethyl-1-butanol or ethyl tert-butanol
TAA = tert-Amyl alcohol
TBF = tert-butyl formate
DUP = Duplicate
FB = Field Blank
TB = Trip Blank

J. FIGURES

1. Topographic Map

Figure 1 Topographic Map - Attached

2. Site Base Map

Figure 2 Site Base Map - Attached

3. CoC Site Maps

Figure 3 Soil CoC Map - Not Applicable

Figure 4A Groundwater CoC Map - Attached

Figure 4B Groundwater CoC Map (Oxygenates) - Attached

4. Site Potentiometric Maps

Figure 5A Site Potentiometric Map (Shallow) - Attached

Figure 5B Site Potentiometric Map (Deep) - Attached

5. Geologic Cross Sections

Figure 6 Geologic Cross Sections - Not Applicable

6. Predicted Migration and Attenuation of CoCs

Figure 7 Predicted Migration and Attenuation of CoCs - Not Applicable

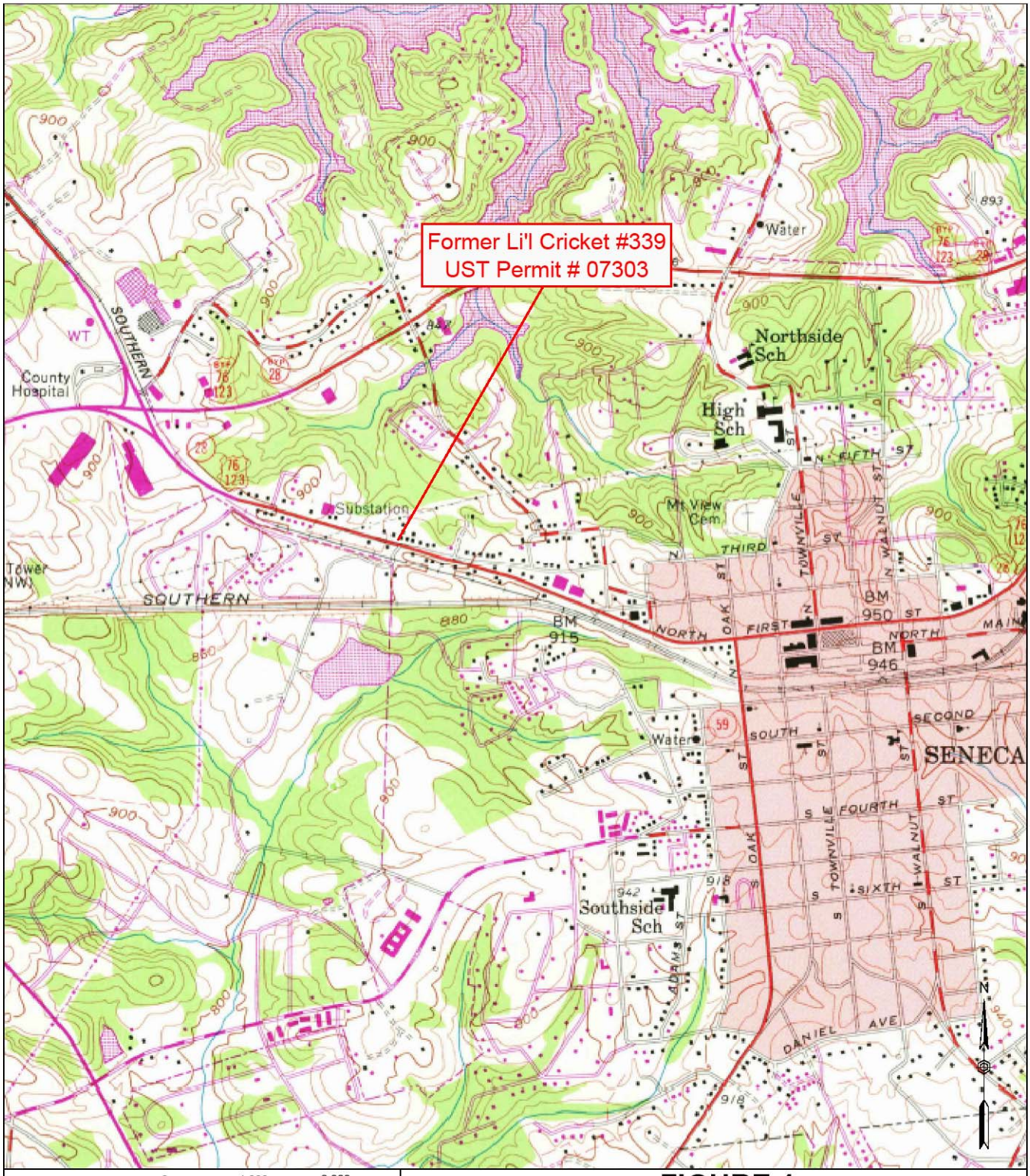

FIGURE 1
TOPOGRAPHIC MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, South Carolina

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... providing our clients with the best services available, actually understanding our clients objectives, and making their obectives our own!

PO Box 25
Summerville, South Carolina 29484
(800) 325-0605 (843)-873-8200 fax: (843)-873-8765

SIZE	TERRY Project No.	DWG NO.	REV
B	2170R	Figure 1 Topo Map	

SCALE: As Shown

DATE: December 2019

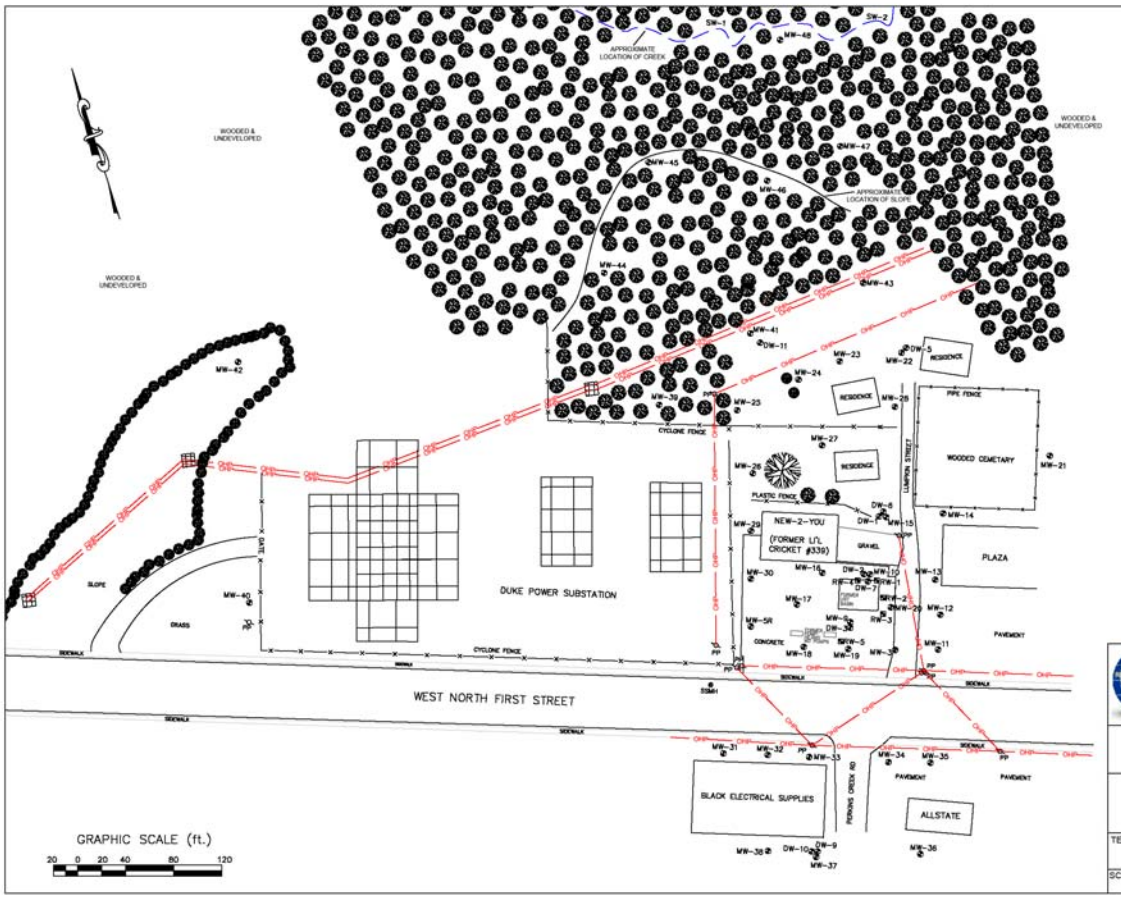

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FIGURE 2
SITE BASE MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170R	07303
SCALE 1" = 80'	DATE December 2019

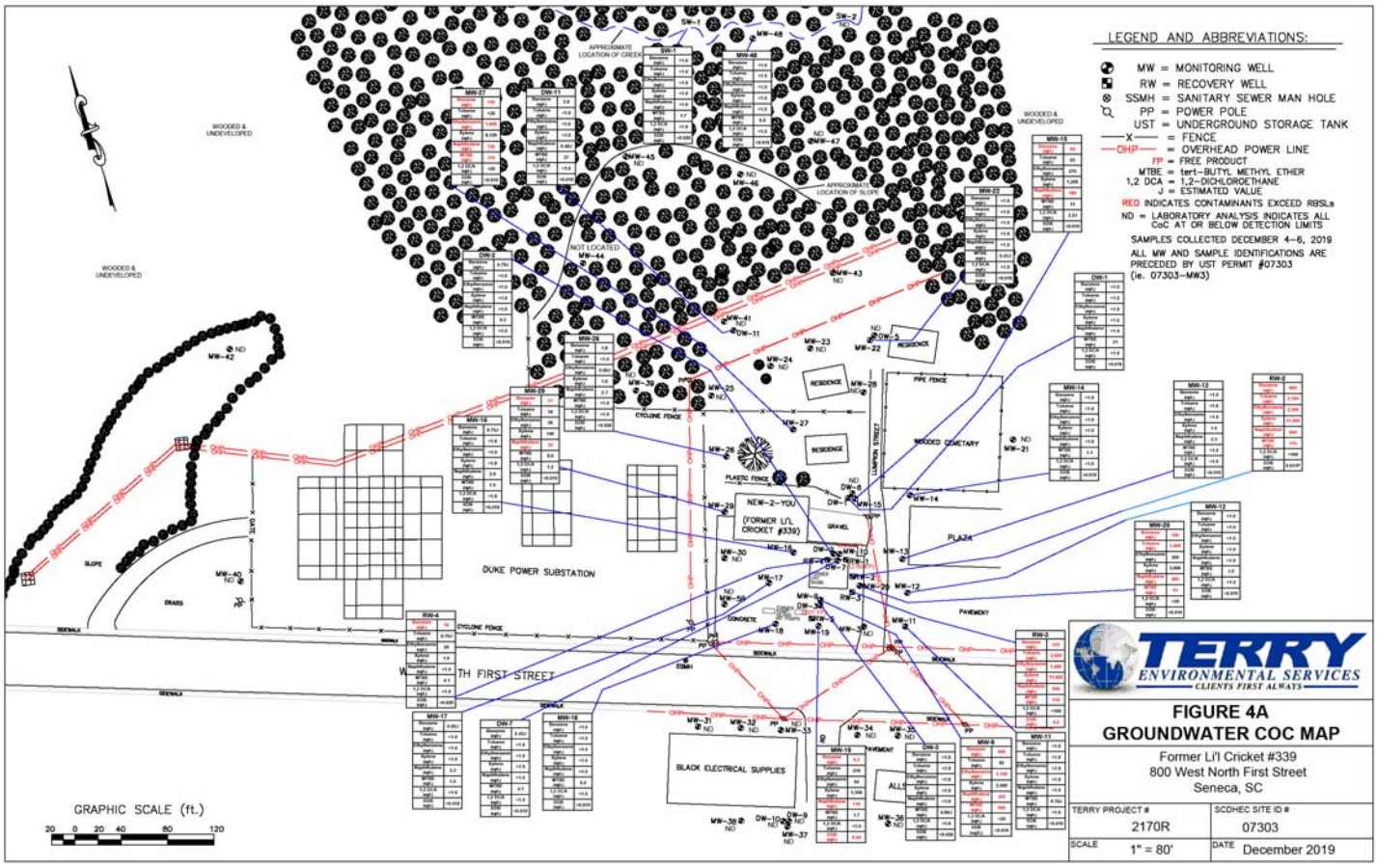

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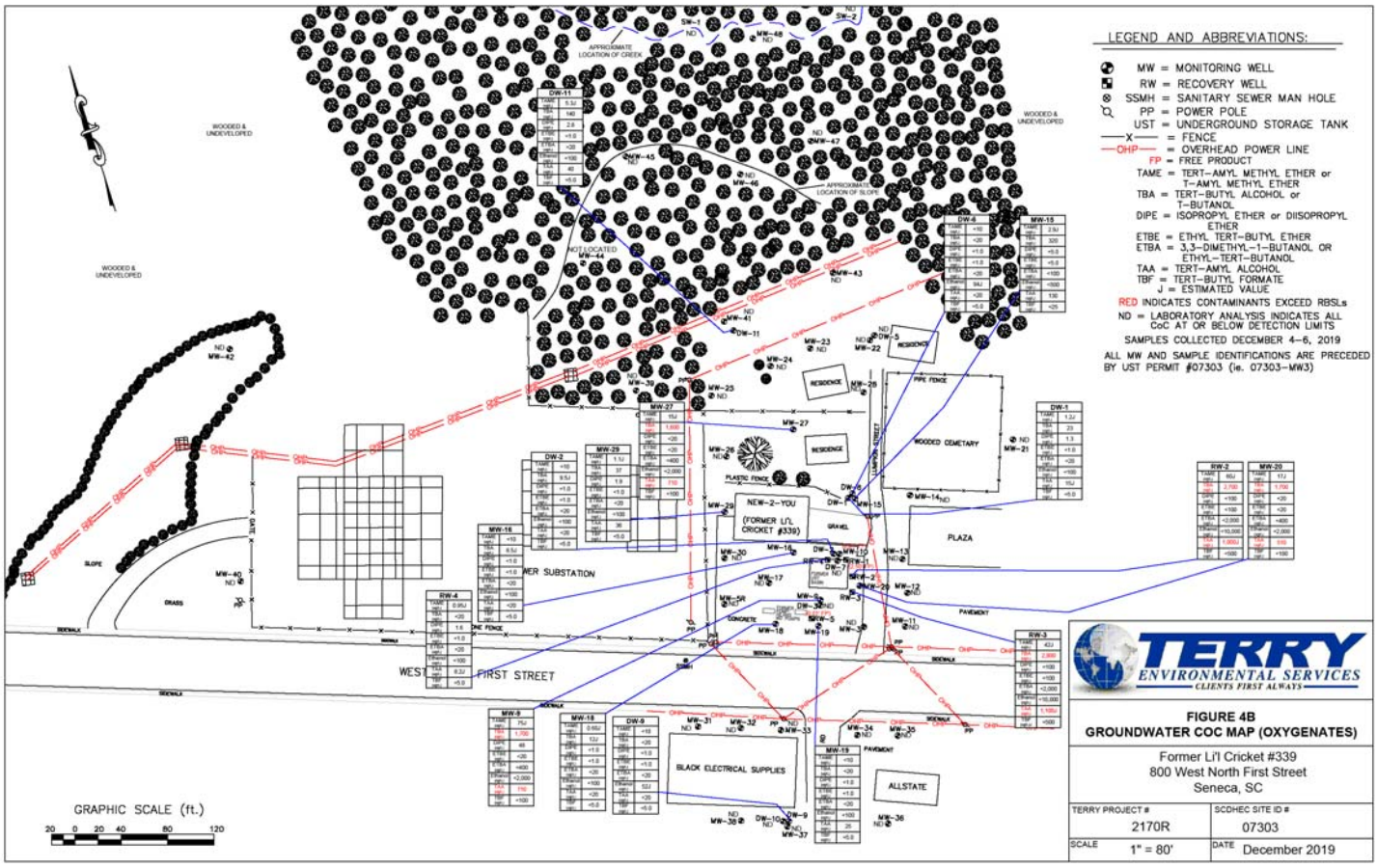
FIGURE 4A
GROUNDWATER COC MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170R	07303
SCALE 1" = 80'	DATE December 2019



TERRY ENVIRONMENTAL SERVICES
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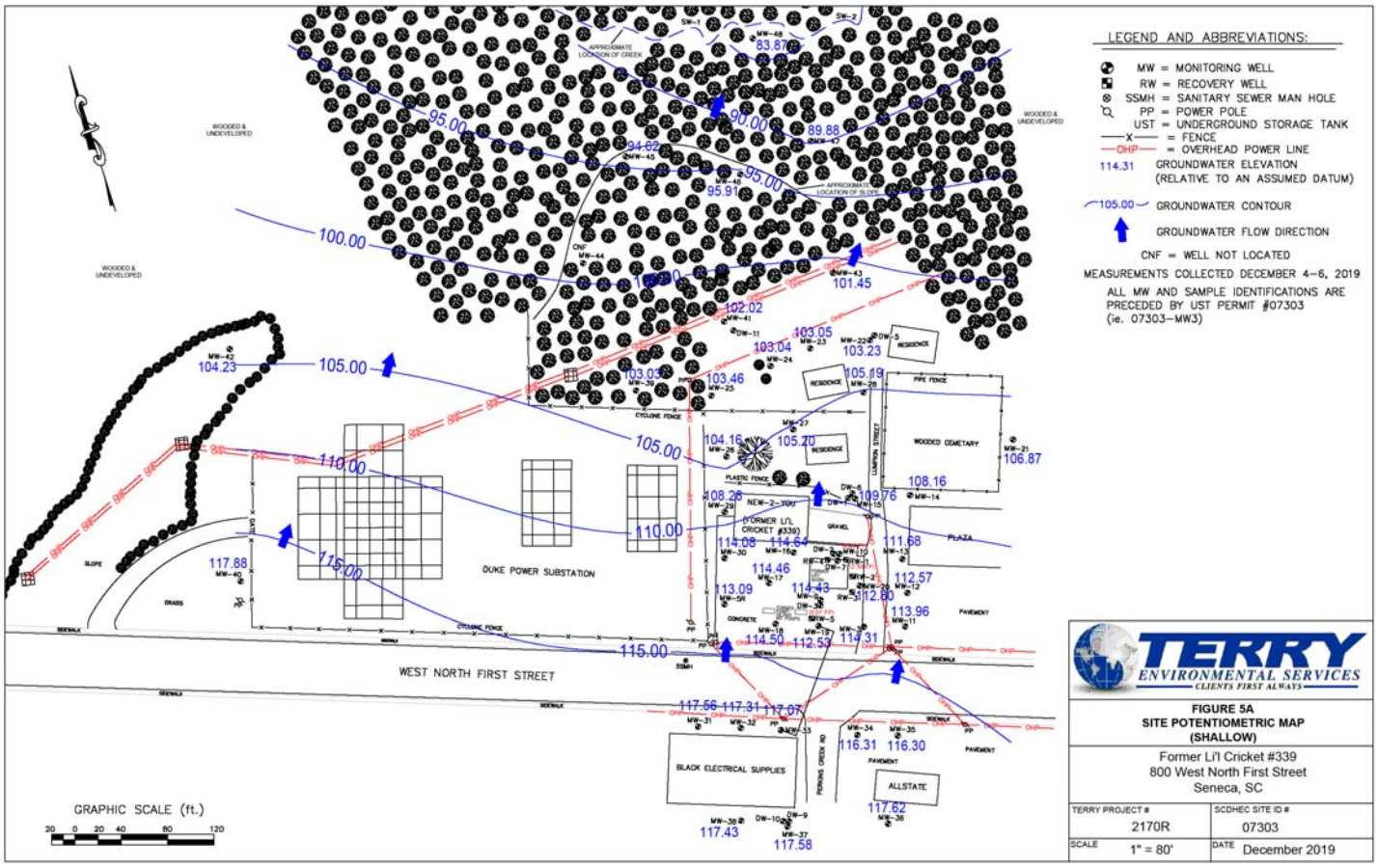
FIGURE 4B
GROUNDWATER COC MAP (OXYGENATES)

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170R	07303
SCALE 1" = 80'	DATE December 2019



TERRY ENVIRONMENTAL SERVICES
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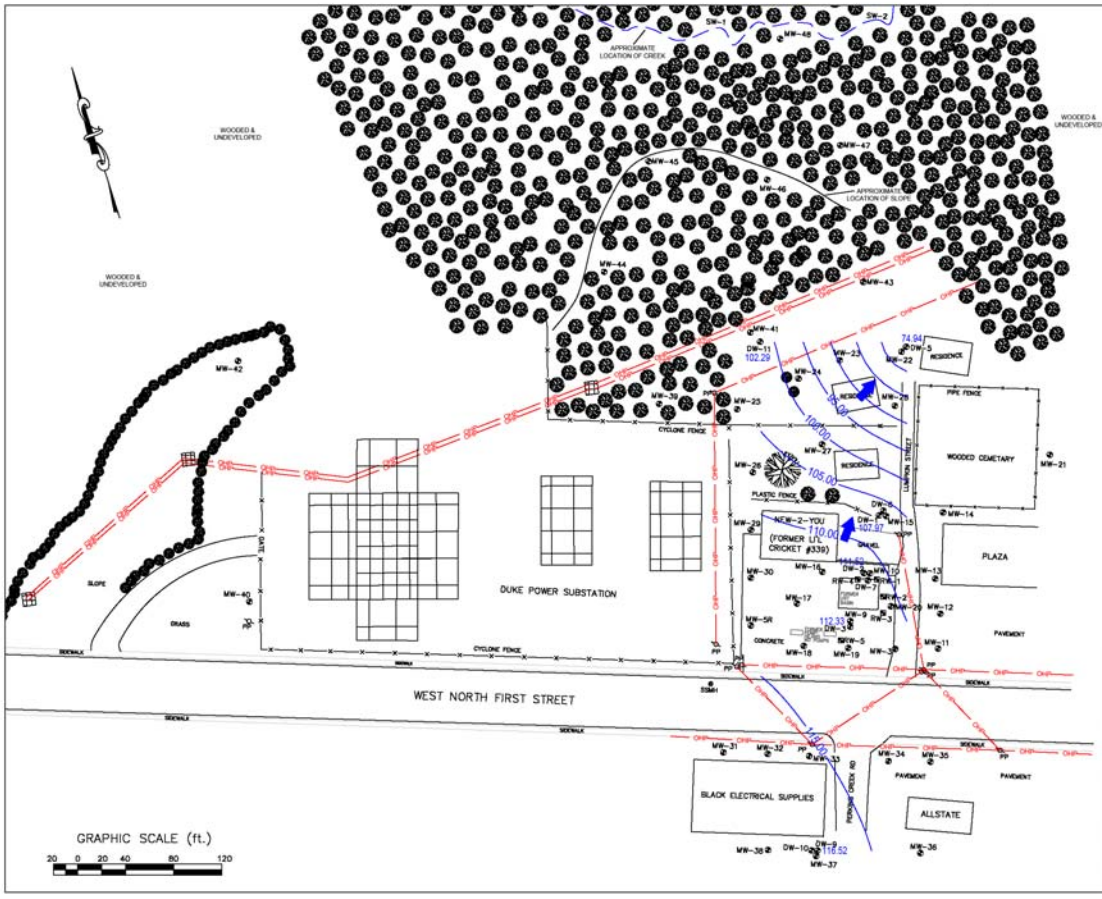
FIGURE 5A
SITE POTENTIOMETRIC MAP
(SHALLOW)

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170R	07303
SCALE 1" = 80'	DATE December 2019



LEGEND AND ABBREVIATIONS:

- MW = MONITORING WELL
- RW = RECOVERY WELL
- SSMH = SANITARY SEWER MAN HOLE
- PP = POWER POLE
- UST = UNDERGROUND STORAGE TANK
- X = FENCE
- OHP = OVERHEAD POWER LINE
- 107.97 GROUNDWATER ELEVATION (RELATIVE TO AN ASSUMED DATUM)
- 110.00 GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION
- CNF = WELL NOT LOCATED

MEASUREMENTS COLLECTED DECEMBER 4 & 5, 2019

ALL MW AND SAMPLE IDENTIFICATIONS ARE PRECEDED BY UST PERMIT #07303 (ie. 07303-MW3)

TERRY ENVIRONMENTAL SERVICES
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FIGURE 5B
SITE POTENTIOMETRIC MAP
(DEEP)

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170R	07303
SCALE 1" = 80'	DATE December 2019

K. APPENDICES

1. Appendix A: Site Survey

Not Applicable

2. Appendix B: Sampling Logs and Laboratory Data

3. Appendix C: Tax Map

Not Applicable

4. Appendix D: Soil Boring/Field Screening Logs

Not Applicable

5. Appendix E: Well Completion Logs/SCDHEC 1903 Forms

Not Applicable

6. Appendix F: Aquifer Evaluation Forms

Not Applicable

7. Appendix G: Disposal Manifest

8. Appendix H: Local Zoning Regulations

Not Applicable

9. Appendix I: Fate and Transport Modeling Data

Not Applicable

10. Appendix J: Access Agreements

Not Applicable

11. Appendix K: Data Verification Checklist

APPENDIX A

Site Survey
(Not Applicable)

APPENDIX B

Sampling Logs and Laboratory Data

Groundwater Sampling Log

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1-800-325-0605

Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 5 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - MW-3
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	37-55	ft
Total Well Depth (nearest 0.1')	52.5	ft
Depth to Groundwater (nearest 0.01')	37.84	ft
Length of Water Column	14.66	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

52.5

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

Meter	Horiba U-52-2	or Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	
Last Calibration (time)	0745	Last Verification (time)	1145	

Volume (gal)	TNT										
Time (military)	1344										
pH (su)	5.81										
Spec Conductivity (mS/cm)	0.105										
Water Temperature (°C)	19.2										
Turbidity (NTU)	31.7										
Dissolved Oxygen (mg/L)	3.01										

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? Full of Sediment
-well pad acceptable? _____
-area safe? _____
-other comments _____

Additional Comments

Groundwater Sampling Log

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P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 5 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - MW-5R
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	50 - 60	ft	
Total Well Depth (nearest 0.1')	59.5	ft	
Depth to Groundwater (nearest 0.01')	36.92	ft	
Length of Water Column	22.58	ft	
1 Casing Volume (0.163)	3.68	ft	
3 Casing Volumes (0.489)	11.04	gals	
Total Volume Purged	10.25	gals	

Purge Technique Utilized (bailer, pump)

Well Yield — Low ☒ Medium ☐ High ☐

59.5

Quality Assurance

Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0745		Last Verification (time)	1145	

Volume (gal)	IM	3.~~05~~	7.5	11.25	15			10.0	10.25	
Time (military)	1406	1417	1439			Dry @	10 gal	1452	1459	
pH (su)	6.73	6.87	9.42					9.33	9.04	
Spec Conductivity (mS/cm)	0.119	1.28	1.39					1.40	1.25	
Water Temperature (°C)	18.1	18.3	19.6					19.4	20.5	
Turbidity (NTU)	10.4	444	498					496	499	
Dissolved Oxygen (mg/L)	2.19	3.70	2.17					4.42	5.81	

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 6 /2019
Field Personnel	CM TT
General Weather	Cloudy
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0745		Last Verification (time)	

Monitoring Well Information

Well ID	07303 - MW-9	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	45-55	ft
Total Well Depth (nearest 0.1')	54.8	ft
Depth to Groundwater (nearest 0.01')	36.42	ft
Length of Water Column	18.38	ft
1 Casing Volume (0.163)	2.99	ft
3 Casing Volumes (0.489)	8.98	gals
Total Volume Purged	3.75	gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☒ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

54.8

Volume (gal)	INT	3	6	9			3.5	3.75		
Time (military)	0906	0912					0921	0931		
pH (su)	6.44	6.63			Dry @ 3.5gal		6.54	6.73		
Spec Conductivity (mS/cm)	0.541	0.607					0.595	0.617		
Water Temperature (°C)	16.4	17.2					16.5	15.5		
Turbidity (NTU)	131	150					314	235		
Dissolved Oxygen (mg/L)	2.89	1.85					3.19	2.41		

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? Full of water, Full of water
-well pad acceptable? _____
-area safe? _____
-other comments _____

Additional Comments

Very strong Smell
Sheen Present
Dup taken @ 0933

Groundwater Sampling Log

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1-800-325-0605

Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 6 /2019
Field Personnel	CM TT
General Weather	Cloudy
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)			Last Verification (time)	

Monitoring Well Information

Well ID	07303 - MW-10
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	~~45-55~~ 42-52	ft
Total Well Depth (nearest 0.1')	52.0	ft
Depth to Groundwater (nearest 0.01')	40.20	ft
Length of Water Column	11.8	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield Low ☐ Medium ☐ High ☐		

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

52.0

Volume (gal)										
Time (military)										
pH (su)										
Spec Conductivity (mS/cm)										
Water Temperature (°C)										
Turbidity (NTU)										
Dissolved Oxygen (mg/L)										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

0.01ft Product in well, no sample taken

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12/5/2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°

Monitoring Well Information

Well ID	07303 - MW-11
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	40-50	ft
Total Well Depth (nearest 0.1')	50.0	ft
Depth to Groundwater (nearest 0.01')	39.55	ft
Length of Water Column	10.45	ft
1 Casing Volume (0.163)	1.70	ft
3 Casing Volumes (0.489)	5.11	gals
Total Volume Purged	8.75	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

50.0

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	Purge Technique Utilized (bailer, pump)
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Well Yield Low ☐ Medium ☐ High ☒
Last Calibration (time)	0745		Last Verification (time)	1145	

Volume (gal)	FNT	1.75	3.50	5.25	7.00	8.75				
Time (military)	1128	1136	1140	1142	1146	1156				
pH (su)	5.61	4.50	5.20	5.31	5.35	5.39				
Spec Conductivity (mS/cm)	0.074	0.213	0.105	0.089	0.085	0.080				
Water Temperature (°C)	19.1	19.5	19.6	19.6	19.7	20.4				
Turbidity (NTU)	50.0	32.8	20.9	59.3	64.2	31.6				
Dissolved Oxygen (mg/L)	5.83	7.50	7.41	7.17	7.92	6.74				

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

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1-800-325-0605

Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 5 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50's

Quality Assurance

Meter	Horiba U-52-2		*Meter*	Horiba U-52-2	
Serial Number	VPTPGA3X	*or*	*Serial Number*	V3KNWUE9	
Calibration Constant	4.00 su		*Calibration Constant*	4.00 su	
Calibration Constant	4.49 mS/cm		*Calibration Constant*	4.49 mS/cm	
Calibration Constant	0.0 NTU		*Calibration Constant*	0.0 NTU	
Last Calibration (time)	0745		*Last Verification (time)*	1545	

Monitoring Well Information

Well ID	07303 - MW-12		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-50	ft	
Total Well Depth (nearest 0.1')	50.0	ft	
Depth to Groundwater (nearest 0.01')	41.83	ft	
Length of Water Column	8.17	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			50.0
Well Yield	*Low* ☐ *Medium* ☐ *High* ☐		

Volume (gal)	Int										
Time (military)	1635										
pH (su)	5.08										
Spec Conductivity (mS/cm)	0.093										
Water Temperature (°C)	19.8										
Turbidity (NTU)	0.0										
Dissolved Oxygen (mg/L)	4.17										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 5 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - MW-13
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-50	ft	
Total Well Depth (nearest 0.1')	50.0	ft	
Depth to Groundwater (nearest 0.01')	41.86	ft	
Length of Water Column	8.14	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			50.0
Well Yield	Low ☐ Medium ☐ High ☐		

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0745		Last Verification (time)	1545	

Volume (gal)	INT										
Time (military)	1615										
pH (su)	5.24										
Spec Conductivity (mS/cm)	0.111										
Water Temperature (°C)	19.8										
Turbidity (NTU)	23.6										
Dissolved Oxygen (mg/L)	3.36										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 4 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	1120		Last Verification (time)	1520

Monitoring Well Information

Well ID	07303 - MW-14	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	45-55	ft
Total Well Depth (nearest 0.1')	54.8	ft
Depth to Groundwater (nearest 0.01')	46.16	ft
Length of Water Column	8.64	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

54.8

Volume (gal)	INT										
Time (military)	1619										
pH (su)	4.51										
Spec Conductivity (mS/cm)	0.073										
Water Temperature (°C)	17.6										
Turbidity (NTU)	65.4										
Dissolved Oxygen (mg/L)	5.23										

Well Condition Information

-overall condition acceptable? YES
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 6 /2019
Field Personnel	CM JT
General Weather	Cloudy
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2	or	Meter	Horiba U-52-2
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0745		Last Verification (time)	

Monitoring Well Information

Well ID	07303 - MW-15
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	40-50	ft
Total Well Depth (nearest 0.1')	50.0	ft
Depth to Groundwater (nearest 0.01')	42.91	ft
Length of Water Column	7.09	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump) 50.0

Well Yield Low ☐ Medium ☐ High ☐

Volume (gal)	INT										
Time (military)	0751										
pH (su)	5.29										
Spec Conductivity (mS/cm)	0.279										
Water Temperature (°C)	15.4										
Turbidity (NTU)	29.5										
Dissolved Oxygen (mg/L)	2.91										

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? Full of water
-well pad acceptable? _____
-area safe? _____
-other comments _____

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 5 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - MW-16
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-55	ft	
Total Well Depth (nearest 0.1')	55.0	ft	
Depth to Groundwater (nearest 0.01')	36.69	ft	
Length of Water Column	18.31	ft	
1 Casing Volume (0.163)	2.98	ft	
3 Casing Volumes (0.489)	8.95	gals	
Total Volume Purged	12	gals	
Purge Technique Utilized (bailer, pump)			55.0
Well Yield	Low ☐	Medium ☐	High ☒

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0745		Last Verification (time)	1545	

Volume (gal)	INT	3	6	9	12					
Time (military)	1627	1631	1633	1636	1638					
pH (su)	5.67	5.81	5.63	5.54	5.54					
Spec Conductivity (mS/cm)	0.135	0.137	0.132	0.131	0.128					
Water Temperature (°C)	20.1	19.9	19.6	19.5	19.5					
Turbidity (NTU)	26.2	309	35.3	32.3	33.0					
Dissolved Oxygen (mg/L)	2.75	2.82	2.37	2.45	2.42					

Well Condition Information

-overall condition acceptable?	
-well cap acceptable?	
-manhole and cover acceptable?	Filled w/ water
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12/5/2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - MW-17
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	40-55	ft
Total Well Depth (nearest 0.1')	55.0	ft
Depth to Groundwater (nearest 0.01')	36.32	ft
Length of Water Column	18.68	ft
1 Casing Volume (0.163)	3.05	ft
3 Casing Volumes (0.489)	9.14	gals
Total Volume Purged	16.25	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

55.0

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☒

Quality Assurance

Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0745		Last Verification (time)	1545	

Volume (gal)	TNT	3.25	6.50	9.75	13.0	16.25			
Time (military)	1732	1734	1735	1737	1739	1743			
pH (su)	5.66	5.58	5.50	5.58	5.80	5.69			
Spec Conductivity (mS/cm)	0.149	0.142	0.136	0.133	0.130	0.131			
Water Temperature (°C)	18.2	18.5	18.8	18.9	19.0	18.9			
Turbidity (NTU)	321	61.8	55.9	15.2	12.9	9.4			
Dissolved Oxygen (mg/L)	4.71	4.04	3.44	2.78	3.74	2.50			

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 5 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - MW-18
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	35-50	ft	
Total Well Depth (nearest 0.1')	49.9	ft	
Depth to Groundwater (nearest 0.01')	35.81	ft	
Length of Water Column	14.09	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			49.9
Well Yield	Low ☐	Medium ☐	High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0745		Last Verification (time)	1145	

Volume (gal)	Int									
Time (military)	1530									
pH (su)	6.02									
Spec Conductivity (mS/cm)	0.302									
Water Temperature (°C)	20.0									
Turbidity (NTU)	16.9									
Dissolved Oxygen (mg/L)	3.87									

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? No Bolts
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 5 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0745		Last Verification (time)	0845	

Monitoring Well Information

Well ID	07303 - MW-19		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	38.53	ft	
Total Well Depth (nearest 0.1')	53.2	ft	
Depth to Groundwater (nearest 0.01')	38.25	ft	
Length of Water Column	14.95	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			53.2
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	Int										
Time (military)	1740										
pH (su)	5.68										
Spec Conductivity (mS/cm)	0.089										
Water Temperature (°C)	19.1										
Turbidity (NTU)	22.9										
Dissolved Oxygen (mg/L)	1.88										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

1742: Duplicate

Full of water

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 6 /2019
Field Personnel	CM TT
General Weather	Cloudy
Ambient Air Temperature	50's F

Quality Assurance

Meter	Horiba U-52-2		*Meter*	Horiba U-52-2
Serial Number	VPTPGA3X	*or*	*Serial Number*	V3KNWUE9
Calibration Constant	4.00 su		*Calibration Constant*	4.00 su
Calibration Constant	4.49 mS/cm		*Calibration Constant*	4.49 mS/cm
Calibration Constant	0.0 NTU		*Calibration Constant*	0.0 NTU
Last Calibration (time)	0745		*Last Verification (time)*	

Monitoring Well Information

Well ID	07303 - MW-20		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	35-50	ft	
Total Well Depth (nearest 0.1')	49.9	ft	
Depth to Groundwater (nearest 0.01')	39.28	ft	
Length of Water Column	10.62	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			49.9
Well Yield	*Low* ☐ *Medium* ☐ *High* ☐		

Volume (gal)	ENT										
Time (military)	0820										
pH (su)	5.85										
Spec Conductivity (mS/cm)	0.298										
Water Temperature (°C)	16.7										
Turbidity (NTU)	55										
Dissolved Oxygen (mg/L)	1.78										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 4 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	1120		Last Verification (time)	1520

Monitoring Well Information

Well ID	07303 - MW-21	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	40-55	ft
Total Well Depth (nearest 0.1')	55.0	ft
Depth to Groundwater (nearest 0.01')	47.68	ft
Length of Water Column	7.32	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield Low ☐ Medium ☐ High ☐		

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

55.0

Volume (gal)	INT										
Time (military)	1608										
pH (su)	4.79										
Spec Conductivity (mS/cm)	0.049										
Water Temperature (°C)	17.8										
Turbidity (NTU)	80.1										
Dissolved Oxygen (mg/L)	0.58										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 5 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0745		Last Verification (time)		

Monitoring Well Information

Well ID	07303 - MW-22		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-55	ft	
Total Well Depth (nearest 0.1')	54.9	ft	
Depth to Groundwater (nearest 0.01')	46.62	ft	
Length of Water Column	8.28	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			54.9
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	Ins										
Time (military)	1055										
pH (su)	6.65										
Spec Conductivity (mS/cm)	0.115										
Water Temperature (°C)	17.3										
Turbidity (NTU)	49.7										
Dissolved Oxygen (mg/L)	4.39										

Well Condition Information

-overall condition acceptable?	Yes.
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 4 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or Serial Number	V3KNWUE9	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	
Last Calibration (time)	1120	Last Verification (time)		

Monitoring Well Information

Well ID	07303 - MW-23	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	40-55	ft
Total Well Depth (nearest 0.1')	55.0	ft
Depth to Groundwater (nearest 0.01')	47.00	ft
Length of Water Column	8.00	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

55.0

Volume (gal)	INT										
Time (military)	1513										
pH (su)	6.83										
Spec Conductivity (mS/cm)	0.1659										
Water Temperature (°C)	18.4										
Turbidity (NTU)	23.3										
Dissolved Oxygen (mg/L)	5.34										

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? Full of water
-well pad acceptable? _____
-area safe? _____
-other comments _____

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 5 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0745		Last Verification (time)		

Monitoring Well Information

Well ID	07303 - MW-24		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-55	ft	
Total Well Depth (nearest 0.1')	54.9	ft	
Depth to Groundwater (nearest 0.01')	46.98	ft	
Length of Water Column	7.92	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			54.9
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	Int										
Time (military)	1111										
pH (su)	6.30										
Spec Conductivity (mS/cm)	0.088										
Water Temperature (°C)	18.8										
Turbidity (NTU)	59.0										
Dissolved Oxygen (mg/L)	2.69										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 4 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	1120		Last Verification (time)	1520	

Monitoring Well Information

Well ID	07303 - MW-25		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	39 - 54	ft	
Total Well Depth (nearest 0.1')	53.5	ft	
Depth to Groundwater (nearest 0.01')	44.68	ft	
Length of Water Column	8.82	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			53.5
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	INT										
Time (military)	1542										
pH (su)	5.60										
Spec Conductivity (mS/cm)	0.096										
Water Temperature (°C)	18.1										
Turbidity (NTU)	70.6										
Dissolved Oxygen (mg/L)	6.92										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 5 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - MW-26
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	37-52	ft
Total Well Depth (nearest 0.1')	51.3	ft
Depth to Groundwater (nearest 0.01')	42.49	ft
Length of Water Column	8.81	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

51.3

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0745		Last Verification (time)		

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Volume (gal)	INT										
Time (military)	1010										
pH (su)	7.13										
Spec Conductivity (mS/cm)	0.231										
Water Temperature (°C)	16.9										
Turbidity (NTU)	52.7										
Dissolved Oxygen (mg/L)	2.61										

Well Condition Information

-overall condition acceptable? Yes
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 6 /2019
Field Personnel	CM TT
General Weather	~~Clear~~ Cloudy
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0745		Last Verification (time)	

Monitoring Well Information

Well ID	07303 - MW-27
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	40-55	ft
Total Well Depth (nearest 0.1')	54.4	ft
Depth to Groundwater (nearest 0.01')	44.79	ft
Length of Water Column	9.61	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

54.4

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Volume (gal)	TM									
Time (military)	0809									
pH (su)	5.74									
Spec Conductivity (mS/cm)	0.389									
Water Temperature (°C)	14.2									
Turbidity (NTU)	193									
Dissolved Oxygen (mg/L)	2.65									

Well Condition Information

-overall condition acceptable?
-well cap acceptable? Missing cap
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Replaced w/ new cap

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 4 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	1120		Last Verification (time)	1520	

Monitoring Well Information

Well ID	07303 - MW-28	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	40-55	ft
Total Well Depth (nearest 0.1')	55.0	ft
Depth to Groundwater (nearest 0.01')	47.05	ft
Length of Water Column	7.95	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

55.0

Volume (gal)	INT										
Time (military)	1531										
pH (su)	5.05										
Spec Conductivity (mS/cm)	0.217										
Water Temperature (°C)	18.6										
Turbidity (NTU)	21.9										
Dissolved Oxygen (mg/L)	7.04										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 5 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or Serial Number	V3KNWUE9	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	
Last Calibration (time)	0745	Last Verification (time)		

Monitoring Well Information

Well ID	07303 - MW-29		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-55	ft	
Total Well Depth (nearest 0.1')	55.0	ft	
Depth to Groundwater (nearest 0.01')	43.89	ft	
Length of Water Column	11.11	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			55.0
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	INT										
Time (military)	1035										
pH (su)	13.41										
Spec Conductivity (mS/cm)	0.225										
Water Temperature (°C)	18.1										
Turbidity (NTU)	43.9										
Dissolved Oxygen (mg/L)	3.25										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 5 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50's F

Monitoring Well Information

Well ID	07303 - MW-30
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	45-60	ft	
Total Well Depth (nearest 0.1')	60.5	ft	
Depth to Groundwater (nearest 0.01')	37.15	ft	
Length of Water Column	23.35	ft	
1 Casing Volume (0.163)	3.81	ft	
3 Casing Volumes (0.489)	11.42	gals	
Total Volume Purged	8.75	gals	
Purge Technique Utilized (bailer, pump)			60.5
Well Yield	Low ☑	Medium ☐	High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0745		Last Verification (time)	1545	

Volume (gal)	INT	4	8	12			8.5	8.75		
Time (military)	1700	1703	1708		Dry @ 8.5 gal		1711	1716		
pH (su)	5.30	5.33	5.41				5.52	5.35		
Spec Conductivity (mS/cm)	0.115	0.122	0.131				0.129	0.124		
Water Temperature (°C)	17.8	18.3	18.5				18.6	18.4		
Turbidity (NTU)	397	469	499				496	489		
Dissolved Oxygen (mg/L)	7.38	3.39	3.43				5.12	2.14		

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 5 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0745		Last Verification (time)		

Monitoring Well Information

Well ID	07303 - MW-31	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	26-41	ft
Total Well Depth (nearest 0.1')	40.3	ft
Depth to Groundwater (nearest 0.01')	31.39	ft
Length of Water Column	8.91	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

40.3

Volume (gal)	INT										
Time (military)	0845										
pH (su)	9.54										
Spec Conductivity (mS/cm)	0.109										
Water Temperature (°C)	15.6										
Turbidity (NTU)	8.1										
Dissolved Oxygen (mg/L)	6.27										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 5 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - MW-32
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	30-45	ft
Total Well Depth (nearest 0.1')	44.3	ft
Depth to Groundwater (nearest 0.01')	32.75	ft
Length of Water Column	11.55	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

44.3

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0745		Last Verification (time)		

Volume (gal)	INT									
Time (military)	0840									
pH (su)	5.59									
Spec Conductivity (mS/cm)	0.087									
Water Temperature (°C)	16.4									
Turbidity (NTU)	29.5									
Dissolved Oxygen (mg/L)	4.63									

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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1-800-325-0605

Site Specific Information	
Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 /5 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Monitoring Well Information			
Well ID	07303 - MW-33		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	29-44	ft	
Total Well Depth (nearest 0.1')	43.6	ft	
Depth to Groundwater (nearest 0.01')	34.50	ft	
Length of Water Column	9.1	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			43.6
Well Yield	Low ☐ Medium ☐ High ☐		

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0745		Last Verification (time)		

Volume (gal)	Int										
Time (military)	0830										
pH (su)	6.11										
Spec Conductivity (mS/cm)	0.135										
Water Temperature (°C)	15.8										
Turbidity (NTU)	33.3										
Dissolved Oxygen (mg/L)	5.10										

Well Condition Information	
-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments
Full of water

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

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Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 5 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - MW-34
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	30-45	ft
Total Well Depth (nearest 0.1')	45.1	ft
Depth to Groundwater (nearest 0.01')	37.39	ft
Length of Water Column	7.71	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

45.1

Purge Technique Utilized (bailer, pump)

Well Yield *Low* ☐ *Medium* ☐ *High* ☐

Quality Assurance

Meter	Horiba U-52-2		*Meter*	Horiba U-52-2	
Serial Number	VPTPGA3X	*or*	*Serial Number*	V3KNWUE9	
Calibration Constant	4.00 su		*Calibration Constant*	4.00 su	
Calibration Constant	4.49 mS/cm		*Calibration Constant*	4.49 mS/cm	
Calibration Constant	0.0 NTU		*Calibration Constant*	0.0 NTU	
Last Calibration (time)	0745		*Last Verification (time)*		

Volume (gal)	INT									
Time (military)	0900									
pH (su)	6.26									
Spec Conductivity (mS/cm)	0.058									
Water Temperature (°C)	16.8									
Turbidity (NTU)	44.2									
Dissolved Oxygen (mg/L)	5.09									

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

1 broken bolt

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 5 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - MW-35
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	31-46	ft
Total Well Depth (nearest 0.1')	45.3	ft
Depth to Groundwater (nearest 0.01')	38.22	ft
Length of Water Column	7.08	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

45.3

Quality Assurance

Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0745		Last Verification (time)		

Volume (gal)	INT										
Time (military)	0930										
pH (su)	8.36										
Spec Conductivity (mS/cm)	0.091										
Water Temperature (°C)	17.1										
Turbidity (NTU)	225										
Dissolved Oxygen (mg/L)	5.09										

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 4 /2019
Field Personnel	CM JT
General Weather	Clear
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - MW-36
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	31-46	ft
Total Well Depth (nearest 0.1')	46.2	ft
Depth to Groundwater (nearest 0.01')	38.42	ft
Length of Water Column	7.78	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

46.2

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	1120		Last Verification (time)	1520	

Volume (gal)	INJ										
Time (military)	1708										
pH (su)	5.04										
Spec Conductivity (mS/cm)	0.034										
Water Temperature (°C)	15.1										
Turbidity (NTU)	54.5										
Dissolved Oxygen (mg/L)	8.31										

Well Condition Information

-overall condition acceptable?	
-well cap acceptable?	
-manhole and cover acceptable?	Full of Water
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 4 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	1120		Last Verification (time)	1520

Monitoring Well Information

Well ID	07303 - MW-37
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	29-44	ft
Total Well Depth (nearest 0.1')	43.7	ft
Depth to Groundwater (nearest 0.01')	34.15	ft
Length of Water Column	9.55	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

43.7

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Volume (gal)	INT										
Time (military)	1657										
pH (su)	4.61										
Spec Conductivity (mS/cm)	0.084										
Water Temperature (°C)	16.7										
Turbidity (NTU)	130										
Dissolved Oxygen (mg/L)	6.65										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 4 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	1120		Last Verification (time)	1520

Monitoring Well Information

Well ID	07303 - MW-38	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	32-47	ft
Total Well Depth (nearest 0.1')	47.3	ft
Depth to Groundwater (nearest 0.01')	33.20	ft
Length of Water Column	14.1	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield — Low ☐ Medium ☐ High ☐		

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

47.3

Volume (gal)	INT										
Time (military)	1643										
pH (su)	4.85										
Spec Conductivity (mS/cm)	0.077										
Water Temperature (°C)	17.4										
Turbidity (NTU)	30										
Dissolved Oxygen (mg/L)	7.77										

Well Condition Information

-overall condition acceptable?	
-well cap acceptable?	Broken Cap
-manhole and cover acceptable?	Filled w/ water
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Replaced Cap w/ a new one

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 /4 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	1120		Last Verification (time)	1520	

Monitoring Well Information

Well ID	07303 - MW-39		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	42-52	ft	
Total Well Depth (nearest 0.1')	55.6	ft	
Depth to Groundwater (nearest 0.01')	46.75	ft	
Length of Water Column	8.25	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			55.0
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	INT										
Time (military)	1548										
pH (su)	5.67										
Spec Conductivity (mS/cm)	0.087										
Water Temperature (°C)	17.8										
Turbidity (NTU)	27.9										
Dissolved Oxygen (mg/L)	7.30										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	10 / 4 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - MW-4D
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	6-16	ft
Total Well Depth (nearest 0.1')	16.0	ft
Depth to Groundwater (nearest 0.01')	14.45	ft
Length of Water Column	1.55	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

16.0

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

		or		
Meter	Horiba U-52-2	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	
Last Calibration (time)	1120	Last Verification (time)		

Volume (gal)	INT										
Time (military)	1131										
pH (su)	4.56										
Spec Conductivity (mS/cm)	0.122										
Water Temperature (°C)	19.2										
Turbidity (NTU)	499										
Dissolved Oxygen (mg/L)	3.77										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 4 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	1120		Last Verification (time)		

Monitoring Well Information

Well ID	07303 - MW-41		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	42-52	ft	
Total Well Depth (nearest 0.1')	52.1	ft	
Depth to Groundwater (nearest 0.01')	45.22	ft	
Length of Water Column	6.88	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			52.1
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	INT										
Time (military)	1446										
pH (su)	5.93										
Spec Conductivity (mS/cm)	0.123										
Water Temperature (°C)	18.5										
Turbidity (NTU)	206										
Dissolved Oxygen (mg/L)	5.61										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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Summerville, SC 29484
1-800-325-0605

Site Specific Information	
Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 4 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Monitoring Well Information			
Well ID	07303 - MW-42		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	2-9	ft	
Total Well Depth (nearest 0.1')	11.9	ft	
Depth to Groundwater (nearest 0.01')	8.64	ft	
Length of Water Column	3.26	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			11.9
Well Yield	Low ☐ Medium ☐ High ☐		

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	1120		Last Verification (time)		

Volume (gal)	INT									
Time (military)	1144									
pH (su)	5.47									
Spec Conductivity (mS/cm)	0.058									
Water Temperature (°C)	17.2									
Turbidity (NTU)	236									
Dissolved Oxygen (mg/L)	4.63									

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 4 /2019
Field Personnel	CM TT
General Weather	clear
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - MW-43		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-50	ft	
Total Well Depth (nearest 0.1')	50.0	ft	
Depth to Groundwater (nearest 0.01')	42.90	ft	
Length of Water Column	7.1	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			50.0
Well Yield	Low ☐ Medium ☐ High ☐		

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	1120		Last Verification (time)	

Volume (gal)	INT									
Time (military)	1508									
pH (su)	8.38									
Spec Conductivity (mS/cm)	0.236									
Water Temperature (°C)	19.0									
Turbidity (NTU)	36.6									
Dissolved Oxygen (mg/L)	~~36.6~~ 6.15									

Well Condition Information

-overall condition acceptable?	
-well cap acceptable?	
-manhole and cover acceptable?	Full of water
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 4 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	1120		Last Verification (time)	

Monitoring Well Information

Well ID	07303 - MW-44
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter		in
Screened Interval		ft
Total Well Depth (nearest 0.1')		ft
Depth to Groundwater (nearest 0.01')		ft
Length of Water Column		ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Volume (gal)											
Time (military)											
pH (su)											
Spec Conductivity (mS/cm)											
Water Temperature (°C)											
Turbidity (NTU)											
Dissolved Oxygen (mg/L)											

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

Could not find

Groundwater Sampling Log

TERRY Environmental Services
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1-800-325-0605

Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 4 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - MW-45
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	42-52	ft	
Total Well Depth (nearest 0.1')	52.4	ft	
Depth to Groundwater (nearest 0.01')	46.18	ft	
Length of Water Column	6.22	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			52.4
Well Yield	Low ☐ Medium ☐ High ☐		

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	1120		Last Verification (time)		

Volume (gal)	Int									
Time (military)	1345									
pH (su)	5.63									
Spec Conductivity (mS/cm)	0.053									
Water Temperature (°C)	17.3									
Turbidity (NTU)	110									
Dissolved Oxygen (mg/L)	4.79									

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? Full of water
-well pad acceptable? _____
-area safe? _____
-other comments _____

Additional Comments

Buried by Sediment

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 4 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - MW-46
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-50	ft	
Total Well Depth (nearest 0.1')	50.4	ft	
Depth to Groundwater (nearest 0.01')	44.73	ft	
Length of Water Column	5.67	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			50.4
Well Yield	Low ☐ Medium ☐ High ☐		

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	1120		Last Verification (time)		

Volume (gal)	INT										
Time (military)	1350										
pH (su)	5.44										
Spec Conductivity (mS/cm)	0.033										
Water Temperature (°C)	17.2										
Turbidity (NTU)	129										
Dissolved Oxygen (mg/L)	5.99										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 4 /2019
Field Personnel	CM TT
General Weather	clear
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - MW-47
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	32-42	ft	
Total Well Depth (nearest 0.1')	42.1	ft	
Depth to Groundwater (nearest 0.01')	36.88	ft	
Length of Water Column	5.22	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			42.1
Well Yield	Low ☐	Medium ☐	High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	1120		Last Verification (time)		

Volume (gal)	Int										
Time (military)	1320										
pH (su)	5.34										
Spec Conductivity (mS/cm)	0.026										
Water Temperature (°C)	16.2										
Turbidity (NTU)	391										
Dissolved Oxygen (mg/L)	6.21										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Buried under Sediment

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 4 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - MW-4S
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	3-8	ft
Total Well Depth (nearest 0.1')	8.0	ft
Depth to Groundwater (nearest 0.01')	3.96	ft
Length of Water Column	4.04	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

8.0

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	1120		Last Verification (time)		

Volume (gal)	INT									
Time (military)	1300									
pH (su)	5.30									
Spec Conductivity (mS/cm)	0.443									
Water Temperature (°C)	15.0									
Turbidity (NTU)	165									
Dissolved Oxygen (mg/L)	3.93									

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Buried under Sediment

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

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Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 5 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0745		Last Verification (time)		

Monitoring Well Information

Well ID	07303 - DW-1		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	75-80	ft	
Total Well Depth (nearest 0.1')	80.1	ft	
Depth to Groundwater (nearest 0.01')	44.39	ft	
Length of Water Column	35.71	ft	
1 Casing Volume (0.163)	5.82	ft	
3 Casing Volumes (0.489)	17.46	gals	
Total Volume Purged	30	gals	
Purge Technique Utilized (bailer, pump)			80.1
Well Yield	Low ☐ Medium ☐ High ☒		

Volume (gal)	INT	6	12	18	24	30				
Time (military)	1038	1043	1049	1053	1056	1102				
pH (su)	11.16	8.73	7.80	7.56	7.38	6.81				
Spec Conductivity (mS/cm)	0.437	0.251	0.243	0.239	0.238	0.228				
Water Temperature (°C)	17.9	18.5	18.5	18.0	17.8	18.2				
Turbidity (NTU)	47.8	41.2	24.7	21.2	18.1	26.3				
Dissolved Oxygen (mg/L)	3.18	1.49	2.73	1.43	1.78	1.90				

Well Condition Information

-overall condition acceptable?	YES
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12/5/2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - DW-2
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	75-80	ft
Total Well Depth (nearest 0.1')	80.1	ft
Depth to Groundwater (nearest 0.01')	40.25	ft
Length of Water Column	39.85	ft
1 Casing Volume (0.163)	6.50	ft
3 Casing Volumes (0.489)	19.49	gals
Total Volume Purged	32.5	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

80.1

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☒ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0745		Last Verification (time)	1145	

Volume (gal)	INT	6.5	13	19.5	26	32.5				
Time (military)	1338	1343	1350	1356	1403	1410				
pH (su)	9.17	7.28	6.58	6.55	6.14	6.15				
Spec Conductivity (mS/cm)	0.244	0.225	0.224	0.223	0.212	0.211				
Water Temperature (°C)	19.2	18.8	19.4	18.3	19.1	19.2				
Turbidity (NTU)	29.1	1.0	0.0	0.0	0.0	0.1				
Dissolved Oxygen (mg/L)	6.44	4.48	4.38	4.28	2.93	4.61				

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information	
Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 5 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°

Monitoring Well Information			
Well ID	07303 - DW-3		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	75-80	ft	
Total Well Depth (nearest 0.1')	80.0	ft	
Depth to Groundwater (nearest 0.01')	38.50	ft	
Length of Water Column	41.5	ft	
1 Casing Volume (0.163)	7	ft	
3 Casing Volumes (0.489)	~~21~~	gals	
Total Volume Purged	35	gals	
Purge Technique Utilized (bailer, pump)			80.0
Well Yield	Low ☐ Medium ☒ High ☐		

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0745		Last Verification (time)	1145	

Volume (gal)	Int	7	14.00	21	28	35					
Time (military)	1510	1517	1522	1529	1536	1543					
pH (su)	10.99	7.90	7.30	6.62	6.25	6.33					
Spec Conductivity (mS/cm)	0.545	0.331	0.210	0.208	0.209	0.202					
Water Temperature (°C)	20.8	20.1	19.8	19.6	19.8	19.6					
Turbidity (NTU)	126	~~28~~	2.5	0.0	0.0	0.0					
Dissolved Oxygen (mg/L)	3.58	2.18	2.88	2.49	1.73	4.06					

Well Condition Information	
-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 4 /2019
Field Personnel	CM FT
General Weather	Clear
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or Serial Number	V3KNWUE9	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	
Last Calibration (time)	1120	Last Verification (time)		

Monitoring Well Information

Well ID	07303 - DW-5		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	75-80	ft	
Total Well Depth (nearest 0.1')	80.0	ft	
Depth to Groundwater (nearest 0.01')	75.25	ft	
Length of Water Column	4.75	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			80.0
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	INT										
Time (military)	1441										
pH (su)	12.22										
Spec Conductivity (mS/cm)	5.23										
Water Temperature (°C)	18.3										
Turbidity (NTU)	82.7										
Dissolved Oxygen (mg/L)	3.06										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12/5/2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50 °F

Quality Assurance

Meter	Horiba U-52-2	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or Serial Number	V3KNWUE9	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	
Last Calibration (time)	0745	Last Verification (time)		

Monitoring Well Information

Well ID	07303 - DW-6
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	115-130	ft
Total Well Depth (nearest 0.1')	~~37.52~~ 130.0	ft
Depth to Groundwater (nearest 0.01')	49.54	ft
Length of Water Column	80.46	ft
1 Casing Volume (0.163)	13.11	ft
3 Casing Volumes (0.489)	39.34	gals
Total Volume Purged	8.25	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

130.0

Purge Technique Utilized (bailer, pump)

Well Yield — Low ☒ Medium ☐ High ☐

Volume (gal)	INT	3.25	26.5	39.75			8.00	8.25		
Time (military)	0955				Purged dry @ 8.00 gal		1021	1028		
pH (su)	11.26						10.83	11.24		
Spec Conductivity (mS/cm)	0.519						0.422	0.459		
Water Temperature (°C)	17.6						17.4	17.9		
Turbidity (NTU)	20.7						30.1	42.1		
Dissolved Oxygen (mg/L)	2.34						0.98	1.12		

Well Condition Information

-overall condition acceptable?	YES
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12/5/2019
Field Personnel	CMTT
General Weather	Clear
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - DW-7
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	115-120	ft
Total Well Depth (nearest 0.1')	120.0	ft
Depth to Groundwater (nearest 0.01')	65.45	ft
Length of Water Column	54.55	ft
1 Casing Volume (0.163)	8.89	ft
3 Casing Volumes (0.489)	26.68	gals
Total Volume Purged	6.25	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield — Low ☐ Medium ☐ High ☐

120.0

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0745		Last Verification (time)	1145	

Volume (gal)	INT	6.0	6.25								
Time (military)	1422	1435	1450								
pH (su)	11.91	11.78	11.94								
Spec Conductivity (mS/cm)	3.70	2.60	3.45								
Water Temperature (°C)	19.0	19.0	19.6								
Turbidity (NTU)	10	45.7	52.8								
Dissolved Oxygen (mg/L)	2.20	2.56	1.96								

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Dry at 6gal. Allowed ample recharge time before sampling

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
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1-800-325-0605

Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 5 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Monitoring Well Information

Well ID	07303 - DW-9
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	75 - 80	ft
Total Well Depth (nearest 0.1')	80.1	ft
Depth to Groundwater (nearest 0.01')	35.44	ft
Length of Water Column	44.66	ft
1 Casing Volume (0.163)	7.27	ft
3 Casing Volumes (0.489)	21.83	gals
Total Volume Purged	37.5	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1': 80.1

Purge Technique Utilized (bailer, pump)

Well Yield — Low ☐ Medium ☑ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0745		Last Verification (time)		

Volume (gal)	INT	7.5	15	22.5	30	37.5					
Time (military)	0800	0803	0810	0815	0821	0834					
pH (su)	5.58	5.82	6.19	6.32	6.47	6.32					
Spec Conductivity (mS/cm)	0.223	0.168	0.156	0.154	0.154	0.151					
Water Temperature (°C)	14.5	15.8	16.0	16.3	16.1	16.3					
Turbidity (NTU)	27.1	32.8	13.9	15.6	14.1	15.9					
Dissolved Oxygen (mg/L)	2.15	4.40	4.73	4.43	4.63	4.76					

Well Condition Information

-overall condition acceptable?
-well cap acceptable? Broken
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Replaced well cap w/ new one

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 5 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2	or	Meter	Horiba U-52-2
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0745		Last Verification (time)	

Monitoring Well Information

Well ID	07303 - DW-10
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	115-120	ft
Total Well Depth (nearest 0.1')	120.0	ft
Depth to Groundwater (nearest 0.01')	35.61	ft
Length of Water Column	84.39	ft
1 Casing Volume (0.163)	13.76	ft
3 Casing Volumes (0.489)	41.27	gals
Total Volume Purged	10.75	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield — Low ☒ Medium ☐ High ☐

120.0

Volume (gal)	INT	14	28	42			10.5	10.75		
Time (military)	0853				Purged dry		0918	0926		
pH (su)	12.00				@ 10.5gal		11.82	11.75		
Spec Conductivity (mS/cm)	1.668						1.70	1.78		
Water Temperature (°C)	15.9						16.5	16.8		
Turbidity (NTU)	12.6					~~350~~	350	124		
Dissolved Oxygen (mg/L)	1.93						2.53	1.65		

Well Condition Information

-overall condition acceptable?	
-well cap acceptable?	Broken
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Replaced well cap w/ new one

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

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Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 5 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50s

Quality Assurance

Meter	Horiba U-52-2		*Meter*	Horiba U-52-2
Serial Number	VPTPGA3X	*or*	*Serial Number*	V3KNWUE9
Calibration Constant	4.00 su		*Calibration Constant*	4.00 su
Calibration Constant	4.49 mS/cm		*Calibration Constant*	4.49 mS/cm
Calibration Constant	0.0 NTU		*Calibration Constant*	0.0 NTU
Last Calibration (time)	0745		*Last Verification (time)*	1145

Monitoring Well Information

Well ID	07303 - DW-11		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	74-79	ft	
Total Well Depth (nearest 0.1')	78.5	ft	
Depth to Groundwater (nearest 0.01')	45.37	ft	
Length of Water Column	33.13	ft	
1 Casing Volume (0.163)	5.40	ft	
3 Casing Volumes (0.489)	16.20	gals	
Total Volume Purged	16.50	gals	
Purge Technique Utilized (bailer, pump)			78.5
Well Yield	*Low* ☐ *Medium* ☐ *High* ☒		

Volume (gal)	INT	5.5	11.0	16.5							
Time (military)	1205	1207	1210	1214							
pH (su)	6.38	6.58	6.65	6.63							
Spec Conductivity (mS/cm)	0.286	0.281	0.265	0.258							
Water Temperature (°C)	18.7	18.4	18.5	18.2							
Turbidity (NTU)	21.9	13.8	12.8	13.1							
Dissolved Oxygen (mg/L)	3.83	3.04	3.03	3.05							

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12/~~25~~/2019
Field Personnel	CM TT
General Weather	Cloudy
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)			Last Verification (time)	

Monitoring Well Information

Well ID	07303 - RW-1	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	30.1-50.1	ft
Total Well Depth (nearest 0.1')	44.4	ft
Depth to Groundwater (nearest 0.01')	34.74	ft
Length of Water Column	10.11	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield Low ☐ Medium ☐ High ☐		

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

49.9

Volume (gal)											
Time (military)											
pH (su)											
Spec Conductivity (mS/cm)											
Water Temperature (°C)											
Turbidity (NTU)											
Dissolved Oxygen (mg/L)											

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments _____

Additional Comments

well had 2.50ft of Product in it; no sample taken

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 6 /2019
Field Personnel	CM TT
General Weather	Cloudy
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or Serial Number	V3KNWUE9	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	
Last Calibration (time)	0745	Last Verification (time)		

Monitoring Well Information

Well ID	07303 - RW-2		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	30.1-50.1	ft	
Total Well Depth (nearest 0.1')	49.9	ft	
Depth to Groundwater (nearest 0.01')	39.69	ft	
Length of Water Column	10.21	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			49.9
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)	FNT										
Time (military)	0840										
pH (su)	~~5.48~~ 6.27										
Spec Conductivity (mS/cm)	0.444										
Water Temperature (°C)	15.8										
Turbidity (NTU)	317										
Dissolved Oxygen (mg/L)	2.48										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Sheen Present in water

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 6 /2019
Field Personnel	CM TT
General Weather	Cloudy
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0745		Last Verification (time)	

Monitoring Well Information

Well ID	07303 - RW-3
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	30.2-50.2	ft
Total Well Depth (nearest 0.1')	50.3	ft
Depth to Groundwater (nearest 0.01')	38.84	ft
Length of Water Column	11.46	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield Low ☐ Medium ☐ High ☐		

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

50.3

Volume (gal)	INT										
Time (military)	0830										
pH (su)	6.01										
Spec Conductivity (mS/cm)	0.321										
Water Temperature (°C)	16.9										
Turbidity (NTU)	16.1										
Dissolved Oxygen (mg/L)	2.85										

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 6 /2019
Field Personnel	CM TT
General Weather	Cloudy
Ambient Air Temperature	50's F

Monitoring Well Information

Well ID	07303 - RW-4
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	30.1-50.1	ft
Total Well Depth (nearest 0.1')	50.1	ft
Depth to Groundwater (nearest 0.01')	38.73	ft
Length of Water Column	11.37	ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

50.1

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

Meter	Horiba U-52-2		*Meter*	Horiba U-52-2	
Serial Number	VPTPGA3X	*or*	*Serial Number*	V3KNWUE9	
Calibration Constant	4.00 su		*Calibration Constant*	4.00 su	
Calibration Constant	4.49 mS/cm		*Calibration Constant*	4.49 mS/cm	
Calibration Constant	0.0 NTU		*Calibration Constant*	0.0 NTU	
Last Calibration (time)	0745		*Last Verification (time)*		

Volume (gal)	Int									
Time (military)	0910									
pH (su)	6.29									
Spec Conductivity (mS/cm)	0.251									
Water Temperature (°C)	16.9									
Turbidity (NTU)	79.6									
Dissolved Oxygen (mg/L)	2.08									

Well Condition Information

-overall condition acceptable?	Yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

Dup taken @ 0912

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
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1-800-325-0605

Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 6 /2019
Field Personnel	CM TT
General Weather	Cloudy
Ambient Air Temperature	50

Quality Assurance

Meter	Horiba U-52-2		*Meter*	Horiba U-52-2
Serial Number	VPTPGA3X	*or*	*Serial Number*	V3KNWUE9
Calibration Constant	4.00 su		*Calibration Constant*	4.00 su
Calibration Constant	4.49 mS/cm		*Calibration Constant*	4.49 mS/cm
Calibration Constant	0.0 NTU		*Calibration Constant*	0.0 NTU
Last Calibration (time)	0745		*Last Verification (time)*	

Monitoring Well Information

Well ID	07303 - RW-5		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	30-50	ft	
Total Well Depth (nearest 0.1')	50.0	ft	
Depth to Groundwater (nearest 0.01')	35.69	ft	
Length of Water Column	14.31	ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			
Well Yield Low ☐ Medium ☐ High ☐			50.0

Volume (gal)	INT										
Time (military)											
pH (su)											
Spec Conductivity (mS/cm)											
Water Temperature (°C)											
Turbidity (NTU)											
Dissolved Oxygen (mg/L)											

Well Condition Information

-overall condition acceptable?	yes
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

0.01 ft of Product in well, no sample taken

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 4 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	1120		Last Verification (time)	

Monitoring Well Information

Well ID	07303 - SW-1
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter		in
Screened Interval		ft
Total Well Depth (nearest 0.1')		ft
Depth to Groundwater (nearest 0.01')		ft
Length of Water Column		ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Volume (gal)	DNT										
Time (military)	1221										
pH (su)	5.89										
Spec Conductivity (mS/cm)	0.096										
Water Temperature (°C)	14.2										
Turbidity (NTU)	60										
Dissolved Oxygen (mg/L)	0.36										

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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1-800-325-0605

Site Specific Information

Terry Project ID	2170R
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	12 / 4 /2019
Field Personnel	CM TT
General Weather	Clear
Ambient Air Temperature	50°F

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	1120		Last Verification (time)		

Monitoring Well Information

Well ID	07303 - SW-2
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter		in
Screened Interval		ft
Total Well Depth (nearest 0.1')		ft
Depth to Groundwater (nearest 0.01')		ft
Length of Water Column		ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Volume (gal)	INT				
Time (military)	1226				
pH (su)	5.78				
Spec Conductivity (mS/cm)	0.089				
Water Temperature (°C)	14.3				
Turbidity (NTU)	19.6				
Dissolved Oxygen (mg/L)	7.35				

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

TERRY Environmental Services
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1-800-325-0605

HORIBA U-52-2 DAILY CALIBRATION DATA SHEET

Serial Number:	**Date:** 12 / 4 / 19	**Inspector(s):** CM TT
J6RAKC0E/VPTPGA3X		
T13E334F/V3KNWUE9	**Time:** 1120	

Solution Manufacturer: Eastern Solutions **Lot Number:** 171279 **Expiration Date:** 12-30-19

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	4.01	± 0.01
Conductivity: 4.49 mS/cm	4.51 mS/cm	± 0.02 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± Ø NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	16.9 °C	16.9 °C	± Ø °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

2170 R UST#07303
Former Li'l Cricket #339
Groundwater Sampling

TERRY Environmental Services
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Summerville, SC 29484
1-800-325-0605

HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number: J6RAKC0E/VPTPGA3X T13E334F/V3KNWUE9	**Date:** 12 / 4 / 19 **Time:** 1320	**Inspector(s):** CM TT

Solution Manufacturer: Eastern Solutions **Lot Number:** 1712d79 **Expiration Date:** 12-30-19

Solution Value	***Instrument Reading***	***Accuracy***
pH: 4.00	4.00	± Ø
Conductivity: 4.49 mS/cm	4.51 mS/cm	± 0.02 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± Ø NTU

	Standard Reading	***Instrument Reading***	***Accuracy***
NIST-Traceable Thermometer:	18.2 °C	18.2 °C	± Ø °C

QAPP Acceptance Criteria

Field Parameter	***Accuracy***
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

2176R UST#07303
Former Li'l Cricket #339
Groundwater Sampling

TERRY Environmental Services
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Summerville, SC 29484
1-800-325-0605

HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number:	**Date:** 12 / 4 / 19	**Inspector(s):** CM TT
J6RAKC0E/VPTPGA3X		
T13E334F/V3KNWUE9	**Time:** 1720	

Solution Manufacturer: Eastern Solutions **Lot Number:** 1712d79 **Expiration Date:** 12-30-19

Solution Value	***Instrument Reading***	***Accuracy***
pH: 4.00	3.95	± 0.05
Conductivity: 4.49 mS/cm	4.49 mS/cm	± Ø mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± Ø NTU

	Standard Reading	***Instrument Reading***	***Accuracy***
NIST-Traceable Thermometer:	14.8 °C	15.3 °C	± 0.5 °C

QAPP Acceptance Criteria

Field Parameter	***Accuracy***
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

2170R VST #07303
Former Li'l Cricket #339
Groundwater Sampling

TERRY Environmental Services

P.O. Box 25
Summerville, SC 29484
1-800-325-9015

HORIBA U-52-2 DAILY CALIBRATION DATA SHEET

Serial Number:	Date: 12/5/19	Inspector(s): CM TT
J6RAKC0E/VPTPGA3X T13E334F/V3KNWUE9	Time: 0745	

Solution Manufacturer: Eastern Solutions Lot Number: 1712d79 Expiration Date: 12-30-19

Solution Value	Instrument Reading	Accuracy
pH: 4.00	4.00	± 0
Conductivity: 4.49 mS/cm	4.50 mS/cm	±0.01 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0 NTU

	Standard Reading	Instrument Reading	Accuracy
NIST-Traceable Thermometer:	8.4 °C	8.4 °C	± 0 °C

QAPP Acceptance Criteria

Field Parameter	Accuracy
Temperature	±1°C against an NIST-traceable thermometer
Specific Conductance	10% of each standard used
pH	±0.2 pH units of stated buffer value
Turbidity	10% of each standard used

Inspector's Maintenance Notes

2170R UST#07303
Former Li'l Cricket #339
Groundwater Sampling

TERRY Environmental Services
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1-800-325-0605

HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number:	**Date:** 12 / 5 / 19	**Inspector(s):** CM TT
J6RAKC0E/VPTPGA3X		
T13E334F/V3KNWUE9	**Time:** 1145	

Solution Manufacturer: Eastern Solutions **Lot Number:** 1712d79 **Expiration Date:** 12-30-19

Solution Value	***Instrument Reading***	***Accuracy***
pH: 4.00	4.00	± Ø
Conductivity: 4.49 mS/cm	4.54 mS/cm	± 0.05 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± Ø NTU

	Standard Reading	***Instrument Reading***	***Accuracy***
NIST-Traceable Thermometer:	15.8 °C	15.8 °C	± Ø °C

QAPP Acceptance Criteria

Field Parameter	***Accuracy***
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

2170R UST #07303
Former Li'l Cricket #339
Groundwater Sampling

TERRY Environmental Services
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Summerville, SC 29484
1-800-325-0605

HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number:	**Date:** 12 / 5 / 19	**Inspector(s):** CM TT
J6RAKC0E/VPTPGA3X		
T13E334F/V3KNWUE9	**Time:** 1545	

Solution Manufacturer: Eastern Solutions **Lot Number:** 1712d79 **Expiration Date:** 12-30-19

Solution Value	***Instrument Reading***	***Accuracy***
pH: 4.00	3.98	± 0.02
Conductivity: 4.49 mS/cm	4.48 mS/cm	± 0.01 mS/cm
Turbidity: 0.0 NTU	0.7 NTU	± 0.7 NTU

	Standard Reading	***Instrument Reading***	***Accuracy***
NIST-Traceable Thermometer:	19.3 °C	19.4 °C	± 0.1 °C

QAPP Acceptance Criteria

Field Parameter	***Accuracy***
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

2/70R UST #07303
Former Li'l Cricket #339
Groundwater Sampling

TERRY Environmental Services
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1-800-325-0605

HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number:	**Date:** 12 / 5 / 19	**Inspector(s):** CM TT
J6RAKC0E/VPTPGA3X		
T13E334F/V3KNWUE9	**Time:** 1800	

Solution Manufacturer: Eastern Solutions **Lot Number:** 1712d79 **Expiration Date:** 12-30-19

Solution Value	***Instrument Reading***	***Accuracy***
pH: 4.00	4.00	± Ø
Conductivity: 4.49 mS/cm	4.52 mS/cm	± 0.03 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± Ø NTU

	Standard Reading	***Instrument Reading***	***Accuracy***
NIST-Traceable Thermometer:	17.6 °C	17.7 °C	± 0.1 °C

QAPP Acceptance Criteria

Field Parameter	***Accuracy***
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

2170R UST #07303
Former Lil Cricket #334
Groundwater Sampling

TERRY Environmental Services

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1-800-325-[illegible]

HORIBA U-52-2 DAILY CALIBRATION DATA SHEET

Serial Number:	Date: 12 / 6 / 19	Inspector(s): CM TT
J6RAKCDE/VPTPGA3X T13E334F/V3KNWUE9	Time: 0745	

Solution Manufacturer: Eastern Solutions Lot Number: 17/2d19 Expiration Date: 12-30-19

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	3.99	± 0.1
Conductivity: 4.49 mS/cm	4.52 mS/cm	± 0.3 mS/cm
Turbidity: 0.0 NTU	1.2 NTU	± 1.2 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	7.8 °C	8.0 °C	± 0.2 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

2170R UST #07303
Former Li'l Cricket #339
Groundwater Sampling

TERRY Environmental Services
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Summerville, SC 29484
1-800-325-0605

HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number: J6RAKC0E/VPTPGA3X T13E334F/V3KNWUE9	**Date:** 12 / 6 / 19 **Time:** 1010	**Inspector(s):** CM TT

Solution Manufacturer: Eastern Solutions **Lot Number:** 1712d79 **Expiration Date:** 12-30-19

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	3.99	± 0.01
Conductivity: 4.49 mS/cm	4.53 mS/cm	± 0.04 mS/cm
Turbidity: 0.0 NTU	0.5 NTU	± 0.5 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	10.7 °C	11.0 °C	± 0.3 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

2170R ~~UST #2170R~~ UST # 07303
former Li'l Cricket #339
Groundwater Sampling

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

Terry Environmental Services, Inc.
222 Varnfield Drive
Suite F
Summerville, SC 29483
Attention: Kelly Cone

Project Name: Former Li'l Cricket #339

Project Number: 2170R

Lot Number:**UL06067**

Date Completed:12/12/2019

12/16/2019 4:06 PM
Approved and released by:
Project Manager: Kelly M. Nance

The electronic signature above is the equivalent of a handwritten signature.
This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Case Narrative
Terry Environmental Services, Inc.
Lot Number: UL06067

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Per the client, UST # is 07303 for all samples.

EDB & DBCP
The sample result for -055 has a P qualifier because the relative percent difference (RPD) between the two dissimilar phase GC columns exceeds 40%. The lower result is reported; the higher result was 0.089 ug/L.

The matrix spike (MS) associated with sample -054 had EDB recovered outside of the acceptance limits. The laboratory control sample (LCS) was recovered within the required acceptance limits; therefore, this likely demonstrates a matrix effect.

Batch 38581 did not include a MS/MSD due to laboratory error.

Sample Summary
Terry Environmental Services, Inc.
Lot Number: UL06067

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	07303 FB-1	Aqueous	12/04/2019 1125	12/06/2019
002	07303 MW-40	Aqueous	12/04/2019 1131	12/06/2019
003	07303 MW-42	Aqueous	12/04/2019 1144	12/06/2019
004	07303 SW-1	Aqueous	12/04/2019 1221	12/06/2019
005	07303 SW-2	Aqueous	12/04/2019 1226	12/06/2019
006	07303 MW-48	Aqueous	12/04/2019 1300	12/06/2019
007	07303 MW-47	Aqueous	12/04/2019 1320	12/06/2019
008	07303 MW-45	Aqueous	12/04/2019 1345	12/06/2019
009	07303 MW-46	Aqueous	12/04/2019 1350	12/06/2019
010	07303 DW-5	Aqueous	12/04/2019 1441	12/06/2019
011	07303 MW-41	Aqueous	12/04/2019 1446	12/06/2019
012	07303 MW-43	Aqueous	12/04/2019 1508	12/06/2019
013	07303 MW-23	Aqueous	12/04/2019 1513	12/06/2019
014	07303 MW-28	Aqueous	12/04/2019 1531	12/06/2019
015	07303 MW-25	Aqueous	12/04/2019 1542	12/06/2019
016	07303 MW-39	Aqueous	12/04/2019 1548	12/06/2019
017	07303 MW-21	Aqueous	12/04/2019 1608	12/06/2019
018	07303 MW-14	Aqueous	12/04/2019 1619	12/06/2019
019	07303 MW-38	Aqueous	12/04/2019 1643	12/06/2019
020	07303 MW-37	Aqueous	12/04/2019 1657	12/06/2019
021	07303 MW-36	Aqueous	12/04/2019 1708	12/06/2019
022	07303 FB-2	Aqueous	12/05/2019 0750	12/06/2019
023	07303 MW-33	Aqueous	12/05/2019 0830	12/06/2019
024	07303 DW-9	Aqueous	12/05/2019 0834	12/06/2019
025	07303 MW-32	Aqueous	12/05/2019 0840	12/06/2019
026	07303 MW-31	Aqueous	12/05/2019 0845	12/06/2019
027	07303 MW-34	Aqueous	12/05/2019 0900	12/06/2019
028	07303 DW-10	Aqueous	12/05/2019 0926	12/06/2019
029	07303 MW-35	Aqueous	12/05/2019 0930	12/06/2019
030	07303 MW-26	Aqueous	12/05/2019 1010	12/06/2019
031	07303 DW-6	Aqueous	12/05/2019 1028	12/06/2019
032	07303 MW-29	Aqueous	12/05/2019 1035	12/06/2019
033	07303 MW-22	Aqueous	12/05/2019 1055	12/06/2019
034	07303 DW-1	Aqueous	12/05/2019 1102	12/06/2019
035	07303 MW-24	Aqueous	12/05/2019 1111	12/06/2019
036	07303 MW-11	Aqueous	12/05/2019 1156	12/06/2019
037	07303 DW-11	Aqueous	12/05/2019 1214	12/06/2019
038	07303 MW-3	Aqueous	12/05/2019 1344	12/06/2019
039	07303 DW-2	Aqueous	12/05/2019 1410	12/06/2019
040	07303 DW-7	Aqueous	12/05/2019 1450	12/06/2019
041	07303 MW-5R	Aqueous	12/05/2019 1459	12/06/2019
042	07303 MW-18	Aqueous	12/05/2019 1530	12/06/2019
043	07303 DW-3	Aqueous	12/05/2019 1543	12/06/2019
044	07303 MW-13	Aqueous	12/05/2019 1615	12/06/2019
045	07303 MW-12	Aqueous	12/05/2019 1635	12/06/2019

Sample Summary (Continued)

Lot Number: UL06067

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
046	07303 MW-16	Aqueous	12/05/2019 1638	12/06/2019
047	07303 MW-19	Aqueous	12/05/2019 1740	12/06/2019
048	07303 MW-19 Dup	Aqueous	12/05/2019 1742	12/06/2019
049	07303 MW-17	Aqueous	12/05/2019 1743	12/06/2019
050	07303 FB-3	Aqueous	12/06/2019 0750	12/06/2019
051	07303 MW-15	Aqueous	12/06/2019 0751	12/06/2019
052	07303 MW-27	Aqueous	12/06/2019 0809	12/06/2019
053	07303 MW-20	Aqueous	12/06/2019 0820	12/06/2019
054	07303 RW-3	Aqueous	12/06/2019 0830	12/06/2019
055	07303 RW-2	Aqueous	12/06/2019 0840	12/06/2019
056	07303 RW-4	Aqueous	12/06/2019 0910	12/06/2019
057	07303 MW-9	Aqueous	12/06/2019 0931	12/06/2019
058	07303 MW-9 Dup	Aqueous	12/06/2019 0933	12/06/2019
059	07303 RW-4 Dup	Aqueous	12/06/2019 0912	12/06/2019
060	07303 Trip Blank	Aqueous	12/04/2019	12/06/2019
061	07303 Trip Blank 2	Aqueous	12/04/2019	12/06/2019
062	07303 MW-30	Aqueous	12/05/2019 1716	12/06/2019

(62 samples)

Detection Summary

Terry Environmental Services, Inc.

Lot Number: UL06067

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
004	07303 SW-1	Aqueous	Methyl tertiary butyl ether	8260B	1.7		ug/L	13
006	07303 MW-48	Aqueous	Methyl tertiary butyl ether	8260B	6.6		ug/L	15
018	07303 MW-14	Aqueous	Methyl tertiary butyl ether	8260B	1.1		ug/L	27
024	07303 DW-9	Aqueous	Ethanol	8260B	52	J	ug/L	33
030	07303 MW-26	Aqueous	Benzene	8260B	1.8		ug/L	39
030	07303 MW-26	Aqueous	Ethylbenzene	8260B	0.69	J	ug/L	39
030	07303 MW-26	Aqueous	Naphthalene	8260B	2.7		ug/L	39
030	07303 MW-26	Aqueous	Xylenes (total)	8260B	1.6		ug/L	39
031	07303 DW-6	Aqueous	Ethanol	8260B	94	J	ug/L	40
032	07303 MW-29	Aqueous	tert-Amyl alcohol (TAA)	8260B	36		ug/L	41
032	07303 MW-29	Aqueous	tert-Amyl methyl ether	8260B	1.1	J	ug/L	41
032	07303 MW-29	Aqueous	Benzene	8260B	17		ug/L	41
032	07303 MW-29	Aqueous	1,2-Dichloroethane	8260B	1.2		ug/L	41
032	07303 MW-29	Aqueous	Diisopropyl ether (IPE)	8260B	1.9		ug/L	41
032	07303 MW-29	Aqueous	Ethylbenzene	8260B	36		ug/L	41
032	07303 MW-29	Aqueous	Methyl tertiary butyl ether	8260B	8.0		ug/L	41
032	07303 MW-29	Aqueous	Naphthalene	8260B	32		ug/L	41
032	07303 MW-29	Aqueous	tert-butyl alcohol (TBA)	8260B	37		ug/L	41
032	07303 MW-29	Aqueous	Toluene	8260B	18		ug/L	41
032	07303 MW-29	Aqueous	Xylenes (total)	8260B	140		ug/L	41
033	07303 MW-22	Aqueous	Methyl tertiary butyl ether	8260B	0.41	J	ug/L	42
034	07303 DW-1	Aqueous	tert-Amyl alcohol (TAA)	8260B	15	J	ug/L	43
034	07303 DW-1	Aqueous	tert-Amyl methyl ether	8260B	1.2	J	ug/L	43
034	07303 DW-1	Aqueous	Diisopropyl ether (IPE)	8260B	1.3		ug/L	43
034	07303 DW-1	Aqueous	Methyl tertiary butyl ether	8260B	21		ug/L	43
034	07303 DW-1	Aqueous	tert-butyl alcohol (TBA)	8260B	23		ug/L	43
036	07303 MW-11	Aqueous	Methyl tertiary butyl ether	8260B	0.70	J	ug/L	45
037	07303 DW-11	Aqueous	tert-Amyl alcohol (TAA)	8260B	40		ug/L	46
037	07303 DW-11	Aqueous	tert-Amyl methyl ether	8260B	5.3	J	ug/L	46
037	07303 DW-11	Aqueous	Benzene	8260B	3.8		ug/L	46
037	07303 DW-11	Aqueous	Diisopropyl ether (IPE)	8260B	2.8		ug/L	46
037	07303 DW-11	Aqueous	Methyl tertiary butyl ether	8260B	37		ug/L	46
037	07303 DW-11	Aqueous	Naphthalene	8260B	0.48	J	ug/L	46
037	07303 DW-11	Aqueous	tert-butyl alcohol (TBA)	8260B	140		ug/L	46
039	07303 DW-2	Aqueous	Benzene	8260B	0.75	J	ug/L	48
039	07303 DW-2	Aqueous	Methyl tertiary butyl ether	8260B	6.3		ug/L	48
039	07303 DW-2	Aqueous	tert-butyl alcohol (TBA)	8260B	9.5	J	ug/L	48
040	07303 DW-7	Aqueous	Benzene	8260B	0.45	J	ug/L	49
040	07303 DW-7	Aqueous	Methyl tertiary butyl ether	8260B	4.1		ug/L	49
042	07303 MW-18	Aqueous	tert-Amyl methyl ether	8260B	0.60	J	ug/L	51
042	07303 MW-18	Aqueous	Methyl tertiary butyl ether	8260B	6.0		ug/L	51
042	07303 MW-18	Aqueous	tert-butyl alcohol (TBA)	8260B	12	J	ug/L	51
043	07303 DW-3	Aqueous	Methyl tertiary butyl ether	8260B	0.86	J	ug/L	52
044	07303 MW-13	Aqueous	Naphthalene	8260B	2.3		ug/L	53
044	07303 MW-13	Aqueous	Xylenes (total)	8260B	1.6		ug/L	53

Detection Summary (Continued)

Lot Number: UL06067

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
045	07303 MW-12	Aqueous	Methyl tertiary butyl ether	8260B	1.0		ug/L	54
046	07303 MW-16	Aqueous	Benzene	8260B	0.70	J	ug/L	55
046	07303 MW-16	Aqueous	Methyl tertiary butyl ether	8260B	1.5		ug/L	55
046	07303 MW-16	Aqueous	Naphthalene	8260B	2.8		ug/L	55
046	07303 MW-16	Aqueous	tert-butyl alcohol (TBA)	8260B	8.5	J	ug/L	55
047	07303 MW-19	Aqueous	tert-Amyl alcohol (TAA)	8260B	25		ug/L	56
047	07303 MW-19	Aqueous	Benzene	8260B	6.2		ug/L	56
047	07303 MW-19	Aqueous	Ethylbenzene	8260B	54		ug/L	56
047	07303 MW-19	Aqueous	Methyl tertiary butyl ether	8260B	1.7		ug/L	56
047	07303 MW-19	Aqueous	Naphthalene	8260B	110		ug/L	56
047	07303 MW-19	Aqueous	Toluene	8260B	210		ug/L	56
047	07303 MW-19	Aqueous	Xylenes (total)	8260B	1100		ug/L	56
047	07303 MW-19	Aqueous	1,2-Dibromoethane (EDB)	8011	0.44		ug/L	56
048	07303 MW-19 Dup	Aqueous	tert-Amyl alcohol (TAA)	8260B	19	J	ug/L	57
048	07303 MW-19 Dup	Aqueous	Benzene	8260B	6.0		ug/L	57
048	07303 MW-19 Dup	Aqueous	Ethylbenzene	8260B	55		ug/L	57
048	07303 MW-19 Dup	Aqueous	Methyl tertiary butyl ether	8260B	1.8		ug/L	57
048	07303 MW-19 Dup	Aqueous	Naphthalene	8260B	120		ug/L	57
048	07303 MW-19 Dup	Aqueous	Toluene	8260B	210		ug/L	57
048	07303 MW-19 Dup	Aqueous	Xylenes (total)	8260B	1000		ug/L	57
048	07303 MW-19 Dup	Aqueous	1,2-Dibromoethane (EDB)	8011	0.45		ug/L	57
049	07303 MW-17	Aqueous	Benzene	8260B	0.50	J	ug/L	58
049	07303 MW-17	Aqueous	Methyl tertiary butyl ether	8260B	1.0		ug/L	58
049	07303 MW-17	Aqueous	Naphthalene	8260B	2.2		ug/L	58
051	07303 MW-15	Aqueous	tert-Amyl alcohol (TAA)	8260B	130		ug/L	60
051	07303 MW-15	Aqueous	tert-Amyl methyl ether	8260B	2.9	J	ug/L	60
051	07303 MW-15	Aqueous	Benzene	8260B	64		ug/L	60
051	07303 MW-15	Aqueous	1,2-Dichloroethane	8260B	2.2	J	ug/L	60
051	07303 MW-15	Aqueous	Ethylbenzene	8260B	270		ug/L	60
051	07303 MW-15	Aqueous	Methyl tertiary butyl ether	8260B	13		ug/L	60
051	07303 MW-15	Aqueous	Naphthalene	8260B	180		ug/L	60
051	07303 MW-15	Aqueous	tert-butyl alcohol (TBA)	8260B	320		ug/L	60
051	07303 MW-15	Aqueous	Toluene	8260B	63		ug/L	60
051	07303 MW-15	Aqueous	Xylenes (total)	8260B	1200		ug/L	60
052	07303 MW-27	Aqueous	tert-Amyl alcohol (TAA)	8260B	710		ug/L	61
052	07303 MW-27	Aqueous	tert-Amyl methyl ether	8260B	15	J	ug/L	61
052	07303 MW-27	Aqueous	Benzene	8260B	110		ug/L	61
052	07303 MW-27	Aqueous	Ethylbenzene	8260B	1800		ug/L	61
052	07303 MW-27	Aqueous	Methyl tertiary butyl ether	8260B	110		ug/L	61
052	07303 MW-27	Aqueous	Naphthalene	8260B	730		ug/L	61
052	07303 MW-27	Aqueous	tert-butyl alcohol (TBA)	8260B	1600		ug/L	61
052	07303 MW-27	Aqueous	Xylenes (total)	8260B	8100		ug/L	61
053	07303 MW-20	Aqueous	tert-Amyl alcohol (TAA)	8260B	510		ug/L	62
053	07303 MW-20	Aqueous	tert-Amyl methyl ether	8260B	17	J	ug/L	62
053	07303 MW-20	Aqueous	Benzene	8260B	160		ug/L	62
053	07303 MW-20	Aqueous	Ethylbenzene	8260B	360		ug/L	62
053	07303 MW-20	Aqueous	Methyl tertiary butyl ether	8260B	51		ug/L	62
053	07303 MW-20	Aqueous	Naphthalene	8260B	280		ug/L	62

Detection Summary (Continued)

Lot Number: UL06067

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
053	07303 MW-20	Aqueous	tert-butyl alcohol (TBA)	8260B	1700		ug/L	62
053	07303 MW-20	Aqueous	Toluene	8260B	1400		ug/L	62
053	07303 MW-20	Aqueous	Xylenes (total)	8260B	3600		ug/L	62
054	07303 RW-3	Aqueous	tert-Amyl alcohol (TAA)	8260B	1100	J	ug/L	63
054	07303 RW-3	Aqueous	tert-Amyl methyl ether	8260B	42	J	ug/L	63
054	07303 RW-3	Aqueous	Benzene	8260B	370		ug/L	63
054	07303 RW-3	Aqueous	Ethylbenzene	8260B	1400		ug/L	63
054	07303 RW-3	Aqueous	Methyl tertiary butyl ether	8260B	110		ug/L	63
054	07303 RW-3	Aqueous	Naphthalene	8260B	950		ug/L	63
054	07303 RW-3	Aqueous	tert-butyl alcohol (TBA)	8260B	2800		ug/L	63
054	07303 RW-3	Aqueous	Toluene	8260B	2600		ug/L	63
054	07303 RW-3	Aqueous	Xylenes (total)	8260B	11000		ug/L	63
054	07303 RW-3	Aqueous	1,2-Dibromoethane (EDB)	8011	4.2		ug/L	63
055	07303 RW-2	Aqueous	tert-Amyl alcohol (TAA)	8260B	1000	J	ug/L	64
055	07303 RW-2	Aqueous	tert-Amyl methyl ether	8260B	60	J	ug/L	64
055	07303 RW-2	Aqueous	Benzene	8260B	890		ug/L	64
055	07303 RW-2	Aqueous	Ethylbenzene	8260B	2300		ug/L	64
055	07303 RW-2	Aqueous	Methyl tertiary butyl ether	8260B	170		ug/L	64
055	07303 RW-2	Aqueous	Naphthalene	8260B	840		ug/L	64
055	07303 RW-2	Aqueous	tert-butyl alcohol (TBA)	8260B	2700		ug/L	64
055	07303 RW-2	Aqueous	Toluene	8260B	2100		ug/L	64
055	07303 RW-2	Aqueous	Xylenes (total)	8260B	11000		ug/L	64
055	07303 RW-2	Aqueous	1,2-Dibromoethane (EDB)	8011	0.031	P	ug/L	64
056	07303 RW-4	Aqueous	tert-Amyl alcohol (TAA)	8260B	8.2	J	ug/L	65
056	07303 RW-4	Aqueous	tert-Amyl methyl ether	8260B	0.95	J	ug/L	65
056	07303 RW-4	Aqueous	Benzene	8260B	16		ug/L	65
056	07303 RW-4	Aqueous	Diisopropyl ether (IPE)	8260B	1.6		ug/L	65
056	07303 RW-4	Aqueous	Ethylbenzene	8260B	20		ug/L	65
056	07303 RW-4	Aqueous	Methyl tertiary butyl ether	8260B	4.1		ug/L	65
056	07303 RW-4	Aqueous	Toluene	8260B	0.76	J	ug/L	65
056	07303 RW-4	Aqueous	Xylenes (total)	8260B	1.6		ug/L	65
057	07303 MW-9	Aqueous	tert-Amyl alcohol (TAA)	8260B	710		ug/L	66
057	07303 MW-9	Aqueous	tert-Amyl methyl ether	8260B	75	J	ug/L	66
057	07303 MW-9	Aqueous	Benzene	8260B	950		ug/L	66
057	07303 MW-9	Aqueous	Diisopropyl ether (IPE)	8260B	48		ug/L	66
057	07303 MW-9	Aqueous	Ethylbenzene	8260B	1100		ug/L	66
057	07303 MW-9	Aqueous	Methyl tertiary butyl ether	8260B	900		ug/L	66
057	07303 MW-9	Aqueous	Naphthalene	8260B	320		ug/L	66
057	07303 MW-9	Aqueous	tert-butyl alcohol (TBA)	8260B	1700		ug/L	66
057	07303 MW-9	Aqueous	Toluene	8260B	82		ug/L	66
057	07303 MW-9	Aqueous	Xylenes (total)	8260B	2500		ug/L	66
058	07303 MW-9 Dup	Aqueous	tert-Amyl alcohol (TAA)	8260B	710		ug/L	67
058	07303 MW-9 Dup	Aqueous	tert-Amyl methyl ether	8260B	77	J	ug/L	67
058	07303 MW-9 Dup	Aqueous	Benzene	8260B	980		ug/L	67
058	07303 MW-9 Dup	Aqueous	Diisopropyl ether (IPE)	8260B	50		ug/L	67
058	07303 MW-9 Dup	Aqueous	Ethylbenzene	8260B	1100		ug/L	67
058	07303 MW-9 Dup	Aqueous	Methyl tertiary butyl ether	8260B	1000		ug/L	67
058	07303 MW-9 Dup	Aqueous	Naphthalene	8260B	320		ug/L	67

Detection Summary (Continued)

Lot Number: UL06067

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
058	07303 MW-9 Dup	Aqueous	tert-butyl alcohol (TBA)	8260B	1700		ug/L	67
058	07303 MW-9 Dup	Aqueous	Toluene	8260B	80		ug/L	67
058	07303 MW-9 Dup	Aqueous	Xylenes (total)	8260B	2500		ug/L	67
059	07303 RW-4 Dup	Aqueous	tert-Amyl alcohol (TAA)	8260B	8.7	J	ug/L	68
059	07303 RW-4 Dup	Aqueous	tert-Amyl methyl ether	8260B	1.1	J	ug/L	68
059	07303 RW-4 Dup	Aqueous	Benzene	8260B	16		ug/L	68
059	07303 RW-4 Dup	Aqueous	Diisopropyl ether (IPE)	8260B	1.6		ug/L	68
059	07303 RW-4 Dup	Aqueous	Ethylbenzene	8260B	20		ug/L	68
059	07303 RW-4 Dup	Aqueous	Methyl tertiary butyl ether	8260B	4.2		ug/L	68
059	07303 RW-4 Dup	Aqueous	Toluene	8260B	0.68	J	ug/L	68
059	07303 RW-4 Dup	Aqueous	Xylenes (total)	8260B	1.6		ug/L	68

(152 detections)

Client: **Terry Environmental Services, Inc.** Laboratory ID: **UL06067-001**

Description: **07303 FB-1** Matrix: **Aqueous**

Date Sampled: **12/04/2019 1125**

Date Received: **12/06/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1459	ALR1		38272

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		109	70-130
Toluene-d8		109	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/09/2019 2245	DAL1	12/09/2019 0920	38294

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		96	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-40**
Date Sampled: **12/04/2019 1131**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-002**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1523	ALR1		38272

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		107	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/09/2019 2256	DAL1	12/09/2019 0920	38294

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		98	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-42**
Date Sampled: **12/04/2019 1144**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-003**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1546	ALR1		38272

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Bromofluorobenzene		109	70-130
Toluene-d8		108	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/09/2019 2306	DAL1	12/09/2019 0920	38294

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		90	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UL06067-004**

Description: **07303 SW-1** Matrix: **Aqueous**

Date Sampled: **12/04/2019 1221**

Date Received: **12/06/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1608	ALR1		38272

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**1.7**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		106	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/09/2019 2328	DAL1	12/09/2019 0920	38294

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		89	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Description: **07303 SW-2**
Date Sampled: **12/04/2019 1226**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-005**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1631	ALR1		38272

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	70-130
Bromofluorobenzene		109	70-130
Toluene-d8		108	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/09/2019 2338	DAL1	12/09/2019 0920	38294

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		75	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-48**
Date Sampled: **12/04/2019 1300**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-006**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1654	ALR1		38272

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**6.6**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Bromofluorobenzene		112	70-130
Toluene-d8		109	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/09/2019 2349	DAL1	12/09/2019 0920	38294

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		74	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-47**
Date Sampled: **12/04/2019 1320**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-007**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1717	ALR1		38272

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		109	70-130
Toluene-d8		108	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/10/2019 0000	DAL1	12/09/2019 0920	38294

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		90	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-45**
Date Sampled: **12/04/2019 1345**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-008**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1739	ALR1		38272

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		109	70-130
Toluene-d8		107	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/10/2019 0011	DAL1	12/09/2019 0920	38294

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		94	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-46**
Date Sampled: **12/04/2019 1350**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-009**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1802	ALR1		38272

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	70-130
Bromofluorobenzene		110	70-130
Toluene-d8		108	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/10/2019 0021	DAL1	12/09/2019 0920	38294

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		89	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UL06067-010**

Description: **07303 DW-5** Matrix: **Aqueous**

Date Sampled: **12/04/2019 1441**

Date Received: **12/06/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1824	ALR1		38272

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		111	70-130
Toluene-d8		108	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/10/2019 0032	DAL1	12/09/2019 0920	38294

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		113	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-41**
Date Sampled: **12/04/2019 1446**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-011**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1847	ALR1		38272

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		107	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/10/2019 0043	DAL1	12/09/2019 0920	38294

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		98	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-43**
Date Sampled: **12/04/2019 1508**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-012**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1910	ALR1		38272

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		109	70-130
Toluene-d8		108	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/10/2019 2213	DAL1	12/09/2019 0920	38295

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		95	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-23**
Date Sampled: **12/04/2019 1513**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-013**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1932	ALR1		38272

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		110	70-130
Toluene-d8		108	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/10/2019 2235	DAL1	12/09/2019 0920	38295

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		95	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-28**
Date Sampled: **12/04/2019 1531**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-014**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1956	ALR1		38272

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		108	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/10/2019 2256	DAL1	12/09/2019 0920	38295

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		111	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-25**
Date Sampled: **12/04/2019 1542**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-015**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 2018	ALR1		38272

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		106	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/10/2019 2307	DAL1	12/09/2019 0920	38295

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		82	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-39**
Date Sampled: **12/04/2019 1548**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-016**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 2041	ALR1		38272

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		112	70-130
Toluene-d8		110	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/10/2019 2318	DAL1	12/09/2019 0920	38295

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		94	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-21**
Date Sampled: **12/04/2019 1608**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-017**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 2104	ALR1		38272

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		105	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/10/2019 2328	DAL1	12/09/2019 0920	38295

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		98	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-14**
Date Sampled: **12/04/2019 1619**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-018**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 2126	ALR1		38272

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**1.1**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		109	70-130
Toluene-d8		108	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/10/2019 2339	DAL1	12/09/2019 0920	38295

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		84	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-38**
Date Sampled: **12/04/2019 1643**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-019**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1534	ALR1		38273

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		104	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/10/2019 2350	DAL1	12/09/2019 0920	38295

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		90	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-37**
Date Sampled: **12/04/2019 1657**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-020**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1559	ALR1		38273

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		104	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0001	DAL1	12/09/2019 0920	38295

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		86	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-36**
Date Sampled: **12/04/2019 1708**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-021**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1625	ALR1		38273

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		103	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0011	DAL1	12/09/2019 0920	38295

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		78	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 FB-2**
Date Sampled: **12/05/2019 0750**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-022**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1509	ALR1		38273

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		103	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0022	DAL1	12/09/2019 0920	38295

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		92	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-33**
Date Sampled: **12/05/2019 0830**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-023**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1650	ALR1		38273

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		104	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0032	DAL1	12/09/2019 0920	38295

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		92	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UL06067-024**

Description: **07303 DW-9** Matrix: **Aqueous**

Date Sampled: **12/05/2019 0834**

Date Received: **12/06/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1715	ALR1		38273

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	**64-17-5**	**8260B**	**52**	**J**	**100**	**52**	**ug/L**	**1**
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		102	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0043	DAL1	12/09/2019 0920	38295

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		109	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-32**
Date Sampled: **12/05/2019 0840**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-025**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1741	ALR1		38273

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		104	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0054	DAL1	12/09/2019 0920	38295

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		100	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-31**
Date Sampled: **12/05/2019 0845**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-026**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1806	ALR1		38273

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		103	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0105	DAL1	12/09/2019 0920	38295

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		108	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-34**
Date Sampled: **12/05/2019 0900**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-027**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1832	ALR1		38273

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		102	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0115	DAL1	12/09/2019 0920	38295

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		86	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 DW-10**
Date Sampled: **12/05/2019 0926**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-028**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1858	ALR1		38273

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		110	70-130
Toluene-d8		103	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0126	DAL1	12/09/2019 0920	38295

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		119	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-35**
Date Sampled: **12/05/2019 0930**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-029**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1924	ALR1		38273

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		103	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0137	DAL1	12/09/2019 0920	38295

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		96	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-26**
Date Sampled: **12/05/2019 1010**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-030**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 1949	ALR1		38273

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	**71-43-2**	**8260B**	**1.8**		**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**0.69**	**J**	**1.0**	**0.40**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	**91-20-3**	**8260B**	**2.7**		**1.0**	**0.40**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	**1330-20-7**	**8260B**	**1.6**		**1.0**	**0.40**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		109	70-130
Toluene-d8		103	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0148	DAL1	12/09/2019 0920	38295

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		103	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UL06067-031**

Description: **07303 DW-6** Matrix: **Aqueous**

Date Sampled: **12/05/2019 1028**

Date Received: **12/06/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 2015	ALR1		38273

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	**64-17-5**	**8260B**	**94**	**J**	**100**	**52**	**ug/L**	**1**
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		103	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0159	DAL1	12/09/2019 0920	38295

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		109	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-29**
Date Sampled: **12/05/2019 1035**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-032**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 2040	ALR1		38273

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**36**		**20**	**8.0**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**1.1**	**J**	**10**	**0.42**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**17**		**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	**107-06-2**	**8260B**	**1.2**		**1.0**	**0.40**	**ug/L**	**1**
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**1.9**		**1.0**	**0.40**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**36**		**1.0**	**0.40**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**8.0**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**32**		**1.0**	**0.40**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**37**		**20**	**8.0**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**18**		**1.0**	**0.40**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**140**		**1.0**	**0.40**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	70-130
Bromofluorobenzene		109	70-130
Toluene-d8		106	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0241	DAL1	12/09/2019 1444	38370

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		107	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-22**
Date Sampled: **12/05/2019 1055**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-033**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 2105	ALR1		38273

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**0.41**	**J**	**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-130
Bromofluorobenzene		109	70-130
Toluene-d8		104	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0303	DAL1	12/09/2019 1444	38370

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		108	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UL06067-034**

Description: **07303 DW-1** Matrix: **Aqueous**

Date Sampled: **12/05/2019 1102**

Date Received: **12/06/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2019 2130	ALR1		38273

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**15**	**J**	**20**	**8.0**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**1.2**	**J**	**10**	**0.42**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**1.3**		**1.0**	**0.40**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**21**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**23**		**20**	**8.0**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-130
Bromofluorobenzene		109	70-130
Toluene-d8		104	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0324	DAL1	12/09/2019 1444	38370

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		106	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-24**
Date Sampled: **12/05/2019 1111**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-035**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/09/2019 1252	BWS		38348

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		108	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0335	DAL1	12/09/2019 1444	38370

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		106	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Laboratory ID: **UL06067-036**
Description: **07303 MW-11**
Matrix: **Aqueous**
Date Sampled: **12/05/2019 1156**
Date Received: **12/06/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/09/2019 1315	BWS		38348

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**0.70**	**J**	**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		108	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0346	DAL1	12/09/2019 1444	38370

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		106	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UL06067-037**

Description: **07303 DW-11** Matrix: **Aqueous**

Date Sampled: **12/05/2019 1214**

Date Received: **12/06/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/09/2019 1337	BWS		38348

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**40**		**20**	**8.0**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**5.3**	**J**	**10**	**0.42**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**3.8**		**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**2.8**		**1.0**	**0.40**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**37**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**0.48**	**J**	**1.0**	**0.40**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**140**		**20**	**8.0**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		108	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0356	DAL1	12/09/2019 1444	38370

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		105	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-3**
Date Sampled: **12/05/2019 1344**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-038**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/09/2019 1400	BWS		38348

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		107	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0407	DAL1	12/09/2019 1444	38370

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		98	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 DW-2**
Date Sampled: **12/05/2019 1410**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-039**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/09/2019 1422	BWS		38348

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.75**	**J**	**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**6.3**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**9.5**	**J**	**20**	**8.0**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		108	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0418	DAL1	12/09/2019 1444	38370

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		98	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UL06067-040**

Description: **07303 DW-7** Matrix: **Aqueous**

Date Sampled: **12/05/2019 1450**

Date Received: **12/06/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/09/2019 1445	BWS		38348

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.45**	**J**	**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**4.1**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		107	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0429	DAL1	12/09/2019 1444	38370

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		111	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-5R**
Date Sampled: **12/05/2019 1459**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-041**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/09/2019 1507	BWS		38348

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		109	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0439	DAL1	12/09/2019 1444	38370

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		127	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-18**
Date Sampled: **12/05/2019 1530**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-042**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/09/2019 1530	BWS		38348

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**0.60**	**J**	**10**	**0.42**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**6.0**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**12**	**J**	**20**	**8.0**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		108	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0450	DAL1	12/09/2019 1444	38370

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		112	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 DW-3**
Date Sampled: **12/05/2019 1543**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-043**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/09/2019 1553	BWS		38348

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**0.86**	**J**	**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		109	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0501	DAL1	12/09/2019 1444	38370

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		104	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-13**
Date Sampled: **12/05/2019 1615**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-044**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/09/2019 1615	BWS		38348

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	**91-20-3**	**8260B**	**2.3**		**1.0**	**0.40**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	**1330-20-7**	**8260B**	**1.6**		**1.0**	**0.40**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		108	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0511	DAL1	12/09/2019 1444	38370

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		102	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-12**
Date Sampled: **12/05/2019 1635**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-045**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/09/2019 1638	BWS		38348

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**1.0**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		110	70-130
Toluene-d8		109	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0522	DAL1	12/09/2019 1444	38370

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		107	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-16**
Date Sampled: **12/05/2019 1638**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-046**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/09/2019 1701	BWS		38348

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.70**	**J**	**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**1.5**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**2.8**		**1.0**	**0.40**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**8.5**	**J**	**20**	**8.0**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		108	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0533	DAL1	12/09/2019 1444	38370

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		75	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-19**
Date Sampled: **12/05/2019 1740**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-047**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	10	12/10/2019 0345	ALR1		38421
2	5030B	8260B	1	12/10/2019 2232	ALR1		38581

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**25**		**20**	**8.0**	**ug/L**	**2**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	2
Benzene	**71-43-2**	**8260B**	**6.2**		**1.0**	**0.40**	**ug/L**	**2**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	2
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	2
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	2
Ethanol	64-17-5	8260B	ND		100	52	ug/L	2
Ethylbenzene	**100-41-4**	**8260B**	**54**		**1.0**	**0.40**	**ug/L**	**2**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	2
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**1.7**		**1.0**	**0.40**	**ug/L**	**2**
Naphthalene	**91-20-3**	**8260B**	**110**		**1.0**	**0.40**	**ug/L**	**2**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	2
Toluene	**108-88-3**	**8260B**	**210**		**10**	**4.0**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**1100**		**10**	**4.0**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130		98	70-130
Bromofluorobenzene		105	70-130		107	70-130
Toluene-d8		104	70-130		104	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0544	DAL1	12/09/2019 1444	38370

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**0.44**		**0.019**	**0.019**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		102	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UL06067-048**

Description: **07303 MW-19 Dup** Matrix: **Aqueous**

Date Sampled: **12/05/2019 1742**

Date Received: **12/06/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	10	12/10/2019 0411	ALR1		38421
2	5030B	8260B	1	12/10/2019 2257	ALR1		38581

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**19**	**J**	**20**	**8.0**	**ug/L**	**2**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	2
Benzene	**71-43-2**	**8260B**	**6.0**		**1.0**	**0.40**	**ug/L**	**2**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	2
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	2
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	2
Ethanol	64-17-5	8260B	ND		100	52	ug/L	2
Ethylbenzene	**100-41-4**	**8260B**	**55**		**1.0**	**0.40**	**ug/L**	**2**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	2
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**1.8**		**1.0**	**0.40**	**ug/L**	**2**
Naphthalene	**91-20-3**	**8260B**	**120**		**1.0**	**0.40**	**ug/L**	**2**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	2
Toluene	**108-88-3**	**8260B**	**210**		**10**	**4.0**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**1000**		**10**	**4.0**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130		99	70-130
Bromofluorobenzene		106	70-130		109	70-130
Toluene-d8		102	70-130		104	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0554	DAL1	12/09/2019 1444	38370

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**0.45**		**0.020**	**0.020**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		101	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-17**
Date Sampled: **12/05/2019 1743**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-049**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/09/2019 1724	BWS		38348

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.50**	**J**	**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**1.0**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**2.2**		**1.0**	**0.40**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		110	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0605	DAL1	12/09/2019 1444	38370

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		72	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UL06067-050**

Description: **07303 FB-3** Matrix: **Aqueous**

Date Sampled: **12/06/2019 0750**

Date Received: **12/06/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/09/2019 1145	BWS		38348

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		109	70-130
Toluene-d8		107	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0616	DAL1	12/09/2019 1444	38370

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		94	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UL06067-051**

Description: **07303 MW-15** Matrix: **Aqueous**

Date Sampled: **12/06/2019 0751**

Date Received: **12/06/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	10	12/10/2019 0436	ALR1		38421
2	5030B	8260B	5	12/10/2019 2322	ALR1		38581

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**130**		**100**	**40**	**ug/L**	**2**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**2.9**	**J**	**50**	**2.1**	**ug/L**	**2**
Benzene	**71-43-2**	**8260B**	**64**		**5.0**	**2.0**	**ug/L**	**2**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		25	10	ug/L	2
1,2-Dichloroethane	**107-06-2**	**8260B**	**2.2**	**J**	**5.0**	**2.0**	**ug/L**	**2**
Diisopropyl ether (IPE)	108-20-3	8260B	ND		5.0	2.0	ug/L	2
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	40	ug/L	2
Ethanol	64-17-5	8260B	ND		500	260	ug/L	2
Ethylbenzene	**100-41-4**	**8260B**	**270**		**5.0**	**2.0**	**ug/L**	**2**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		5.0	2.0	ug/L	2
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**13**		**5.0**	**2.0**	**ug/L**	**2**
Naphthalene	**91-20-3**	**8260B**	**180**		**5.0**	**2.0**	**ug/L**	**2**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**320**		**100**	**40**	**ug/L**	**2**
Toluene	**108-88-3**	**8260B**	**63**		**5.0**	**2.0**	**ug/L**	**2**
Xylenes (total)	**1330-20-7**	**8260B**	**1200**		**10**	**4.0**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Run 1 Acceptance Limits	Q	Run 2 % Recovery	Run 2 Acceptance Limits
1,2-Dichloroethane-d4		98	70-130		98	70-130
Bromofluorobenzene		105	70-130		107	70-130
Toluene-d8		103	70-130		104	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0627	DAL1	12/09/2019 1444	38370

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Run 1 Acceptance Limits
1,1,1,2-Tetrachloroethane		94	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-27**
Date Sampled: **12/06/2019 0809**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-052**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	12/09/2019 1831	BWS		38348
2	5030B	8260B	20	12/10/2019 2347	ALR1		38581

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**710**		**400**	**160**	**ug/L**	**2**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**15**	**J**	**200**	**8.4**	**ug/L**	**2**
Benzene	**71-43-2**	**8260B**	**110**		**20**	**8.0**	**ug/L**	**2**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	40	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	ND		20	8.0	ug/L	2
Diisopropyl ether (IPE)	108-20-3	8260B	ND		20	8.0	ug/L	2
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		400	160	ug/L	2
Ethanol	64-17-5	8260B	ND		2000	1000	ug/L	2
Ethylbenzene	**100-41-4**	**8260B**	**1800**		**20**	**8.0**	**ug/L**	**2**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		20	8.0	ug/L	2
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**110**		**20**	**8.0**	**ug/L**	**2**
Naphthalene	**91-20-3**	**8260B**	**730**		**20**	**8.0**	**ug/L**	**2**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**1600**		**400**	**160**	**ug/L**	**2**
Toluene	108-88-3	8260B	ND		20	8.0	ug/L	2
Xylenes (total)	**1330-20-7**	**8260B**	**8100**		**100**	**40**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Run 1 Acceptance Limits	Q	Run 2 % Recovery	Run 2 Acceptance Limits
1,2-Dichloroethane-d4		101	70-130		99	70-130
Bromofluorobenzene		105	70-130		108	70-130
Toluene-d8		106	70-130		104	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0710	DAL1	12/09/2019 1504	38371

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Run 1 Acceptance Limits
1,1,1,2-Tetrachloroethane		111	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-20**
Date Sampled: **12/06/2019 0820**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-053**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	12/10/2019 0527	ALR1		38421

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**510**		**400**	**160**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**17**	**J**	**200**	**8.4**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**160**		**20**	**8.0**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	40	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		20	8.0	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		20	8.0	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		400	160	ug/L	1
Ethanol	64-17-5	8260B	ND		2000	1000	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**360**		**20**	**8.0**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		20	8.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**51**		**20**	**8.0**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**280**		**20**	**8.0**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**1700**		**400**	**160**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**1400**		**20**	**8.0**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**3600**		**20**	**8.0**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		103	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0720	DAL1	12/09/2019 1504	38371

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		66	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UL06067-054**

Description: **07303 RW-3** Matrix: **Aqueous**

Date Sampled: **12/06/2019 0830**

Date Received: **12/06/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	12/09/2019 1931	BWS		38347

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**1100**	**J**	**2000**	**800**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**42**	**J**	**1000**	**42**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**370**		**100**	**40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		500	200	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		100	40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		100	40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		2000	800	ug/L	1
Ethanol	64-17-5	8260B	ND		10000	5200	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**1400**		**100**	**40**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**110**		**100**	**40**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**950**		**100**	**40**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**2800**		**2000**	**800**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**2600**		**100**	**40**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**11000**		**100**	**40**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		104	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	10	12/11/2019 1153	DAL1	12/09/2019 1504	38371

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**4.2**		**0.20**	**0.20**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		123	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **UL06067-055**

Description: **07303 RW-2** Matrix: **Aqueous**

Date Sampled: **12/06/2019 0840**

Date Received: **12/06/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	12/10/2019 0644	ALR1		38421

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**1000**	**J**	**2000**	**800**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**60**	**J**	**1000**	**42**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**890**		**100**	**40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		500	200	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		100	40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		100	40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		2000	800	ug/L	1
Ethanol	64-17-5	8260B	ND		10000	5200	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**2300**		**100**	**40**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**170**		**100**	**40**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**840**		**100**	**40**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**2700**		**2000**	**800**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**2100**		**100**	**40**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**11000**		**100**	**40**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		103	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 1214	DAL1	12/09/2019 1504	38371

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**0.031**	**P**	**0.019**	**0.019**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		105	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
H = Out of holding time
W = Reported on wet weight basis

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Client: **Terry Environmental Services, Inc.**
Description: **07303 RW-4**
Date Sampled: **12/06/2019 0910**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-056**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/09/2019 1746	BWS		38348

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**8.2**	**J**	**20**	**8.0**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**0.95**	**J**	**10**	**0.42**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**16**		**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**1.6**		**1.0**	**0.40**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**20**		**1.0**	**0.40**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**4.1**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	**108-88-3**	**8260B**	**0.76**	**J**	**1.0**	**0.40**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**1.6**		**1.0**	**0.40**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		105	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0803	DAL1	12/09/2019 1504	38371

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.020	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		122	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-9**
Date Sampled: **12/06/2019 0931**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-057**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	12/10/2019 0553	ALR1		38421

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**710**		**400**	**160**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**75**	**J**	**200**	**8.4**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**950**		**20**	**8.0**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	40	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		20	8.0	ug/L	1
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**48**		**20**	**8.0**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		400	160	ug/L	1
Ethanol	64-17-5	8260B	ND		2000	1000	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**1100**		**20**	**8.0**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		20	8.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**900**		**20**	**8.0**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**320**		**20**	**8.0**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**1700**		**400**	**160**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**82**		**20**	**8.0**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**2500**		**20**	**8.0**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		104	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0825	DAL1	12/09/2019 1504	38371

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		128	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-9 Dup**
Date Sampled: **12/06/2019 0933**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-058**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	12/10/2019 0618	ALR1		38421

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**710**		**400**	**160**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**77**	**J**	**200**	**8.4**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**980**		**20**	**8.0**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	40	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		20	8.0	ug/L	1
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**50**		**20**	**8.0**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		400	160	ug/L	1
Ethanol	64-17-5	8260B	ND		2000	1000	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**1100**		**20**	**8.0**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		20	8.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**1000**		**20**	**8.0**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**320**		**20**	**8.0**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**1700**		**400**	**160**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**80**		**20**	**8.0**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**2500**		**20**	**8.0**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		103	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0835	DAL1	12/09/2019 1504	38371

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		99	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 RW-4 Dup**
Date Sampled: **12/06/2019 0912**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-059**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/09/2019 1809	BWS		38348

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**8.7**	**J**	**20**	**8.0**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**1.1**	**J**	**10**	**0.42**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**16**		**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**1.6**		**1.0**	**0.40**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**20**		**1.0**	**0.40**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**4.2**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	**108-88-3**	**8260B**	**0.68**	**J**	**1.0**	**0.40**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**1.6**		**1.0**	**0.40**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		106	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0846	DAL1	12/09/2019 1504	38371

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		110	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Laboratory ID: **UL06067-060**
Description: **07303 Trip Blank**
Matrix: **Aqueous**
Date Sampled: **12/04/2019**
Date Received: **12/06/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/09/2019 1207	BWS		38348

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		107	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Laboratory ID: **UL06067-061**
Description: **07303 Trip Blank 2**
Matrix: **Aqueous**
Date Sampled: **12/04/2019**
Date Received: **12/06/2019**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/09/2019 1230	BWS		38348

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		108	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-30**
Date Sampled: **12/05/2019 1716**
Date Received: **12/06/2019**

Laboratory ID: **UL06067-062**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/09/2019 1218	BWS		38347

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		104	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/11/2019 0857	DAL1	12/09/2019 1504	38371

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.019	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		109	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL

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QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: UQ38272-001
Batch: 38272
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	12/08/2019 1359
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	12/08/2019 1359
Benzene	ND		1	1.0	0.40	ug/L	12/08/2019 1359
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	12/08/2019 1359
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	12/08/2019 1359
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	12/08/2019 1359
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	12/08/2019 1359
Ethanol	ND		1	100	52	ug/L	12/08/2019 1359
Ethylbenzene	ND		1	1.0	0.40	ug/L	12/08/2019 1359
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	12/08/2019 1359
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	12/08/2019 1359
Naphthalene	ND		1	1.0	0.40	ug/L	12/08/2019 1359
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	12/08/2019 1359
Toluene	ND		1	1.0	0.40	ug/L	12/08/2019 1359
Xylenes (total)	ND		1	1.0	0.40	ug/L	12/08/2019 1359

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		110	70-130
Toluene-d8		107	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ38272-002
Batch: 38272
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1100		1	111	70-130	12/08/2019 1255
tert-Amyl methyl ether (TAME)	50	52		1	104	70-130	12/08/2019 1255
Benzene	50	53		1	106	70-130	12/08/2019 1255
tert-Butyl formate (TBF)	250	290		1	115	70-130	12/08/2019 1255
1,2-Dichloroethane	50	50		1	100	70-130	12/08/2019 1255
Diisopropyl ether (IPE)	50	58		1	117	70-130	12/08/2019 1255
3,3-Dimethyl-1-butanol	1000	1200		1	115	70-130	12/08/2019 1255
Ethanol	5000	6000		1	121	70-130	12/08/2019 1255
Ethylbenzene	50	55		1	109	70-130	12/08/2019 1255
Ethyl-tert-butyl ether (ETBE)	50	56		1	112	70-130	12/08/2019 1255
Methyl tertiary butyl ether (MTBE)	50	53		1	106	70-130	12/08/2019 1255

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ38272-002
Batch: 38272
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Naphthalene	50	59		1	117	70-130	12/08/2019 1255
tert-butyl alcohol (TBA)	1000	1100		1	111	70-130	12/08/2019 1255
Toluene	50	53		1	107	70-130	12/08/2019 1255
Xylenes (total)	100	110		1	107	70-130	12/08/2019 1255

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		87	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		104	70-130

Volatile Organic Compounds by GC/MS - MB

Sample ID: UQ38273-001
Batch: 38273
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	12/08/2019 1427
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	12/08/2019 1427
Benzene	ND		1	1.0	0.40	ug/L	12/08/2019 1427
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	12/08/2019 1427
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	12/08/2019 1427
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	12/08/2019 1427
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	12/08/2019 1427
Ethanol	ND		1	100	52	ug/L	12/08/2019 1427
Ethylbenzene	ND		1	1.0	0.40	ug/L	12/08/2019 1427
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	12/08/2019 1427
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	12/08/2019 1427
Naphthalene	ND		1	1.0	0.40	ug/L	12/08/2019 1427
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	12/08/2019 1427
Toluene	ND		1	1.0	0.40	ug/L	12/08/2019 1427
Xylenes (total)	ND		1	1.0	0.40	ug/L	12/08/2019 1427

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		104	70-130

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ38273-002
Batch: 38273
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1200		1	118	70-130	12/08/2019 1324
tert-Amyl methyl ether (TAME)	50	56		1	111	70-130	12/08/2019 1324
Benzene	50	56		1	111	70-130	12/08/2019 1324
tert-Butyl formate (TBF)	250	260		1	104	70-130	12/08/2019 1324
1,2-Dichloroethane	50	55		1	110	70-130	12/08/2019 1324
Diisopropyl ether (IPE)	50	60		1	119	70-130	12/08/2019 1324
3,3-Dimethyl-1-butanol	1000	1200		1	121	70-130	12/08/2019 1324
Ethanol	5000	5500		1	110	70-130	12/08/2019 1324
Ethylbenzene	50	57		1	114	70-130	12/08/2019 1324
Ethyl-tert-butyl ether (ETBE)	50	57		1	113	70-130	12/08/2019 1324
Methyl tertiary butyl ether (MTBE)	50	52		1	104	70-130	12/08/2019 1324
Naphthalene	50	57		1	113	70-130	12/08/2019 1324
tert-butyl alcohol (TBA)	1000	1200		1	115	70-130	12/08/2019 1324
Toluene	50	57		1	113	70-130	12/08/2019 1324
Xylenes (total)	100	110		1	114	70-130	12/08/2019 1324

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		103	70-130

Volatile Organic Compounds by GC/MS - MB

Sample ID: UQ38347-001
Batch: 38347
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	12/09/2019 1051
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	12/09/2019 1051
Benzene	ND		1	1.0	0.40	ug/L	12/09/2019 1051
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	12/09/2019 1051
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	12/09/2019 1051
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	12/09/2019 1051
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	12/09/2019 1051
Ethanol	ND		1	100	52	ug/L	12/09/2019 1051
Ethylbenzene	ND		1	1.0	0.40	ug/L	12/09/2019 1051
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	12/09/2019 1051
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	12/09/2019 1051

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: UQ38347-001
Batch: 38347
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
Naphthalene	ND		1	1.0	0.40	ug/L	12/09/2019 1051
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	12/09/2019 1051
Toluene	ND		1	1.0	0.40	ug/L	12/09/2019 1051
Xylenes (total)	ND		1	1.0	0.40	ug/L	12/09/2019 1051

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		104	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ38347-002
Batch: 38347
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1100		1	106	70-130	12/09/2019 1000
tert-Amyl methyl ether (TAME)	50	53		1	107	70-130	12/09/2019 1000
Benzene	50	53		1	106	70-130	12/09/2019 1000
tert-Butyl formate (TBF)	250	250		1	101	70-130	12/09/2019 1000
1,2-Dichloroethane	50	53		1	105	70-130	12/09/2019 1000
Diisopropyl ether (IPE)	50	58		1	115	70-130	12/09/2019 1000
3,3-Dimethyl-1-butanol	1000	1200		1	115	70-130	12/09/2019 1000
Ethanol	5000	5400		1	108	70-130	12/09/2019 1000
Ethylbenzene	50	54		1	109	70-130	12/09/2019 1000
Ethyl-tert-butyl ether (ETBE)	50	55		1	109	70-130	12/09/2019 1000
Methyl tertiary butyl ether (MTBE)	50	51		1	103	70-130	12/09/2019 1000
Naphthalene	50	56		1	112	70-130	12/09/2019 1000
tert-butyl alcohol (TBA)	1000	1100		1	106	70-130	12/09/2019 1000
Toluene	50	54		1	108	70-130	12/09/2019 1000
Xylenes (total)	100	110		1	109	70-130	12/09/2019 1000

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		104	70-130

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: UL06067-054MS
Batch: 38347
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1100	100000	120000		100	117	70-130	12/09/2019 1956
tert-Amyl methyl ether (TAME)	42	5000	5600		100	112	70-130	12/09/2019 1956
Benzene	370	5000	6100		100	115	70-130	12/09/2019 1956
tert-Butyl formate (TBF)	ND	25000	24000		100	94	70-130	12/09/2019 1956
1,2-Dichloroethane	ND	5000	5700		100	114	70-130	12/09/2019 1956
Diisopropyl ether (IPE)	ND	5000	6100		100	121	70-130	12/09/2019 1956
3,3-Dimethyl-1-butanol	ND	100000	130000		100	129	70-130	12/09/2019 1956
Ethanol	ND	500000	590000		100	117	70-130	12/09/2019 1956
Ethylbenzene	1400	5000	7000		100	112	70-130	12/09/2019 1956
Ethyl-tert-butyl ether (ETBE)	ND	5000	5700		100	115	70-130	12/09/2019 1956
Methyl tertiary butyl ether (MTBE)	110	5000	5400		100	107	70-130	12/09/2019 1956
Naphthalene	950	5000	6700		100	114	70-130	12/09/2019 1956
tert-butyl alcohol (TBA)	2800	100000	120000		100	118	70-130	12/09/2019 1956
Toluene	2600	5000	8300		100	113	70-130	12/09/2019 1956
Xylenes (total)	11000	10000	21000		100	108	70-130	12/09/2019 1956

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		104	70-130

Volatile Organic Compounds by GC/MS - MSD

Sample ID: UL06067-054MD
Batch: 38347
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	1100	100000	110000		100	113	3.2	70-130	20	12/09/2019 2022
tert-Amyl methyl ether (TAME)	42	5000	5500		100	109	3.0	70-130	20	12/09/2019 2022
Benzene	370	5000	6000		100	112	2.1	70-130	20	12/09/2019 2022
tert-Butyl formate (TBF)	ND	25000	23000		100	92	2.6	70-130	20	12/09/2019 2022
1,2-Dichloroethane	ND	5000	5500		100	109	4.0	70-130	20	12/09/2019 2022
Diisopropyl ether (IPE)	ND	5000	6000		100	119	1.7	70-130	20	12/09/2019 2022
3,3-Dimethyl-1-butanol	ND	100000	120000		100	120	7.2	70-130	20	12/09/2019 2022
Ethanol	ND	500000	540000		100	109	7.6	70-130	20	12/09/2019 2022
Ethylbenzene	1400	5000	7200		100	115	2.1	70-130	20	12/09/2019 2022
Ethyl-tert-butyl ether (ETBE)	ND	5000	5600		100	111	3.1	70-130	20	12/09/2019 2022
Methyl tertiary butyl ether (MTBE)	110	5000	5300		100	103	3.5	70-130	20	12/09/2019 2022

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Volatile Organic Compounds by GC/MS - MSD

Sample ID: UL06067-054MD
Batch: 38347
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Naphthalene	950	5000	6500		100	110	3.2	70-130	20	12/09/2019 2022
tert-butyl alcohol (TBA)	2800	100000	120000		100	113	3.7	70-130	20	12/09/2019 2022
Toluene	2600	5000	8300		100	113	0.36	70-130	20	12/09/2019 2022
Xylenes (total)	11000	10000	22000		100	110	0.81	70-130	20	12/09/2019 2022

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		103	70-130

Volatile Organic Compounds by GC/MS - MB

Sample ID: UQ38348-001
Batch: 38348
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	12/09/2019 1046
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	12/09/2019 1046
Benzene	ND		1	1.0	0.40	ug/L	12/09/2019 1046
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	12/09/2019 1046
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	12/09/2019 1046
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	12/09/2019 1046
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	12/09/2019 1046
Ethanol	ND		1	100	52	ug/L	12/09/2019 1046
Ethylbenzene	ND		1	1.0	0.40	ug/L	12/09/2019 1046
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	12/09/2019 1046
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	12/09/2019 1046
Naphthalene	ND		1	1.0	0.40	ug/L	12/09/2019 1046
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	12/09/2019 1046
Toluene	ND		1	1.0	0.40	ug/L	12/09/2019 1046
Xylenes (total)	ND		1	1.0	0.40	ug/L	12/09/2019 1046

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		111	70-130
Toluene-d8		108	70-130

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ38348-002
Batch: 38348
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1100		1	115	70-130	12/09/2019 1001
tert-Amyl methyl ether (TAME)	50	56		1	112	70-130	12/09/2019 1001
Benzene	50	56		1	112	70-130	12/09/2019 1001
tert-Butyl formate (TBF)	250	300		1	120	70-130	12/09/2019 1001
1,2-Dichloroethane	50	56		1	112	70-130	12/09/2019 1001
Diisopropyl ether (IPE)	50	62		1	123	70-130	12/09/2019 1001
3,3-Dimethyl-1-butanol	1000	1200		1	118	70-130	12/09/2019 1001
Ethanol	5000	6000		1	119	70-130	12/09/2019 1001
Ethylbenzene	50	59		1	117	70-130	12/09/2019 1001
Ethyl-tert-butyl ether (ETBE)	50	58		1	116	70-130	12/09/2019 1001
Methyl tertiary butyl ether (MTBE)	50	55		1	110	70-130	12/09/2019 1001
Naphthalene	50	59		1	117	70-130	12/09/2019 1001
tert-butyl alcohol (TBA)	1000	1100		1	113	70-130	12/09/2019 1001
Toluene	50	57		1	115	70-130	12/09/2019 1001
Xylenes (total)	100	120		1	115	70-130	12/09/2019 1001

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		93	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		104	70-130

Volatile Organic Compounds by GC/MS - MS

Sample ID: UL06067-052MS
Batch: 38348
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	ND	100000	110000		100	112	70-130	12/09/2019 1854
tert-Amyl methyl ether (TAME)	ND	5000	5400		100	107	70-130	12/09/2019 1854
Benzene	120	5000	5600		100	111	70-130	12/09/2019 1854
tert-Butyl formate (TBF)	ND	25000	27000		100	107	70-130	12/09/2019 1854
1,2-Dichloroethane	ND	5000	5400		100	108	70-130	12/09/2019 1854
Diisopropyl ether (IPE)	ND	5000	5900		100	117	70-130	12/09/2019 1854
3,3-Dimethyl-1-butanol	ND	100000	110000		100	113	70-130	12/09/2019 1854
Ethanol	ND	500000	540000		100	109	70-130	12/09/2019 1854
Ethylbenzene	1800	5000	7700		100	117	70-130	12/09/2019 1854
Ethyl-tert-butyl ether (ETBE)	ND	5000	5600		100	111	70-130	12/09/2019 1854
Methyl tertiary butyl ether (MTBE)	110	5000	5300		100	103	70-130	12/09/2019 1854

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: UL06067-052MS
Batch: 38348
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Naphthalene	650	5000	6200		100	111	70-130	12/09/2019 1854
tert-butyl alcohol (TBA)	1500	100000	110000		100	112	70-130	12/09/2019 1854
Toluene	ND	5000	5700		100	114	70-130	12/09/2019 1854
Xylenes (total)	8100	10000	20000		100	114	70-130	12/09/2019 1854

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		107	70-130

Volatile Organic Compounds by GC/MS - MSD

Sample ID: UL06067-052MD
Batch: 38348
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	ND	100000	120000		100	117	4.6	70-130	20	12/09/2019 1917
tert-Amyl methyl ether (TAME)	ND	5000	5400		100	107	0.13	70-130	20	12/09/2019 1917
Benzene	120	5000	5700		100	112	1.7	70-130	20	12/09/2019 1917
tert-Butyl formate (TBF)	ND	25000	22000		100	87	20	70-130	20	12/09/2019 1917
1,2-Dichloroethane	ND	5000	5500		100	109	0.69	70-130	20	12/09/2019 1917
Diisopropyl ether (IPE)	ND	5000	5900		100	118	0.41	70-130	20	12/09/2019 1917
3,3-Dimethyl-1-butanol	ND	100000	110000		100	115	1.8	70-130	20	12/09/2019 1917
Ethanol	ND	500000	570000		100	114	4.6	70-130	20	12/09/2019 1917
Ethylbenzene	1800	5000	7800		100	119	1.2	70-130	20	12/09/2019 1917
Ethyl-tert-butyl ether (ETBE)	ND	5000	5600		100	112	0.59	70-130	20	12/09/2019 1917
Methyl tertiary butyl ether (MTBE)	110	5000	5300		100	103	0.26	70-130	20	12/09/2019 1917
Naphthalene	650	5000	6100		100	109	1.1	70-130	20	12/09/2019 1917
tert-butyl alcohol (TBA)	1500	100000	120000		100	117	4.5	70-130	20	12/09/2019 1917
Toluene	ND	5000	5700		100	113	0.43	70-130	20	12/09/2019 1917
Xylenes (total)	8100	10000	20000		100	115	0.49	70-130	20	12/09/2019 1917

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		106	70-130

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Volatile Organic Compounds by GC/MS - MB

Sample ID: UQ38421-001
Batch: 38421
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	12/09/2019 2249
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	12/09/2019 2249
Benzene	ND		1	1.0	0.40	ug/L	12/09/2019 2249
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	12/09/2019 2249
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	12/09/2019 2249
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	12/09/2019 2249
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	12/09/2019 2249
Ethanol	ND		1	100	52	ug/L	12/09/2019 2249
Ethylbenzene	ND		1	1.0	0.40	ug/L	12/09/2019 2249
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	12/09/2019 2249
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	12/09/2019 2249
Naphthalene	ND		1	1.0	0.40	ug/L	12/09/2019 2249
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	12/09/2019 2249
Toluene	ND		1	1.0	0.40	ug/L	12/09/2019 2249
Xylenes (total)	ND		1	1.0	0.40	ug/L	12/09/2019 2249

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		104	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ38421-002
Batch: 38421
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1100		1	111	70-130	12/09/2019 2148
tert-Amyl methyl ether (TAME)	50	53		1	106	70-130	12/09/2019 2148
Benzene	50	52		1	104	70-130	12/09/2019 2148
tert-Butyl formate (TBF)	250	250		1	99	70-130	12/09/2019 2148
1,2-Dichloroethane	50	52		1	105	70-130	12/09/2019 2148
Diisopropyl ether (IPE)	50	56		1	112	70-130	12/09/2019 2148
3,3-Dimethyl-1-butanol	1000	1200		1	123	70-130	12/09/2019 2148
Ethanol	5000	5900		1	119	70-130	12/09/2019 2148
Ethylbenzene	50	53		1	107	70-130	12/09/2019 2148
Ethyl-tert-butyl ether (ETBE)	50	54		1	108	70-130	12/09/2019 2148
Methyl tertiary butyl ether (MTBE)	50	51		1	102	70-130	12/09/2019 2148

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ38421-002
Batch: 38421
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Naphthalene	50	55		1	109	70-130	12/09/2019 2148
tert-butyl alcohol (TBA)	1000	1100		1	112	70-130	12/09/2019 2148
Toluene	50	53		1	107	70-130	12/09/2019 2148
Xylenes (total)	100	110		1	108	70-130	12/09/2019 2148

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		103	70-130

Volatile Organic Compounds by GC/MS - MB

Sample ID: UQ38581-001
Batch: 38581
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	12/10/2019 2151
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	12/10/2019 2151
Benzene	ND		1	1.0	0.40	ug/L	12/10/2019 2151
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	12/10/2019 2151
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	12/10/2019 2151
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	12/10/2019 2151
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	12/10/2019 2151
Ethanol	ND		1	100	52	ug/L	12/10/2019 2151
Ethylbenzene	ND		1	1.0	0.40	ug/L	12/10/2019 2151
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	12/10/2019 2151
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	12/10/2019 2151
Naphthalene	ND		1	1.0	0.40	ug/L	12/10/2019 2151
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	12/10/2019 2151
Toluene	ND		1	1.0	0.40	ug/L	12/10/2019 2151

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		103	70-130

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ38581-002
Batch: 38581
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1100		1	106	70-130	12/10/2019 2051
tert-Amyl methyl ether (TAME)	50	51		1	102	70-130	12/10/2019 2051
Benzene	50	51		1	102	70-130	12/10/2019 2051
tert-Butyl formate (TBF)	250	200		1	80	70-130	12/10/2019 2051
1,2-Dichloroethane	50	50		1	101	70-130	12/10/2019 2051
Diisopropyl ether (IPE)	50	55		1	109	70-130	12/10/2019 2051
3,3-Dimethyl-1-butanol	1000	1100		1	113	70-130	12/10/2019 2051
Ethanol	5000	5100		1	102	70-130	12/10/2019 2051
Ethylbenzene	50	53		1	105	70-130	12/10/2019 2051
Ethyl-tert-butyl ether (ETBE)	50	50		1	100	70-130	12/10/2019 2051
Methyl tertiary butyl ether (MTBE)	50	45		1	89	70-130	12/10/2019 2051
Naphthalene	50	53		1	106	70-130	12/10/2019 2051
tert-butyl alcohol (TBA)	1000	1000		1	104	70-130	12/10/2019 2051
Toluene	50	52		1	105	70-130	12/10/2019 2051

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		103	70-130

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection

P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL

N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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EDB & DBCP by Microextraction - MB

Sample ID: UQ38294-001
Batch: 38294
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 12/09/2019 0920

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.020	ug/L	12/09/2019 2037

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		94	57-137

EDB & DBCP by Microextraction - LCS

Sample ID: UQ38294-002
Batch: 38294
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 12/09/2019 0920

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.24		1	98	60-140	12/09/2019 2048

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		104	57-137

EDB & DBCP by Microextraction - Duplicate

Sample ID: UL06067-003DU
Batch: 38294
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 12/09/2019 0920

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	% RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	12/09/2019 2317

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		82	57-137

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

EDB & DBCP by Microextraction - MB

Sample ID: UQ38295-001
Batch: 38295
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 12/09/2019 0920

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.020	ug/L	12/10/2019 2152

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		90	57-137

EDB & DBCP by Microextraction - LCS

Sample ID: UQ38295-002
Batch: 38295
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 12/09/2019 0920

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.24		1	95	60-140	12/10/2019 2203

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		95	57-137

EDB & DBCP by Microextraction - MS

Sample ID: UL06067-012MS
Batch: 38295
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 12/09/2019 0920

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	0.24	0.22		1	90	60-140	12/10/2019 2224

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		93	57-137

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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EDB & DBCP by Microextraction - Duplicate

Sample ID: UL06067-013DU
Batch: 38295
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 12/09/2019 0920

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	% RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	12/10/2019 2245

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		74	57-137

EDB & DBCP by Microextraction - MB

Sample ID: UQ38370-001
Batch: 38370
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 12/09/2019 1444

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.020	ug/L	12/11/2019 0220

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		93	57-137

EDB & DBCP by Microextraction - LCS

Sample ID: UQ38370-002
Batch: 38370
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 12/09/2019 1444

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.22		1	89	60-140	12/11/2019 0231

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		96	57-137

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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EDB & DBCP by Microextraction - MS

Sample ID: UL06067-032MS
Batch: 38370
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 12/09/2019 1444

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	0.24	0.26		1	108	60-140	12/11/2019 0252

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		101	57-137

EDB & DBCP by Microextraction - Duplicate

Sample ID: UL06067-033DU
Batch: 38370
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 12/09/2019 1444

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	% RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	12/11/2019 0314

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		113	57-137

EDB & DBCP by Microextraction - MB

Sample ID: UQ38371-001
Batch: 38371
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 12/09/2019 1504

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.020	ug/L	12/11/2019 0648

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		94	57-137

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

EDB & DBCP by Microextraction - LCS

Sample ID: UQ38371-002
Batch: 38371
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 12/09/2019 1504

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.24		1	96	60-140	12/11/2019 0659

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		91	57-137

EDB & DBCP by Microextraction - MS

Sample ID: UL06067-054MS
Batch: 38371
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 12/09/2019 1504

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	4.2	0.25	4.6	N	10	183	60-140	12/11/2019 1203

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		111	57-137

EDB & DBCP by Microextraction - Duplicate

Sample ID: UL06067-056DU
Batch: 38371
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 12/09/2019 1504

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	% RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	12/11/2019 0814

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		97	57-137

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
ND = Not detected at or above the DL
N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Chain of Custody
and
Miscellaneous Documents

SHEALY

Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 100542

Client: Terry Environmental Services
Address: PO Box 25
City: Summerville | State: SC | Zip Code: 29484
Project Name: Forma-Li'l Cricket #339
Project No.: 2170R
P.O. No.:

Report to Contact: Kelly Cone
Sampler's Signature: Christopher Metz
Printed Name: Christopher Metz

Telephone No. / E-mail: 843-873-8200
Quote No.:
Analysis (Attach list if more space is needed):
Page 1 of ___

UL06067

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Sample Collection	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	NaOH/ZnAc	STEXNAPH 1,2 DCA OXY	EDB-504	Remarks / Cooler I.D.
07303 FB-1 ✓	12-4-19	1125	G	X						5			3	2	
MW-40 ✓		1131													
MW-42 ✓		1144													
SW-1 ✓		1221													
SW-2 ✓		1226													
MW-48 ✓		1300													
MW-47 ✓		1320													
MW-45 ✓		1345													
MW-46 ✓		1350													
DW-5 ✓		1441													

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☑ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☑ Disposal by Lab

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Christopher Metz	12-6-19	1334	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: [signature]	12-6-19	1334

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Circle) Yes No Ice Pack
Receipt Temp. 1.2, d 6

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 06-01-2014

SHEALY

Chain of Custody Record

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106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 100541

Client: Terry Environmental Services
Address: PO Box 25
City: Summerville | State: SC | Zip Code: 29484
Project Name: Former Lil Cricket #339
Project No.: 2170R
P.O. No.:

Report to Contact: Kelly Cone
Sampler's Signature: Christopher Metz
Printed Name: Christopher Metz

Telephone No. / E-mail: 843-873-8200
Quote No.:
Analysis (Attach list if more space is needed)
Page: 2 of 7

UL06067
KMN2

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Sediment Or Continuous	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No of Containers by Preservative Type: Unpres.	NaOH	HNO3	HCl	NaOH	HNO3	BTEX NM+1,2 DCA OXY	EDB-8011	Remarks / Cooler I.D.
#07303 MW-41 ✓	12-4-19	1446	G	X						5			3	2	
MW-43 ✓		1508													
MW-23 ✓		1513													
MW-28 ✓		1531													
MW-25 ✓		1542													
MW-39 ✓		1548													
MW-21 ✓		1608													
MW-14 ✓		1619													
MW-36 ✓		1643													
MW-37 ✓		1657													

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☑ Standard ☐ Rush (Specify)
Sample Disposal: ☐ Return to Client ☑ Disposal by Lab
Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown
QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Christopher Metz	12-6-19	1334	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: [signature]	12-6-19	1334

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Circle) Yes No Ice Pack
Receipt Temp. 1.2, 1.6 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-123 Effective Date: 08-01-2014

SHEALY **Chain of Custody Record**

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Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 100536

Client: Terry Environmental Services
Address: PO Box 25
City: Summerville | State: SC | Zip Code: 29484
Project Name: Farmer Lil Cricket #339
Project No.: 2170R
P.O. No.:

Report to Contact: Kelly Cone
Sampler's Signature: x Christopher Metz
Printed Name: Christopher Metz

Telephone No. / E-mail: 843-873-8200
Analysis (Attach list if more space is needed)

Quote No.:
Page 3 of 7

UL06067
KMNZ

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Q-Check Q-Check	Matrix: Aqueous	Matrix: Liquid	Matrix: Non-Aqueous	No of Containers by Preservative Type: Unpres.	HCl	NaOH	Na2S2O3	BTEX/MTBE+1,2 DCA OXY	EDB-6011	Remarks / Cooler I.D.
#70303 MW-36 ✓	12-4-19	1708	4	X				5			3	2	
FB-2 ✓	12-5-19	0750											
MW-33 ✓		0830											
DW-9 ✓		0834											
MW-32 ✓		0840											
MW-31 ✓		0845											
MW-34 ✓		0900											
DW-10 ✓		0926											
MW-35 ✓		0930											
MW-26 ✓		1010											

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☑ Standard ☐ Rush (Specify)

Sample Disposal ☐ Return to Client ☑ Disposal by Lab

Possible Hazard Identification ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Christopher Metz	12-6-19	1334	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: Kelly Cone	12-6-19	1334

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Circle) Yes No Ice Pack Receipt Temp. 1.2, 1.4°C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

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Telephone No. 803-791-9700 Fax No. 803-791-9111
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Number 100540

Client: Terry Environmental Services
Address: PO Box 25
City: Summerville | State: SC | Zip Code: 29484
Project Name: Former Lil Cricket #339
Project No.: 21708
P.O. No.:

Report to Contact: Kelly Cone
Sampler's Signature: x Christopher Metz
Printed Name: Christopher Metz

Telephone No. / E-mail: 843-873-8200
Analysis (Attach list if more space is needed)

Quote No.:
Page 4 of 7

UL06067
KMN2

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G-Grab C-Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No. of Containers by Preservative Type: Cyanide	NaOH	HNO3	HCl	NaOH	NaOH	BTEX/MM, +1,2 DCA OXY	EDB-8011	Remarks / Cooler I.D.
#70303 DW-6 ✓	12-5-19	1028	G	X						5			3	2	
MW-29 ✓		1035													
MW-22 ✓		1055													
DW-1 ✓		1102													
MW-24 ✓		1111													
MW-11 ✓		1156													
DW-11 ✓		1214													
MW-3 ✓		1344													
DW-2 ✓		1410													
DW-7 ✓		1450													

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☑ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☑ Disposal by Lab

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Christopher Metz	12-6-19	1334	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: Mary Catt	12-6-19	1334

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 1.2, 1.8

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

SHEALY

Chain of Custody Record

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www.shealylab.com

Number 100539

Client: Terry Environmental Services
Address: PO Box 25
City: Summerville | State: SC | Zip Code: 29484
Project Name: Fred Li'L Cricket #339
Project No.: 270R
P.O. No.:

Report to Contact: Kelly Cone
Sampler's Signature: x Christopher Metz
Printed Name: Christopher Metz

Telephone No. / E-mail: (843) 873-8200
Analysis (Attach list if more space is needed): BTEX MA-1,2,CCA OXY; EDB-8011

Quote No.:
Page 5 of 7

UL06067
KMN2

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Grab/Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	NaOH	NaOH	5035 KI	BTEX MA-1,2,CCA OXY	EDB-8011	Remarks / Cooler I.D.
#703013 MW-5R ✓	12-5-19	1459	G	X						5			3	2	
MW-18 ✓		1530													
DW-3 ✓		1543													
MW-13 ✓		1615													
MW-12 ✓		1635													
MW-16 ✓		1638													
MW-19 ✓		1740													
MW-19 Dup ✓		1742													
MW-17 ✓		1743													
FB-3 ✓	12-6-19	0750													

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☑ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☑ Disposal by Lab

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished by: Christopher Metz	12-6-19	1334	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: [signature]	12-6-19	1334

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack | Receipt Temp. 1.2, 1.6

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 03-01-2014

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106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 100538

Client: Terry Environmental Services
Address: Po Box 25
City: Summerville State: SC Zip Code: 29484
Project Name: Former Lil Cricket #339
Project No.: 2170R
P.O. No.:

Report to Contact: Kelly Crane
Sampler's Signature: x Christopher Metz
Printed Name: Christopher Metz

Telephone No. / E-mail: (843) 873-8200
Analysis (Attach list if more space is needed)

Quote No.:
Page 6 of 7
UL06067
KMNZ

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Grab / Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No. of Containers by Preservative Type: Unpres	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	BTEXN/MT,1,2 DCA OXY	EDB-8011							Remarks / Cooler I.D.
#07303 MW-15 ✓	12-6-19	0751	G	X						5			3	2							
MW-27 ✓		0809																			
MW-20 ✓		0820																			
RW-3 ✓		0830																			
RW-2 ✓		0840																			
RW-4 ✓		0910																			
MW-9 ✓		0931																			
MW-9 Dup ✓		0933																			
RW-4 Dup ✓		0912																			
Trip Blank ✓	—	—																			

Turn Around Time Required (Prior lab approval required for expedited TAT.)
☑ Standard ☐ Rush (Specify)

Sample Disposal
☐ Return to Client ☑ Disposal by Lab

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

Relinquished by	Date	Time	Received by	Date	Time
1. Relinquished by Christopher Metz	12-6-19	12-6-19	1. Received by		
2. Relinquished by		1334	2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by [signature]	12-6-19	1334

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Circle) (Yes) No Ice Pack Receipt Temp. 2.1/2.1 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 02-01-2014

SHEALY ENVIRONMENTAL SERVICES, INC.

SHEALY **Chain of Custody Record**

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 100537

Client: Terry Environmental Services
Address: PO Box 25
City: Summerville | State: SC | Zip Code: 29484
Project Name: Former Lil Cricket #339
Project No.: 2170F
P.O. No.:

Report to Contact: Kelly Cone
Sampler's Signature: x Christopher Metz
Printed Name: Christopher Metz

Telephone No. / E-mail: (843) 873-8200
Analysis (Attach list if more space is needed)

Quote No.:
Page 7 of 7

UL06067
KMN2

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Sample Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	Matrix: Liquid	No of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	NaOH/ZnAc	BTEX NMTIC OXY	EDB-8011	Remarks / Cooler I.D.
Trip Blank ✓	—	—														
#70303 MW-30 ✓	12-5-19	1716	G	X							5			3	2	
~~Trip Blank~~	—	—														

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☑ Standard ☐ Rush (Specify)

Sample Disposal ☐ Return to Client ☑ Disposal by Lab

Possible Hazard Identification ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Christopher Metz	12-6-19	1334	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: Metz EHS	12-6-19	1334

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Circle) Yes No Ice Pack
Receipt Temp. 1.2, 1.6

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 06-01-2014

Shealy Environmental Services, Inc.
Document Number: ME0018C-14

Page 1 of 1
Effective Date: 8/2/2018

Sample Receipt Checklist (SRC)

Client: Terry Environmenta Cooler Inspected by/date: BMG / 12/06/19 Lot #: UL06067

Means of receipt: ☐ SESI ☑ Client ☐ UPS ☐ FedEx ☐ Other: _____

☐ Yes	☑ No		1. Were custody seals present on the cooler?
☐ Yes	☐ No	☑ NA	2. If custody seals were present, were they intact and unbroken?

pH Strip ID: NA Chlorine Strip ID: NA Tested by: NA

Original temperature upon receipt / Derived (Corrected) temperature upon receipt %Solid Snap-Cup ID: NA

1.2 / 1.2 °C 1.6 / 1.6 °C NA / NA °C NA / NA °C

Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: 5 IR Gun Correction Factor: 0 °C

Method of coolant: ☑ Wet Ice ☐ Ice Packs ☐ Dry Ice ☐ None

☐ Yes	☐ No	☑ NA	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one).
☐ Yes	☐ No	☑ NA	4. Is the commercial courier's packing slip attached to this form?
☑ Yes	☐ No		5. Were proper custody procedures (relinquished/received) followed?
☑ Yes	☐ No		6. Were sample IDs listed on the COC?
☑ Yes	☐ No		7. Were sample IDs listed on all sample containers?
☑ Yes	☐ No		8. Was collection date & time listed on the COC?
☑ Yes	☐ No		9. Was collection date & time listed on all sample containers?
☑ Yes	☐ No		10. Did all container label information (ID, date, time) agree with the COC?
☑ Yes	☐ No		11. Were tests to be performed listed on the COC?
☑ Yes	☐ No		12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
☑ Yes	☐ No		13. Was adequate sample volume available?
☐ Yes	☑ No		14. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
☐ Yes	☑ No		15. Were any samples containers missing/excess (circle one) samples Not listed on COC?
☐ Yes	☑ No	☐ NA	16. For VOA and RSK-175 samples, were bubbles present >"pea-size" (¼"or 6mm in diameter) in any of the VOA vials?
☐ Yes	☐ No	☑ NA	17. Were all DRO/metals/nutrient samples received at a pH of < 2?
☐ Yes	☐ No	☑ NA	18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
☐ Yes	☐ No	☑ NA	19. Were all applicable NH_3/TKN/cyanide/phenol/625 (< 0.5mg/L) samples free of residual chlorine?
☐ Yes	☐ No	☑ NA	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?
☑ Yes	☐ No		21. Was the quote number listed on the container label? If yes, Quote # 16675

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) NA _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with NA mL of circle one: H2SO4, HNO3, HCl, NaOH using SR # NA.
Time of preservation NA. If more than one preservative is needed, please note in the comments below.

Sample(s) NA _____ were received with bubbles >6 mm in diameter.

Samples(s) NA _____ were received with TRC > 0.5 mg/L (If #19 is *no*) and were adjusted accordingly in sample receiving with sodium thiosulfate ($Na_2S_2O_3$) with Shealy ID: NA.

SR barcode labels applied by: BMG Date: 12/06/19

Comments:

APPENDIX C

Tax Map
(Not Applicable)

APPENDIX D

Soil Boring/Field Screening Logs
(Not Applicable)

APPENDIX E

Well Completion Logs/SCDHEC 1903 Forms
(Not Applicable)

APPENDIX F

Aquifer Evaluation Forms
(Not Applicable)

APPENDIX G

Disposal Manifest

US Water Recovery

Non-Hazardous Manifest: Waste Water or Drums

Number:

1. Generator's EPA ID# (if applicable):
Waste ID Number:

2. Generator's Name and Mailing Address:
Former Li'l Cricket #339
800 West North First Street
Seneca, SC
Phone ( )
P O #: UST#C7303 2170R

3. Agent of Generator and Mailing Address:
Terry Environmental Services
PO Box 25
Summerville, SC 29484
Phone (843) 873-8200
P O #:

4. Transporter Company Name:
Phone ( )

Truck & Trailer License Number:

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address:
US Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Mailing Address:
US Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Phone: (843) 797-3111
Fax: (843) 797-1884

7 Facility U.S. EPA ID#:

Start Level: End Level: Total Gallons: Tank Number

8. U.S. DOT Description	Container No.	Container Type	Unit	Quantity
a. Non-Hazardous, non-regulated waste water			gal	45

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: Christopher Metz Signature: Christopher Metz Date: 12/6/19

10. Transporter Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Date:

11. Discrepancy Indication space:

12. Facility Owner or Operator: Certification of Receipt of Materials
Printed/Typed Name: Signature: Date 12/31/19

White - Facility Yellow - Office Pink - Transporter Blue - Generator

22437

APPENDIX H

Local Zoning Regulations
(Not Applicable)

APPENDIX I

Fate and Transport Modeling Data
(Not Applicable)

APPENDIX J

Access Agreements
(Not Applicable)

APPENDIX K

Data Verification Checklist

Contractor Checklist –Former Li'l Cricket #339

UST Permit #07303 - TERRY Project #2170R

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			X
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?	X		
7	Has the facility history been summarized?	X		
8	Has the regional geology and hydrogeology been described?	X		
9	Are the receptor survey results provided as required?			X
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?	X		
12	Has the primary soil type been described?	Sect. 3		
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?			X
17	Has the method of well development been detailed?			X
18	Has justification been provided for the locations of the monitoring wells?			X
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	X		
20	Has the groundwater sampling methodology been detailed?	X		
21	Have the groundwater sampling dates and groundwater measurements been provided?	X		
22	Has the purging methodology been detailed?	X		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?	X		
24	If free-product is present, has the thickness been provided?	X		
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	X		
34	Has the current and historical laboratory data been provided in tabular format?	X		

Item #	Item	Yes	No	N/A
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			X
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)	X Fig 4		X Fig 3
40	Has the site potentiometric map been provided? (Figure 5)	X		
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	X		
45	Is the laboratory performing the analyses properly certified?	X		
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)			X
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			X
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	X		

Explanation for missing and incomplete information?

Not Applicable for the current directive.

dhec
Healthy People. Healthy Communities.

9214 8969 0099 9790 1417 3593 06

MAY 01 2020

JIM ZUBER
LIL CRICKET STORES
2010 VIBURNUM LANE
ASHVILLE NC 28803

Re: **Corrective Action Options (2nd Attempt)**
Lil Cricket 339, 800 N W First St, Seneca, SC
UST Permit #07303
Release reported April 27, 1989
Monitoring Report received January 8, 2020
Oconee County

Dear Mr. Zuber:

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC) reviewed the above-referenced report submitted by Terry Environmental Services, Inc., on your behalf. This report, combined with site history, indicates active corrective action is necessary at the site to mitigate petroleum impact and ensure that there is no detrimental exposure to human health or the environment. While you, as the owner/operator, are ultimately responsible for cleanup actions taken in response to this release, funds from the State Underground Environmental Response Bank (SUPERB) Account and SUPERB Financial Responsibility Fund (SFRF) shall provide combined coverage for site rehabilitation and third party claims not to exceed one million dollars.

The SUPERB Site Rehabilitation and Fund Access Regulations R.61-98 require the UST owner/operator to develop and implement a reasonable, cost-effective corrective action to be performed by a DHEC certified site rehabilitation contractor. The selected technology must reduce the petroleum chemicals of concern concentrations to site-specific target levels that are determined by DHEC. As the owner/operator for the above-referenced release, you may choose one of two options discussed below to proceed toward meeting this requirement.

Option 1: Owner/Operator Lead

You may continue to use your existing DHEC Certified Site Rehabilitation Contractor of choice or select another contractor from the list found at http://www.scdhec.gov/Environment/LW/UST/VendorsRecyclersContractors/CertifiedContractors/ to perform the corrective action. To assist you in determining the clean-up technology, time frame, clean-up levels, and associated costs, DHEC will develop and provide you copies of a technical specifications package to send to DHEC certified contractors you may wish to utilize for this corrective action.

The maximum amount of allowable costs for the active correction action work that may be reimbursed by the SUPERB fund will be determined through a solicitation process. DHEC will post the technical specifications package for the active corrective action on the DHEC website (http://www.scdhec.gov/Environment/LW/UST/ReleaseAssessmentClean-up/CorrectiveActionSection/) and will solicit bids from DHEC certified contractors to conduct the work by publishing a notice in the South Carolina Business Opportunities, a bi-weekly state government publication. This process is intended to ensure an adequate solicitation response is obtained so that a fair and competitive price for the work can be established. The lowest corrective action cost submitted in response to the solicitation will determine the reasonable or SUPERB-allowable cost. Except for the limitations specified in the solicitation, the reasonable or SUPERB-allowable cost is the maximum amount the SUPERB Account will pay for this active corrective action.

You may consider entering a written contract with your selected contractor following completion of the solicitation process to address any costs more than the reasonable or SUPERB-allowable costs and not approved by DHEC for reimbursement from the SUPERB Account. DHEC would not be a party to the contract; however, we will monitor and ensure you are making progress with corrective action activities. If the selected contractor is not able to complete the required activities, you will be required to find another certified contractor to complete the required activities.

To utilize the owner/operator lead option, please sign and return the enclosed Owner/Operator Lead Form for Site Rehabilitation within 15 days of the date of this letter.

Option 2: State Lead

If you choose the state lead option, DHEC will procure a DHEC Certified Site Rehabilitation Contractor to perform active corrective action. The contractor for this work will enter into a contract with DHEC and will be subject to the terms and conditions of the bid document for which he or she was awarded the work. You would not be a party to the contract.

The awarded contractor will only be authorized to perform the active corrective action as defined by the bid document. Any work to be completed prior to the scope of work as defined by the bid document will be performed by your current contractor. Any work to be performed after the completion of this active corrective action may be performed by your current contractor or by another DHEC certified contractor of your choosing.

As long as you do not interfere with or prohibit the work at your site, you will not be responsible for this active corrective action in the event the contractor does not perform appropriately or does not make satisfactory progress towards achieving the established corrective action goals.

To utilize the state lead option, please sign and return the enclosed State Lead Form for Site Rehabilitation within 15 days of the date of this letter.

We appreciate your prompt attention to this important matter. Please reference UST Permit #07303 on all correspondence or inquiries regarding this project. If you have any questions, please contact me at (803) 898-0610 or westbrcj@dhec.sc.gov.

Sincerely,

Conner Westbrook, Hydrogeologist
Corrective Action & Field Support
UST Management Division
Bureau of Land and Waste Management

enc: Active Corrective Action Options form
Permission/Right-of-Entry forms

cc: Terry Environmental Services, Inc., PO Box 25, Summerville, SC 29484 (w/enc)
Technical File (w/enc)

Owner/Operator Lead Form for Active Corrective Action

Only complete this form if: You are the legal owner of the existing or former underground storage tanks, **OR** are the legal owner's designated authorized representative.

I certify that I am the legal owner of record for the underground storage tanks identified below for the release date reported below or serve as the authorized representative for the owner. I wish for DHEC to post the technical specifications package for the active corrective action on the DHEC website and solicit bids from DHEC certified contractors to conduct the work by publishing a notice in the South Carolina Business Opportunities and to select my own corrective action contractor after bid solicitation results are received. **I understand the lowest corrective action cost submitted in response to the solicitation will determine the reasonable or SUPERB-allowable cost. I understand if the selected contractor is not able to complete the required activities, I will be required to find another certified contractor to complete the required activities. Except for the limitations specified in the solicitation, the reasonable or SUPERB-allowable cost is the maximum amount the SUPERB Account will pay for the active corrective action.**

UST Permit #	07303	**Release Report Date:**	April 27, 1989
Facility Name:		Lil Cricket 339	
Facility Address:		800 NW First St, Seneca, SC 29678	
Facility Phone Number:			

Name of UST owner/former owner or authorized representative (Print):		
Signature of UST owner/former owner or authorized representative:		**Date**
Affiliation (if applicable)		
Signature of Witness		**Date**

Contact Info

Phone Numbers:	**Home:**	**Cell:**
Email Address:		

DHEC 3989 (01/2019)

State Lead Option Permission Form for Active Corrective Action

Only complete this form if: You are the legal owner of the existing or former underground storage tanks, **OR** are the legal owner's designated authorized representative.

I certify that I am the legal owner of the existing or former underground storage tanks located identified below and for the release reported the date listed below or serve as the authorized representative for the UST owner. I grant permission to the South Carolina Department of Health and Environmental Control (DHEC) to post the technical specifications package for the active corrective action on the DHEC website and solicit bids from DHEC certified contractors to conduct the work by publishing a notice in the South Carolina Business Opportunities and to select a corrective action contractor, on my behalf, after bid solicitation results are received. The contractor will be designated as my contractor for only the required environmental site rehabilitation activities. I understand that DHEC or its contractor 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.

UST Permit #	07303	**Release Report Date:**	April 27, 1989
Facility Name:		Lil Cricket 339	
Facility Address:		800 NW First St, Seneca, SC 29678	
Facility Phone Number:			
Is facility within city limits? (check yes/no)		☐ **Yes**	☐ **No**
Name of nearest intersecting street/road/highway:			
Does public water/sewer utility service this facility?		☐ **Yes**	☐ **No**

*If no, please provide a contact name/number that can assist in the location of private water and septic tank lines:

Name:		**Phone Number:**	
Were USTs previously removed from the ground at this facility?		☐ **Yes**	☐ **No**

*If yes, please provide the name/contact number of a person that can assist in the location of the former UST(s):

Name:		**Phone Number:**	
Is the facility currently leased to someone?		☐ **Yes**	☐ **No**

*If yes, notify them of the pending work scope, and please provide their name/contact number:

Name:		**Phone Number:**	

***Please note that if vehicles or other mobile structures are parked over the location of the existing or former USTs, they should be moved prior to DHEC's contractor mobilizes to the facility.**

Name of UST owner/former owner or authorized representative (Print):		
Signature of UST owner/former owner or authorized representative:		**Date**
Affiliation (if applicable)		
Signature of Witness		**Date**

Contact Info

Phone Numbers:	**Home:**	**Cell:**
Email Address:		

dhec

Owner/Operator Lead Form for Active Corrective Action

Only complete this form if: You are the legal owner of the existing or former underground storage tanks, **OR** are the legal owner's designated authorized representative.

I certify that I am the legal owner of record for the underground storage tanks identified below for the release date reported below or serve as the authorized representative for the owner. I wish for DHEC to post the technical specifications package for the active corrective action on the DHEC website and solicit bids from DHEC certified contractors to conduct the work by publishing a notice in the South Carolina Business Opportunities and to select my own corrective action contractor after bid solicitation results are received. **I understand the lowest corrective action cost submitted in response to the solicitation will determine the reasonable or SUPERB-allowable cost. I understand if the selected contractor is not able to complete the required activities, I will be required to find another certified contractor to complete the required activities. Except for the limitations specified in the solicitation, the reasonable or SUPERB-allowable cost is the maximum amount the SUPERB Account will pay for the active corrective action.**

UST Permit #	07303	**Release Report Date:**	April 27, 1989
Facility Name:		Lil Cricket 339	
Facility Address:		800 NW First St, Seneca, SC 29678	
Facility Phone Number:			

Name of UST owner/former owner or authorized representative (Print):	Li'l Cricket c/o James Zuber	
Signature of UST owner/former owner or authorized representative:	[signature]	5/15/2020 **Date**
Affiliation (if applicable)	former owner of UST's · President	
Signature of Witness	Lisa L. Walker	05-15-2020 **Date**

Contact Info

Phone Numbers:	**Home:**	**Cell:** 910-512-9692
Email Address:	jimzuber@hotmail.com	

DHEC 3989 (01/2019)

UST DOCKETING US 131 Cricket

Corner

Owner/Operator Lead Form for Active Corrective Action

Only complete this form if: You are the legal owner of the existing or former underground storage tanks, **OR** are the legal owner's designated authorized representative.

I certify that I am the legal owner of record for the underground storage tanks identified below for the release date reported below or serve as the authorized representative for the owner. I wish for DHEC to post the technical specifications package for the active corrective action on the DHEC website and solicit bids from DHEC certified contractors to conduct the work by publishing a notice in the South Carolina Business Opportunities and to select my own corrective action contractor after bid solicitation results are received. **I understand the lowest corrective action cost submitted in response to the solicitation will determine the reasonable or SUPERB-allowable cost. I understand if the selected contractor is not able to complete the required activities, I will be required to find another certified contractor to complete the required activities. Except for the limitations specified in the solicitation, the reasonable or SUPERB-allowable cost is the maximum amount the SUPERB Account will pay for the active corrective action.**

UST Permit #	07303	**Release Report Date:**	April 27, 1989
Facility Name:		Lil Cricket 339	
Facility Address:		800 NW First St, Seneca, SC 29678	
Facility Phone Number:			

Name of UST owner/former owner or authorized representative (Print):	Li'l Cricket c/o James P. Zuber	
Signature of UST owner/former owner or authorized representative:	J P Z	07/03/2020 **Date**
Affiliation (if applicable)	Former owner of UST's -- President	
Signature of Witness	Lm Cr	07/03/2020 **Date**

Contact Info

Phone Numbers:	**Home:**	**Cell:** 910-512-9692
Email Address:	jimzuber@hotmail.com	

DHEC 3989 (01/2019)

UST 133 Leah DOCKETING

UST JUL 10 2020 PROGRAM

Domenico Model

UST # 07303
Site Name: Lil Cricket 339
Modeler: Morgan Thomas
Date: 10/29/2021

Groundwater Flow Parameters

K	100	ft/yr
dh/dx	0.0459	
θ	0.45	dec. %
v_x	10.2	ft/yr

Transport Parameters

x_{max}	136.4	ft
y_{max}	10	ft
z	0	ft
Source Width	30	ft
Source Thickness	40	ft
Plume Length	136.4	ft
α_x	8.710344	ft
α_y	0.871034	ft
α_z	1.00E-99	ft

Simulation Time

t_{sim} 60.8 yrs

Aquifer Characteristics

ρ_d	1.6	kg/L
f_{oc}	0.0002	

UST 133 DOCKETING

Source Area CoC Data

CoC	C_{source} (mg/L)	K_{oc} (L/kg)
Benzene	3.7	81
Toluene	12	133
Ethylbenzene	2.1	176
Xylenes	14	639
Naphthalene	1.2	1543
MtBE	4.6	11
EDB	0.00423	28
1,2-DCA		17.5

Retarded Velocity (ft/yr)

CoC	R	v_R
Benzene	1.058	9.64
Toluene	1.095	9.32
Ethylbenzene	1.125	9.07
Xylenes	1.454	7.01
Naphthalene	2.097	4.86
MtBE	1.008	10.12
EDB	1.020	10.00
1,2-DCA	1.012	10.07

Simulation Points for Breakthrough Curves

x		ft	x		ft
y		ft	y		ft
z		ft	z		ft

$$C(x,y,z,t) = \left(\frac{C_0}{8}\right)\exp\left[\left(\frac{x}{2\alpha_x}\right)\left(1-\sqrt{1+\frac{4\lambda\alpha_x}{v}}\right)\right] erfc\left[\frac{x-vt\sqrt{1+\frac{4\lambda\alpha_x}{v}}}{2\sqrt{\alpha_x vt}}\right]\left\{erf\left[\frac{y+\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]-erf\left[\frac{y-\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]\right\}\left\{erf\left[\frac{z+Z}{2\sqrt{\alpha_z x}}\right]-erf\left[\frac{z-Z}{2\sqrt{\alpha_z x}}\right]\right\}$$

Benzene Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	3.7	3.7
13.64		1.646
27.28		0.713
40.92	0.064	0.303
54.56		0.128
68.2		0.054
81.84		0.023
95.48		0.010
109.12		0.004
122.76		0.002
136.4	0.001	0.001

Temporal Calibration Data

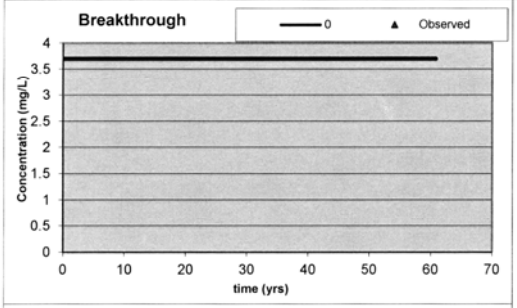
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		3.7		3.7
6.08		3.700		3.700
12.16		3.700		3.700
18.24		3.700		3.700
24.32		3.700		3.700
30.4		3.700		3.700
36.48		3.700		3.700
42.56		3.700		3.700
48.64		3.700		3.700
54.72		3.700		3.700
60.8		3.700		3.700

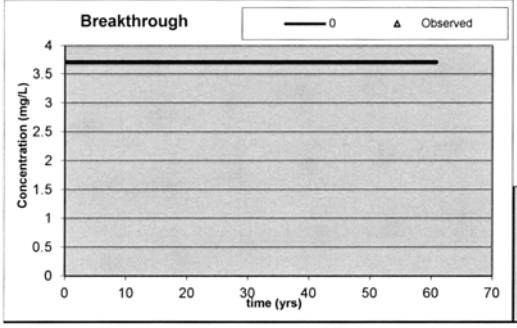
Site ID 07303

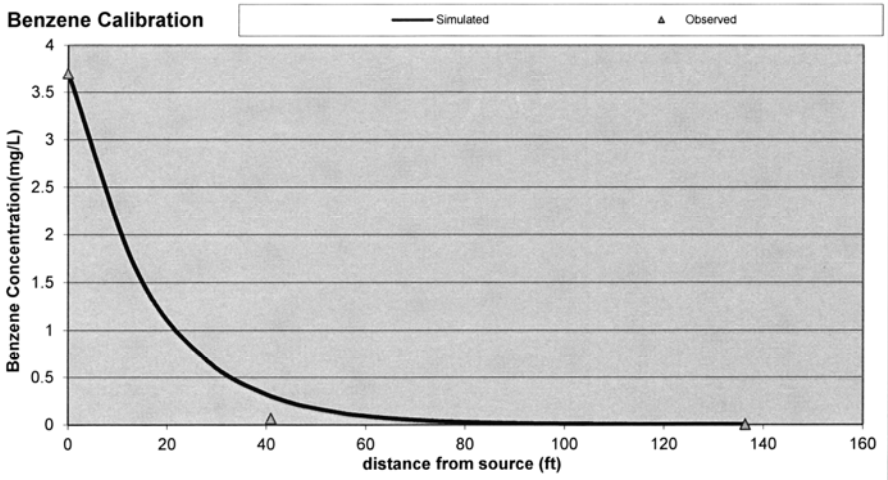
Site Name Lil Cricket 339

Model Calibration Parameters

$t_{1/2}$	0.8	yrs	λ	0.86625	yr^{-1}
v_x	10.2	ft/yr			
R	1.058				
v_R	9.644	ft/yr	C_{source}	3.7	mg/L
L_p	136.4	ft			
α_x	8.710344	ft	t_{sim}	60.8	yrs
α_y	0.871034	ft			
α_z	1E-99	ft			







Source	13.64	27.28	40.92	54.56	68.2	81.84	95.48	109.12	122.76	136.4
10	1.39759389	0.56281143	0.2363957	0.10086478	0.04333317	0.0186839	0.008074	0.003496	0.001515	0.000658
5	1.61590018	0.67965819	0.28597443	0.12080543	0.0512339	0.0218082	0.009314	0.00399	0.001714	0.000738
0	1.64565389	0.71327888	0.30281815	0.12791862	0.05409374	0.0229422	0.009763	0.004168	0.001785	0.000766
5	1.61590018	0.67965819	0.28597443	0.12080543	0.0512339	0.0218082	0.009314	0.00399	0.001714	0.000738
10	1.39759389	0.56281143	0.2363957	0.10086478	0.04333317	0.0186839	0.008074	0.003496	0.001515	0.000658

Toluene Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	12	12
13.64		4.797
27.28		1.869
40.92	0.063	0.713
54.56		0.271
68.2		0.103
81.84		0.039
95.48		0.015
109.12		0.006
122.76		0.002
136.4	0.001	0.001

Temporal Calibration Data

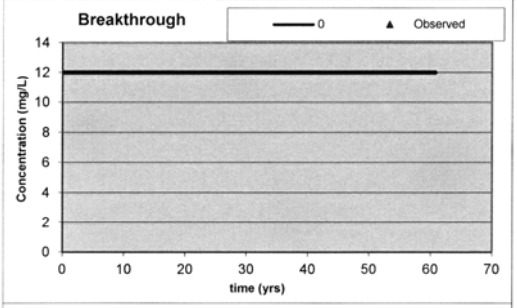
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		12		12
6.08		12.000		12.000
12.16		12.000		12.000
18.24		12.000		12.000
24.32		12.000		12.000
30.4		12.000		12.000
36.48		12.000		12.000
42.56		12.000		12.000
48.64		12.000		12.000
54.72		12.000		12.000
60.8		12.000		12.000

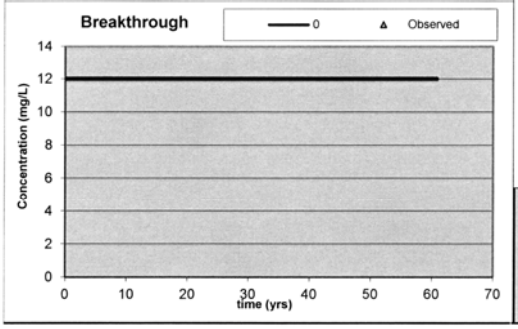
Site ID 07303

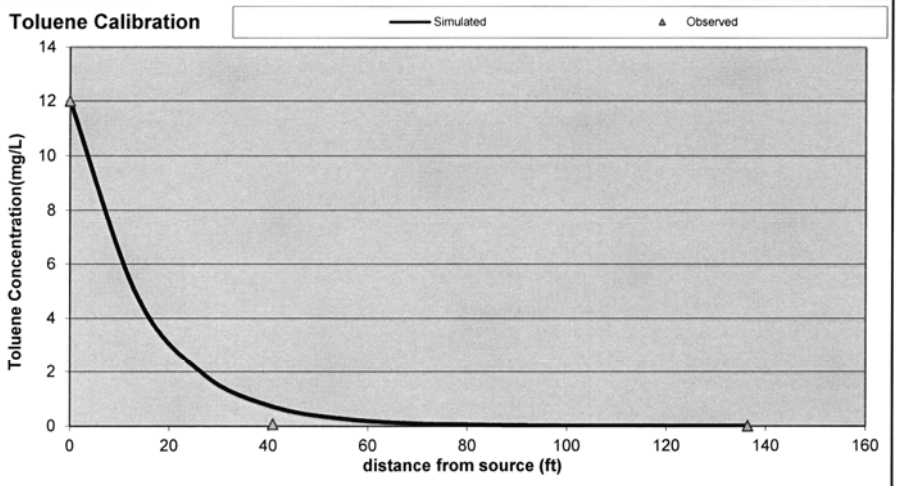
Site Name Lil Cricket 339

Model Calibration Parameters

$t_{1/2}$	0.7	yrs	λ	0.99	yr^{-1}
v_x	10.2	ft/yr			
R	1.095				
v_R	9.319	ft/yr	C_{source}	12	mg/L
L_p	136.4	ft			
α_x	8.710344	ft	t_{sim}	60.8	yrs
α_y	0.871034	ft			
α_z	1E-99	ft			







Source	13.64	27.28	40.92	54.56	68.2	81.84	95.48	109.12	122.76	136.4
10	4.0742333	1.47473228	0.55676923	0.21353083	0.08245688	0.0319565	0.012413	0.00483	0.001882	0.000734
5	4.71063474	1.78090532	0.67353917	0.25574521	0.09749085	0.0373003	0.014319	0.005513	0.002128	0.000824
0	4.79737204	1.86900146	0.71321023	0.27080383	0.10293272	0.0392399	0.015009	0.00576	0.002217	0.000856
5	4.71063474	1.78090532	0.67353917	0.25574521	0.09749085	0.0373003	0.014319	0.005513	0.002128	0.000824
10	4.0742333	1.47473228	0.55676923	0.21353083	0.08245688	0.0319565	0.012413	0.00483	0.001882	0.000734

Ethylbenzene Calibration

Spatial Calibration Data

(centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	2.1	2.1
13.64		1.077
27.28		0.539
40.92	0.27	0.264
54.56		0.129
68.2		0.063
81.84		0.031
95.48		0.015
109.12		0.007
122.76		0.004
136.4	0.001	0.002

Temporal Calibration Data

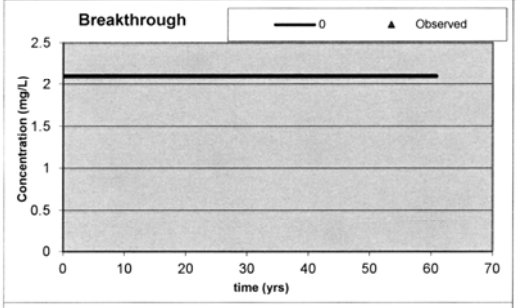
			0		0
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)	
0		2.1		2.1	
6.08		2.100		2.100	
12.16		2.100		2.100	
18.24		2.100		2.100	
24.32		2.100		2.100	
30.4		2.100		2.100	
36.48		2.100		2.100	
42.56		2.100		2.100	
48.64		2.100		2.100	
54.72		2.100		2.100	
60.8		2.100		2.100	

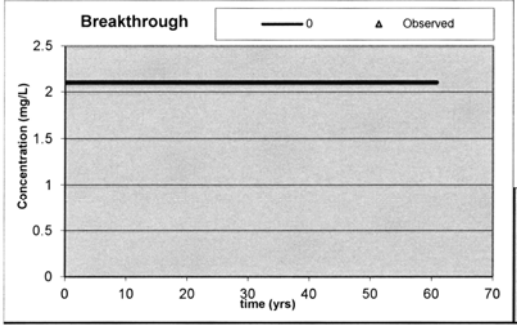
Site ID 07303

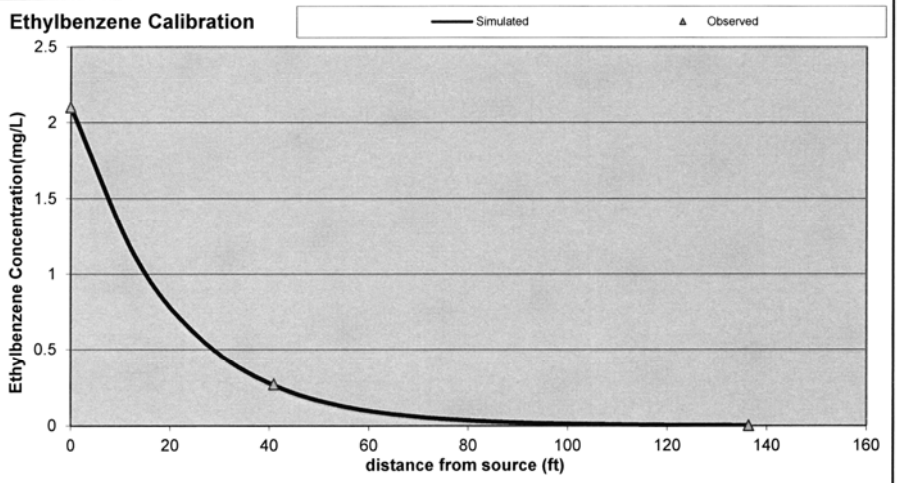
Site Name Lil Cricket 339

Model Calibration Parameters

$t_{1/2}$	1.1	yrs	λ	0.63	yr^{-1}
v_x	10.2	ft/yr			
R	1.125				
v_R	9.065	ft/yr	C_{source}	2.1	mg/L
L_p	136.4	ft			
α_x	8.710344	ft	t_{sim}	60.8	yrs
α_y	0.871034	ft			
α_z	1E-99	ft			







Source	13.64	27.28	40.92	54.56	68.2	81.84	95.48	109.12	122.76	136.4
10	0.9150135	0.42504837	0.20594154	0.10136146	0.05023226	0.0249838	0.012455	0.00622	0.00311	0.001558
5	1.05794	0.51329377	0.24913319	0.12140031	0.05939087	0.0291616	0.014366	0.007099	0.003517	0.001747
0	1.07741993	0.5386849	0.26380698	0.12854852	0.06270603	0.030678	0.015059	0.007416	0.003663	0.001814
5	1.05794	0.51329377	0.24913319	0.12140031	0.05939087	0.0291616	0.014366	0.007099	0.003517	0.001747
10	0.9150135	0.42504837	0.20594154	0.10136146	0.05023226	0.0249838	0.012455	0.00622	0.00311	0.001558

Xylenes Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	14	14
13.64		6.226
27.28		2.698
40.92	1.2	1.146
54.56		0.484
68.2		0.205
81.84		0.087
95.48		0.037
109.12		0.016
122.76		0.007
136.4	0.001	0.003

Temporal Calibration Data

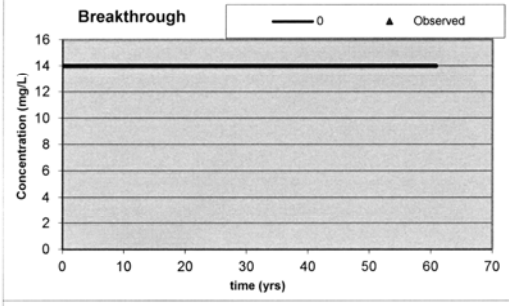
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		14		14
6.08		14.000		14.000
12.16		14.000		14.000
18.24		14.000		14.000
24.32		14.000		14.000
30.4		14.000		14.000
36.48		14.000		14.000
42.56		14.000		14.000
48.64		14.000		14.000
54.72		14.000		14.000
60.8		14.000		14.000

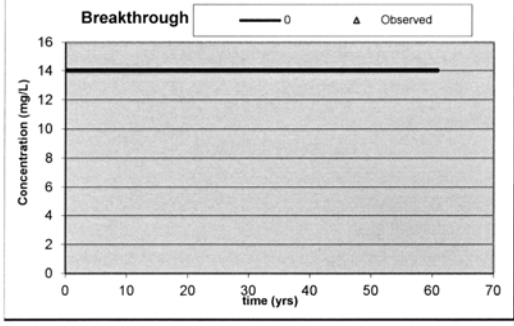
Site ID 07303

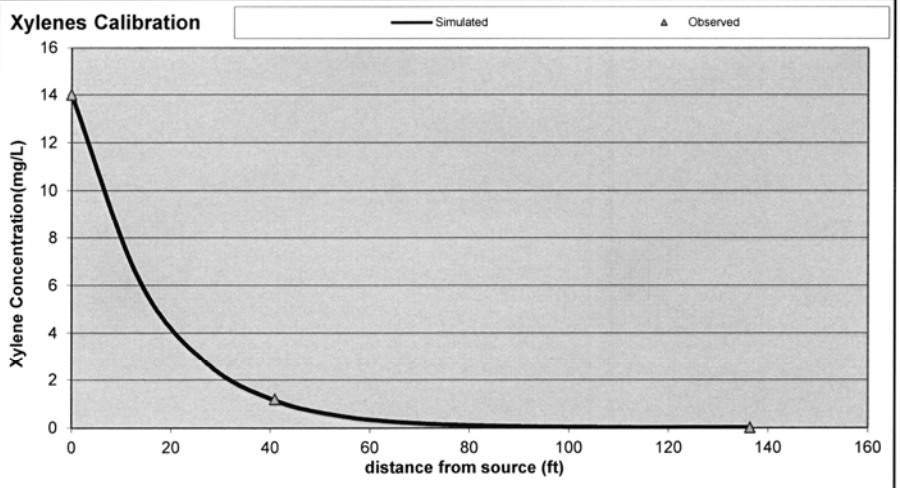
Site Name Lil Cricket 339

Model Calibration Parameters

$t_{1/2}$	1.1	yrs	λ	0.63	yr^{-1}
v_x	10.2	ft/yr			
R	1.454				
v_R	7.013	ft/yr	C_{source}	14	mg/L
L_p	136.4	ft			
α_x	8.710344	ft	t_{sim}	60.8	yrs
α_y	0.871034	ft			
α_z	1E-99	ft			







Source	13.64	27.28	40.92	54.56	68.2	81.84	95.48	109.12	122.76	136.4
10	5.28775466	2.12920365	0.89424774	0.38152396	0.16389539	0.0706606	0.030534	0.013218	0.00573	0.002487
5	6.11370998	2.57125321	1.08179629	0.45695006	0.19377766	0.0824765	0.035221	0.015086	0.006479	0.002789
0	6.22628222	2.69844553	1.14551344	0.4838559	0.20459419	0.0867653	0.036919	0.01576	0.006748	0.002897
5	6.11370998	2.57125321	1.08179629	0.45695006	0.19377766	0.0824765	0.035221	0.015086	0.006479	0.002789
10	5.28775466	2.12920365	0.89424774	0.38152396	0.16389539	0.0706606	0.030534	0.013218	0.00573	0.002487

MtBE Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	4.6	4.6
13.64		2.378
27.28		1.198
40.92	0.013	0.591
54.56		0.290
68.2		0.143
81.84		0.070
95.48		0.035
109.12		0.017
122.76		0.009
136.4	0.00041	0.004

Temporal Calibration Data

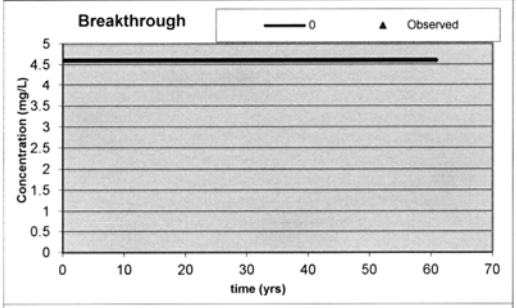
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		4.6		4.6
6.08		4.600		4.600
12.16		4.600		4.600
18.24		4.600		4.600
24.32		4.600		4.600
30.4		4.600		4.600
36.48		4.600		4.600
42.56		4.600		4.600
48.64		4.600		4.600
54.72		4.600		4.600
60.8		4.600		4.600

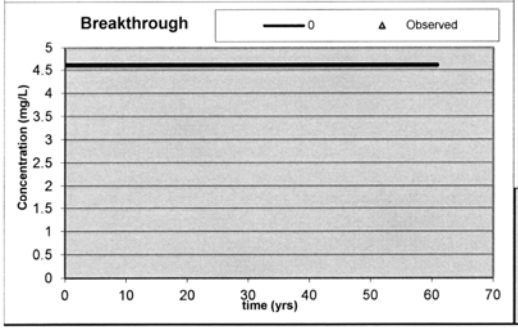
Site ID 07303

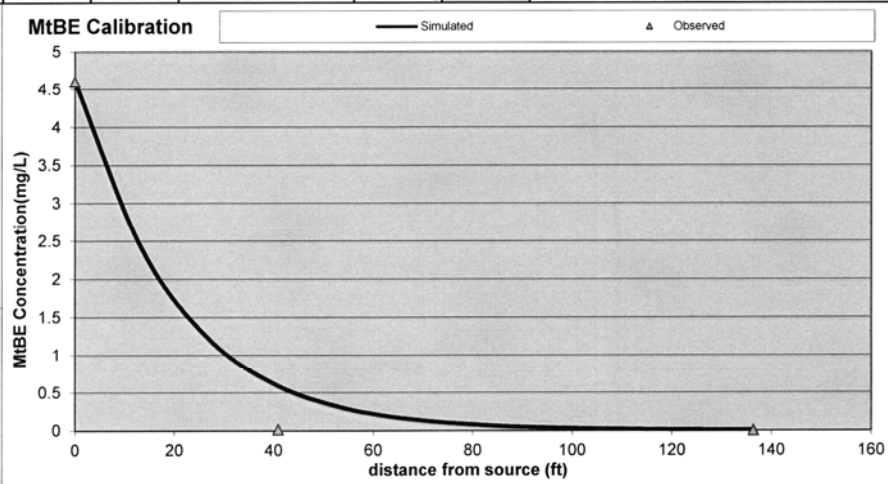
Site Name Lil Cricket 339

Model Calibration Parameters

$t_{1/2}$	1	yrs	λ	0.693	yr^{-1}
v_x	10.2	ft/yr			
R	1.008				
v_R	10.121	ft/yr	C_{source}	4.6	mg/L
L_p	136.4	ft			
α_x	8.710344	ft	t_{sim}	60.8	yrs
α_y	0.871034	ft			
α_z	1E-99	ft			







Source	13.64	27.28	40.92	54.56	68.2	81.84	95.48	109.12	122.76	136.4
10	2.01952179	0.94523958	0.46145568	0.228845	0.11427041	0.0572653	0.028764	0.014473	0.007293	0.00368
5	2.33497416	1.14148325	0.55823574	0.27408694	0.1351048	0.0668413	0.033179	0.016519	0.008246	0.004126
0	2.37796824	1.19794907	0.59111549	0.29022555	0.14264625	0.0703171	0.034779	0.017258	0.008589	0.004286
5	2.33497416	1.14148325	0.55823574	0.27408694	0.1351048	0.0668413	0.033179	0.016519	0.008246	0.004126
10	2.01952179	0.94523958	0.46145568	0.228845	0.11427041	0.0572653	0.028764	0.014473	0.007293	0.00368

Naphthalene Calibration

Spatial Calibration Data

(centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	1.2	1.2
13.64		0.652
27.28		0.345
40.92	0.18	0.179
54.56		0.092
68.2		0.048
81.84		0.025
95.48		0.013
109.12		0.007
122.76		0.003
136.4	0.001	0.002

Temporal Calibration Data

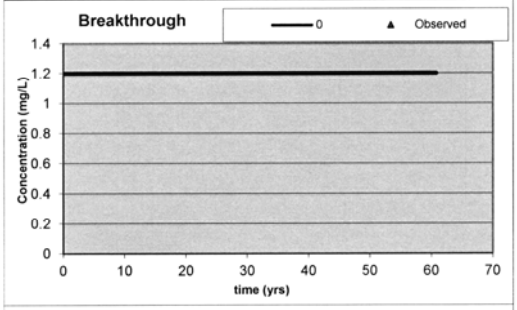
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		1.2		1.2
6.08		1.200		1.200
12.16		1.200		1.200
18.24		1.200		1.200
24.32		1.200		1.200
30.4		1.200		1.200
36.48		1.200		1.200
42.56		1.200		1.200
48.64		1.200		1.200
54.72		1.200		1.200
60.8		1.200		1.200

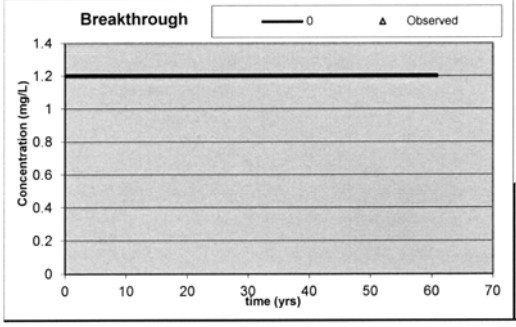
Site ID 07303

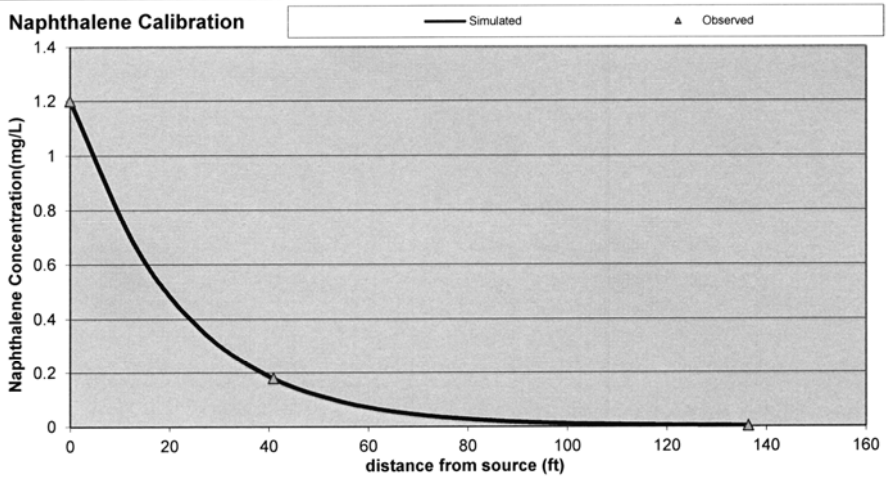
Site Name Lil Cricket 339

Model Calibration Parameters

$t_{1/2}$	2.3	yrs	λ	0.3013	yr^{-1}
v_x	10.2	ft/yr			
R	2.097				
v_R	4.864	ft/yr	C_{source}	1.2	mg/L
L_p	136.4	ft			
α_x	8.710344	ft	t_{sim}	60.8	yrs
α_y	0.871034	ft			
α_z	1E-99	ft			







Source	13.64	27.28	40.92	54.56	68.2	81.84	95.48	109.12	122.76	136.4
10	0.5533877	0.27206984	0.13951665	0.07267667	0.0381193	0.020066	0.010587	0.005596	0.002962	0.00157
5	0.6398277	0.32855497	0.16877716	0.08704462	0.04506941	0.0234214	0.012212	0.006387	0.003349	0.00176
0	0.6516089	0.34480762	0.17871804	0.09216992	0.04758515	0.0246394	0.012801	0.006672	0.003488	0.001828
5	0.6398277	0.32855497	0.16877716	0.08704462	0.04506941	0.0234214	0.012212	0.006387	0.003349	0.00176
10	0.5533877	0.27206984	0.13951665	0.07267667	0.0381193	0.020066	0.010587	0.005596	0.002962	0.00157

EDB Calibration

Spatial Calibration Data

(centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	0.00423	0.00423
13.64		0.00217
27.28		0.00109
40.92		0.00053
54.56		0.00026
68.2		0.00013
81.84		0.00006
95.48		0.00003
109.12		0.00002
122.76		0.00001
136.4	0.000019	0.00000

Temporal Calibration Data

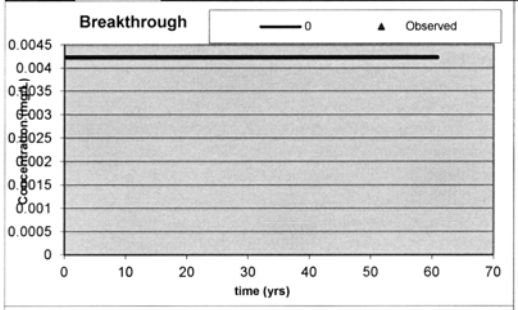
t (yrs)	0 C_{obs} (mg/L)	0 C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		0.00423		0.00423
6.08		0.00423		0.00423
12.16		0.00423		0.00423
18.24		0.00423		0.00423
24.32		0.00423		0.00423
30.4		0.00423		0.00423
36.48		0.00423		0.00423
42.56		0.00423		0.00423
48.64		0.00423		0.00423
54.72		0.00423		0.00423
60.8		0.00423		0.00423

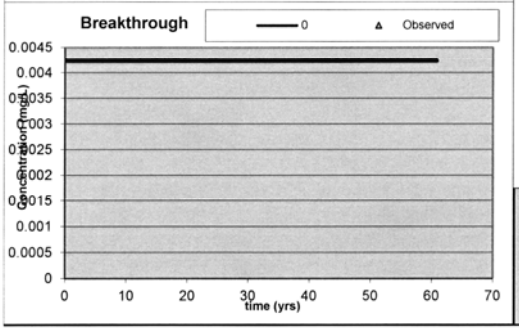
Site ID 07303

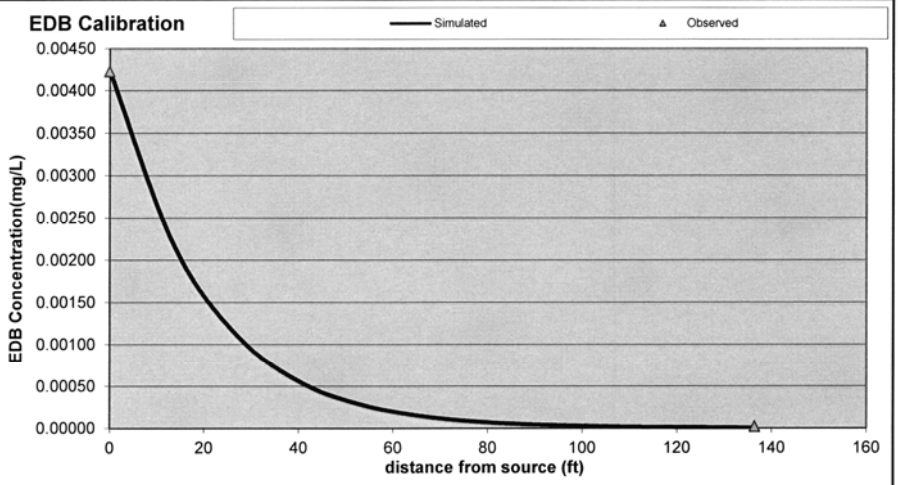
Site Name Lil Cricket 339

Model Calibration Parameters

$t_{1/2}$	1	yrs	λ	0.693 yr^{-1}
v_x	10.2	ft/yr		
R	1.020			
v_R	10.001	ft/yr	C_{source}	0.00423 mg/L
L_p	136.4	ft		
α_x	8.710344	ft	t_{sim}	60.8 yrs
α_y	0.871034	ft		
α_z	1E-99	ft		







Source	13.64	27.28	40.92	54.56	68.2	81.84	95.48	109.12	122.76	136.4
10	0.00184583	0.00085871	0.00041667	0.00020539	0.00010193	5.077E-05	2.53E-05	1.27E-05	6.35E-06	3.18E-06
5	0.00213416	0.00103699	0.00050406	0.00024599	0.00012052	5.926E-05	2.92E-05	1.45E-05	7.18E-06	3.57E-06
0	0.00217345	0.00108829	0.00053375	0.00026047	0.00012725	6.235E-05	3.06E-05	1.51E-05	7.48E-06	3.71E-06
5	0.00213416	0.00103699	0.00050406	0.00024599	0.00012052	5.926E-05	2.92E-05	1.45E-05	7.18E-06	3.57E-06
10	0.00184583	0.00085871	0.00041667	0.00020539	0.00010193	5.077E-05	2.53E-05	1.27E-05	6.35E-06	3.18E-06

UST Permit # 07303

SSTLs t 1000 yrs Site Name: Lil Cricket 339

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	Toluene	Ethylbenzene	Xylenes	MtBE	Naphthalene	EDB	
MW-9	354.9	0	0	>99999	>99999	>99999	>99999	>99999	>99999	3491.87769	
MW-10	326.1	0	0	>99999	>99999	>99999	>99999	>99999	>99999	828.32943	
MW-15	298.5	0	0	>99999	>99999	>99999	>99999	>99999	31046.572	208.05592	
MW-19	370.2	0	0	>99999	>99999	>99999	>99999	>99999	>99999	7491.21829	
MW-20	353.8	0	0	>99999	>99999	>99999	>99999	>99999	>99999	3305.32667	
MW-27	248.2	0	0	22982.332	>99999	>99999	>99999	11913.673	3042.941	16.63297	
MW-29	295.4	0	0	>99999	>99999	>99999	>99999	>99999	26914.840	178.11667	
RW-1	330.2	0	0	>99999	>99999	>99999	>99999	>99999	>99999	1016.79226	
RW-2	347.7	0	0	>99999	>99999	>99999	>99999	>99999	>99999	2437.55999	
RW-3	358.9	0	0	>99999	>99999	>99999	>99999	>99999	>99999	4263.37205	
RW-4	329.2	0	0	>99999	>99999	>99999	>99999	>99999	>99999	967.20865	
RW-5	366.1	0	0	>99999	>99999	>99999	>99999	>99999	>99999	6105.90816	
			λ (yr^{-1}):	0.866	0.990	0.630	0.630	0.693	0.301	0.693	
			R:	1.058	1.095	1.125	1.454	1.008	2.097	1.020	
			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 (Oxygenates)

UST # 07303
Site Name: Lil Cricket 339
Modeler: Morgan Thomas
Date: 10/29/2021

Groundwater Flow Parameters

K	100	ft/yr
dh/dx	0.0459	
θ	0.45	dec. %
v_x	10.2	ft/yr

Transport Parameters

x_{max}	136.4	ft
y_{max}	10	ft
z	0	ft
Source Width	30	ft
Source Thickness	40	ft
Plume Length	136.4	ft
α_x	8.710344	ft
α_y	0.871034	ft
α_z	1.00E-99	ft

Simulation Time

t_{sim} 60.8 yrs

Aquifer Characteristics

ρ_d	1.6	kg/L
f_{oc}	0.0002	

Source Area CoC Data

CoC	C_{source} (mg/L)	K_{oc} (L/kg)
tBA	7.4	1
tAA	2.6	1
DIPE		1.5
tAME		1.5
EtBE		1.5
Ethanol		0.5

Retarded Velocity (ft/yr)

CoC	R	v_R
tBA	1.001	10.19
tAA	1.001	10.19
DIPE	1.001	10.19
tAME	1.001	10.19
EtBE	1.001	10.19
Ethanol	1.000	10.20

Simulation Points for Breakthrough Curves

x		ft	x		ft
y		ft	y		ft
z		ft	z		ft

$$C(x,y,z,t) = \left(\frac{C_0}{8}\right)\exp\left[\left(\frac{x}{2\alpha_x}\right)\left(1-\sqrt{1+\frac{4\lambda\alpha_x}{v}}\right)\right] erfc\left[\frac{x-vt\sqrt{1+\frac{4\lambda\alpha_x}{v}}}{2\sqrt{\alpha_x vt}}\right]\left\{erf\left[\frac{y+\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]-erf\left[\frac{y-\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]\right\}\left\{erf\left[\frac{z+Z}{2\sqrt{\alpha_z x}}\right]-erf\left[\frac{z-Z}{2\sqrt{\alpha_z x}}\right]\right\}$$

tBA Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	7.4	7.4
13.64		4.336
27.28		2.476
40.92	0.32	1.385
54.56		0.771
68.2		0.429
81.84		0.240
95.48		0.135
109.12		0.076
122.76		0.043
136.4	0.02	0.024

Temporal Calibration Data

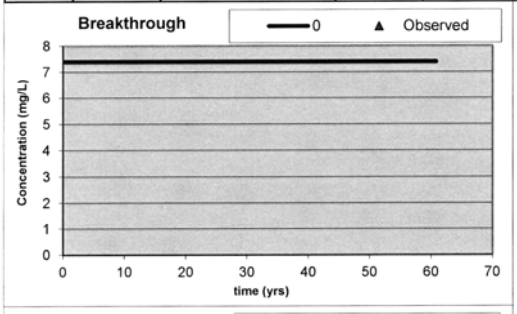
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		7.4		7.4
6.08		7.400		7.400
12.16		7.400		7.400
18.24		7.400		7.400
24.32		7.400		7.400
30.4		7.400		7.400
36.48		7.400		7.400
42.56		7.400		7.400
48.64		7.400		7.400
54.72		7.400		7.400
60.8		7.400		7.400

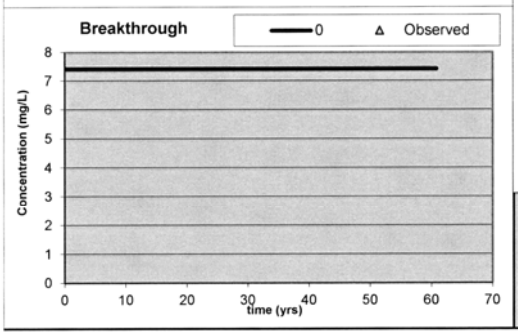
Site ID 07303

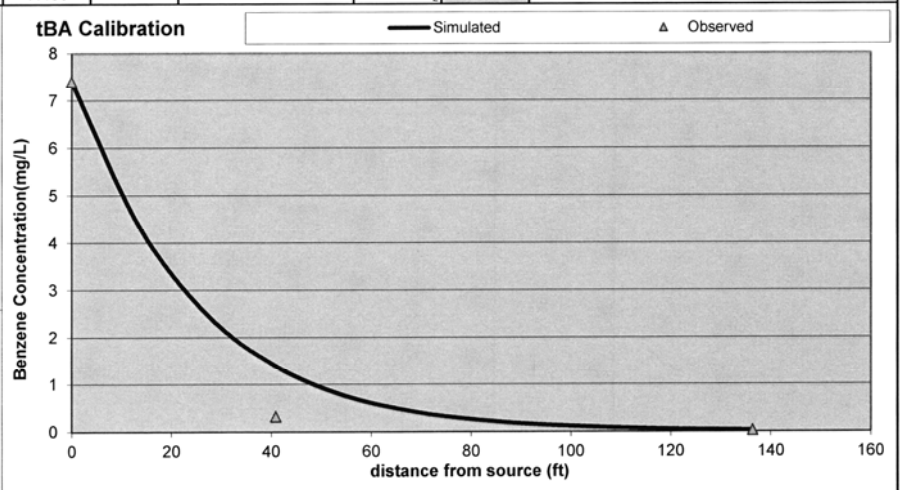
Site Name Lil Cricket 339

Model Calibration Parameters

$t_{1/2}$	1.3	yrs	λ	0.53308	yr^{-1}
v_x	10.2	ft/yr			
R	1.001				
v_R	10.193	ft/yr	C_{source}	7.4	mg/L
L_p	136.4	ft			
α_x	8.710344	ft	t_{sim}	60.8	yrs
α_y	0.871034	ft			
α_z	1E-99	ft			







Source	13.64	27.28	40.92	54.56	68.2	81.84	95.48	109.12	122.76	136.4
10	3.68262858	1.95382996	1.08121075	0.60779519	0.34402113	0.1954242	0.111269	0.063463	0.036249	0.020731
5	4.25786077	2.35946973	1.30797062	0.72795441	0.40674488	0.2281034	0.128347	0.072433	0.040987	0.023248
0	4.33626111	2.47618574	1.3850093	0.77081736	0.42944909	0.2399648	0.134535	0.075672	0.042691	0.024149
5	4.25786077	2.35946973	1.30797062	0.72795441	0.40674488	0.2281034	0.128347	0.072433	0.040987	0.023248
10	3.68262858	1.95382996	1.08121075	0.60779519	0.34402113	0.1954242	0.111269	0.063463	0.036249	0.020731

tAA Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	2.6	2.6
13.64		1.654
27.28		1.025
40.92	0.13	0.623
54.56		0.376
68.2		0.228
81.84		0.138
95.48		0.084
109.12		0.051
122.76		0.031
136.4	0.02	0.019

Temporal Calibration Data

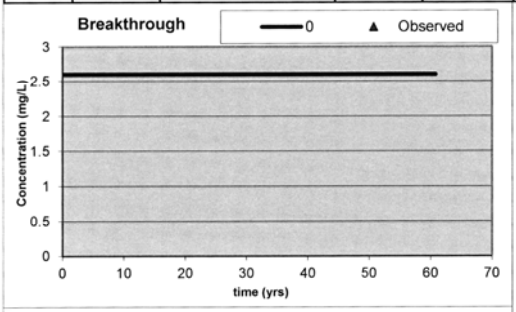
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		2.6		2.6
6.08		2.600		2.600
12.16		2.600		2.600
18.24		2.600		2.600
24.32		2.600		2.600
30.4		2.600		2.600
36.48		2.600		2.600
42.56		2.600		2.600
48.64		2.600		2.600
54.72		2.600		2.600
60.8		2.600		2.600

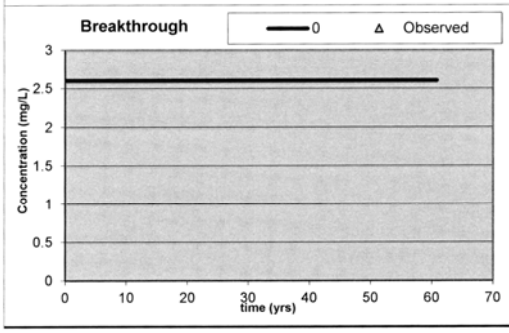
Site ID 07303

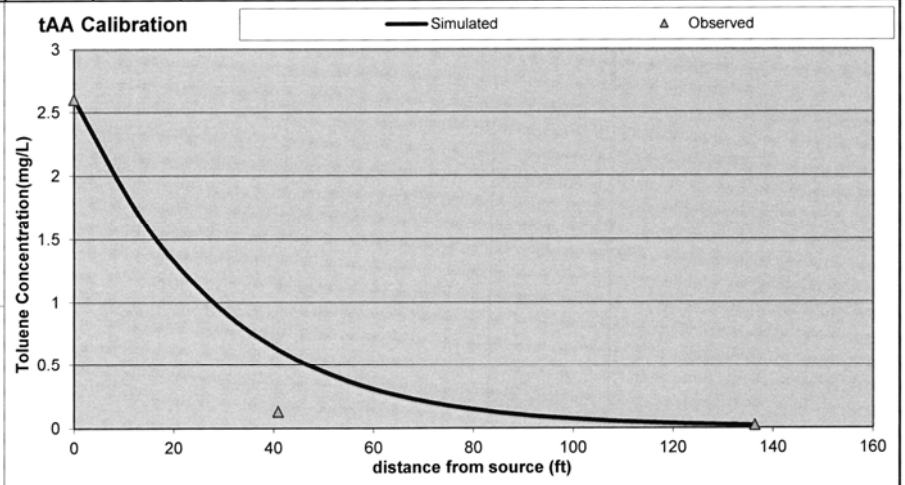
Site Name Lil Cricket 339

Model Calibration Parameters

$t_{1/2}$	1.6	yrs	λ	0.43313	yr^{-1}
v_x	10.2	ft/yr			
R	1.001				
v_R	10.193	ft/yr	C_{source}	2.6	mg/L
L_p	136.4	ft			
α_x	8.710344	ft	t_{sim}	60.8	yrs
α_y	0.871034	ft			
α_z	1E-99	ft			







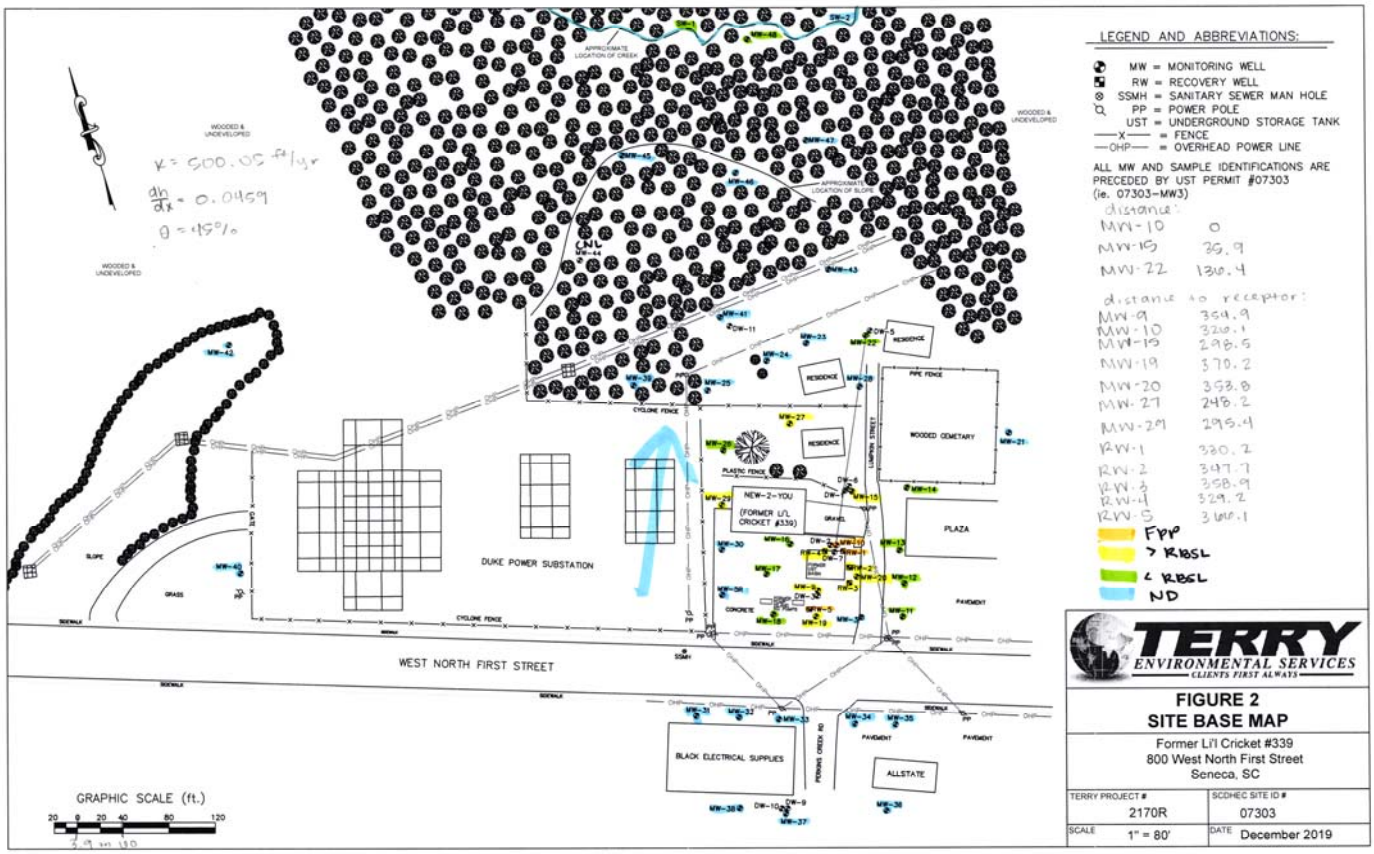
Source	13.64	27.28	40.92	54.56	68.2	81.84	95.48	109.12	122.76	136.4
10	1.40473078	0.80912477	0.48610785	0.29666963	0.18230329	0.1124298	0.069498	0.043034	0.026686	0.016569
5	1.62415186	0.97710928	0.58805814	0.3553203	0.21554179	0.1312305	0.080165	0.049117	0.030174	0.01858
0	1.65405751	1.025444	0.62269442	0.37624204	0.22757317	0.1380545	0.08403	0.051313	0.031428	0.019301
5	1.62415186	0.97710928	0.58805814	0.3553203	0.21554179	0.1312305	0.080165	0.049117	0.030174	0.01858
10	1.40473078	0.80912477	0.48610785	0.29666963	0.18230329	0.1124298	0.069498	0.043034	0.026686	0.016569

UST Permit # 07303

SSTLs t 1000 yrs Site Name: Lil Cricket 33

SSTLs in mg/L			RBSLs (mg/L):	1.400	0.240				
MW #	x (ft)	y (ft)	z (ft)	tBA SSTL	tAA SSTL				
MW-9	354.9			>99999	64650.557				
MW-10	326.1			>99999	24076.283				
MW-15	298.5			>99999	9317.044				
MW-19	370.2			>99999	>99999				
MW-20	353.8			>99999	62259.969				
MW-27	248.2			42616.659	1637.441				
MW-29	295.4			>99999	8373.099				
RW-1	330.2			>99999	27716.212				
RW-2	347.7			>99999	50516.917				
RW-3	358.9			>99999	74141.588				
RW-4	329.2			>99999	26780.764				
RW-5	366.1			>99999	94861.643				
			λ (yr^{-1}):	0.533	0.433				
			R:	1.001	1.001				

#07303 shallow BTEXMN, EDB, TAA, TBA



dhec
Healthy People. Healthy Communities.

JUL 01 2022

LIL CRICKET FOOD STORES
1410 COMMONWEALTH DR STE 202
WILMINGTON NC 28403

UST 134 DOCKETING

Re: **Site-Specific Work Plan Request for Groundwater Sampling**
Lil Cricket 339, 800 N W First St., Seneca, SC
UST Permit #07303
Release reported April 27, 1989
Monitoring Report received January 8, 2020
Oconee County

To Whom It May Concern:

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed the referenced report submitted by your contractor. The report documents petroleum chemicals in the soil and groundwater above Risk-Based Screening Levels.

To determine what risk the referenced release may pose to human health and the environment, and in accordance with Section 280.65 of the South Carolina Underground Storage Tank Control Regulations R.61-92, implementation of groundwater sampling is necessary. The groundwater sampling must be conducted in compliance with the current revision of the UST Quality Assurance Program Plan (QAPP), your contractor's Annual Contractor Quality Assurance Plan, and all applicable regulations. The QAPP is available at scdhec.gov/Environment/Land-Waste/Underground-Storage-Tanks/Release-Assessment-Clean/Quality-Assurance.

Groundwater samples should be collected from all monitoring wells associated with this release along with all water supply wells and surface waters within a 1,000 foot radius of the site. Samples should be analyzed for BTEX, Naphthalene, MTBE, 1,2-DCA, the 8 oxygenates, and EDB. All wells should be purged prior to sampling.

Your contractor must complete the SSWP and submit it within 30 days from the date of this letter. Every component may not be necessary to complete the above scope of work. The State Underground Petroleum Environmental Response Bank (SUPERB) Account allowable cost for each component is included on the Assessment Component Cost Agreement Form. **Please note that approval from DHEC must be issued before work begins.**

On all correspondence concerning this site, please reference UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-2946, by fax at (803) 898-0673, or by email at hawkij@dhec.sc.gov.

Sincerely,

Ireland Hawk, Hydrogeologist
Corrective Action & Field Support Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

cc: Terry Environmental Services Inc., PO Box 25, Summerville, SC 29484
Technical file

RECEIVED
JUL 14 2022
UST DIVISION

Site-Specific Work Plan for Approved ACQAP
Underground Storage Tank Management Division

To: Ireland Hawk (SCDHEC Project Manager)
From: Kelly Cone (Contractor Project Manager)
Contractor: TERRY Environmental Services, Inc. UST Contractor Certification Number: UCC-0223

Facility Name: Former Li'l Cricket #339 UST Permit #: 07303
Facility Address: 800 West North First Street, Seneca, South Carolina 29678
Responsible Party: Li'l Cricket Convenience Store (Mr. Jim Zuber) Phone: 910-512-9692
RP Address: 2010 Viburnum Lane, Asheville, NC 28803
Property Owner (if different): Thomas & Dorothy Glenn
Property Owner Address: 800 West North First Street, Seneca, South Carolina 29678
Current Use of Property: Commercial Property

UST 1354 DOCKETING

Scope of Work (Please check all that apply)

- ☐ IGWA
- ☐ Tier I
- ☐ Tier II
- ☐ Monitoring Well Installation
- ☑ Groundwater Sampling
- ☐ Other
- ☐ GAC

Analyses (Please check all that apply)

Groundwater/Surface Water:

- ☑ BTEXNMDCA (8260B)
- ☑ Oxygenates (8260B)
- ☑ EDB (8011)
- ☐ PAH (8270D)
- ☐ Lead
- ☐ 8 RCRA Metals
- ☐ TPH
- ☐ pH
- ☐ BOD
- ☐ Nitrate
- ☐ Sulfate
- ☐ Other
- ☐ Methane
- ☐ Ethanol
- ☐ Dissolved Iron

Drinking Water Supply Wells:

- ☐ BTEXNMDCA (524.2)
- ☐ Oxygenates & Ethanol (8260B)
- ☐ Mecury (200.8 245.1 or 245.2)
- ☐ RCRA Metals (200.8)
- ☐ EDB (504.1)

Soil:

- ☐ BTEXNM
- ☐ Lead
- ☐ RCRA Metals
- ☐ PAH
- ☐ Oil & Grease (9071)
- ☐ TPH-DRO (3550B/8015B)
- ☐ TPH-GRO (5030B/8015B)
- ☐ Grain Size
- ☐ TOC

Air:

- ☐ BTEXN

Sample Collection (Estimate the number of samples of each matrix that are expected to be collected.)

-- Soil	-- Water Supply Wells	-- Air	3 Field Blank
56 Monitoring Wells	2 Surface Water	3 Duplicate	3 Trip Blank

Field Screening Methodology

Estimate number and total completed depth for each point, and include their proposed locations on the attached map.

# of shallow points proposed: -- Estimated Footage: -- feet per point
# of deep points proposed: -- Estimated Footage: -- feet per point
Field Screening Methodology: --

Permanent Monitoring Wells

Estimate number and total completed depth for each well, and include their proposed locations on the attached map.

# of shallow wells: -- Estimated Footage: -- feet per point
# of deep wells: -- Estimated Footage: -- feet per point
# of recovery wells: -- Estimated Footage: -- feet per point
Comments, if warranted: --

UST Permit #: 07303 Facility Name: Former Li'l Cricket #339

Implementation Schedule (Number of calendar days from approval)

Field Work Start-Up: 14-30 days Field Work Completion: 30-45 days

Report Submittal: 60 days # of Copies Provided to Property Owners: _____

Aquifer Characterization

Pump Test: ☐ Slug Test: ☐ (Check one and provide explanation below for choice)

Investigation Derived Waste Disposal

Soil: -- Tons Purge Water: 110 Gallons

Drilling Fluids: -- Gallons Free-Phase Product: -- Gallons

Additional Details For This Scope of Work

For example, list wells to be sampled, wells to be abandoned/repaired, well pads/bolts/caps to replace, details of AFVR event, etc.

Conduct a comprehensive sampling event; monitoring wells MW-3, MW-5R, MW-9 thru MW-48, DW-1 thru DW-3, DW-5 thru DW-7, DW-9 thru DW-11, recovery wells RW-1 thru RW-5, and surface water locations SW-1 and SW-2 will be sampled. Per SCDHEC request, all monitoring wells will be purged prior to sampling.

NOTE: Monitoring well MW-44 was not previously located in December 2019. TERRY will make an effort to locate and sample the well.

Compliance With Annual Contractor Quality Assurance Plan (ACQAP)

Yes Laboratory as indicated in ACQAP? (Yes/No) If no, indicate laboratory information below.

Name of Laboratory: _____

SCDHEC Certification Number: _____

Name of Laboratory Director: _____

____ Well Driller as indicated in ACQAP? (Yes/No) If no, indicate driller information below.

Name of Well Driller: _____

SCLLR Certification Number: _____

____ Other variations from ACQAP. Please describe below.

Attachments

1. Attach a copy of the relevant portion of the USGS topographic map showing the site location.
2. Prepare a site base map. This map must be accurately scaled, but does not need to be surveyed. The map must include the following:
   - North Arrow
   - Location of property lines
   - Location of buildings
   - Previous soil sampling locations
   - Previous monitoring well locations
   - Proposed soil boring locations
   - Proposed monitoring well locations
   - Legend with facility name and address, UST permit number, and bar scale
   - Streets or highways (indicate names and numbers)
   - Location of all present and former ASTs and USTs
   - Location of all potential receptors
3. Assessment Component Cost Agreement, SCDHEC Form D-3664

Healthy People. Healthy Communities.

ASSESSMENT COMPONENT INVOICE

South Carolina
Department of Health and Environmental Control
Underground Storage Tank Management Division
State Underground Petroleum Environmental Response Bank Account
July 1, 2022

Facility Name: Former Li'l Cricket 339

UST Permit #: 07303 **Cost Agreement #:** Proposal

ITEM	QUANTITY	UNIT	UNIT PRICE		TOTAL
A. Plan Preparation					
1.1 Site-specific Work Plan	1	each	$169.65		$169.65
2.1 Tax Map		each	$79.17		$0.00
3.1 QAPP Contractor Addendum (App B)		each	$250.00		$0.00
B. Survey *					
1. Receptor Survey		each	$623.20		$0.00
C. Survey					
1.1 Comprehensive Survey		each	$1,176.26		$0.00
5. Ground Penetrating Radar Survey (100 x 100)		each	$1,029.23		$0.00
D. Mob/Demob					
1.1 Equipment		each	$1,153.64		$0.00
2.1 Personnel (J x3, Q)	4	each	$478.42		$1,913.68
3.1 Adverse Terrain Vehicle		each	$565.51		$0.00
E. Soil Borings*					
1. Soil Borings (hand auger)		foot	$5.66		$0.00
F. Soil Borings (requiring equipment, push technology, etc) or Field Screening (including sampling and analyst)*					
1.1 Standard		per foot	$16.97		$0.00
2.1 Fractured Rock		per foot	$21.84		$0.00
G.					
H. Well Abandonment (does not include Field Screening)*					
1.1 2" diameter or less		per foot	$3.51		$0.00
2.1 Greater than 2" to 6" diameter		per foot	$5.09		$0.00
3.1 Dug/Bored well (up to 6 feet diameter)		per foot	$16.96		$0.00
I. **Well Installation (In accordance with R.61-71)***					
1.1 Water Table (hand augered)		per foot	$11.99		$0.00
2.A Water Table (drill rig) 2" Diameter		per foot	$42.98		$0.00
2.1 Single-cased 2" Diameter Monitoring Well >50ft		per foot	$43.46		$0.00
3.1 Telescoping		per foot	$56.55		$0.00
4.1 Rock Drilling		per foot	$65.60		$0.00
5.1 2" Rock Coring		per foot	$34.95		$0.00
6.1 Multi-sampling ports/screens		per foot	$37.78		$0.00
7.1 Recovery Well (4" diameter)		per foot	$50.90		$0.00
9.1 Rotosonic (2" diameter)		per foot	$49.77		$0.00
10.1 Re-develop Existing Well		per foot	$12.44		$0.00
J. Groundwater Sample Collection / Gauging Depth to Water/Product *					
1.1 Groundwater Purge	56	per well	$67.86		$3,800.16
2.1 Air or Vapors		sample	$13.57		$0.00
3.1 Water Supply Sample		sample	$24.88		$0.00

4.1 HydraSleeve		sample	$53.00		$0.00
4.2A No-purge GW Sample/SW (2)	2	sample	$31.67		$63.34
5.1 Gauge Well only		sample	$7.92		$0.00
6.1 Sample Below Product		sample	$13.57		$0.00
7.1 Passive Diffusion Bag		sample	$29.40		$0.00
8.1 Field Dups (MWs & WSWs) and Field Blanks	6	sample	$27.83		$166.98
9.1 Groundwater (low flow purge)		sample	$102.93		$0.00
10.1 Equipment Blank		sample	$27.83		$0.00
11. Sample Product		per well	$48.76		$0.00
K. Laboratory Analyses-Groundwater					
1.1 BTEXNM+Oxyg's+1,2 DCA+Eth(8260D)	67	per sample	$137.98		$9,244.66
2.1 Lead, Filtered		per sample	$15.60		$0.00
3.1 Rush EPA Method 8260B		per sample	$173.72		$0.00
4.1 Trimethal, Butyl, and Isopropyl Benzenes		per sample	$31.67		$0.00
5.1 PAH's		per sample	$68.54		$0.00
6.1 Lead		per sample	$18.09		$0.00
7.1 EDB by EPA 8011	64	per sample	$51.12		$3,271.68
8.1 EDB by EPA Method 8011 Rush		per sample	$77.14		$0.00
9.1 8 RCRA Metals		per sample	$71.71		$0.00
10.1 TPH (9070)		per sample	$46.38		$0.00
11.1 PH		per sample	$5.88		$0.00
12.1 BOD		per sample	$22.62		$0.00
13.1 Ethanol		per sample	$16.74		$0.00
K. Analyses-Drinking Water					
14.1 BTEXNM+1,2 DCA (524.2)		per sample	$140.30		$0.00
15.1 7-OXYGENATES & ETHANOL (8260D)		per sample	$103.77		$0.00
16.1 EDB (504.1)		per sample	$89.92		$0.00
17.1 RCRA METALS (200.8)		per sample	$113.10		$0.00
K. Analyses-Soil					
18.1 BTEX + Naphth.		per sample	$72.39		$0.00
19.1 PAH's		per sample	$72.43		$0.00
20.1 8 RCRA Metals		per sample	$63.79		$0.00
21.1 TPH-DRO (3550C/8015C)		per sample	$45.24		$0.00
22.1 TPH- GRO (5035B/8015C)		per sample	$40.67		$0.00
23.1 Grain size/hydrometer		per sample	$117.63		$0.00
24.1 Total Organic Carbon		per sample	$34.61		$0.00
K. Analyses-Air					
25.1 BTEX + Naphthalene		per sample	$244.30		$0.00
K. Hydrocarbon Fuel Identification					$0.00
27. C3-C44 Whole Oil (ASTM D3328)		per sample	$431.42		$0.00
28. Fuel Oxygenates (1624 Mod)		per sample	$368.88		$0.00
29. ALKYL Leads, EDB MMT (8080)		per sample	$368.88		$0.00
30. C8-C40 Full Scan (ASTM 5739)		per sample	$583.00		$0.00
31. Simulated Distillation (ASTM 2887)		per sample	$368.88		$0.00
32. Parent & Alk. PAH Com. (8270 SIM)		per sample	$670.03		$0.00
33. C3-C10 Piano (8260 MOD)		per sample	$555.44		$0.00
34. C10+Alkane Fingerprints		per sample	$555.44		$0.00
35. Expert Data Interpretation & Report		each	$551.20		$0.00

L. Aquifer Characterization*					
1.1 Pumping Test		per hour	$26.01		$0.00
2.1 Slug Test		per test	$216.03		$0.00
3.1 Fractured Rock		per test	$113.10		$0.00
M. Free Product *					
1. Free Product Recovery Rate Test		each	$42.98		$0.00
N.					
O. Risk Evaluation					
1.1 Tier I Risk Evaluation		each	$339.31		$0.00
2.1 Tier II Risk Evaluation		each	$113.10		$0.00
P. Survey*					
1. Subsequent Survey		each	$275.60		$0.00
Q. Disposal (gallons or tons)*					
1.1 Wastewater	110	gallon	$0.64		$70.40
2.1 Free Product		gallon	$0.56		$0.00
3.1 Soil Treatment/Disposal		ton	$67.86		$0.00
4.1 Drilling fluids		gallon	$0.48		$0.00
R. Miscellaneous (attach receipts)					
		each	$0.00		$0.00
		each	$0.00		$0.00
		each	$0.00		$0.00
T. Tier I Assessment (Use DHEC 3665 form)					
1.1 Southeast Region		standard	$11,687.56		$0.00
2.1 All Other Counties		standard	$12,818.58		$0.00
U. IGWA (Use DHEC 3666 form)					
1.1 Southeast Region		standard	$4,031.18		$0.00
2.1 All Other Counties		standard	$4,370.38		$0.00
22. Active Correction Action		PFP	Bid Cost		$0.00
W. Aggressive Fluid & Vapor Recovery (AFVR)					
1.1 8-hour Event*		per event	$1,655.00		$0.00
2. 24-hour Event*		per event	$4,081.28		$0.00
3. 48-hour Event*		per event	$6,706.10		$0.00
4. 96-hour Event*		per event	$13,409.52		$0.00
5. Off-gas Treatment 8 hour		per event	$130.71		$0.00
6.1 Off-gas Treatment 24 hour		per event	$272.50		$0.00
7.1 Off-gas Treatment 48 hour		per event	$357.50		$0.00
8. Off-gas Treatment 96 hour		per event	$832.26		$0.00
9. Off-gas Treatment 8 hour (w/chlorinated compounds)		per event	$430.00		$0.00
10. Off-gas Treatment 24 hour (w/chlorinated compounds)		per event	$500.00		$0.00
11. Off-gas Treatment 48 hour (w/chlorinated compounds)		per event	$1,000.00		$0.00
12. Off-gas Treatment 96 hour (w/chlorinated compounds)		per event	$2,000.00		$0.00
13.1 AFVR Effluent Disposal(w/chlorinated compounds)		gallon	$0.59		$0.00
14.1 AFVR Site Reconnaissance		each	$280.00		$0.00
15. Additional Hook-ups		each	$27.48		$0.00
16.1 AFVR Effluent Disposal		gallon	$0.49		$0.00
17.1 AFVR Mobilization/Demobilization		each	$720.00		$0.00
18. Mobilization for absorbents/skimmers		each	$531.25		$0.00
19. Well sock 2" ID well		each	$34.20		$0.00

20. Well sock 4" ID well		each	$45.40		$0.00
21. pad (per pad)		each	$46.25		$0.00
22. 3" diameter x 10' length boom		each	$100.00		$0.00
23. 5" diameter x 10' length boom		each	$123.00		$0.00
24. New FPP recovery skimmer (2" wells)		each	$732.50		$0.00
25. New FPP recovery skimmer (4" wells)		each	$1,155.00		$0.00
26. Refurbished FPP recovery skimmer (2" or 4" wells)		each	$704.00		$0.00
27. Disposal of Absorbents		pound	$3.80		$0.00
28. Disposal of product from skimmers		gallon	$0.46		$0.00
X. Granulated Activated Carbon (GAC) filter system installation & service:					
1.1 New GAC System Installation*		each	$2,148.94		$0.00
2.1 Refurbished GAC Sys. Install*		each	$1,017.92		$0.00
3.1 Filter replacement/removal*		each	$395.86		$0.00
4.1 GAC System removal, cleaning, & refurbishment*		each	$311.04		$0.00
5.1 GAC System housing*		each	$282.76		$0.00
6.1 In-line particulate filter		each	$169.65		$0.00
7.1 Additional piping & fittings		foot	$1.70		$0.00
Y. Well Repair					
1.1 Additional Copies of the Report Delivered		each	$56.55		$0.00
2.1 Repair 2x2 MW pad*		each	$56.55		$0.00
3.1 Repair 4x4 MW pad*		each	$99.53		$0.00
4.1 Replace well vault*		each	$133.46		$0.00
5.1 Replace well cover bolts		each	$2.94		$0.00
6.1 Replace locking well cap & lock		each	$16.96		$0.00
7.1 Replace/Repair stick-up*		each	$151.56		$0.00
8.1 Convert Flush-mount to Stick-up*		each	$169.65		$0.00
9.1 Convert Stick-up to Flush-mount*		each	$147.03		$0.00
10.1 Replace missing/illegible well ID plate		each	$13.57		$0.00
11. Down-hole Camera		per foot	$27.08		$0.00
Z. **High Resolution Site Characterization**					
1. HRSC Screening Equipment Mobilization		each	$1,360.00		$0.00
2. HRSC Drilling Category 1		per foot	$29.00		$0.00
3. HRSC Drilling Category 2		per foot	$33.50		$0.00
4. HRSC Drilling Category 3		per foot	$27.00		$0.00
5. HRSC 3-D Model		each	$4,040.00		$0.00
S. Report Prep & Project Management	12%	percent	$18,700.55		$2,244.07
TOTAL					$20,944.62

DHEC D-4293 (06/2022) *The appropriate mobilization cost can be added to complete these tasks, as necessary

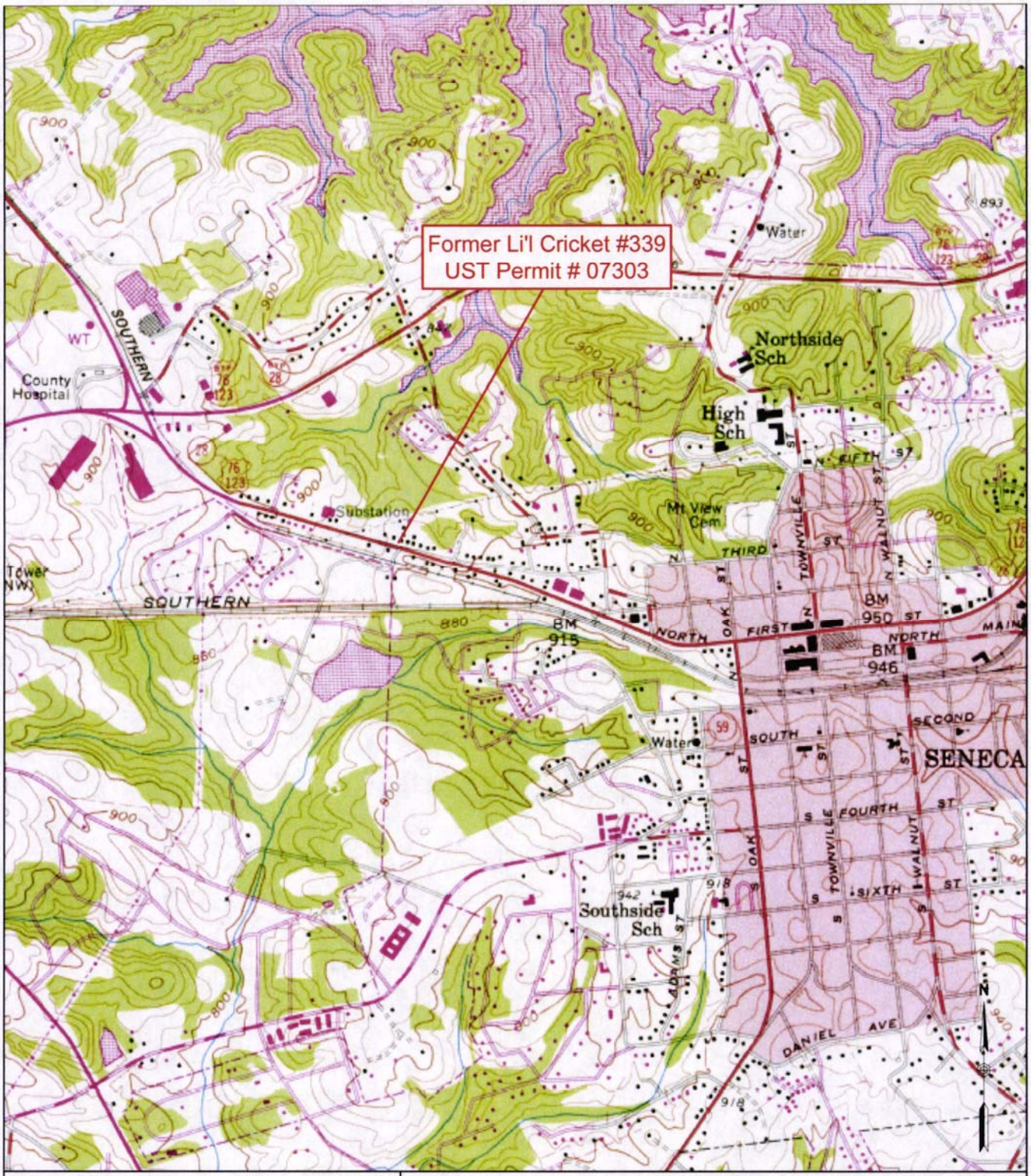


FIGURE 1
TOPOGRAPHIC MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, South Carolina

TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

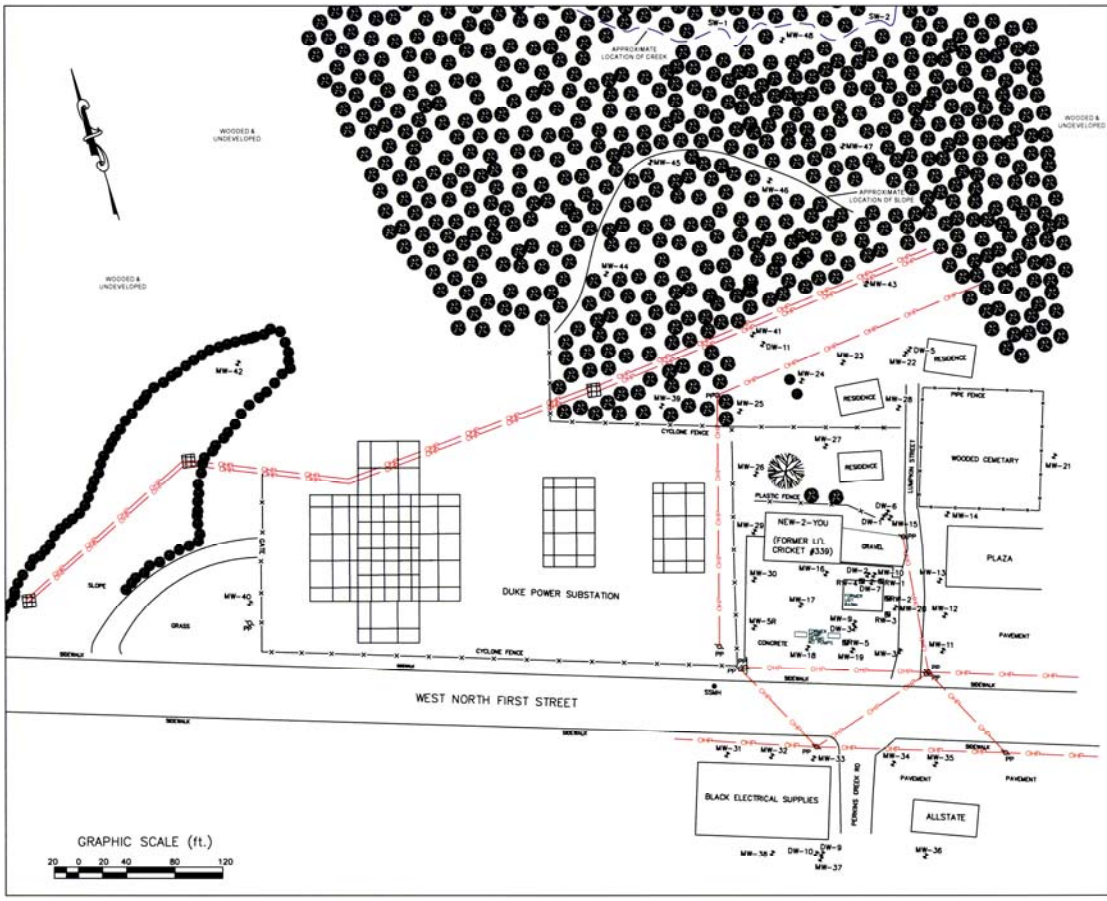
... providing our clients with the best services available, actually understanding our clients objectives, and making their obectives our own!

PO Box 25
Summerville, South Carolina 29484
(800) 325-0605 (843)-873-8200 fax: (843)-873-8765

SIZE	TERRY Project No.	DWG NO.	REV
B	2170T	Figure 1 Topo Map	

SCALE: As Shown

DATE: July 2022



TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

FIGURE 2
SITE BASE MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170T	07303
SCALE 1" = 80'	DATE July 2022

SUPERB COST AGREEMENT CHECKLIST

SL 7/28/22

!!! Update payment code, task screen, punch list, status, etc. in tracking system !!!

UST Permit Name: Lil Cricket 339 UST Permit #: 07303

Date Release Reported: 4/27/1989 Release #: 1 Project Manager: Ireland Hawk

Priority Class (Circle): Emergency / 1 2A (2B) 3A 3B 4A 4B 5

Category: ☐ Assessment ☐ ACA ■ MNA ☐ FP Recovery

Description of Work: GWS Event

Cost Agreement #: 65866 Amount Approved: $20,944.62

Cost Agreement Type

Commited/Currently Funded (WS) ■

SUPERB Paid to Date: $577,350.58

Non-commited Contracts (WC)

To SUPERB $25,000 Deductible (W25)

Committed (CA>$25K)

Prior total toward $25K:

To complete $25K:

Over $25K:

Non-committed (CA<$25K):

Cost Agreement Duration

■ 4 Months (120 Days) ☐ 2 Months (60 Days)

☐ Other _____

UST 46F DOCKETING

Payee & Address:

Terry Environmental Services, Inc.

PO Box 25

Summerville, SC 29484

Contractor Certification #: UCC-0223

Rate Schedule:

State Lead	O/O Lead
IGWA	■ SUPERB Allowable
Tier I	Analytical
Tier II	GAC
Analytical	Other _____
Sampling	
GAC	

PO# FR4100093468

Project Manager: [signature] Date: 07-25-2022

Accountant: M. Dennison Date: 7-27-22

Financial Supervisor: RO Date: 7-29-22

Technical Supervisor: Stephanie Burney Date: 7/26/22

ASSESSMENT COMPONENT COST AGREEMENT

South Carolina

Department of Health and Environmental Control

Underground Storage Tank Management Division

State Underground Petroleum Environmental Response Bank Account

July 1, 2022

Healthy People. Healthy Communities.

Facility Name: Lil Cricket 339

UST Permit #: 07303 **Cost Agreement #:** 658616

ITEM	QUANTITY	UNIT	UNIT PRICE		TOTAL
A. Plan Preparation					
1.1 Site-specific Work Plan	1	each	$169.65		$169.65
2.1 Tax Map		each	$79.17		$0.00
3.1 QAPP Contractor Addendum (App B)		each	$250.00		$0.00
B. Survey *					
1. Receptor Survey		each	$623.20		$0.00
C. Survey					
1.1 Comprehensive Survey		each	$1,176.26		$0.00
5. Ground Penetrating Radar Survey (100 x 100)		each	$1,029.23		$0.00
D. Mob/Demob					
1.1 Equipment		each	$1,153.64		$0.00
2.1 Personnel	4	each	$478.42		$1,913.68
3.1 Adverse Terrain Vehicle		each	$565.51		$0.00
E. Soil Borings*					
1. Soil Borings (hand auger)		foot	$5.66		$0.00
F. Soil Borings (requiring equipment, push technology, etc) or Field Screening (including sampling and analyst)*					
1.1 Standard		per foot	$16.97		$0.00
2.1 Fractured Rock		per foot	$21.84		$0.00
G.					
H. Well Abandonment (does not include Field Screening)*					
1.1 2" diameter or less		per foot	$3.51		$0.00
2.1 Greater than 2" to 6" diameter		per foot	$5.09		$0.00
3.1 Dug/Bored well (up to 6 feet diameter)		per foot	$16.96		$0.00
I. Well Installation (In accordance with R.61-71)*					
1.1 Water Table (hand augered)		per foot	$11.99		$0.00
2.A Water Table (drill rig) 2" Diameter		per foot	$42.98		$0.00
2.1 Single-cased 2" Diameter Monitoring Well >50ft		per foot	$43.46		$0.00
3.1 Telescoping		per foot	$56.55		$0.00
4.1 Rock Drilling		per foot	$65.60		$0.00
5.1 2" Rock Coring		per foot	$34.95		$0.00
6.1 Multi-sampling ports/screens		per foot	$37.78		$0.00
7.1 Recovery Well (4" diameter)		per foot	$50.90		$0.00
9.1 Rotosonic (2" diameter)		per foot	$49.77		$0.00
10.1 Re-develop Existing Well		per foot	$12.44		$0.00
J. Groundwater Sample Collection / Gauging Depth to Water/Product *					

1.1 Groundwater Purge	56	per well	$67.86		$3,800.16
2.1 Air or Vapors		sample	$13.57		$0.00
3.1 Water Supply Sample		sample	$24.88		$0.00
4.1 HydraSleeve		sample	$53.00		$0.00
4.2A No-purge Groundwater Sample/Surface water	2	sample	$31.67		$63.34
5.1 Gauge Well only		sample	$7.92		$0.00
6.1 Sample Below Product		sample	$13.57		$0.00
7.1 Passive Diffusion Bag		sample	$29.40		$0.00
8.1 Field Duplicates (MWs & WSWs) and Field Blar	6	sample	$27.83		$166.98
9.1 Groundwater (low flow purge)		sample	$102.93		$0.00
10.1 Equipment Blank		sample	$27.83		$0.00
11. Sample Product		per well	$48.76		$0.00
K. Laboratory Analyses-Groundwater					
1.1 BTEXNM+Oxyg's+1,2 DCA+Eth(8260D)	67	per sample	$137.98		$9,244.66
2.1 Lead, Filtered		per sample	$15.60		$0.00
3.1 Rush EPA Method 8260B		per sample	$173.72		$0.00
4.1 Trimethal, Butyl, and Isopropyl Benzenes		per sample	$31.67		$0.00
5.1 PAH's		per sample	$68.54		$0.00
6.1 Lead		per sample	$18.09		$0.00
7.1 EDB by EPA 8011	64	per sample	$51.12		$3,271.68
8.1 EDB by EPA Method 8011 Rush		per sample	$77.14		$0.00
9.1 8 RCRA Metals		per sample	$71.71		$0.00
10.1 TPH (9070)		per sample	$46.38		$0.00
11.1 PH		per sample	$5.88		$0.00
12.1 BOD		per sample	$22.62		$0.00
13.1 Ethanol		per sample	$16.74		$0.00
K. Analyses-Drinking Water					
14.1 BTEXNM+1,2 DCA (524.2)		per sample	$140.30		$0.00
15.1 7-OXYGENATES & ETHANOL (8260D)		per sample	$103.77		$0.00
16.1 EDB (504.1)		per sample	$89.92		$0.00
17.1 RCRA METALS (200.8)		per sample	$113.10		$0.00
K. Analyses-Soil					
18.1 BTEX + Naphth.		per sample	$72.39		$0.00
19.1 PAH's		per sample	$72.43		$0.00
20.1 8 RCRA Metals		per sample	$63.79		$0.00
21.1 TPH-DRO (3550C/8015C)		per sample	$45.24		$0.00
22.1 TPH- GRO (5035B/8015C)		per sample	$40.67		$0.00
23.1 Grain size/hydrometer		per sample	$117.63		$0.00
24.1 Total Organic Carbon		per sample	$34.61		$0.00
K. Analyses-Air					
25.1 BTEX + Naphthalene		per sample	$244.30		$0.00
K. Hydrocarbon Fuel Identification					$0.00
27. C3-C44 Whole Oil (ASTM D3328)		per sample	$431.42		$0.00
28. Fuel Oxygenates (1624 Mod)		per sample	$368.88		$0.00
29. ALKYL Leads, EDB MMT (8080)		per sample	$368.88		$0.00
30. C8-C40 Full Scan (ASTM 5739)		per sample	$583.00		$0.00
31. Simulated Distillation (ASTM 2887)		per sample	$368.88		$0.00

32. Parent & Alk. PAH Com. (8270 SIM)		per sample	$670.03		$0.00
33. C3-C10 Piano (8260 MOD)		per sample	$555.44		$0.00
34. C10+Alkane Fingerprints		per sample	$555.44		$0.00
35. Expert Data Interpretation & Report		each	$551.20		$0.00
L. Aquifer Characterization*					
1.1 Pumping Test		per hour	$26.01		$0.00
2.1 Slug Test		per test	$216.03		$0.00
3.1 Fractured Rock		per test	$113.10		$0.00
M. Free Product *					
1. Free Product Recovery Rate Test		each	$42.98		$0.00
N.					
O. Risk Evaluation					
1.1 Tier I Risk Evaluation		each	$339.31		$0.00
2.1 Tier II Risk Evaluation		each	$113.10		$0.00
P. Survey*					
1. Subsequent Survey		each	$275.60		$0.00
Q. Disposal (gallons or tons)*					
1.1 Wastewater	110	gallon	$0.64		$70.40
2.1 Free Product		gallon	$0.56		$0.00
3.1 Soil Treatment/Disposal		ton	$67.86		$0.00
4.1 Drilling fluids		gallon	$0.48		$0.00
R. Miscellaneous (attach receipts)					
		each	$0.00		$0.00
		each	$0.00		$0.00
		each	$0.00		$0.00
T. Tier I Assessment (Use DHEC 3665 form)					
1.1 Southeast Region		standard	$11,687.56		$0.00
2.1 All Other Counties		standard	$12,818.58		$0.00
U. IGWA (Use DHEC 3666 form)					
1.1 Southeast Region		standard	$4,031.18		$0.00
2.1 All Other Counties		standard	$4,370.38		$0.00
V. Active Correction Action		PFP	Bid Cost		$0.00
W. Aggressive Fluid & Vapor Recovery (AFVR)					
1.1 8-hour Event*		per event	$1,655.00		$0.00
2. 24-hour Event*		per event	$4,081.28		$0.00
3. 48-hour Event*		per event	$6,706.10		$0.00
4. 96-hour Event*		per event	$13,409.52		$0.00
5. Off-gas Treatment 8 hour		per event	$130.71		$0.00
6.1 Off-gas Treatment 24 hour		per event	$272.50		$0.00
7.1 Off-gas Treatment 48 hour		per event	$357.50		$0.00
8. Off-gas Treatment 96 hour		per event	$832.26		$0.00
9. Off-gas Treatment 8 hour (w/chlorinated compounds)		per event	$430.00		$0.00
10. Off-gas Treatment 24 hour (w/chlorinated compounds)		per event	$500.00		$0.00
11. Off-gas Treatment 48 hour (w/chlorinated compounds)		per event	$1,000.00		$0.00
12. Off-gas Treatment 96 hour (w/chlorinated compounds)		per event	$2,000.00		$0.00
13.1 AFVR Effluent Disposal(w/chlorinated compounds)		gallon	$0.59		$0.00
14.1 AFVR Site Reconnaissance		each	$280.00		$0.00

15. Additional Hook-ups		each	$27.48		$0.00
16.1 AFVR Effluent Disposal		gallon	$0.49		$0.00
17.1 AFVR Mobilization/Demobilization		each	$720.00		$0.00
18. Mobilization for absorbents/skimmers		each	$531.25		$0.00
19. Well sock 2" ID well		each	$34.20		$0.00
20. Well sock 4" ID well		each	$45.40		$0.00
21. pad (per pad)		each	$46.25		$0.00
22. 3" diameter x 10' length boom		each	$100.00		$0.00
23. 5" diameter x 10' length boom		each	$123.00		$0.00
24. New FPP recovery skimmer (2" wells)		each	$732.50		$0.00
25. New FPP recovery skimmer (4" wells)		each	$1,155.00		$0.00
26. Refurbished FPP recovery skimmer (2" or 4" wells)		each	$704.00		$0.00
27. Disposal of Absorbents		pound	$3.80		$0.00
28. Disposal of product from skimmers		gallon	$0.46		$0.00
X. Granulated Activated Carbon (GAC) filter system installation & service:					
1.1 New GAC System Installation*		each	$2,148.94		$0.00
2.1 Refurbished GAC Sys. Install*		each	$1,017.92		$0.00
3.1 Filter replacement/removal*		each	$395.86		$0.00
4.1 GAC System removal, cleaning, & refurbishment*		each	$311.04		$0.00
5.1 GAC System housing*		each	$282.76		$0.00
6.1 In-line particulate filter		each	$169.65		$0.00
7.1 Additional piping & fittings		foot	$1.70		$0.00
Y. Well Repair					
1.1 Additional Copies of the Report Delivered		each	$56.55		$0.00
2.1 Repair 2x2 MW pad*		each	$56.55		$0.00
3.1 Repair 4x4 MW pad*		each	$99.53		$0.00
4.1 Replace well vault*		each	$133.46		$0.00
5.1 Replace well cover bolts		each	$2.94		$0.00
6.1 Replace locking well cap & lock		each	$16.96		$0.00
7.1 Replace/Repair stick-up*		each	$151.56		$0.00
8.1 Convert Flush-mount to Stick-up*		each	$169.65		$0.00
9.1 Convert Stick-up to Flush-mount*		each	$147.03		$0.00
10.1 Replace missing/illegible well ID plate		each	$13.57		$0.00
11. Down-hole Camera		per foot	$27.08		$0.00
Z. High Resolution Site Characterization					
1. HRSC Screening Equipment Mobilization		each	$1,360.00		$0.00
2. HRSC Drilling Category 1		per foot	$29.00		$0.00
3. HRSC Drilling Category 2		per foot	$33.50		$0.00
4. HRSC Drilling Category 3		per foot	$27.00		$0.00
5. HRSC 3-D Model		each	$4,040.00		$0.00
S. Report Prep & Project Management	12%	percent	$18,700.55		$2,244.07
TOTAL					$20,944.62

dhec
Healthy People. Healthy Communities.

JUL 29 2022

LIL CRICKET FOOD STORES
1410 COMMONWEALTH DRIVE STE 202
WILMINGTON NC 28403

Re: **Site Specific Work Plan Approval and Groundwater Sampling Notice to Proceed**
Lil Cricket 339, 800 North West First Street, Seneca, SC
UST Permit #07303; CA #65866
Release #1 reported April 27, 1989
Site Specific Work Plan received July 14, 2022
Oconee County

To Whom It May Concern:

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed and approved the referenced Site Specific Work Plan (SSWP) submitted by your contractor. The groundwater sampling event should begin immediately upon receipt of this letter. All work should be conducted in compliance with the current revision of the UST Quality Assurance Program Plan (QAPP), your contractor's Annual Contractor Quality Assurance Plan, and all applicable regulations. The QAPP is available at scdhec.gov/environment/land-waste/underground-storage-tanks/release-assessment-clean/quality-assurance.

The contractor must provide notification to the UST Project Manager via email 4 days prior to initiation of any site rehabilitation activities. If there are any changes to the schedule, the UST Project Manager must be contacted within 24 hours of those changes.

In accordance with Section IV.A.4.c of the SUPERB Site Rehabilitation & Fund Access Regulation (R.61-98), the contractor shall be required to indemnify the property owner, underground storage tank owner/operator and the State of South Carolina from and against all claims, damages, losses and expenses arising out of or resulting from activity conducted by the contractor, its agents, employees or subcontractors.

Your contractor can submit an invoice for direct payment from the State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. **The Monitoring Report, contractor checklist (QAPP Appendix K), and invoice should be submitted to the UST Division within sixty (60) days of the date of this correspondence.** If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

Pursuant to S.C. Code Ann. Section 44-2-40(D), "The SUPERB Account and the SUPERB Financial Responsibility Fund shall provide combined coverage for site rehabilitation and third party claims, respectively, not to exceed one million dollars per occurrence". According to UST Division records, approximately $577,350.58 has been expended from the SUPERB Account to date. This scope of work, as recommended by your contractor, is anticipated to cost approximately $20,944.62.

Please note that sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that the SUPERB Account cannot compensate any costs that are not pre-approved. If for any reason additional tasks will be completed, these additional tasks, and the associated cost, must be pre-approved by the UST Division for the cost to be paid. The UST Division 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, the UST Division reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

Please note that applicable South Carolina certification requirements regarding laboratory services, well installation, and report preparation must be satisfied. Any site rehabilitation activity associated with the UST release must be performed by a DHEC-certified site rehabilitation contractor as required by the SUPERB Site Rehabilitation and Fund Access Regulation, R.61-98.

The UST Division 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 Chemical of Concern (CoC) concentrations based on laboratory analysis is 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.

On all correspondence regarding this site, please reference the UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-2946, by fax at (803) 898-0673, or by email at hawkij@dhec.sc.gov.

Sincerely,

Ireland Hawk, Hydrogeologist
Corrective Action & Field Support Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

enc: Approved Cost Agreement

cc: Terry Environmental Services, Inc., PO Box 25, Summerville, SC 29484 (w/ enc)
Technical file (w/ enc)

Approved Cost Agreement 65866

Facility: 07303 LIL CRICKET 339
HAWKIJ
PO Number: 93468

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
A PLAN PREPARATION						
		1.1	SITE SPECIFIC WORK PLAN	1.0000	$169.650	169.65
D MOB/DEMOB						
		2.1	PERSONNEL	4.0000	$478.420	1,913.68
J SAMPLE COLLECTION						
		1.1	GROUND WATER PURGE	56.0000	$67.860	3,800.16
		4.2A	NO-PURGE GW SAMPLE/SURFACE	2.0000	$31.670	63.34
		8.1	FIELD DUPL. (MWS & WSWS) & FB	6.0000	$27.830	166.98
K ANALYSES						
	GW GROUNDWATER	1.1	BTEXNM+OXYGS+1,2 DCA+ETH-8260D	67.0000	$137.980	9,244.66
		7.1	EDB BY EPA 8011	64.0000	$51.120	3,271.68
Q DISPOSAL						
		1.1	WASTEWATER	110.0000	$0.640	70.40
S REPORT PROJECT MANAGEMENT						
		S	REPORT PREP & PROJ. MANAGEMENT	0.1200	$18,700.550	2,244.07
				Total Amount		20,944.62

Document Receipt Information

☐ **Hard Copy** ■ **CD**

Date Received 10-14-22

Permit Number 07303

Project Manager Ireland Hawk

Name of Contractor TES

Docket Title GWM

Document Number 137 Tech

Scanned _____

GROUNDWATER MONITORING REPORT
FORMER LI'L CRICKET #339
800 WEST NORTH FIRST STREET
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
CA #65866

Prepared For:

SCDHEC UNDERGROUND STORAGE TANK PROGRAM
2600 BULL ST.
COLUMBIA, SC 29201

Submitted By:

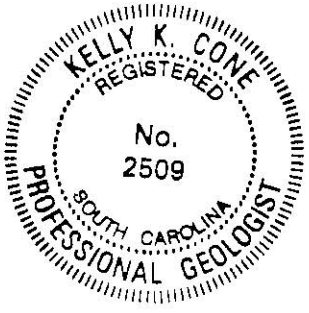
TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. BOX 25
SUMMERVILLE, SOUTH CAROLINA 29484
(843) 873-8200
Fax (843) 225-3472
www.terryenvironmental.com

UST CONTRACTOR #UCC-0223
TERRY PROJECT #2170T

Kelly K. Cone, PG
Vice President, Assessment Services

Jason A. Terry, PG
President



OCTOBER 2022

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A. INTRODUCTION

1. UST Facility and Owner/Operator Information

Facility Name (Permit #): Former Li'l Cricket #339 (07303)
Facility Address: 800 West North First Street, Seneca, South Carolina 29678
Facility Telephone: n/a – Not Operating

Owner/ Operator Name: Li'l Cricket Convenience Stores (Mr. Jim Zuber)
Owner/ Operator Address: 2010 Viburnum Lane, Asheville, NC 28803
Owner/ Operator Telephone: 910-512-9692

2. Property Owner Information

Name: Thomas & Dorothy Glenn
Address: 800 West North First Street, Seneca, South Carolina 29678
Telephone: 864-710-8747

3. Contractor Information

Name: Terry Environmental Services, Inc.
Address: P.O. Box 25, Summerville, South Carolina 29484
Telephone: 843-873-8200
Certification: UCC-0223

4. Well Driller Information

Not Applicable

5. Laboratory Information

Name: Pace Analytical Services, LLC
Address: 106 Vantage Point Drive, Columbia, SC 29172
Telephone: 803-791-9700
Certification: 32010001

6. Site History

Date Release Reported to SCDHEC: April 27, 1989
Estimated Quantity of Product Released: Unknown
Cause of Release: Unknown
Current use of Facility: Commercial property

UST #	Product	Date Installed	Currently In Use (Yes or No)	If not in use, Date Removed
1 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
2 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
3 (4,000 gal)	Gasoline	Unknown	No	2/22/2000
4 (4,000 gal)	Kerosene	Unknown	No	2/22/2000

Other Releases at this site? Yes _____ No **XXXX**
If yes, Date Release Reported to SCDHEC n/a
Status of Release: **n/a**
No Further Action Date: n/a

7. Regional Geology and Hydrogeology

The Former Li'l Cricket #339 site is located in Seneca, SC which lies in the Western Piedmont Province of South Carolina approximately 20 miles to the southeast of the Brevard fault zone. The western piedmont is comprised of the Inner Piedmont block, the Smith River allochthon, and the Sauratwon Mountain window. The Inner Piedmont block encompasses the Inner Piedmont belt and the Chauga belt, and consists of a composite stack of thrust sheets containing a variety of gneisses, schists, amphibolites, sparse ultramafic bodies, and intrusive granitoids. (The Geology of the Carolinas, Horton & Zullo, 1991)

The Former Li'l Cricket #339 site is located in the Inner Piedmont Belt which consists of sillimanite-grade regional metamorphism that decreases in grade to the northwest towards Pickens. Generally, wells drilled to depths less than 250 feet in the rocks of the Inner Piedmont Belt of Pickens County yield one-half to 500 gallons per minute. The highest average yields were obtained from wells drilled in biotite granite gneiss and the lowest average yields were from wells drilled in hornblende gneiss. The average yield of all wells inventoried was 21 gallons per minute. (USGS/SCWRC Report 1: A Reconnaissance of the Water Resources of Pickens County, South Carolina, 1968)

B. RECEPTOR SURVEY & SITE DATA

1. Receptor Survey Results

A receptor survey was not conducted during this scope of work.

2. Current Site and Adjacent Land Use

Description of current site use (commercial, residential, rural, etc.):
Commercial

Description of adjacent land use (commercial, residential, rural, etc):
Commercial, residential, and Duke Power substation

UST sites within a 1,000-foot radius:
Unknown

The site is located at 800 West North First Street in Seneca, South Carolina. The site is bordered to the north by residential property, to the east by commercial property, to the south by West North First Street, and to the west by a Duke Power substation. Further to the south across West North First Street are commercial properties. The general site location is shown on the Topographic Map provided in Section J as Figure 1. A detailed Site Base Map originating from a comprehensive survey completed by Jay S. Joshi (SC Registered Land Surveyor #14811) of Construction Support Services, Inc. on October 8, 2008 is provided in Appendix 1 as Figure 2.

3. Site-Specific Geology and Hydrogeology

Based on the Tier II Assessment reported in March 2009, the general soil profile onsite consists of mostly clayey silt and sandy silt. Partially weathered rock and/or bedrock were encountered at depths ranging from approximately 28 feet to 45 feet below ground surface (bgs). The Site Potentiometric Maps (Figures 5A and 5B, Section J) indicate that shallow groundwater flow is generally to the north and deep groundwater flow is generally to the north-northeast.

C. SOIL ASSESSMENT/FIELD SCREENING INFORMATION & METHODOLOGY

Not Applicable. No soil or groundwater borings were installed during this scope of work.

D. MONITORING WELL INFORMATION

Not Applicable. No monitoring wells were installed during this scope of work.

E. GROUNDWATER DATA

1. Groundwater Sampling Methodology

TERRY conducted a comprehensive sampling event at the site between September 12 through September 14, 2022. Just prior to the sampling event, the monitoring wells were gauged with an oil/water interface probe to determine depth to groundwater measurements and the presence or absence of free-phase petroleum. Water level was recorded to the nearest 0.01 foot and total well depth was recorded to the nearest 0.1 foot. Monitoring well MW-26 is presumed destroyed. Off-site monitoring well MW-44 could not be located due to heavy vegetation. Two surface water samples (SW-1 and SW-2) were also collected from the creek located in the wooded area to the north of the subject site. Photographs of the surface water locations are included in Appendix B.

Sampling was conducted from the least contaminated wells to the most contaminated wells based on the previous assessment data. A clean purge pump with new disposable tubing was utilized for purging the wells with large casing volumes and/or adequate recharge rates. Groundwater samples were collected from each monitoring well with a new disposable bailer. Bailers with new colorless nylon rope were slowly lowered into the top of the water column, allowed to fill, and slowly removed to minimize turbidity and disturbance of the volatile organic compounds (VOCs). The surface water samples were also collected with a new disposable bailer.

Trip blanks, field blanks, and field duplicates were prepared or collected in accordance with the SCDHEC UST QAPP, Revision 4.0. One trip blank was shipped with each cooler and analyzed for VOCs. One field blank was collected for each day of sampling and analyzed for VOCs and 1,2 Dibromoethane (EDB). One field duplicate was collected for each batch of twenty samples and analyzed for VOCs and EDB.

Samples were immediately packed in a cooler of ice and proper temperatures were maintained in accordance with the SCDHEC UST QAPP, Revision 4.0 and the site-specific Addendum. At the completion of the sampling event, the samples were submitted to a SCDHEC certified laboratory for analyses. The samples were analyzed for Benzene, Toluene, Ethylbenzene, Xylenes, Naphthalene, Methyl tertiary butyl ether, 1,2-Dichloroethane, Oxygenates, Ethanol, and EDB. As noted in the laboratory report case narrative, twenty (20) of the EDB samples were re-run out of hold time due to a surrogate compound being inadvertently omitted during the original run extraction process. SCDHEC was notified by TERRY and the data will be accepted but will not be utilized for future site decisions.

Field conditions were documented throughout the sampling event. All field measurement equipment was properly cleaned and decontaminated before use, between each well, and prior to site departure in accordance with "Appendix H: Standard Field Cleaning Procedures" of the SCDHEC UST QAPP, Revision 4.0. By-products were initially stored onsite in 55 gallon drums and transported to US Water Recovery for disposal and the disposal Manifest is

provided in Appendix G. The field measurement equipment was properly calibrated prior to the sampling event and verified after four (4) hours of use and at the completion of the event. The calibration and verification data for the sampling event are provided in Appendix B.

Depth to groundwater measurements were taken with reference to the top of well casing (TOC) and converted to elevations by subtracting the depth to groundwater measurements from the TOC elevations. Potentiometric data are provided in Section I as Table 2 and on the Groundwater Sampling Logs provided in Appendix B.

2. Purging Methodology

Purging was conducted from the least contaminated wells to the most contaminated wells based on the previous assessment data. Prior to purging, new plastic sheeting was placed on the ground surface around the well to prevent contamination of pumps, hoses, meters, etc. For monitoring wells with smaller casing volumes and/or slow recharge rates, a new disposable bailer was utilized for purging. When utilized, bailers with new colorless nylon rope were slowly lowered into the top of the water column, allowed to fill, and slowly removed to minimize turbidity and disturbance of the VOCs. When utilized, the purge pump was lowered approximately 3-5 feet into the standing water column and adjusted only if the pumping rate exceeded the recovery rate as drawdown occurred. In accordance with the SCDHEC UST QAPP, Revision 4.0, an adequate purge was achieved when pH, specific conductance, and temperature of the groundwater stabilized, and turbidity either stabilized or was below 10 nephelometric turbidity units (NTUs). The purge and decontamination water generated was initially stored onsite in 55 gallon drums until analytical results were reported. The non-contaminated water generated was disposed onsite and poured onto a non-pervious surface in the source area. The contaminated water was transported to US Water Recovery for disposal and the disposal Manifest is provided in Appendix G.

If a well was pumped or purged dry, even with reduced purge rates, the well was considered adequately purged per the SCDHEC UST QAPP, Revision 4.0. The sample was collected immediately following sufficient recovery to fill all sampling containers. The groundwater measurements collected during the sampling event for the purged wells are provided as follows:

SECTION E -2 GROUNDWATER MEASUREMENTS (PURGE SAMPLING) FORMER LI'L CRICKET #339 SENECA, SOUTH CAROLINA SCDHEC UST PERMIT #07303							
07303-MW3	**9/14/2022**						
Volume (gal)	Initial	3	6	9	12/Sample		
Time (military)	1041	1050	1055	1058	1103		
pH (su)	5.33	5.40	5.44	5.42	5.37		
Spec Conductivity (mS/cm)	0.059	0.081	0.082	0.082	0.081		
Water Temperature (°C)	23.4	21.8	21.6	21.6	21.7		
Turbidity (NTU)	170	28.5	4.5	0.0	0.0		
Dissolved Oxygen (mg/L)	2.51	5.25	6.08	5.90	5.89		
07303-MW5R	**9/14/2022**						
Volume (gal)	Initial	4.5	6	6.25/Dry/Sample			
Time (military)	0930	0940	0943	1000			
pH (su)	5.66	5.30	5.98	6.53			
Spec Conductivity (mS/cm)	0.088	1.40	1.39	1.40			
Water Temperature (°C)	19.7	20.3	21.2	22.0			
Turbidity (NTU)	0.0	31.7	15.9	68.4			
Dissolved Oxygen (mg/L)	9.14	5.00	2.98	2.09			
07303-MW9	**9/14/2022**						
Volume (gal)	Initial	3.25	6.5	7	7.25/Dry/Sample		
Time (military)	1715	1725	1728	1730	1737		
pH (su)	6.38	6.34	6.37	6.38	6.28		
Spec Conductivity (mS/cm)	0.091	0.120	0.141	0.141	0.256		
Water Temperature (°C)	22.3	21.8	21.3	21.0	21.5		
Turbidity (NTU)	5.1	82.1	80.0	31.5	324		
Dissolved Oxygen (mg/L)	6.22	5.00	3.29	3.10	3.89		
07303-MW10	**9/14/2022**						
	Free Product (0.02 ft)						
07303-MW11	**9/13/2022**						
Volume (gal)	Initial	1.75	3.5	5.25/Sample			
Time (military)	1302	1307	1310	1315			
pH (su)	6.64	5.90	5.91	5.83			
Spec Conductivity (mS/cm)	0.064	0.081	0.079	0.079			
Water Temperature (°C)	21.2	20.8	20.7	20.5			
Turbidity (NTU)	4.6	0.0	0.0	0.0			
Dissolved Oxygen (mg/L)	5.93	6.00	5.90	5.83			
07303-MW12	**9/13/2022**						
Volume (gal)	Initial	1.25	2.5	3.75/Sample			
Time (military)	1536	1540	1546	1550			
pH (su)	5.60	5.53	5.56	5.50			
Spec Conductivity (mS/cm)	0.078	0.079	0.078	0.078			
Water Temperature (°C)	22.9	21.6	21.5	21.2			
Turbidity (NTU)	261	99.8	104	105			
Dissolved Oxygen (mg/L)	4.41	4.79	4.66	4.63			
07303-MW13	**9/13/2022**						
Volume (gal)	Initial	1.25	2.5	3.75	5/Sample		
Time (military)	1242	1246	1248	1251	1255		
pH (su)	7.02	6.68	6.52	6.54	6.47		
Spec Conductivity (mS/cm)	0.150	0.131	0.135	0.140	0.139		
Water Temperature (°C)	21.6	21.0	20.7	20.6	20.7		
Turbidity (NTU)	0.0	62.7	91.4	92.0	86.1		
Dissolved Oxygen (mg/L)	6.01	2.90	3.40	3.28	3.25		
07303-MW14	**9/13/2022**						
Volume (gal)	Initial	1.5	3	4.5/Sample			
Time (military)	1120	1126	1129	1135			
pH (su)	5.25	5.31	5.28	5.33			
Spec Conductivity (mS/cm)	0.069	0.069	0.070	0.068			
Water Temperature (°C)	19.7	19.6	19.5	19.4			
Turbidity (NTU)	0.0	178	179	184			
Dissolved Oxygen (mg/L)	3.82	5.11	5.03	4.92			

07303-MW15	**9/14/2022**						
Volume (gal)	Initial	1.25	2.25	3.25	4.25	5.25/Sample	
Time (military)	1535	1540	1543	1546	1550	1555	
pH (su)	5.73	5.86	5.93	6.01	5.97	5.77	
Spec Conductivity (mS/cm)	0.165	0.214	0.252	0.260	0.262	0.260	
Water Temperature (°C)	21.6	20.8	20.6	20.8	20.6	20.7	
Turbidity (NTU)	0.0	232	258	260	351	173	
Dissolved Oxygen (mg/L)	3.54	3.40	5.49	4.57	4.36	2.04	
07303-MW16	**9/14/2022**						
Volume (gal)	Initial	3	6	9	12	15/Sample	
Time (military)	1108	1115	1118	1122	1126	1129	
pH (su)	5.88	5.76	5.64	5.60	5.46	5.62	
Spec Conductivity (mS/cm)	0.060	0.079	0.100	0.107	0.116	0.108	
Water Temperature (°C)	22.6	21.7	21.1	20.8	20.9	21.1	
Turbidity (NTU)	0.0	28.5	0.0	0.0	0.0	0.0	
Dissolved Oxygen (mg/L)	5.05	5.03	3.59	3.35	2.20	4.27	
07303-MW17	**9/14/2022**						
Volume (gal)	Initial	3.25	6.5	9.5/Sample			
Time (military)	1201	1204	1207	1209			
pH (su)	5.70	5.65	5.58	5.64			
Spec Conductivity (mS/cm)	0.105	0.111	0.110	0.110			
Water Temperature (°C)	22.2	21.6	21.4	21.7			
Turbidity (NTU)	0.0	0.0	0.0	0.0			
Dissolved Oxygen (mg/L)	3.97	4.05	3.95	3.91			
07303-MW18	**9/14/2022**						
Volume (gal)	Initial	2.25	4.5	6.75/Sample			
Time (military)	1133	1140	1144	1151			
pH (su)	5.17	5.40	5.42	5.49			
Spec Conductivity (mS/cm)	0.219	0.223	0.227	0.229			
Water Temperature (°C)	21.3	22.0	21.5	21.3			
Turbidity (NTU)	0.0	12.2	12.5	12.0			
Dissolved Oxygen (mg/L)	2.56	3.18	3.00	3.04			
07303-MW19	**9/14/2022**						
Volume (gal)	Initial	3	6	9/Sample			
Time (military)	1631	1637	1642	1650			
pH (su)	5.84	5.51	5.63	5.56			
Spec Conductivity (mS/cm)	0.076	0.287	0.272	0.279			
Water Temperature (°C)	22.9	22.0	22.5	21.8			
Turbidity (NTU)	93.7	94.0	90.8	92.0			
Dissolved Oxygen (mg/L)	2.69	2.27	2.24	2.20			
07303-MW20	**9/14/2022**						
Volume (gal)	Initial	1.75	3.5	5.25/Sample			
Time (military)	1747	1750	1753	1801			
pH (su)	6.07	5.94	5.98	6.01			
Spec Conductivity (mS/cm)	0.309	0.319	0.315	0.310			
Water Temperature (°C)	21.4	21.1	20.9	21.3			
Turbidity (NTU)	10.0	71.1	68.5	67.5			
Dissolved Oxygen (mg/L)	5.14	4.50	4.33	4.34			
07303-MW21	**9/13/2022**						
Volume (gal)	Initial	1.25	2.5	3.75/Sample			
Time (military)	1054	1056	1059	1104			
pH (su)	5.74	5.38	5.40	5.33			
Spec Conductivity (mS/cm)	0.050	0.043	0.045	0.045			
Water Temperature (°C)	19.9	19.6	19.4	19.4			
Turbidity (NTU)	138	860	874	879			
Dissolved Oxygen (mg/L)	5.55	6.00	6.04	6.17			
07303-MW22	**9/12/2022**						
Volume (gal)	Initial	1.5	3	4.5	6	7.5/Sample	
Time (military)	1638	1641	1645	1650	1654	1659	
pH (su)	10.74	9.27	7.85	6.82	6.00	5.84	
Spec Conductivity (mS/cm)	0.239	0.113	0.105	0.099	0.110	0.096	
Water Temperature (°C)	21.3	20.2	20.0	20.0	20.5	20.5	
Turbidity (NTU)	0.0	485	733	557	462	437	
Dissolved Oxygen (mg/L)	11.74	6.88	6.90	6.48	6.34	5.80	

07303-MW23	**9/12/2022**						
Volume (gal)	Initial	1.25	2.5	3.75	5	6.25/Sample	
Time (military)	1800	1804	1807	1809	1811	1816	
pH (su)	5.61	5.85	5.90	6.03	6.11	6.09	
Spec Conductivity (mS/cm)	0.124	0.171	0.231	0.252	0.298	0.312	
Water Temperature (°C)	20.3	19.8	19.4	19.6	20.4	19.7	
Turbidity (NTU)	3.1	95.5	33.8	32.8	20.2	50.3	
Dissolved Oxygen (mg/L)	8.15	7.25	5.90	5.59	4.12	5.32	
07303-MW24	**9/13/2022**						
Volume (gal)	Initial	1.5	3	4.5/Sample			
Time (military)	1031	1035	1038	1042			
pH (su)	6.00	6.07	6.09	6.11			
Spec Conductivity (mS/cm)	0.070	0.167	0.166	0.171			
Water Temperature (°C)	18.6	18.6	18.6	18.7			
Turbidity (NTU)	0.0	130	118	120			
Dissolved Oxygen (mg/L)	7.68	7.78	7.80	7.81			
07303-MW25	**9/13/2022**						
Volume (gal)	Initial	1.5	3	4.5	6	7.5/Sample	
Time (military)	1011	1014	1018	1021	1025	1028	
pH (su)	6.58	6.09	6.18	6.21	6.24	6.00	
Spec Conductivity (mS/cm)	0.060	0.071	0.117	0.197	0.217	0.219	
Water Temperature (°C)	18.7	18.5	18.6	18.7	18.6	18.7	
Turbidity (NTU)	0.0	16.2	61.5	99.2	16.0	25.0	
Dissolved Oxygen (mg/L)	6.36	5.16	3.06	6.14	5.30	7.41	
07303-MW26	**9/14/2022**						
	Presumed Destroyed						
07303-MW27	**9/14/2022**						
Volume (gal)	Initial	1.75	2.5	2.75/Dry/Sample	Duplicate (DUP)		
Time (military)	1601	1609	1612	1620	1622		
pH (su)	5.81	5.82	5.90	5.88			
Spec Conductivity (mS/cm)	0.183	0.219	0.238	0.237			
Water Temperature (°C)	20.4	20.0	19.7	19.6			
Turbidity (NTU)	7.3	208	695	300			
Dissolved Oxygen (mg/L)	2.50	3.15	4.00	3.10			
07303-MW28	**9/12/2022**						
Volume (gal)	Initial	1.25	2.5	3.75/Sample			
Time (military)	1747	1749	1752	1755			
pH (su)	5.42	5.54	5.62	5.56			
Spec Conductivity (mS/cm)	0.081	0.086	0.087	0.088			
Water Temperature (°C)	19.9	20.2	20.0	20.4			
Turbidity (NTU)	46.1	278	290	284			
Dissolved Oxygen (mg/L)	5.47	5.22	5.13	5.05			
07303-MW29	**9/14/2022**						
Volume (gal)	Initial	1.75	3.5	5.25/Sample			
Time (military)	1458	1508	1515	1524			
pH (su)	5.98	6.07	6.01	5.98			
Spec Conductivity (mS/cm)	0.107	0.160	0.158	0.161			
Water Temperature (°C)	23.5	21.4	20.8	20.6			
Turbidity (NTU)	0.0	152	164	166			
Dissolved Oxygen (mg/L)	1.96	3.79	3.70	3.76			
07303-MW30	**9/14/2022**						
Volume (gal)	Initial	4.0	8.0	9.0	9.25/Dry/Sample		
Time (military)	0950	1015	1023	1026	1035		
pH (su)	7.06	5.78	5.54	5.65	5.66		
Spec Conductivity (mS/cm)	0.213	0.101	0.100	0.120	0.122		
Water Temperature (°C)	21.5	22.3	21.9	22.5	22.7		
Turbidity (NTU)	0.0	73.0	64.5	801	670		
Dissolved Oxygen (mg/L)	4.76	4.10	4.67	2.57	2.25		
07303-MW31	**9/14/2022**						
Volume (gal)	Initial	1.25	2.5	3.75	5/Sample		
Time (military)	0825	0828	0832	0836	0840		
pH (su)	4.97	5.15	5.32	5.36	5.36		
Spec Conductivity (mS/cm)	0.120	0.072	0.080	0.082	0.084		
Water Temperature (°C)	18.3	18.5	18.4	18.5	18.5		
Turbidity (NTU)	0.5	400	167	164	155		
Dissolved Oxygen (mg/L)	3.57	4.03	2.82	2.78	2.76		

07303-MW32	**9/14/2022**						
Volume (gal)	Initial	2	4	6/Sample			
Time (military)	0829	0834	0837	0846			
pH (su)	5.28	5.18	5.20	5.21			
Spec Conductivity (mS/cm)	0.067	0.067	0.070	0.070			
Water Temperature (°C)	18.5	18.7	18.6	18.6			
Turbidity (NTU)	0.0	34.6	36.0	36.1			
Dissolved Oxygen (mg/L)	7.20	6.16	6.33	6.34			
07303-MW33	**9/14/2022**						
Volume (gal)	Initial	1.5	3	4.5/Sample			
Time (military)	0841	0848	0852	0857			
pH (su)	5.27	5.14	5.23	5.17			
Spec Conductivity (mS/cm)	0.101	0.101	0.100	0.099			
Water Temperature (°C)	18.6	18.8	18.8	19.0			
Turbidity (NTU)	0.0	758	739	730			
Dissolved Oxygen (mg/L)	5.92	7.91	7.80	7.82			
07303-MW34	**9/13/2022**						
Volume (gal)	Initial	1.25	2.5	3.75	5/Sample		
Time (military)	1818	1820	1826	1830	1836		
pH (su)	5.41	5.50	5.25	5.31	5.26		
Spec Conductivity (mS/cm)	0.069	0.079	0.068	0.070	0.071		
Water Temperature (°C)	23.2	21.4	20.5	20.3	20.7		
Turbidity (NTU)	10.1	294	638	642	644		
Dissolved Oxygen (mg/L)	7.47	10.14	8.80	8.77	8.63		
07303-MW35	**9/13/2022**						
Volume (gal)	Initial	1.25	2.25	3.25/Sample			
Time (military)	1840	1844	1848	1853			
pH (su)	5.19	5.16	5.09	5.09			
Spec Conductivity (mS/cm)	0.030	0.033	0.034	0.034			
Water Temperature (°C)	22.8	21.0	20.6	21.0			
Turbidity (NTU)	0.8	730	758	752			
Dissolved Oxygen (mg/L)	7.72	10.49	10.40	10.32			
07303-MW36	**9/13/2022**						
Volume (gal)	Initial	1.25	2.5	3.75	5/Sample		
Time (military)	1756	1800	1803	1806	1810		
pH (su)	5.50	5.25	5.06	5.05	5.04		
Spec Conductivity (mS/cm)	0.057	0.057	0.057	0.056	0.056		
Water Temperature (°C)	20.0	19.4	19.2	19.2	19.2		
Turbidity (NTU)	42.1	521	618	614	589		
Dissolved Oxygen (mg/L)	8.88	10.05	9.47	9.38	9.29		
07303-MW37	**9/13/2022**						
Volume (gal)	Initial	1.5	3	4.5	6	7.5/Sample	
Time (military)	1706	1709	1711	1714	1717	1720	
pH (su)	8.47	8.36	8.01	7.90	7.77	7.35	
Spec Conductivity (mS/cm)	0.102	0.083	0.088	0.081	0.080	0.084	
Water Temperature (°C)	20.2	19.9	19.9	19.7	19.6	19.7	
Turbidity (NTU)	42.0	780	500	375	140	54.5	
Dissolved Oxygen (mg/L)	7.20	8.35	8.00	8.20	8.15	8.09	
07303-MW38	**9/13/2022**						
Volume (gal)	Initial	2.25	4.5	6.75	9	11.25/Sample	
Time (military)	1725	1730	1735	1738	1741	1745	
pH (su)	6.49	6.21	5.74	5.53	5.57	5.40	
Spec Conductivity (mS/cm)	0.071	0.064	0.065	0.065	0.062	0.060	
Water Temperature (°C)	20.1	20.1	19.9	19.9	19.8	19.7	
Turbidity (NTU)	0.0	25.1	0.0	0.0	0.0	0.0	
Dissolved Oxygen (mg/L)	7.39	7.21	6.91	9.13	8.50	8.60	
07303-MW39	**9/13/2022**						
Volume (gal)	Initial	1.5	2.0	2.25/Dry/Sample			
Time (military)	0945	0952	0954	1005			
pH (su)	7.15	6.87	6.90	6.29			
Spec Conductivity (mS/cm)	0.074	0.074	0.073	0.071			
Water Temperature (°C)	19.3	19.0	18.8	18.7			
Turbidity (NTU)	4.5	917	758	140			
Dissolved Oxygen (mg/L)	6.27	7.41	7.60	8.10			

07303-MW40	**9/13/2022**						
Volume (gal)	Initial	0.5	1	1.5/Sample			
Time (military)	1440	1443	1447	1450			
pH (su)	6.02	5.66	5.66	5.58			
Spec Conductivity (mS/cm)	0.031	0.029	0.030	0.031			
Water Temperature (°C)	24.5	23.1	22.8	22.3			
Turbidity (NTU)	5.0	778	810	815			
Dissolved Oxygen (mg/L)	8.02	5.08	5.05	5.00			
07303-MW41	**9/13/2022**						
Volume (gal)	Initial	2.75	5.5	8.25	11	13.75/Sample	
Time (military)	0847	0902	0920	0923	0928	0933	
pH (su)	12.08	9.21	8.05	7.51	7.45	7.16	
Spec Conductivity (mS/cm)	0.172	0.160	0.140	0.137	0.122	0.119	
Water Temperature (°C)	17.6	18.0	18.2	18.6	19.0	19.2	
Turbidity (NTU)	40.0	159	99.2	86.0	5.9	2.6	
Dissolved Oxygen (mg/L)	8.99	3.83	3.81	3.77	4.48	5.29	
07303-MW42	**9/13/2022**						
Volume (gal)	Initial	0.75	1.0	1.25/Dry/Sample			
Time (military)	1500	1504	1507	1520			
pH (su)	5.67	5.74	5.50	5.51			
Spec Conductivity (mS/cm)	0.079	0.084	0.078	0.078			
Water Temperature (°C)	23.2	22.2	22.7	22.1			
Turbidity (NTU)	53.7	179	688	619			
Dissolved Oxygen (mg/L)	4.13	3.00	2.40	2.46			
07303-MW43	**9/12/2022**						
Volume (gal)	Initial	1.25	2.5	3.75	5/Sample		
Time (military)	1715	1719	1725	1728	1735		
pH (su)	5.93	5.68	5.61	5.65	5.58		
Spec Conductivity (mS/cm)	0.074	0.073	0.085	0.085	0.087		
Water Temperature (°C)	22.1	20.6	20.4	20.0	20.1		
Turbidity (NTU)	51.6	137	480	497	518		
Dissolved Oxygen (mg/L)	9.24	9.41	9.88	9.97	9.95		
07303-MW44	**9/12/2022**						
	Could Not Find						
07303-MW45	**9/12/2022**						
Volume (gal)	Initial	1	2	3/Sample			
Time (military)	1612	1616	1618	1622			
pH (su)	5.54	5.56	5.51	5.60			
Spec Conductivity (mS/cm)	0.055	0.058	0.059	0.062			
Water Temperature (°C)	19.1	18.6	18.0	18.1			
Turbidity (NTU)	24.0	529	538	530			
Dissolved Oxygen (mg/L)	10.04	8.58	8.60	8.70			
07303-MW46	**9/12/2022**						
Volume (gal)	Initial	1	2	3	4	5/Sample	
Time (military)	1355	1400	1405	1408	1412	1419	
pH (su)	5.40	5.01	4.82	4.63	5.02	4.83	
Spec Conductivity (mS/cm)	0.142	0.043	0.034	0.032	0.032	0.032	
Water Temperature (°C)	20.4	19.6	19.0	18.5	19.2	19.0	
Turbidity (NTU)	11.5	685	592	641	756	718	
Dissolved Oxygen (mg/L)	9.87	9.80	9.73	9.72	10.00	9.85	
07303-MW47	**9/12/2022**						
Volume (gal)	Initial	1	1.5	1.75/Dry/Sample			
Time (military)	1432	1438	1441	1452			
pH (su)	5.06	4.74	4.91	4.92			
Spec Conductivity (mS/cm)	0.026	0.025	0.024	0.024			
Water Temperature (°C)	19.3	18.5	19.3	18.7			
Turbidity (NTU)	183	755	813	800			
Dissolved Oxygen (mg/L)	9.50	8.53	9.80	9.36			
07303-MW48	**9/12/2022**						
Volume (gal)	Initial	0.75	1.5	2.25/Sample			
Time (military)	1552	1556	1558	1600			
pH (su)	5.18	5.04	5.08	5.10			
Spec Conductivity (mS/cm)	0.033	0.039	0.035	0.035			
Water Temperature (°C)	21.6	20.3	20.4	20.0			
Turbidity (NTU)	79.8	830	815	823			
Dissolved Oxygen (mg/L)	11.70	7.60	7.57	7.50			

07303-RW1	**9/14/2022**						
	Free Product (1.30 ft)						
07303-RW2	**9/14/2022**						
Volume (gal)	Initial	7	10	10.25/Dry/Sample	Duplicate (DUP)		
Time (military)	1755	1804	1806	1815	1817		
pH (su)	6.04	5.85	5.94	5.92			
Spec Conductivity (mS/cm)	0.330	0.355	0.329	0.328			
Water Temperature (°C)	21.6	21.5	21.5	21.5			
Turbidity (NTU)	0.0	325	86.8	40.7			
Dissolved Oxygen (mg/L)	7.39	4.47	4.50	4.14			
07303-RW3	**9/14/2022**						
Volume (gal)	Initial	7.25	9	9.25/Dry/Sample	Duplicate (DUP)		
Time (military)	1820	1829	1832	1840	1842		
pH (su)	5.80	5.70	5.93	5.86			
Spec Conductivity (mS/cm)	0.320	0.223	0.419	0.420			
Water Temperature (°C)	21.6	21.2	21.8	21.5			
Turbidity (NTU)	2.0	517	708	219			
Dissolved Oxygen (mg/L)	2.59	5.69	4.19	2.42			
07303-RW4	**9/14/2022**						
Volume (gal)	Initial	7.25	10.5	10.75/Dry/Sample			
Time (military)	1439	1448	1452	1505			
pH (su)	6.54	6.18	6.25	6.22			
Spec Conductivity (mS/cm)	0.191	0.178	0.170	0.168			
Water Temperature (°C)	22.7	24.0	23.7	23.5			
Turbidity (NTU)	0.0	0.0	11.7	78.9			
Dissolved Oxygen (mg/L)	1.97	1.42	2.79	2.61			
07303-RW5	**9/14/2022**						
	Free Product (0.03 ft)						
07303-DW1	**9/13/2022**						
Volume (gal)	Initial	6	12	18	24	30/Sample	
Time (military)	1146	1200	1207	1215	1220	1230	
pH (su)	9.90	9.59	8.95	8.18	8.00	7.46	
Spec Conductivity (mS/cm)	0.166	0.194	0.189	0.191	0.186	0.186	
Water Temperature (°C)	19.6	19.7	19.8	20.2	20.3	20.1	
Turbidity (NTU)	0.0	0.0	0.0	0.0	0.0	0.0	
Dissolved Oxygen (mg/L)	1.93	4.77	2.96	2.33	4.05	4.10	
07303-DW2	**9/14/2022**						
Volume (gal)	Initial	6.5	13	19.5	26	32.5/Sample	
Time (military)	1354	1402	1409	1417	1425	1436	
pH (su)	7.21	11.53	10.31	9.41	8.37	7.92	
Spec Conductivity (mS/cm)	0.194	0.197	0.190	0.177	0.169	0.159	
Water Temperature (°C)	21.5	21.4	21.7	21.5	21.5	20.9	
Turbidity (NTU)	6.2	0.0	0.0	0.0	0.0	0.0	
Dissolved Oxygen (mg/L)	4.27	2.32	3.06	3.01	2.25	5.08	
07303-DW3	**9/14/2022**						
Volume (gal)	Initial	7	14	21	28	35/Sample	
Time (military)	1250	1259	1310	1319	1325	1333	
pH (su)	7.44	7.06	6.53	6.24	6.04	6.00	
Spec Conductivity (mS/cm)	0.070	0.120	0.130	0.134	0.136	0.138	
Water Temperature (°C)	23.7	22.0	21.6	21.0	20.7	20.9	
Turbidity (NTU)	6.0	0.0	0.0	0.0	0.0	0.0	
Dissolved Oxygen (mg/L)	8.99	2.66	3.84	2.28	2.21	6.93	
07303-DW5	**9/13/2022**						
Volume (gal)	Initial	4	5	5.25/Dry/Sample			
Time (military)	0821	0826	0828	0835			
pH (su)	10.57	10.61	10.74	11.61			
Spec Conductivity (mS/cm)	1.57	4.33	4.38	4.23			
Water Temperature (°C)	21.4	17.5	17.4	17.6			
Turbidity (NTU)	0.0	69.8	68.5	27.0			
Dissolved Oxygen (mg/L)	12.38	3.82	3.71	5.31			

07303-DW6	**9/13/2022**						
Volume (gal)	Initial	13.25	14	14.25/Dry/Sample			
Time (military)	1140	1150	1152	1206			
pH (su)	7.49	9.75	9.81	9.69			
Spec Conductivity (mS/cm)	0.312	0.343	0.340	0.338			
Water Temperature (°C)	19.6	19.7	19.3	19.2			
Turbidity (NTU)	0.0	20.0	0.0	0.0			
Dissolved Oxygen (mg/L)	3.89	2.57	2.50	3.00			
07303-DW7	**9/14/2022**						
Volume (gal)	Initial	12.5	13	13.25/Dry/Sample			
Time (military)	1338	1350	1352	1404			
pH (su)	9.31	10.00	11.24	11.39			
Spec Conductivity (mS/cm)	3.13	3.29	3.43	3.43			
Water Temperature (°C)	21.4	21.1	22.0	21.6			
Turbidity (NTU)	0.0	0.0	5.7	12.2			
Dissolved Oxygen (mg/L)	3.50	2.92	3.09	3.00			
07303-DW9	**9/13/2022**						
Volume (gal)	Initial	7.25	14.5	21.75	29/Sample		
Time (military)	1619	1630	1640	1648	1703		
pH (su)	11.45	10.66	10.64	10.57	10.55		
Spec Conductivity (mS/cm)	0.359	0.201	0.171	0.164	0.163		
Water Temperature (°C)	20.8	20.4	19.6	19.6	19.5		
Turbidity (NTU)	0.0	0.0	0.0	0.0	0.0		
Dissolved Oxygen (mg/L)	3.50	7.06	8.20	8.16	8.01		
07303-DW10	**9/13/2022**						
Volume (gal)	Initial	13.25	14	14.25/Dry/Sample			
Time (military)	1617	1635	1638	1651			
pH (su)	10.62	10.19	10.24	10.22			
Spec Conductivity (mS/cm)	1.69	1.47	1.49	1.73			
Water Temperature (°C)	21.9	21.4	21.2	19.9			
Turbidity (NTU)	0.0	2.6	0.0	0.0			
Dissolved Oxygen (mg/L)	2.00	5.72	4.10	4.65			
07303-DW11	**9/13/2022**						
Volume (gal)	Initial	5.5	11	16.5	22	27.5/Sample	
Time (military)	0844	0852	0859	0906	0912	0919	
pH (su)	11.06	9.14	8.77	8.51	8.22	8.10	
Spec Conductivity (mS/cm)	0.430	0.368	0.337	0.320	0.314	0.310	
Water Temperature (°C)	17.7	18.8	18.5	18.5	18.5	18.5	
Turbidity (NTU)	0.0	0.0	0.0	7.0	1.0	0.0	
Dissolved Oxygen (mg/L)	3.99	3.78	3.99	3.43	3.74	5.00	

NOTES/KEY:
gal = gallons
unit
mS/cm = milliSiemens per centimeter
NTU = nephelometric turbity units
mg/L = milligrams per liter

3. Free Product Measurements

Free-phase petroleum was measured in monitoring wells MW-10 (0.02 feet), RW-1 (1.30 feet) and RW-5 (0.03 feet) on September 14, 2022.

F. AFVR INFORMATION

Not Applicable. No Aggressive Fluid Vapor Recovery (AFVR) Events were performed during this scope of work.

G. GRANULATED ACTIVATED CARBON INSTALLATION

Not Applicable. No granulated activated carbon units were installed during this scope of work.

H. RESULTS & DISCUSSION

1. Assessment Results

During this scope of work, TERRY conducted a comprehensive groundwater sampling event between September 12 through September 14, 2022, in accordance with the SCDHEC UST QAPP, Revision 4.0 and the associated site-specific work plan submitted in July 2022. Monitoring well MW-26 is presumed destroyed. Off-site monitoring well MW-44 could not be located. Free-phase petroleum was measured in monitoring wells MW-10, RW-1, and RW-5.

The groundwater analytical data are summarized in Section I as Table 3, and are included in Appendix B. The analytical data were used to generate contaminant concentration maps for CoC's detected by the laboratory and are provided in Section J as Figures 4A and 4B. Based on the analytical data, groundwater contamination is present above Risked-Based Screening Levels (RBSLs) in the source area (MW-9, MW-10, MW-19, MW-20, RW-1, RW-2, RW-3, and RW-5) and migrates in the direction of groundwater flow (MW-15, MW-23, MW-24, MW-25, and MW-27). The plume remains horizontally defined but with a rebound in DW-11 the plume is vertically undefined down gradient to the north. The analytical data for the surface water samples (SW-1 and SW-2) indicated minor, estimated concentrations of MTBE (0.56J ug/L and 0.90J ug/L, respectively).

The previously conducted AFVR events were successful at removing free phase product, recovering contaminant mass, and exposing the free product smear zone to vacuum. As such, it is recommended to conduct two additional 96-hour AFVR events on the monitoring/recovery well network in the source area; Event 1 on monitoring well MW-19 and RW-5 and Event 2 on recovery wells RW-1 and MW-10.

2. Aquifer Evaluation Results

Not Applicable

3. Fate & Transport Results

Not Applicable

4. Tier 1 Risk Evaluation

Not Applicable

5. Tier 2 Risk Evaluation

Not Applicable

I. TABLES

1. Soil Analytical Data

Table 1 Soil Analytical Data - Not Applicable

2. Potentiometric Data

Table 2 Groundwater Potentiometric Data - Attached

3. Laboratory Data

Table 3 Groundwater Laboratory Data - Attached

4. Aquifer Characteristics

Table 4 Aquifer Characteristics - Not Applicable

5. Site Conceptual Model

Table 5 Site Conceptual Model - Not Applicable

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170T

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW3	10/1/2008	152.15	37-55	-	41.28	-	110.87
	2/16/2009			-	41.54	-	110.61
	6/22/2009			Not Sampled			
	2/25/2011			-	38.78	-	113.37
	4/29/2015			-	38.87	-	113.28
	4/5/2016			-	37.93	-	114.22
	2/2/2017			-	40.85	-	111.30
	2/12/2019			-	37.65	-	114.50
	12/5/2019			-	37.84	-	114.31
	9/14/2022			-	38.58	-	113.57
07303-MW5R	10/1/2008	150.01	50-60	-	59.55	-	90.46
	2/16/2009			-	53.20	-	96.81
	6/22/2009			Not Sampled			
	2/25/2011			-	38.63	-	111.38
	4/29/2015			-	31.40	-	118.61
	4/5/2016			-	38.34	-	111.67
	2/2/2017			-	40.54	-	109.47
	2/13/2019			-	27.15	-	122.86
	12/5/2019			-	36.92	-	113.09
	9/14/2022			-	33.39	-	116.62
07303-MW9	10/1/2008	150.85	45-55	-	40.81	-	110.04
	2/16/2009			-	40.44	-	110.41
	6/22/2009			Not Sampled			
	2/25/2011			-	37.05	-	113.80
	5/25/2011			-	37.33	-	113.52
	4/29/2015			-	37.79	-	113.06
	4/6/2016			-	35.44	-	115.41
	2/3/2017			-	39.24	-	111.61
	2/13/2019			-	36.40	-	114.45
	12/6/2019			-	36.42	-	114.43
	9/14/2022			-	35.68	-	115.17
07303-MW10	10/1/2008	152.07	42-52	43.62	43.95	**0.33**	108.12
	2/16/2009			43.83	43.93	**0.10**	108.14
	6/22/2009			Not Sampled			
	2/24/2011			41.47	41.49	**0.02**	110.58
	5/25/2011			40.94	40.97	**0.03**	111.10
	4/29/2015			-	41.36	-	110.71
	4/6/2016			-	39.69	-	112.38
	2/3/2017			43.17	43.31	**0.14**	108.76
	2/13/2019			40.32	40.33	**0.01**	111.74
	12/6/2019			40.19	40.20	**0.01**	111.87
	9/14/2022			40.89	40.91	**0.02**	111.16

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170T

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW11	2/17/2009	153.51	40-50	-	43.31	-	110.20
	6/22/2009			Not Sampled			
	2/24/2011			-	40.65	-	112.86
	4/27/2015			-	40.65	-	112.86
	4/5/2016			-	38.69	-	114.82
	2/2/2017			-	42.62	-	110.89
	2/12/2019			-	39.72	-	113.79
	12/5/2019			-	39.55	-	113.96
	9/13/2022			-	40.30	-	113.21
07303-MW12	2/17/2009	154.40	40-50	-	45.39	-	109.01
	6/22/2009			Not Sampled			
	2/24/2011			-	42.86	-	111.54
	4/27/2015			-	42.80	-	111.60
	4/5/2016			-	40.95	-	113.45
	2/3/2017			-	44.73	-	109.67
	2/12/2019			-	41.91	-	112.49
	12/5/2019			-	41.83	-	112.57
	9/13/2022			-	42.34	-	112.06
07303-MW13	2/17/2009	153.54	40-50	-	45.34	-	108.20
	6/22/2009			Not Sampled			
	2/24/2011			-	42.93	-	110.61
	4/29/2015			-	42.77	-	110.77
	4/5/2016			-	40.07	-	113.47
	2/3/2017			-	44.72	-	108.82
	2/12/2019			-	41.90	-	111.64
	12/5/2019			-	41.86	-	111.68
	9/13/2022			-	42.43	-	111.11
07303-MW14	2/17/2009	154.32	45-55	-	49.58	-	104.74
	6/22/2009			Not Sampled			
	2/24/2011			-	47.29	-	107.03
	4/27/2015			-	46.98	-	107.34
	4/5/2016			-	44.85	-	109.47
	2/2/2017			-	50.11	-	104.21
	2/12/2019			-	45.96	-	108.36
	12/4/2019			-	46.16	-	108.16
	9/13/2022			-	46.72	-	107.60
07303-MW15	2/17/2009	152.67	40-50	-	47.05	-	105.62
	6/22/2009			Not Sampled			
	2/24/2011			-	44.64	-	108.03
	4/29/2015			-	44.35	-	108.32
	4/5/2016			-	41.80	-	110.87
	2/2/2017			-	46.48	-	106.19
	2/14/2019			-	42.55	-	110.12
	12/6/2019			-	42.91	-	109.76
	9/14/2022			-	43.93	-	108.74

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170T

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW16	2/17/2009	151.33	40-55	-	42.08	-	109.25
	6/22/2009			Not Sampled			
	2/25/2011			-	39.09	-	112.24
	4/29/2015			-	38.45	-	112.88
	4/5/2016			-	35.36	-	115.97
	2/2/2017			-	40.22	-	111.11
	2/13/2019			-	37.06	-	114.27
	12/5/2019			-	36.69	-	114.64
	9/14/2022			-	37.44	-	113.89
07303-MW17	2/16/2009	150.78	40-55	-	41.43	-	109.35
	6/22/2009			Not Sampled			
	2/25/2011			-	38.29	-	112.49
	4/29/2015			-	37.72	-	113.06
	4/5/2016			-	34.31	-	116.47
	2/2/2017			-	40.05	-	110.73
	2/12/2019			-	35.45	-	115.33
	12/5/2019			-	36.32	-	114.46
	9/14/2022			-	37.35	-	113.43
07303-MW18	2/16/2009	150.31	35-50	-	40.90	-	109.41
	6/22/2009			Not Sampled			
	2/25/2011			-	37.93	-	112.38
	4/29/2015			-	37.25	-	113.06
	4/5/2016			-	33.85	-	116.46
	2/3/2017			-	39.41	-	110.90
	2/12/2019			-	34.70	-	115.61
	12/5/2019			-	35.81	-	114.50
	9/14/2022			-	36.31	-	114.00
07303-MW19	2/17/2009	150.78	38-53	-	40.33	-	110.45
	6/22/2009			Not Sampled			
	2/25/2011			***	37.32	**0.05**	113.46
	5/25/2011			36.53	37.28	**0.75**	113.50
	4/29/2015			-	37.35	-	113.43
	4/6/2016			35.23	35.28	**0.05**	115.50
	2/3/2017			-	39.40	-	111.38
	2/13/2019			35.89	35.90	**0.01**	114.88
	12/5/2019			--	38.25	--	112.53
	9/14/2022			--	37.64	--	113.14
07303-MW20	2/17/2009	152.08	35-50	-	43.12	-	108.96
	6/22/2009			Not Sampled			
	2/25/2011			40.25	40.32	**0.07**	111.76
	5/25/2011			39.74	39.76	**0.02**	112.32
	4/29/2015			-	40.39	-	111.69
	4/6/2016			-	38.61	-	113.47
	2/3/2017			-	42.33	-	109.75
	2/13/2019			-	39.34	-	112.74
	12/6/2019			-	39.28	-	112.80
	9/14/2022			-	39.91	-	112.17

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170T

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW21	6/22/2009	154.55	40-55	-	49.56	-	104.99
	2/25/2011			-	48.61	-	105.94
	4/29/2015			-	48.36	-	106.19
	4/5/2016			-	46.51	-	108.04
	2/2/2017			-	49.05	-	105.50
	2/12/2019			-	47.55	-	107.00
	12/4/2019			-	47.68	-	106.87
	9/13/2022			-	48.22	-	106.33
07303-MW22	6/22/2009	149.85	40-55	-	48.02	-	101.83
	2/24/2011			-	47.74	-	102.11
	4/27/2015			-	47.05	-	102.80
	4/5/2016			-	44.66	-	105.19
	2/2/2017			-	49.53	-	100.32
	2/13/2019			-	45.50	-	104.35
	12/5/2019			-	46.62	-	103.23
	9/12/2022			-	46.56	-	103.29
07303-MW23	6/22/2009	150.05	40-55	-	48.52	-	101.53
	2/24/2011			-	48.38	-	101.67
	4/29/2015			Obstructed			
	4/5/2016			-	44.94	-	105.11
	2/2/2017			-	50.06	-	99.99
	2/14/2019			-	45.83	-	104.22
	12/4/2019			-	47.00	-	103.05
	9/12/2022			-	47.36	-	102.69
07303-MW24	6/22/2009	150.02	40-55	-	48.43	-	101.59
	2/24/2011			-	48.32	-	101.70
	4/28/2015			-	47.48	-	102.54
	4/6/2016			-	44.78	-	105.24
	2/2/2017			-	50.23	-	99.79
	2/14/2019			-	45.59	-	104.43
	12/5/2019			-	46.98	-	103.04
	9/13/2022			-	47.16	-	102.86
07303-MW25	6/22/2009	148.14	39-54	-	46.31	-	101.83
	2/24/2011			-	46.31	-	101.83
	4/28/2015			-	45.14	-	103.00
	4/5/2016			-	42.30	-	105.84
	2/2/2017			-	48.29	-	99.85
	2/14/2019			-	42.86	-	105.28
	12/4/2019			-	44.68	-	103.46
	9/13/2022			-	44.67	-	103.47
07303-MW26	6/22/2009	146.65	37-52	-	43.96	-	102.69
	2/24/2011			-	44.06	-	102.59
	4/29/2015			-	42.70	-	103.95
	4/6/2016			-	40.12	-	106.53
	2/2/2017			-	46.24	-	100.41
	2/14/2019			-	40.09	-	106.56
	12/5/2019			-	42.49	-	104.16
	9/14/2022			Presumed Destroyed			

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170T

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW27	6/22/2009	149.99	40-55	-	46.59	-	103.40
	2/24/2011			-	45.99	-	104.00
	4/29/2015			-	45.40	-	104.59
	4/6/2016			-	42.86	-	107.13
	2/2/2017			-	48.07	-	101.92
	2/14/2019			-	43.92	-	106.07
	12/6/2019			-	44.79	-	105.20
	9/14/2022			-	45.06	-	104.93
07303-MW28	6/22/2009	152.24	40-55	-	48.87	-	103.37
	2/24/2011			-	48.28	-	103.96
	4/29/2015			-	46.74	-	105.50
	4/5/2016			-	45.42	-	106.82
	2/2/2017			-	50.13	-	102.11
	2/12/2019			-	46.51	-	105.73
	12/4/2019			-	47.05	-	105.19
	9/12/2022			-	47.44	-	104.80
07303-MW29	6/22/2009	152.17	40-55	-	46.43	-	105.74
	2/25/2011			-	46.96	-	105.21
	4/29/2015			-	45.26	-	106.91
	4/5/2016			-	41.49	-	110.68
	2/2/2017			-	49.60	-	102.57
	2/13/2019			-	41.26	-	110.91
	12/5/2019			-	43.89	-	108.28
	9/14/2022			-	45.14	-	107.03
07303-MW30	6/22/2009	151.23	45-60	-	40.72	-	110.51
	2/25/2011			-	39.18	-	112.05
	4/29/2015			-	38.33	-	112.90
	4/5/2016			-	35.17	-	116.06
	2/2/2017			-	40.54	-	110.69
	2/13/2019			-	36.67	-	114.56
	12/5/2019			-	37.15	-	114.08
	9/14/2022			-	37.55	-	113.68
07303-MW31	6/22/2009	148.95	26-41	-	32.82	-	116.13
	2/25/2011			-	31.98	-	116.97
	4/28/2015			-	31.66	-	117.29
	4/4/2016			-	29.65	-	119.30
	2/1/2017			-	34.40	-	114.55
	2/11/2019			-	29.72	-	119.23
	12/5/2019			-	31.39	-	117.56
	9/14/2022			-	32.92	-	116.03
07303-MW32	6/22/2009	150.06	30-45	-	34.86	-	115.20
	2/25/2011			-	33.66	-	116.40
	4/28/2015			-	33.53	-	116.53
	4/4/2016			-	31.30	-	118.76
	2/1/2017			-	36.12	-	113.94
	2/11/2019			-	31.94	-	118.12
	12/5/2019			-	32.75	-	117.31
	9/14/2022			-	33.51	-	116.55

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170T

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW33	6/22/2009	151.57	29-44	-	36.67	-	114.90
	2/25/2011			-	35.39	-	116.18
	4/28/2015			-	35.36	-	116.21
	4/4/2016			-	33.07	-	118.50
	2/1/2017			-	37.82	-	113.75
	2/11/2019			-	33.90	-	117.67
	12/5/2019			-	34.50	-	117.07
	9/14/2022			-	35.22	-	116.35
07303-MW34	6/22/2009	153.70	30-45	-	39.61	-	114.09
	2/25/2011			-	38.27	-	115.43
	4/28/2015			-	38.40	-	115.30
	4/4/2016			-	36.05	-	117.65
	2/1/2017			-	40.58	-	113.12
	2/11/2019			-	36.18	-	117.52
	12/5/2019			-	37.39	-	116.31
	9/13/2022			-	38.12	-	115.58
07303-MW35	6/22/2009	154.52	31-46	-	40.48	-	114.04
	2/25/2011			-	39.17	-	115.35
	4/28/2015			-	39.30	-	115.22
	4/4/2016			-	36.96	-	117.56
	2/1/2017			-	41.49	-	113.03
	2/11/2019			-	37.15	-	117.37
	12/5/2019			-	38.22	-	116.30
	9/13/2022			-	39.05	-	115.47
07303-MW36	6/22/2009	156.04	31-46	-	40.42	-	115.62
	2/24/2011			-	39.28	-	116.76
	4/27/2015			-	39.32	-	116.72
	4/4/2016			-	36.91	-	119.13
	2/1/2017			-	41.82	-	114.22
	2/11/2019			-	37.69	-	118.35
	12/4/2019			-	38.42	-	117.62
	9/13/2022			-	39.23	-	116.81
07303-MW37	6/22/2009	151.73	29-44	-	35.92	-	115.81
	2/24/2011			-	34.90	-	116.83
	4/27/2015			-	34.72	-	117.01
	4/4/2016			-	32.44	-	119.29
	2/1/2017			-	37.47	-	114.26
	2/11/2019			-	32.95	-	118.78
	12/4/2019			-	34.15	-	117.58
	9/13/2022			-	34.74	-	116.99
07303-MW38	6/22/2009	150.63	32-47	-	34.61	-	116.02
	2/24/2011			-	33.69	-	116.94
	4/27/2015			-	33.41	-	117.22
	4/4/2016			-	31.24	-	119.39
	2/1/2017			-	36.23	-	114.40
	2/11/2019			-	31.61	-	119.02
	12/4/2019			-	33.20	-	117.43
	9/13/2022			-	33.47	-	117.16

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170T

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW39	2/25/2011	149.78	42-52	-	48.39	-	101.39
	4/28/2015			-	46.94	-	102.84
	4/5/2016			-	44.19	-	105.59
	2/2/2017			-	50.35	-	99.43
	2/13/2019			-	42.30	-	107.48
	12/4/2019			-	46.75	-	103.03
	9/13/2022			-	46.34	-	103.44
07303-MW40	2/25/2011	132.33	6-16	-	14.64	-	117.69
	4/28/2015			-	13.72	-	118.61
	4/5/2016			-	13.66	-	118.67
	2/1/2017			-	14.44	-	117.89
	2/12/2019			-	13.16	-	119.17
	12/4/2019			-	14.45	-	117.88
	9/13/2022			-	13.68	-	118.65
07303-MW41	3/24/2011	147.24	42-52	-	46.40	-	100.84
	4/28/2015			-	45.71	-	101.53
	4/5/2016			-	42.96	-	104.28
	2/2/2017			-	48.40	-	98.84
	2/12/2019			-	43.71	-	103.53
	12/4/2019			-	45.22	-	102.02
	9/13/2022			-	35.38	-	111.86
07303-MW42	2/25/2011	112.87	2-9	-	9.13	-	103.74
	4/28/2015			-	7.97	-	104.90
	4/5/2016			-	8.35	-	104.52
	2/1/2017			-	8.28	-	104.59
	2/14/2019			-	4.60	-	108.27
	12/4/2019			-	8.64	-	104.23
	9/13/2022			-	8.51	-	104.36
07303-MW43	3/24/2011	144.35	40-50	-	43.89	-	100.46
	4/28/2015			Could Not Find			
	4/5/2016			Could Not Find			
	2/2/2017			Could Not Find			
	2/12/2019			-	41.53	-	102.82
	12/4/2019			-	42.90	-	101.45
	9/12/2022			-	43.15	-	101.20
07303-MW44	5/5/2011	145.55	42-52	-	45.36	-	100.19
	4/28/2015			-	46.87	-	98.68
	4/6/2016			Could Not Find			
	2/2/2017			Could Not Find			
	2/14/2019			Could Not Find			
	12/4/2019			Could Not Find			
	9/12/2022			Could Not Find			
07303-MW45	5/5/2011	140.80	42-52	-	46.19	-	94.61
	4/28/2015			Could Not Find			
	4/6/2016			Could Not Find			
	2/2/2017			Could Not Find			
	2/13/2019			-	44.93	-	95.87
	12/4/2019			-	46.18	-	94.62
	9/12/2022			-	46.11	-	94.69

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170T

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-MW46	5/5/2011	140.64	40-50	-	44.75	-	95.89
	4/28/2015			-	44.82	-	95.82
	4/6/2016			-	42.19	-	98.45
	2/2/2017			-	46.97	-	93.67
	2/13/2019			-	41.69	-	98.95
	12/4/2019			-	44.73	-	95.91
	9/12/2022			-	44.72	-	95.92
07303-MW47	5/5/2011	126.76	32-42	-	36.62	-	90.14
	4/28/2015			Could Not Find			
	4/6/2016			-	35.22	-	91.54
	2/2/2017			-	37.78	-	88.98
	2/13/2019			-	35.05	-	91.71
	12/4/2019			-	36.88	-	89.88
	9/12/2022			-	36.89	-	89.87
07303-MW48	5/5/2011	87.83	3-8	-	4.01	-	83.82
	4/28/2015			Could Not Find			
	4/6/2016			-	3.93	-	83.90
	2/2/2017			-	4.04	-	83.79
	2/13/2019			-	3.88	-	83.95
	12/4/2019			-	3.96	-	83.87
	9/12/2022			-	4.18	-	83.65
07303-DW1	2/17/2009	152.36	75-80	-	47.91	-	104.45
	6/22/2009			Not Sampled			
	2/24/2011			-	45.34	-	107.02
	4/30/2015			-	45.26	-	107.10
	4/5/2016			-	43.06	-	109.30
	2/2/2017			-	47.48	-	104.88
	2/12/2019			-	44.15	-	108.21
	12/5/2019			-	44.39	-	107.97
	9/13/2022			-	45.20	-	107.16
07303-DW2	2/17/2009	151.77	75-80	-	44.15	-	107.62
	6/22/2009			Not Sampled			
	2/24/2011			-	41.68	-	110.09
	4/30/2015			-	41.56	-	110.21
	4/6/2016			-	39.73	-	112.04
	2/3/2017			-	43.45	-	108.32
	2/12/2019			-	40.72	-	111.05
	12/5/2019			-	40.25	-	111.52
	9/14/2022			-	41.33	-	110.44
07303-DW3	2/17/2009	150.83	75-80	-	42.12	-	108.71
	6/22/2009			Not Sampled			
	2/24/2011			-	40.06	-	110.77
	4/30/2015			-	39.45	-	111.38
	4/6/2016			-	37.18	-	113.65
	2/3/2017			-	41.19	-	109.64
	2/13/2019			-	38.25	-	112.58
	12/5/2019			-	38.50	-	112.33
	9/14/2022			-	39.17	-	111.66

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170T

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-DW5	6/22/2009	150.19	75-80	-	45.55	-	104.64
	2/24/2011			-	61.27	-	88.92
	4/27/2015			-	55.76	-	94.43
	4/5/2016			-	72.21	-	77.98
	2/2/2017			-	68.81	-	81.38
	2/13/2019			-	66.53	-	83.66
	12/4/2019			-	75.25	-	74.94
	9/13/2022			-	59.27	-	90.92
07303-DW6	6/23/2009	152.59	115-130	-	63.39	-	89.20
	2/24/2011			-	49.98	-	102.61
	4/30/2015			-	49.80	-	102.79
	4/5/2016			-	42.23	-	110.36
	2/2/2017			-	51.41	-	101.18
	2/12/2019			-	49.30	-	103.29
	12/5/2019			-	49.54	-	103.05
	9/13/2022			-	49.69	-	102.90
07303-DW7	6/23/2009	151.97	115-120	-	113.41	-	38.56
	2/24/2011			-	46.27	-	105.70
	4/30/2015			-	43.77	-	108.20
	4/6/2016			-	64.10	-	87.87
	2/3/2017			-	63.42	-	88.55
	2/12/2019			-	51.55	-	100.42
	12/5/2019			-	65.45	-	86.52
	9/14/2022			-	43.42	-	108.55
07303-DW9	6/22/2009	151.96	75-80	-	37.64	-	114.32
	2/24/2011			-	36.34	-	115.62
	4/27/2015			-	36.14	-	115.82
	4/4/2016			-	33.92	-	118.04
	2/1/2017			-	38.55	-	113.41
	2/11/2019			-	36.77	-	115.19
	12/5/2019			-	35.44	-	116.52
	9/13/2022			-	36.09	-	115.87
07303-DW10	6/23/2009	151.77	115-120	-	37.84	-	113.93
	2/24/2011			-	36.86	-	114.91
	4/27/2015			-	39.28	-	112.49
	4/4/2016			-	39.76	-	112.01
	2/1/2017			-	39.96	-	111.81
	2/11/2019			-	47.31	-	104.46
	12/5/2019			-	35.61	-	116.16
	9/13/2022			-	38.81	-	112.96
07303-DW11	5/5/2011	147.66	74-79	-	46.10	-	101.56
	4/28/2015			-	46.10	-	101.56
	4/5/2016			-	42.90	-	104.76
	2/2/2017			-	48.83	-	98.83
	2/14/2019			-	44.53	-	103.13
	12/5/2019			-	45.37	-	102.29
	9/13/2022			-	45.65	-	102.01

TABLE 2
GROUNDWATER POTENTIOMETRIC DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170T

Well #	Date	TOC Elevation**	Screened Interval	Depth to Product*	Depth to Water*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
07303-RW1	12/8/2014	Unknown	30.1-50.1	-	41.20	-	-
	4/30/2015	151.83		-	41.16	-	110.67
	4/6/2016			-	39.54	-	112.29
	2/3/2017			-	42.98	-	108.85
	2/13/2019			41.73	41.80	**0.07**	110.03
	12/5/2019			37.29	39.79	**2.50**	107.87
	9/14/2022			41.73	43.03	**1.30**	104.63
07303-RW2	12/8/2014	Unknown	30.1-50.1	-	40.93	-	-
	4/30/2015	152.03		-	40.85	-	111.18
	4/6/2016			-	38.94	-	113.09
	2/3/2017			-	42.64	-	109.39
	2/13/2019			-	39.75	-	112.28
	12/6/2019			-	39.69	-	112.34
	9/14/2022			-	40.25	-	111.78
07303-RW3	12/8/2014	Unknown	30.2-50.2	-	40.46	-	-
	4/29/2015	151.99		-	40.13	-	111.86
	4/6/2016			-	38.37	-	113.62
	2/3/2017			-	42.05	-	109.94
	2/13/2019			-	39.10	-	112.89
	12/6/2019			-	38.84	-	113.15
	9/14/2022			-	39.56	-	112.43
07303-RW4	12/8/2014	Unknown	30.1-50.1	-	40.65	-	-
	4/30/2015	151.74		-	39.88	-	111.86
	4/6/2016			-	37.38	-	114.36
	2/3/2017			-	41.90	-	109.84
	2/12/2019			-	38.25	-	113.49
	12/6/2019			-	38.73	-	113.01
	9/14/2022			-	39.37	-	112.37
07303-RW5	6/28/2016	150.55	30-50	-	35.66	-	114.89
	2/3/2017			38.95	39.03	**0.08**	111.52
	2/13/2019			--	35.50	--	115.05
	12/6/2019			35.68	35.69	**0.01**	114.86
	9/14/2022			36.40	36.43	**0.03**	114.12

Notes:

-- = No measurable product.

* = Relative to top of casing (TOC).

** = The TOC elevation benchmark was adjusted from 100' to 150' to allow for the newly installed deep wells with water levels greater than 100' below the TOC.

*** = Product thickness visually confirmed. Observed in bailer during purging.

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170T

WELL ID	SAMPLING DATE	PARAMETERS																			
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	0.05	128	1,400	150	47	N/A	10,000	240	N/A	N/A	N/A	N/A	N/A
07303-MW3	10/1/2008	**8.51**	<1.00	4.1	7.25	3.53J	**57.3**	<1.00	<0.010	0.014B	--	--	--	--	--	--	--	--	7.85	<5.0	0.395	1.46J
	2/16/2009	2.45	<1.00	<1.00	<3.00	<5.00	**56.4**	<1.00	<0.010	0.0051B	6.94	101	2.67J	<5.00	<10.0	<100	**46.3**	<5.00	--	--	--	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	2.0	56	**46**	510	**170**	<3.0	<3.0	<0.020	0.0119	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/14/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW5R	10/1/2008	NOT SAMPLED																				
	2/16/2009	<1.00	<1.00	<1.00	<3.00	<5.00	0.994J	<1.00	<0.010	<0.015	<5.00	<10.0	<5.00	<5.00	<10.0	<100	<20.0	<5.00	--	--	--	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	<0.001	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/14/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW9	10/1/2008	**2,820**	**4,860**	**1,140**	4,720	**357**	**9,050**	<50.0	**197**	**0.16**	--	--	--	--	--	--	--	--	<0.10	1.4B	0.131	1.72J
	2/16/2009	**3,020**	**4,180**	**1,150**	4,370	**393**	**8,630**	**52.0**	**0.069**	0.014B	**438**	**3,450**	**247J**	<250	<500	<5,000	<1,000	<250	--	--	--	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**2,900**	**2,700**	**880**	3,900	<2,500	**9,900**	<500	<0.020	0.00796	<5,000	<50,000	<5,000	<50,000	<50,000	<50,000	<50,000	<50,000	--	--	--	--
	4/29/2015	**550**	18	330	260	**59**	**810**	<10	0.0068J	--	342	450	32	<10	<200	<1,000	220	<50	--	--	--	--
	4/8/2016	**100**	21	220	500	**58**	**140**	<5.0	--	--	5.7J	110	5.2	<5.0	<100	<500	73J	<25	--	--	--	--
	2/3/2017	**10**	2.8	33	40	9.7	7.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	**1,100**	130	**860**	570	**270**	**3,100**	**45**	<0.020	--	**150**	**3,100**	140	<10	<200	<1,000	**1,100**	<50	--	--	--	--
	12/6/2019	**970**	82	**1,100**	2,500	**320**	**900**	<20	<0.019	--	71J	**1,700**	40	<20	<400	<2,000	**710**	<100	--	--	--	--
	9/14/2022	**350**	23	310	31	**110**	**680**	<5.0	<0.020	--	32J	350	27	<5.0	<100	<500	**270**	<25	--	--	--	--
07303-MW10	10/1/2008	**FREE PRODUCT - 0.33 FEET**																				
	2/16/2009	**FREE PRODUCT - 0.10 FEET**																				
	6/22/2009	NOT SAMPLED																				
	2/24/2015	**3,700**	**12,000**	**1,800**	10,000	<2,500	**4,600**	<500	**4.23**	0.0253	<5,000	<50,000	<5,000	<50,000	<50,000	<50,000	<50,000	<50,000	--	--	--	--
	4/29/2015	**1,200**	**8,700**	**2,100**	**14,000**	**1,200**	**810**	<100	**0.069**	--	462	**3,100**	<100	<100	<2,000	<10,000	**780J**	<500	--	--	--	--
	4/8/2016	**520**	**1,600**	**1,500**	9,100	**1,000**	**1,600**	<50	--	--	**206J**	**7,400**	74	<50	<1,000	<5,000	**2,600**	<250	--	--	--	--
	2/3/2017	**FREE PRODUCT - 0.14 FEET**																				
	2/13/2019	**FREE PRODUCT - 0.01 FEET**																				
	12/6/2019	**FREE PRODUCT - 0.01 FEET**																				
	9/14/2022	**FREE PRODUCT - 0.02 FEET**																				
07303-MW11	2/17/2009	<1.00	<1.00	<1.00	<3.00	<5.00	0.822J	<1.00	<0.010	0.014B	<5.00	<10.0	<5.00	<5.00	<10.0	<100	<20.0	<5.00	1.06	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<3.0	<1.0	<0.020	0.013J	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	1.4	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	0.95J	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	0.70J	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.021	--	<10	<20	<1.0	<1.0	<20	150	<20	<5.0	--	--	--	--
07303-MW12	2/17/2009	<1.00	<1.00	<1.00	<3.00	<5.00	25.3	<1.00	<0.010	0.004B	<5.00	<10.0	1.22J	<5.00	<10.0	<100	<20.0	<5.00	2.47	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	37	<1.0	<0.020	0.013J	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	3.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	20	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/3/2017	<1.0	<1.0	<1.0	<1.0	<1.0	2.8	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	4.8	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170T

WELL ID	SAMPLING DATE	PARAMETERS																				
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	0.05	128	1,400	150	47	N/A	10,000	240	N/A	N/A	N/A	N/A	N/A
07303-MW13	2/17/2009	<1.00	<1.00	<1.00	35.8	10.1	17.4	<1.00	<0.010	<0.015	<5.00	16.7	1.11J	<5.00	<10.0	<100	<20.0	<5.00	4.39	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	**72**	6.9	18	13	<5.0	**180**	<1.0	<0.020	0.00609	<10	960	12	<100	<100	<100	170	<100	--	--	--	--
	4/29/2015	0.71J	<1.0	<1.0	<1.0	<1.0	1.8	<1.0	<0.020	--	<10	28	<1.0	<1.0	<20	<100	4.0J	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	6.2	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/3/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	0.63J	<1.0	<0.019	--	<10	15J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	1.6	2.3	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/13/2022	0.82J	0.56J	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	23	<1.0	<1.0	<20	<100	17J	<5.0	--	--	--	--
07303-MW14	2/17/2009	<1.00	<1.00	<1.00	<3.00	<5.00	1.55	<1.00	<0.010	0.0037B	<5.00	<10.0	<5.00	<5.00	<10.0	<100	<20.0	<5.00	2.00	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<3.0	<1.0	<0.020	0.0140	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	1.9	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	0.40J	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW15	2/17/2009	**822**	**1,420**	417	1,550	**143**	**1,320**	<20.0	<0.010	0.0047B	**141**	**2,150**	40.8J	<100	<200	<2,000	<400	<100	<0.010	<5.0	**0.4**	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	**770**	940	510	2,500	**190**	**1,200**	<1.0	<0.020	0.00774	73	**2,500**	59	<100	<100	<100	**1,600**	<100	--	--	--	--
	4/29/2015	**450**	500	580	2,300	**250**	**260**	**16J**	<0.019	--	32J	830	22	<20	<400	<2,000	**420**	<100	--	--	--	--
	4/5/2016	**71**	6.4	9.1	470	**150**	34	3.7	--	--	3.7J	180	<1.0	<1.0	<20	<100	130	<5.0	--	--	--	--
	2/2/2017	**190**	160	320	1,200	**170**	**150**	<10	--	--	22J	970	<10	<10	<200	<1,000	**480**	<50	--	--	--	--
	2/14/2019	**52**	9.4	21	870	**180**	18	1.4	<0.019	--	2.3J	140	1.2	<1.0	<20	<100	130	<5.0	--	--	--	--
	12/6/2019	**64**	63	270	1,200	**180**	13	2.2J	<0.019	--	2.9J	320	<5.0	<5.0	<100	<500	130	<25	--	--	--	--
	9/14/2022	**120**	39	640	1,400	**310**	19	<10	<0.020	--	6.0J	590	<10	<10	<200	<1,000	230	<50	--	--	--	--
07303-MW16	2/17/2009	**183**	85.5	57.2	107	<25.0	**542**	**9.19**	0.019	0.0037B	99.3	114	28.6	<25.0	<50.0	<500	237	<25.0	<0.010	<5.0	2.2	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**60**	4.6	4.8	18	9.0	**200**	<1.0	<0.020	0.00214	<10	<100	13	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	2.6	<1.0	<1.0	<1.0	1.6	**67**	1.3	<0.019	--	1.3J	50	5.0	<1.0	<20	<100	39	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	0.55J	2.0	<1.0	--	--	<10	2.6J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	**7.2**	<1.0	0.60J	<1.0	<1.0	26	<1.0	--	--	1.5J	34	2.4	<1.0	<20	<100	15J	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	0.70J	<1.0	<1.0	<1.0	2.8	1.5	<1.0	<0.019	--	<10	8.5J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/14/2022	0.51J	<1.0	<1.0	<1.0	1.1	1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW17	2/16/2009	**106**	15.7	54.6	84.0	<25.0	**463**	4.74J	<0.010	<0.015	88.3	72.8	24.0J	<25.0	<50.0	<500	<100	<25.0	<0.010	<5.0	2.4	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**51**	<1.0	7.4	<3.0	13	**220**	<1.0	<0.020	0.00201	<10	<100	12	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	0.56J	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	0.50J	<1.0	<1.0	<1.0	2.2	1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/14/2022	<1.0	<1.0	<1.0	<1.0	1.1	0.80J	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW18	2/16/2009	**255**	72.7	109	458	<25.0	**689**	**7.48**	0.015	0.0056B	44.0	173	37.9	<25.0	<50.0	<500	143	<25.0	<0.010	<5.0	2.5	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**370**	340	140	1,400	**110**	**930**	<1.0	<0.021	0.00126	35	390	65	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	2.4	<1.0	3.1	1.6	2.3	19	<1.0	<0.020	--	0.96J	41	1.4	<1.0	<20	<100	2.7J	<5.0	--	--	--	--
	4/5/2016	**5.2**	0.98J	6.5	2.7	9.6	**50**	<1.0	--	--	2.1J	160	2.7	<1.0	<20	<100	11J	<5.0	--	--	--	--
	2/3/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	3.4	<1.0	<1.0	0.46J	2.5	13	<1.0	<0.020	--	0.71J	58	<1.0	<1.0	<20	<100	8.4J	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	6.0	<1.0	<0.019	--	0.60J	12J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/14/2022	1.8	<1.0	0.55J	0.53J	1.2	7.7	<1.0	<0.020	--	1.1J	43	0.50J	<1.0	<20	<100	<20	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170T

WELL ID	SAMPLING DATE	PARAMETERS																			
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	0.05	128	1,400	150	47	N/A	10,000	240	N/A	N/A	N/A	N/A	N/A
07303-MW19	2/17/2009	**3,110**	**9,000**	**1,330**	5,410	**682**	**12,100**	<100	**6.49**	**0.10**	**804**	**7,480**	**323J**	<500	<1,000	<10,000	<7,000	<500	<0.010	4.1B	2.8	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**FREE PRODUCT - 0.05 FEET**																				
	4/29/2015	**1,800**	**13,000**	**1,900**	**12,000**	**1,700**	**5,600**	**81J**	**14**	--	**480J**	**8,600**	**230**	<100	<2,000	<10,000	**1,500J**	<500	--	--	--	--
	4/6/2016	**FREE PRODUCT - 0.05 FEET**																				
	2/3/2017	**1,500**	**18,000**	**2,100**	**16,000**	**1,200**	**2,200**	<200	--	--	**310J**	**6,700**	<200	<200	<4,000	<20,000	**3,300J**	<1,000	--	--	--	--
	2/13/2019	**FREE PRODUCT - 0.01 FEET**																				
	12/5/2019	**6.2**	210	54	1,100	**110**	1.7	<1.0	**0.44**	--	<10	<20	<1.0	<1.0	<20	<100	25	<5.0	--	--	--	--
	9/14/2022	**830**	**10,000**	**3,000**	**17,000**	**1,100**	**550**	<100	**0.51**	--	**150J**	**6,200**	<100	<100	<2,000	<10,000	**1,000J**	<500	--	--	--	--
07303-MW20	2/17/2009	**1,340**	**1,840**	**1,040**	2,670	**602**	**6,230**	<100	**1.61**	**0.053B**	**676**	**16,300**	146J	<500	<1,000	<10,000	**8,450**	<500	<0.010	<5.0	0.6	--
	6/22/2009	NOT SAMPLED																				
	2/25/2011	**FREE PRODUCT - 0.07 FEET**																				
	4/29/2015	**1,100**	**9,100**	**2,500**	**16,000**	**1,300**	**1,600**	**53J**	**3.3**	--	120J	**9,100**	80J	<200	<4,000	<20,000	**2,900J**	<1,000	--	--	--	--
	4/6/2016	**87**	100	16J	82J	**34**	**540**	<20	--	--	55J	**14,000**	16J	<20	<400	<2,000	**4,600**	<100	--	--	--	--
	2/3/2017	**370**	**4,600**	**2,100**	**13,000**	**710**	**250**	<50	--	--	<500	**4,600**	<50	<50	<1,000	<5,000	**1,700**	<250	--	--	--	--
	2/13/2019	**82**	1,000	84	2,300	**60**	**47**	<10	0.083IP	--	9.1J	820	<10	<10	<200	<1,000	**250**	<50	--	--	--	--
	12/6/2019	**160**	**1,400**	360	3,600	**280**	**51**	<20	<0.019	--	17J	**1,700**	<20	<20	<400	<2,000	**510**	<100	--	--	--	--
	9/14/2022	**140**	220	**2,000**	9,000	**1,100**	**41J**	<50	<0.020	--	<500	**2,200**	<50	<50	<1,000	<5,000	**610J**	<250	--	--	--	--
07303-MW21	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0289	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	93J	<20	<5.0	--	--	--	--
07303-MW22	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0152	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	0.64J	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	0.44J	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	0.41J	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.021	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW23	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	**46**	4.6	40	<3.0	**73**	**140**	<1.0	<0.020	0.0106	<10	360	<10	<100	<100	<100	<100	120	<100	--	--	--
	4/29/2015	OBSTRUCTED																				
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	**140**	4.0	11	2.1	4.4	**73**	1.7	--	--	6.3J	330	<1.0	<1.0	<20	<100	190	<5.0	--	--	--	--
	2/14/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/12/2022	**28**	6.0	110	2.3	7.3	1.0	0.65J	<0.020	--	0.51J	17J	<1.0	<1.0	<20	74J	20	<5.0	--	--	--	--
07303-MW24	6/22/2009	**233**	195	**1,040**	2,990	**312**	19.3J	<20.0	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2001	**38**	6.3	460	780	**200**	<3.0	<3.0	<0.020	0.0110	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	**24**	190	**770**	2,900	**320**	<20	<20	<0.019	--	<200	52J	<20	<20	<400	<2,000	200J	<100	--	--	--	--
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	**252**	**2,500**	**1,900**	**11,000**	**580**	<50	<50	--	--	<500	<1,000	<50	<50	<1,000	<5,000	**1,100**	<250	--	--	--	--
	2/14/2019	<1.0	<1.0	0.48J	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/13/2022	<5.0	94	350	1,200	**140**	<5.0	<5.0	<0.018	--	<50	<100	<5.0	<5.0	<100	<500	110	<25	--	--	--	--
07303-MW25	6/22/2009	**299**	65.8	635	1,260	**226**	**103**	<10.0	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	**300**	17	420	560	**190**	**250**	<1.0	<0.020	0.00194	<10	530	<10	<100	<100	<100	**290**	<100	--	--	--	--
	4/28/2015	**77**	23	180	470	**56**	**100**	2.7J	<0.019	--	3.0J	410	3.0J	<5.0	<100	<500	240	<25	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	**47**	12	170	240	**51**	**13**	<1.0	--	--	4.0J	35	2.8	<1.0	<20	<100	**66**	<5.0	--	--	--	--
	2/14/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/13/2022	**48**	5.0	300	30	7.7	7.5	<5.0	<0.022	--	2.2J	130	<5.0	<5.0	<100	<500	130	<25	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170T

WELL ID	SAMPLING DATE	PARAMETERS																			
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	0.05	128	1,400	150	47	N/A	10,000	240	N/A	N/A	N/A	N/A	N/A
07303-MW26	6/22/2009	**399**	119	335	1,160	**165**	**156**	<10.0	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	**2,300**	63	**1,700**	2,600	**490**	**520**	<1.0	<0.020	0.0298	48	**2,100**	58	<100	<100	<100	**2,300**	<100	--	--	--	--
	4/29/2015	**22**	3.7	53	110	21	31	0.763	<0.019	--	1.4J	91	<1.0	<1.0	<20	<100	48	<5.0	--	--	--	--
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	**1,100**	120	**2,000**	4,500	**550**	**180**	<50	--	--	78J	430J	69	<50	<1,000	<5,000	**1,200**	<250	--	--	--	--
	2/14/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	1.8	<1.0	0.69J	1.6	2.7	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/14/2022	Presumed Destroyed																				
07303-MW27	6/22/2009	**500**	13.1	261	96.8	**60.9**	**1,060**	<10.0	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	**510**	50	**1,400**	660	**550**	28	<1.0	<0.020	0.0368	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	**250**	37	**880**	1,900	**280**	**98**	<10	<0.019	--	<100	360	<10	<10	<200	<1,000	210	<50	--	--	--	--
	4/6/2016	**230**	71	**1,100**	1,600	**350**	**150**	<5.0	--	--	14J	560	10	<5.0	<100	<500	**260**	<25	--	--	--	--
	2/2/2017	**27**	2.8	85	42	**30**	7.1	<1.0	--	--	1.3J	38	1.1	<1.0	<20	<100	30	<5.0	--	--	--	--
	2/14/2019	**130**	81	**2,100**	6,800	**630**	<50	<50	<0.020	--	<500	<1,000	<50	<50	<1,000	<5,000	<1,000	<250	--	--	--	--
	12/6/2019	**110**	<20	**1,800**	8,100	**730**	**110**	<20	<0.019	--	15J	**1,600**	<20	<20	<400	<2,000	**710**	<100	--	--	--	--
	9/14/2022	**34**	23	**1,400**	3,500	**560**	<20	<20	<0.019	--	<200	<400	<20	<20	<400	<2,000	<400	<100	--	--	--	--
07303-MW27 (DUP)	9/14/2022	**36**	22	**1,400**	3,600	**570**	<20	<20	<0.020	--	<200	<400	<20	<20	<400	<2,000	<400	<100	--	--	--	--
07303-MW28	6/22/2009	<1.00	<1.00	<1.00	<3.00	3.98J	0.749J	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	5.9	**54**	<1.0	<0.020	0.0204	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	<1.0	<1.0	<1.0	<3.0	<1.0	0.60J	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW29	6/22/2009	**14.4**	11.3	65.4	302	**29.0**	**44.2**	4.39	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<20	53	120	270	<100	<20	<20	<0.020	0.00640	<200	<2,000	<200	<2,000	<2,000	<2,000	<2,000	<2,000	--	--	--	--
	4/29/2015	**10**	4.5J	52	130	11	19	<5.0	<0.019	--	<50	29J	<5.0	<5.0	<100	<500	46J	<25	--	--	--	--
	4/5/2016	<1.0	<1.0	0.81J	2.1	0.33J	0.67J	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	**1.6**	0.95J	1.3	0.90J	1.3	9.5	1.2	--	--	0.70J	29	2.4	<1.0	<20	<100	58	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	**17**	18	36	140	**32**	8.0	1.2	<0.019	--	1.1J	37	1.9	<1.0	<20	<100	36	<5.0	--	--	--	--
	9/14/2022	2.3	<1.0	4.5	11	3.1	3.0	0.75J	<0.019	--	<10	16J	1.4	<1.0	<20	<100	37	<5.0	--	--	--	--
07303-MW30	6/22/2009	3.06	<1.00	1.25	<3.00	<5.00	31.4	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	2.2	<1.0	<1.0	<3.0	<5.0	6.1	<1.0	<0.020	<0.001	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/29/2015	1.0	<1.0	<1.0	<1.0	<1.0	5.3	<1.0	<0.020	--	<10	3.2J	<1.0	<1.0	<20	<100	2.0J	<5.0	--	--	--	--
	4/5/2016	0.21J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	0.60J	<1.0	<1.0	<3.0	<1.0	1.5	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	0.45J	<1.0	<1.0	<1.0	<1.0	0.77J	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/14/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW31	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.00818	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/14/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	62J	<20	<5.0	--	--	--	--
07303-MW32	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.021	0.0119	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/14/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170T

WELL ID	SAMPLING DATE	PARAMETERS																			
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	0.05	128	1,400	150	47	N/A	10,000	240	N/A	N/A	N/A	N/A	N/A
07303-MW33	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	5.0	8.2	15	<3.0	<1.0	<0.020	0.0317	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/14/2022	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW34	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<3.0	<1.0	<0.021	0.0347	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/13/2022	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW35	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<3.0	<1.0	<0.020	0.0236	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/13/2022	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW36	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<3.0	<1.0	<0.020	0.00409	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/13/2022	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW37	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<3.0	<1.0	<0.021	0.0255	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/13/2022	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW38	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010													
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<3.0	<1.0	<0.020	0.0110	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/13/2022	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW39	2/25/2011	1.3	<1.0	<1.0	<3.0	<5.0	5.0	<1.0	<0.020	0.0203	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/13/2022	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170T

WELL ID	SAMPLING DATE	PARAMETERS																			
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	0.05	128	1,400	150	47	N/A	10,000	240	N/A	N/A	N/A	N/A	N/A
07303-MW40	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<3.0	<1.0	<0.020	**0.0501**	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW41	3/24/2011	**81**	<5.0	<5.0	<5.0	6.0	**94**	<5.0	<0.020	0.0240	<10	250	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW42	2/25/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<1.0	<0.020	0.0108	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/14/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW43	3/24/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.021	0.0117	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/5/2016	COULD NOT FIND																				
	2/2/2017	COULD NOT FIND																				
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW44	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<5.0	<0.020	0.0229	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/6/2016	COULD NOT FIND																				
	2/2/2017	COULD NOT FIND																				
	2/14/2019	COULD NOT FIND																				
	12/4/2019	COULD NOT FIND																				
	9/12/2022	COULD NOT FIND																				
07303-MW45	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	1.3	<5.0	<0.020	0.0314	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/6/2016	COULD NOT FIND																				
	2/2/2017	COULD NOT FIND																				
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW46	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<5.0	<0.020	0.00512	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-MW47	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<5.0	<0.020	0.00351	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170T

WELL ID	SAMPLING DATE	PARAMETERS																			
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	0.05	128	1,400	150	47	N/A	10,000	240	N/A	N/A	N/A	N/A	N/A
07303-MW4S	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<3.0	<5.0	<0.020	**0.144**	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/28/2015	COULD NOT FIND																				
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	<1.0	<1.0	1.3	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	6.6	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.021	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW1	2/17/2009	1.66	1.39	<1.00	<3.00	<5.00	**47.5**	<1.00	<0.010	<0.075	6.66	42.9	2.42J	<5.00	<10.0	<100	<20.0	<5.00	0.507	9.4	0.2	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	2.8	<1.0	<1.0	<3.0	<5.0	**330**	<1.0	<0.020	<0.001	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	1.9	<1.0	<1.0	<1.0	<1.0	**63**	<1.0	<0.019	--	2.4J	29	2.9	<1.0	<20	<100	20	<5.0	--	--	--	--
	4/5/2016	1.6	<1.0	<1.0	<1.0	<1.0	**79**	<1.0	--	--	3.5J	49	3.6	<1.0	<20	<100	30	<5.0	--	--	--	--
	2/2/2017	0.81J	<1.0	<1.0	<1.0	<1.0	27	<1.0	--	--	1.5J	21	1.6	<1.0	<20	<100	23	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	26	<1.0	<0.020	--	1.4J	30	<1.0	<1.0	<20	<100	16J	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	21	<1.0	<0.019	--	1.2J	23	1.3	<1.0	<20	<100	15J	<5.0	--	--	--	--
	9/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	18	<1.0	<0.020	--	0.96J	23	1.1	<1.0	<20	490	16J	<5.0	--	--	--	--
07303-DW2	2/17/2009	2.81	<1.00	<1.00	<3.00	<5.00	**51.3**	<1.00	<0.010	0.015B	6.77	14.7	2.14J	<5.00	<10.0	<100	<20.0	<5.00	0.594	1.4B	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	<1.0	<1.0	<1.0	<3.0	8.3	26	<1.0	<0.020	0.00129	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	1.6	<1.0	<1.0	0.44J	<1.0	38	0.56J	<0.020	--	1.8J	21	1.8	<1.0	<20	<100	17J	<5.0	--	--	--	--
	4/6/2016	<1.0	<1.0	<1.0	<1.0	<1.0	4.6	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/3/2017	2.1	1.6	1.9	2.8	1.1	12	<1.0	--	--	1.1J	11J	<1.0	<1.0	<20	<100	17J	<5.0	--	--	--	--
	2/12/2019	0.54J	<1.0	<1.0	<1.0	<1.0	7.1	<1.0	<0.020	--	<10	8.4J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	0.75J	<1.0	<1.0	<1.0	<1.0	6.3	<1.0	<0.019	--	<10	9.5J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/14/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	100	<20	<5.0	--	--	--	--
07303-DW3	2/17/2009	**6.59**	1.85J	<2.00	<6.00	<10.0	**279**	3.42	<0.010	<0.075	15.8	42.7	14.0	<10.0	<20.0	<200	76.8	<10.0	0.461	<5.0	<0.10	--
	6/22/2009	NOT SAMPLED																				
	2/24/2011	**5.4**	3.1	<1.0	<3.0	<5.0	**310**	<1.0	<0.020	0.00404	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	3.2	2.9	0.58J	2.9	<1.0	**44**	<1.0	<0.020	--	2.2J	22	2.5	<1.0	<20	<100	14J	<5.0	--	--	--	--
	4/6/2016	1.1	<1.0	<1.0	<1.0	<1.0	17	<1.0	--	--	0.60J	8.8J	<1.0	<1.0	<20	<100	6.4J	<5.0	--	--	--	--
	2/3/2017	1.7	0.77J	<1.0	<1.0	<1.0	17	<1.0	--	--	1.2J	15J	<1.0	<1.0	<20	<100	10J	<5.0	--	--	--	--
	2/13/2019	0.98J	<1.0	<1.0	<1.0	<1.0	4.6	<1.0	<0.020	--	<10	11J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	0.86J	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/14/2022	0.87J	<1.0	<1.0	<1.0	<1.0	1.6	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW5	6/22/2009	1.93	1.72	2.36	1.24J	<5.00	2.42	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<3.0	<1.0	<0.020	<0.001	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	0.78J	0.57J	<1.0	0.67J	<1.0	0.53J	<1.0	<0.020	--	<10	4.7J	<1.0	<1.0	<20	37J	<20	<5.0	--	--	--	--
	4/5/2016	0.58J	0.38J	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	1.3	<1.0	1.7	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW6	6/23/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<3.0	<1.0	<0.021	0.0142	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	0.78J	0.68J	<1.0	0.37J	<1.0	<1.0	<1.0	<0.019	--	<10	2.6J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/2/2017	<1.0	0.83J	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	110	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	94J	<20	<5.0	--	--	--	--
	9/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	190	<20	<5.0	--	--	--	--
07303-DW7	6/23/2009	<1.00	<1.00	<1.00	<3.00	<5.00	1.60	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	4.7	<1.0	<1.0	<3.0	<5.0	3.2	<1.0	<0.020	0.00318	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/30/2015	1.7	0.36J	<1.0	<1.0	<1.0	3.5	<1.0	<0.020	--	<10	2.7J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/6/2016	1.1	<1.0	<1.0	<1.0	<1.0	3.9	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/3/2017	0.66J	0.87J	<1.0	<1.0	0.92J	2.9	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/12/2019	0.50J	<1.0	<1.0	<1.0	<1.0	4.3	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	0.45J	<1.0	<1.0	<1.0	<1.0	4.1	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/14/2022	<1.0	<1.0	<1.0	<1.0	<1.0	4.2	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	68J	<20	<5.0	--	--	--	--

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170T

WELL ID	SAMPLING DATE	PARAMETERS																			
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	0.05	128	1,400	150	47	N/A	10,000	240	N/A	N/A	N/A	N/A	N/A
07303-DW9	6/22/2009	<1.00	<1.00	<1.00	<3.00	<5.00	1.20	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	<1.0	<1.0	<1.0	<3.0	<5.0	1.6	<1.0	<0.020	0.00422	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	55J	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	52J	<20	<5.0	--	--	--	--
	9/13/2022	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-DW10	6/23/2009	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/2011	1.5	<1.0	<1.0	<3.0	<5.0	<3.0	<1.0	<0.021	0.00349	<10	<100	<10	<100	<100	<100	<100	<100	--	--	--	--
	4/27/2015	0.31J	<1.0	<1.0	<3.0	<1.0	0.77J	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	4/4/2016	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/1/2017	<1.0	0.81J	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/11/2019	<1.0	<1.0	<1.0	<3.0	<1.0	0.70J	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<0.019	--	<30	<20	<1.0	<1.0	<20	130	<20	<5.0	--	--	--	--
07303-DW11	5/5/2011	**13**	<1.0	<1.0	<3.0	<5.0	**670**	<5.0	<0.020	<0.001	11	1,400	17	<100	<100	<100	**710**	<100	--	--	--	--
	4/28/2015	**8.9**	<1.0	2.2	1.0	<1.0	**250**	2.0	<0.020	--	14	700	15	<1.0	<20	<100	**310**	<5.0	--	--	--	--
	4/5/2016	**44**	<5.0	2.1J	<5.0	2.3J	**250**	<5.0	--	--	10J	820	8.9	<5.0	<100	<300	**340**	<25	--	--	--	--
	2/2/2017	**20**	1.1	1.3	0.86J	1.1	**89**	1.6	--	--	5.8J	360	3.9	<1.0	<20	<100	160	<5.0	--	--	--	--
	2/14/2019	2.0	<1.0	<1.0	<1.0	<1.0	73	<1.0	<0.020	--	2.4J	150	1.3	<1.0	<20	<100	58	<5.0	--	--	--	--
	12/5/2019	3.8	<1.0	<1.0	<1.0	0.48J	37	<1.0	<0.019	--	5.3J	140	2.8	<1.0	<20	<100	40	<5.0	--	--	--	--
	9/13/2022	**16**	<1.0	0.92J	0.47J	1.4	30	0.90J	<0.019	--	9.9J	300	3.7	<1.0	<20	<100	130	<5.0	--	--	--	--
07303-RW1	4/30/2015	**870**	**6,500**	**1,400**	7,100	**480**	**970**	**30J**	0.006J	--	63J	**3,500**	39J	<50	<1,000	<5,000	**1,200**	<250	--	--	--	--
	4/6/2016	**1,100**	**8,700**	**1,700**	**14,000**	**1,100**	**1,900**	<100	--	--	**200J**	<2,000	71J	<100	<2,000	<10,000	<2,000	<500	--	--	--	--
	2/3/2017	**1,000**	**11,000**	**2,000**	**12,000**	**640**	**560**	<100	--	--	88J	**3,000**	<100	<100	<2,000	<10,000	**810J**	<500	--	--	--	--
	2/13/2019	**FREE PRODUCT - 0.07 FEET**																				
	12/5/2019	**FREE PRODUCT - 2.50 FEET**																				
	9/14/2022	**FREE PRODUCT - 1.30 FEET**																				
07303-RW2	4/30/2015	**1,400**	**10,000**	**2,500**	**11,000**	**730**	**1,600**	**45J**	**0.26**	--	**84J**	**4,800**	68	<50	<1,000	<5,000	**2,500**	<250	--	--	--	--
	4/6/2016	**1,300**	**12,000**	**2,400**	**15,000**	**780**	**1,300**	<100	--	--	**130J**	**13,000**	<100	<100	<2,000	<10,000	**5,200**	<500	--	--	--	--
	2/3/2017	**350**	**3,400**	**1,500**	8,400	**520**	**260**	<20	--	--	<200	**2,800**	<20	<20	<400	<2,000	**710**	<100	--	--	--	--
	2/13/2019	**320**	**1,500**	**860**	8,500	**910**	**380**	<100	**13**	--	**74J**	**16,000**	<100	<100	<2,000	<10,000	**4,500**	<500	--	--	--	--
	12/6/2019	**890**	**2,100**	**2,300**	**11,000**	**840**	**170**	<100	0.011P	--	86J	**2,700**	<100	<100	<2,000	<10,000	**1,000J**	<500	--	--	--	--
	9/14/2022	**290**	96	**2,400**	9,500	**840**	**48J**	<50	<0.019	--	<300	**1,700**	<50	<50	<1,000	<5,000	**570J**	<250	--	--	--	--
07303-RW2 (DUP)	9/14/2022	**280**	110	**2,300**	9,300	**820**	**50J**	<100	0.010J	--	<1,000	**1,700J**	<100	<100	<2,000	<10,000	<2,000	<500	--	--	--	--
07303-RW3	4/29/2015	**750**	**1,300**	**2,000**	7,500	**690**	**550**	**24J**	**4.6**	--	45J	**6,600**	76J	<50	<1,000	<5,000	**2,900**	<250	--	--	--	--
	4/6/2016	**540**	**3,900**	680	7,400	**680**	**4,500**	<50	--	--	**440J**	**48,000**	110	<50	<1,000	<5,000	**11,000**	<250	--	--	--	--
	2/3/2017	**99**	530	**1,400**	4,700	**640**	**43**	<20	--	--	<200	810	<20	<20	<400	<2,000	**340J**	<100	--	--	--	--
	2/13/2019	**540**	370	**1,200**	7,400	**570**	**250**	<10	**2.6**	--	43J	**4,300**	19	<10	<200	<1,000	**1,800**	<50	--	--	--	--
	12/6/2019	**370**	**2,600**	**1,400**	**11,000**	**950**	**110**	<100	**4.2**	--	42J	**2,800**	<100	<100	<2,000	<10,000	**1,100J**	<500	--	--	--	--
	9/14/2022	**190**	190	**1,700**	4,200	**560**	**170**	<100	<0.019	--	<1,000	**4,500**	<100	<100	<2,000	<10,000	**980J**	<500	--	--	--	--
07303-RW3 (DUP)	9/14/2022	**130**	200	**1,600**	5,500	**590**	**98J**	<100	<0.020	--	<1,000	**2,900**	<100	<100	<2,000	<10,000	<2,000	<500	--	--	--	--
07303-RW4	4/30/2015	**9.0**	8.0	0.95J	16	0.96J	**200**	1.9	**0.56**	--	16	490	9.3	<1.0	<20	<100	180	<5.0	--	--	--	--
	4/6/2016	4.4	0.58J	0.54J	0.96J	<1.0	10	<1.0	--	--	2.2J	35	3.4	<1.0	<20	<100	20	<5.0	--	--	--	--
	2/3/2017	1.4	<1.0	<1.0	<3.0	<1.0	20	<1.0	--	--	1.0J	22	1.6	<1.0	<20	<100	14J	<5.0	--	--	--	--
	2/12/2019	**17**	1.6	19	8.8	<1.0	17	1.1	<0.019	--	0.72J	48	1.5	<1.0	<20	<100	38	<5.0	--	--	--	--
	12/6/2019	**16**	0.76J	20	1.6	<1.0	4.1	<1.0	<0.020	--	0.95J	<20	1.6	<1.0	<20	<100	8.2J	<5.0	--	--	--	--
	9/14/2022	<1.0	<1.0	0.55J	<3.0	<1.0	3.5	<1.0	<0.022	--	<30	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-RW5	2/3/2017	**FREE PRODUCT - 0.08 FEET**																				
	2/13/2019	**280**	**11,000**	**2,700**	**21,000**	**740**	**860**	<100	**21**	--	**170J**	**4,900**	<100	<100	<2,000	<10,000	<2,000	<500	--	--	--	--
	12/6/2019	**FREE PRODUCT - 0.01 FEET**																				
	9/14/2022	**FREE PRODUCT - 0.03 FEET**																				

TABLE 3
GROUNDWATER LABORATORY DATA
FORMER LI'L CRICKET #339
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
TERRY PROJECT #2170T

WELL ID	SAMPLING DATE	PARAMETERS																			
		Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	Nitrate/ Nitrite	Sulfate	Ferrous Iron	Methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L
RBSL	--	**5**	**1,000**	**700**	**10,000**	**25**	**40**	**5**	**0.05**	**0.05**	**128**	**1,400**	**150**	**47**	**N/A**	**10,000**	**240**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
07303-SW1	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	4.7	<1.0	<0.020	--	<10	11J	<1.0	<1.0	<20	<100	4.4J	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	5.4	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	3.5J	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	6.8	<1.0	--	--	<10	9.7J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	5.4	<1.0	<0.019	--	<10	16J	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	0.56J	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-SW2	5/5/2011	<1.0	<1.0	<1.0	<3.0	<5.0	<3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	4.7	<1.0	<0.019	--	<10	7.6J	<1.0	<1.0	<20	<100	3.4J	<5.0	--	--	--	--
	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	5.2	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	3.2J	<5.0	--	--	--	--
	2/1/2017	<1.0	<1.0	<1.0	<1.0	<1.0	1.9	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	2/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	12/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
	9/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	0.90J	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-FB1	9/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-FB2	9/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-FB3	9/14/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--
07303-TB	9/14/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	--	--	--	--

NOTES:

-- = Parameter was not tested
RBSL = Risk Based Screening Levels
ug/L= micrograms per liter
mg/L= milligrams per liter
J = Indicates an estimated value
P = The RPD between two GC columns exceeds 40%
B = (ORGANICS) Indicates the analyte was detected in the associated method blank
B = (INORGANICS) Indicates the result is between the RDL and the MDL
Bold Lettering indicates parameter exceeds SCDHEC RBSLs except for 1,2 DCA which is based on EPA limits
* = Sample was collected beneath free product (0.02' thickness) per SCDHEC request

MTBE = Methyl tertiary butyl ether
1,2 DCA = 1,2 Dichloroethane
EDB = 1,2-Dibromoethane
TAME = tert-Amyl methyl ether or t-amyl methyl ether
TBA = tert-Butyl Alcohol or t-Butanol
DIPE = Isopropyl ether or diisopropyl Ether
ETBE = Ethyl tert-butyl ether

ETBA = 3,3-Dimethyl-1-butanol or ethyl tert-butanol
TAA = tert-Amyl alcohol
TBF = tert-butyl formate
DUP = Duplicate
FB = Field Blank
TB = Trip Blank

J. FIGURES

1. Topographic Map

Figure 1 Topographic Map - Attached

2. Site Base Map

Figure 2 Site Base Map - Attached

3. CoC Site Maps

Figure 3 Soil CoC Map - Not Applicable

Figure 4A Groundwater CoC Map - Attached

Figure 4B Groundwater CoC Map (Oxygenates) - Attached

4. Site Potentiometric Maps

Figure 5A Site Potentiometric Map (Shallow) - Attached

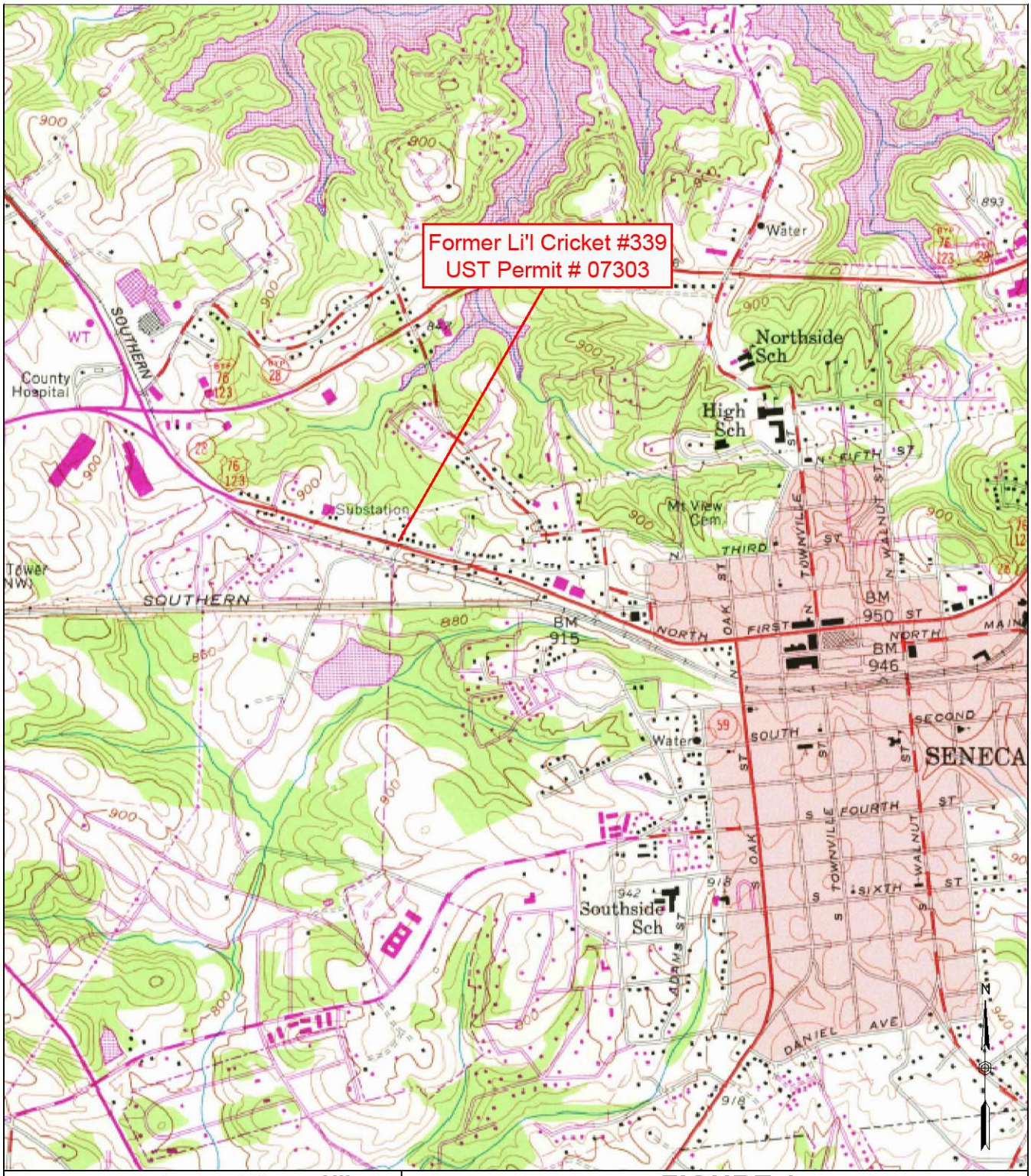
Figure 5B Site Potentiometric Map (Deep) - Attached

5. Geologic Cross Sections

Figure 6 Geologic Cross Sections - Not Applicable

6. Predicted Migration and Attenuation of CoCs

Figure 7 Predicted Migration and Attenuation of CoCs - Not Applicable



1,000 0 1,000 2,000
FEET

FIGURE 1
TOPOGRAPHIC MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, South Carolina

TERRY ENVIRONMENTAL SERVICES
CLIENTS FIRST ALWAYS

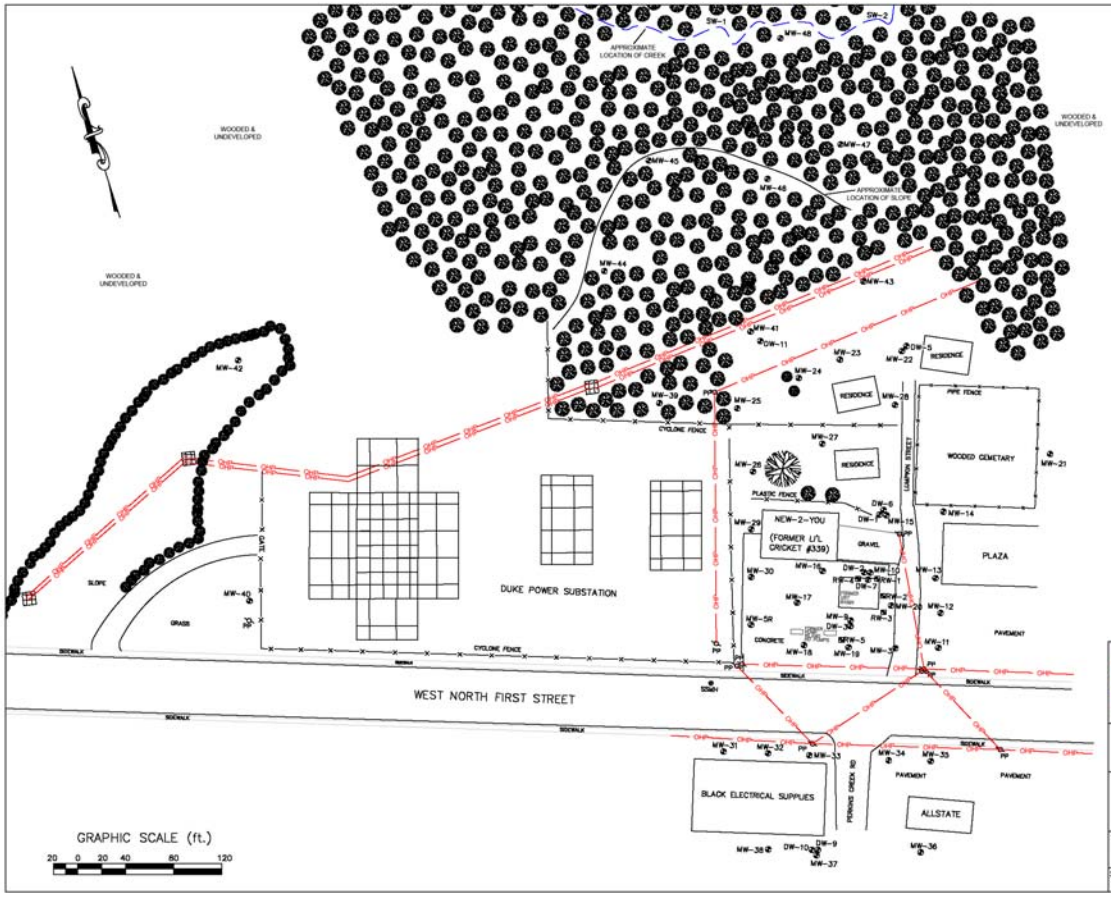
... providing our clients with the best services available, actually understanding our clients objectives, and making their obectives our own!

PO Box 25
Summerville, South Carolina 29484
(800) 325-0605 (843)-873-8200 fax: (843)-873-8765

SIZE	TERRY Project No.	DWG NO.	REV
B	2170T	Figure 1 Topo Map	

SCALE: As Shown

DATE: October 2022



TERRY ENVIRONMENTAL SERVICES
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FIGURE 2
SITE BASE MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170T	07303
SCALE 1" = 80'	DATE October 2022

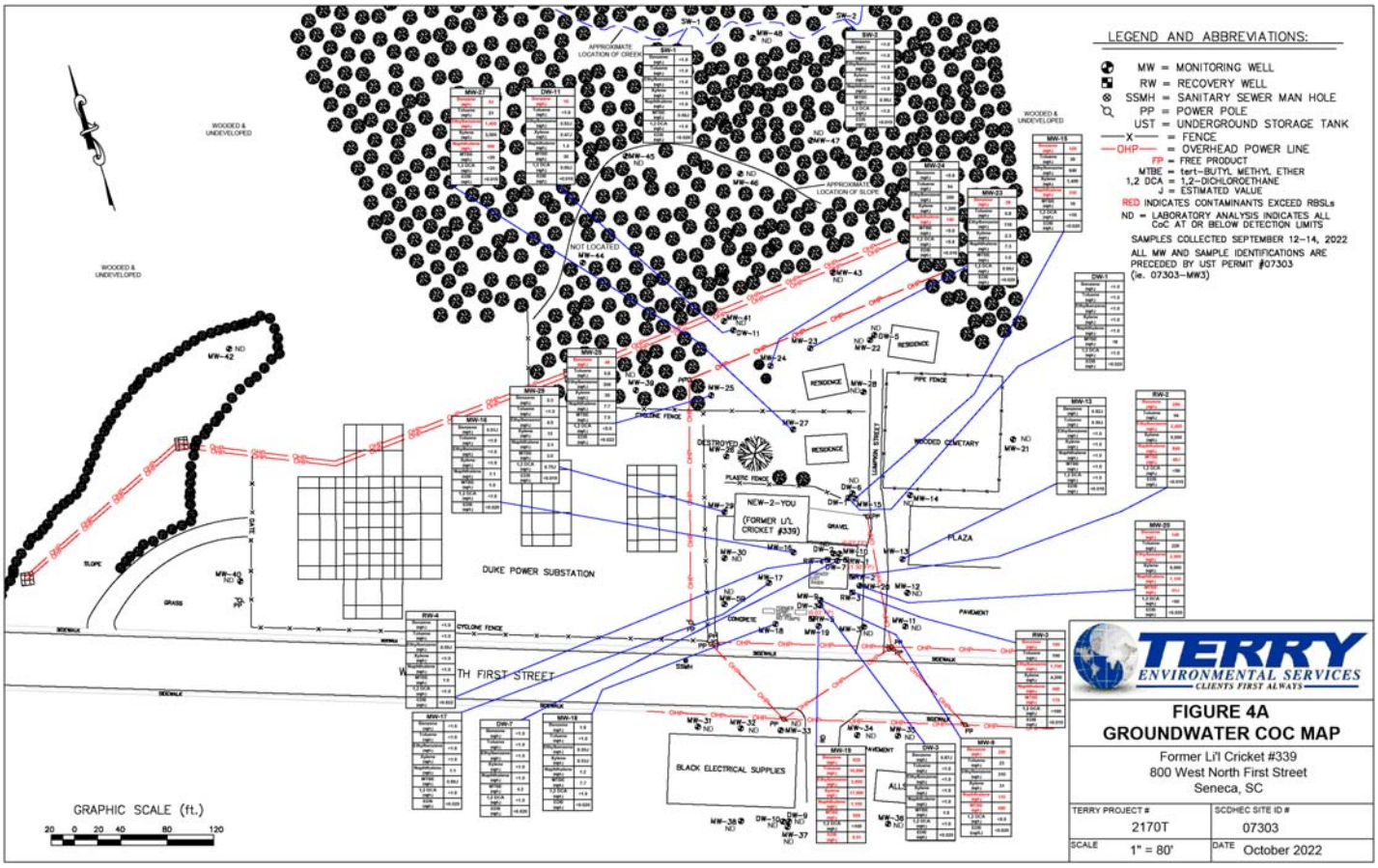

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FIGURE 4A
GROUNDWATER COC MAP

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170T	07303
SCALE 1" = 80'	DATE October 2022

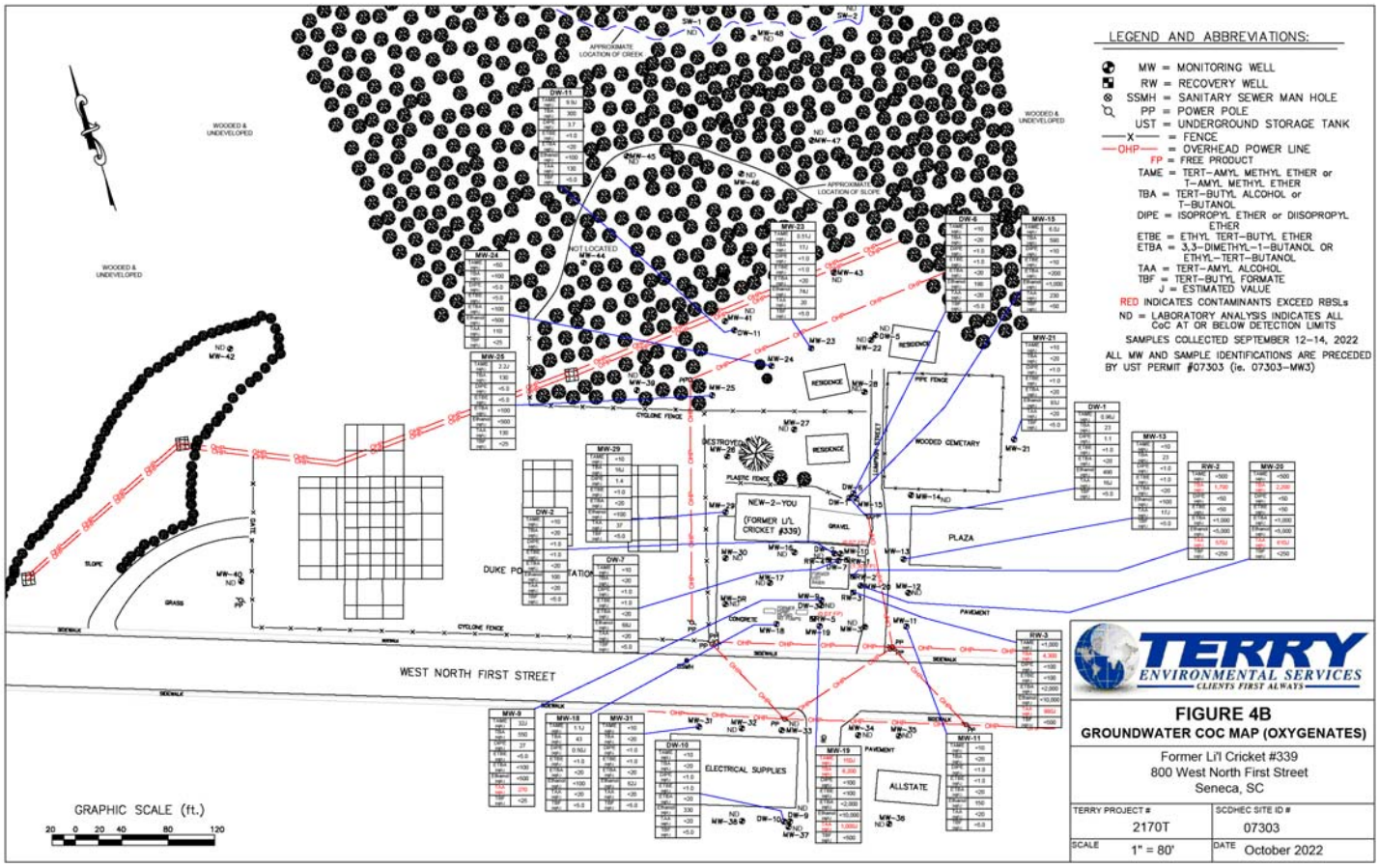

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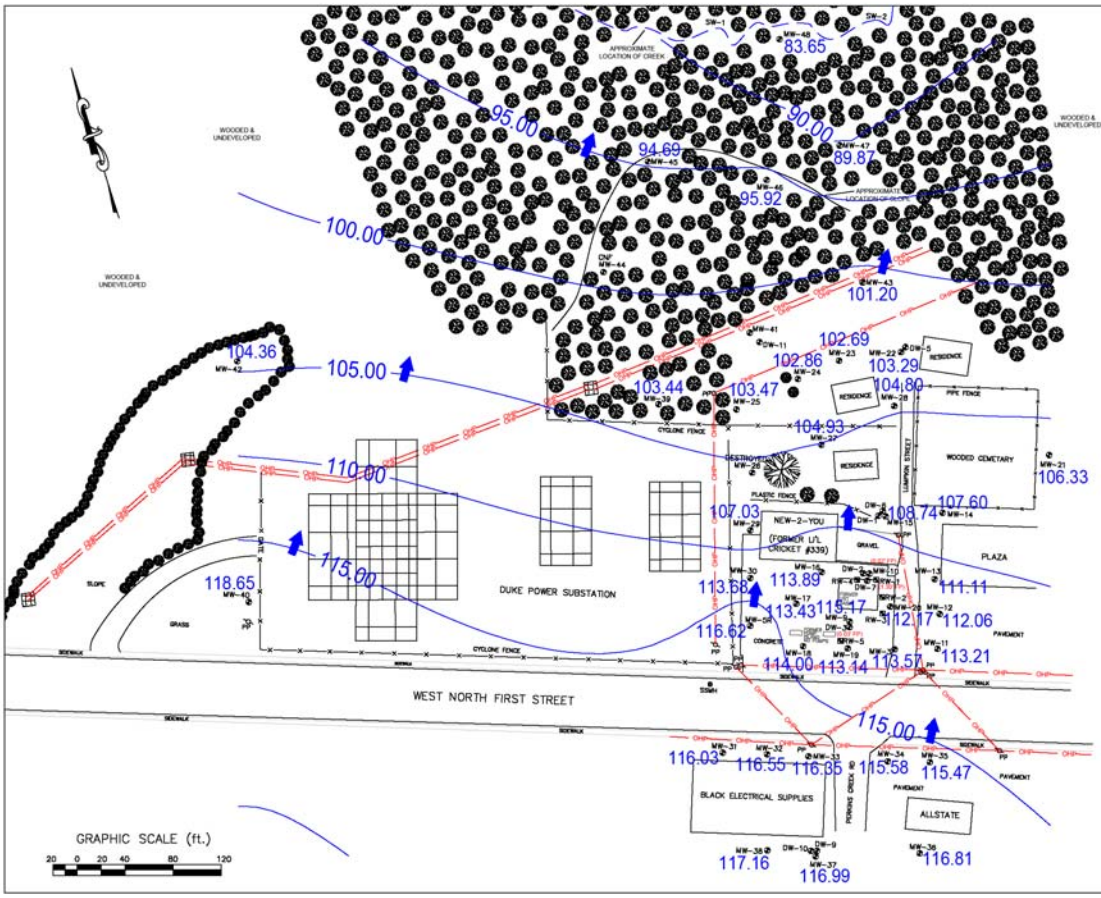
FIGURE 4B
GROUNDWATER COC MAP (OXYGENATES)

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170T	07303
SCALE 1" = 80'	DATE October 2022



TERRY ENVIRONMENTAL SERVICES
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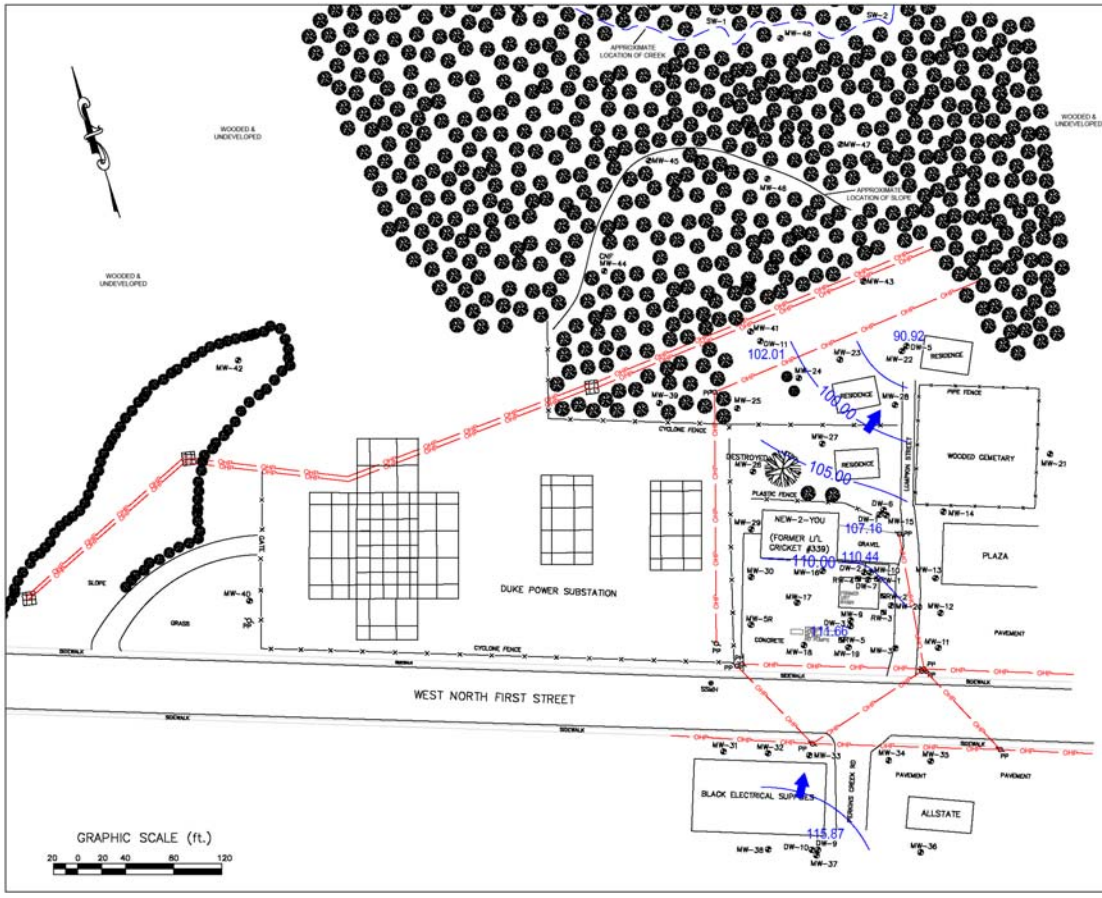
FIGURE 5A
SITE POTENTIOMETRIC MAP (SHALLOW)

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170T	07303
SCALE 1" = 80'	DATE October 2022



LEGEND AND ABBREVIATIONS:

- MW = MONITORING WELL
- RW = RECOVERY WELL
- SSMH = SANITARY SEWER MAN HOLE
- PP = POWER POLE
- UST = UNDERGROUND STORAGE TANK
- —X— = FENCE
- —OHP— = OVERHEAD POWER LINE
- 107.16 GROUNDWATER ELEVATION (RELATIVE TO AN ASSUMED DATUM)
- 105.00 GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION
- CNF = WELL NOT LOCATED

MEASUREMENTS COLLECTED SEPTEMBER 12–14, 2022

ALL MW AND SAMPLE IDENTIFICATIONS ARE PRECEDED BY UST PERMIT #07303 (ie. 07303–MW3)

TERRY ENVIRONMENTAL SERVICES
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FIGURE 5B
SITE POTENTIOMETRIC MAP (DEEP)

Former Li'l Cricket #339
800 West North First Street
Seneca, SC

TERRY PROJECT #	SCDHEC SITE ID #
2170T	07303
SCALE 1" = 80'	DATE October 2022

K. APPENDICES

1. Appendix A: Site Survey

Not Applicable

2. Appendix B: Sampling Logs and Laboratory Data

3. Appendix C: Tax Map

Not Applicable

4. Appendix D: Soil Boring/Field Screening Logs

Not Applicable

5. Appendix E: Well Completion Logs/SCDHEC 1903 Forms

Not Applicable

6. Appendix F: Aquifer Evaluation Forms

Not Applicable

7. Appendix G: Disposal Manifest

8. Appendix H: Local Zoning Regulations

Not Applicable

9. Appendix I: Fate and Transport Modeling Data

Not Applicable

10. Appendix J: Access Agreements

Not Applicable

11. Appendix K: Data Verification Checklist

APPENDIX A

Site Survey
(Not Applicable)

APPENDIX B

Sampling Logs and Laboratory Data

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/14/2022
Field Personnel	LJAB
General Weather	clear
Ambient Air Temperature	70

Monitoring Well Information

Well ID	07303 - MW-3
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	37-55	ft
Total Well Depth (nearest 0.1')	54.6	ft
Depth to Groundwater (nearest 0.01')	38.58	ft
Length of Water Column	16.02	ft
1 Casing Volume (0.163)	2.61	ft
3 Casing Volumes (0.489)	7.83	gals
Total Volume Purged	12	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

54.6

Purge Technique Utilized (bailer, pump) (5)

Well Yield Low ☐ Medium ☑ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0810		Last Verification (time)		

Volume (gal)	initial	3	6	9	12					
Time (military)	1041	1050	1055	1058	1103					
pH (su)	5.33	5.40	5.44	5.42	5.37					
Spec Conductivity (mS/cm)	0.059	0.081	0.082	0.082	0.081					
Water Temperature (°C)	23.4	21.8	21.6	21.6	21.7					
Turbidity (NTU)	170	28.5	4.5	0.0	0.0					
Dissolved Oxygen (mg/L)	2.51	5.825	6.08	5.90	5.89					

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/14/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	70

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0810		Last Verification (time)	

Monitoring Well Information

Well ID	07303 - MW-5R
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	50-60	ft
Total Well Depth (nearest 0.1')	59.7	ft
Depth to Groundwater (nearest 0.01')	33.39	ft
Length of Water Column	26.31	ft
1 Casing Volume (0.163)	4.29	ft
3 Casing Volumes (0.489)	12.87	gals
Total Volume Purged	6.25	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

59.7

Purge Technique Utilized (bailer, pump)

Well Yield — Low ☑ Medium ☐ High ☐

Volume (gal)	initial	4.5	6	6.25						
Time (military)	0930	0940	0943	1000						
pH (su)	5.66	5.30	5.98	6.53						
Spec Conductivity (mS/cm)	0.088	1.40	1.39	1.40						
Water Temperature (°C)	19.7	20.3	21.2	22.0						
Turbidity (NTU)	0.0	31.7	15.9	68.4						
Dissolved Oxygen (mg/L)	9.14	5.00	2.98	2.09						

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

purged dry @ 6 gal. recharge and sample

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/14/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	80

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0810		Last Verification (time)	1610

Monitoring Well Information

Well ID	07303 - MW-9
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	45-55	ft
Total Well Depth (nearest 0.1')	54.8	ft
Depth to Groundwater (nearest 0.01')	35.68	ft
Length of Water Column	19.12	ft
1 Casing Volume (0.163)	3.12	ft
3 Casing Volumes (0.489)	9.35	gals
Total Volume Purged	7.25	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

54.8

Purge Technique Utilized (bailer, pump)

Well Yield — Low ☑ Medium ☐ High ☐

Volume (gal)	initial	3.25	6.5	7	7.25					
Time (military)	1715	1725	1728	1730	1737					
pH (su)	6.38	6.34	6.37	6.38	6.28					
Spec Conductivity (mS/cm)	0.091	0.120	0.141	0.141	0.256					
Water Temperature (°C)	22.3	21.8	21.3	21.0	21.5					
Turbidity (NTU)	5.1	82.1	80.0	31.5	324					
Dissolved Oxygen (mg/L)	6.22	5.00	3.29	3.10	3.89					

Well Condition Information

-overall condition acceptable?
-well cap acceptable? replaced
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

purged dry @ 7gal recharge and sample

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/14/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	80

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)			Last Verification (time)		

Monitoring Well Information

Well ID	07303 - MW-10		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	42-52	ft	
Total Well Depth (nearest 0.1')	52.0	ft	
Depth to Groundwater (nearest 0.01')	40.91	ft	
Length of Water Column		ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			52.0
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)											
Time (military)		NS - Free Product (0.02')									
pH (su)											
Spec Conductivity (mS/cm)											
Water Temperature (°C)											
Turbidity (NTU)											
Dissolved Oxygen (mg/L)											

Well Condition Information

-overall condition acceptable?	
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

40.89 - 40.91 Free Product

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/13/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	70

Monitoring Well Information

Well ID	07303 - MW-11
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	40-50	ft
Total Well Depth (nearest 0.1')	50.0	ft
Depth to Groundwater (nearest 0.01')	40.30	ft
Length of Water Column	9.70	ft
1 Casing Volume (0.163)	1.58	ft
3 Casing Volumes (0.489)	4.74	gals
Total Volume Purged	5.25	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

50.0

Purge Technique Utilized (bailer, pump)

Well Yield — Low ☐ Medium ☐ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0815		Last Verification (time)	1215	

Volume (gal)	initial	1.75	3.5	5.25
Time (military)	1302	1307	1310	1315
pH (su)	6.64	5.90	5.91	5.83
Spec Conductivity (mS/cm)	0.064	0.081	0.079	0.079
Water Temperature (°C)	21.2	20.8	20.7	20.5
Turbidity (NTU)	4.6	0.0	0.0	0.0
Dissolved Oxygen (mg/L)	5.93	6.00	5.90	5.83

Well Condition Information

-overall condition acceptable?
-well cap acceptable? replaced
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9 / 13 /2022
Field Personnel	LJ AB
General Weather	Clear
Ambient Air Temperature	80

Monitoring Well Information

Well ID	07303 - MW-12
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	40-50	ft
Total Well Depth (nearest 0.1')	49.9	ft
Depth to Groundwater (nearest 0.01')	42.34	ft
Length of Water Column	7.56	ft
1 Casing Volume (0.163)	1.23	ft
3 Casing Volumes (0.489)	3.70	gals
Total Volume Purged	3.75	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

49.9

Purge Technique Utilized (bailer, pump)

Well Yield — Low ☐ Medium ☑ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0815		Last Verification (time)	1215	

Volume (gal)	initial	1.25	2.5	3.75						
Time (military)	1536	1540	1546	1550						
pH (su)	5.60	5.53	5.56	5.50						
Spec Conductivity (mS/cm)	0078	0.079	0.078	0.078						
Water Temperature (°C)	22.9	21.6	21.5	21.2						
Turbidity (NTU)	261	99.8	104	105						
Dissolved Oxygen (mg/L)	4.41	4.79	4.66	4.63						

Well Condition Information

-overall condition acceptable? vault ring partially loose
-well cap acceptable? replaced
-manhole and cover acceptable? full of water
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/13/2022
Field Personnel	LJ, AB
General Weather	Clear
Ambient Air Temperature	70

Monitoring Well Information

Well ID	07303 - MW-13
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	40-50	ft
Total Well Depth (nearest 0.1')	50.0	ft
Depth to Groundwater (nearest 0.01')	42.43	ft
Length of Water Column	7.57	ft
1 Casing Volume (0.163)	1.23	ft
3 Casing Volumes (0.489)	3.70	gals
Total Volume Purged	5	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

50.0

Purge Technique Utilized (bailer) / pump

Well Yield — Low ☐ Medium ☑ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0815		Last Verification (time)	1215	

Volume (gal)	initial	1.25	2.5	3.75	5					
Time (military)	1242	1246	1248	1251	1255					
pH (su)	7.02	6.68	6.52	6.54	6.47					
Spec Conductivity (mS/cm)	0.150	0.131	0.135	0.140	0.139					
Water Temperature (°C)	21.6	21.0	20.7	20.6	20.7					
Turbidity (NTU)	0.0	62.7	91.4	92.0	86.1					
Dissolved Oxygen (mg/L)	6.01	2.90	3.40	3.28	3.25					

Well Condition Information

-overall condition acceptable?
-well cap acceptable? replaced
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/13/2022
Field Personnel	LJ AB
General Weather	Clear
Ambient Air Temperature	65

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	[illegible] 0815		Last Verification (time)		

Monitoring Well Information

Well ID	07303 - MW-14		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	45-55	ft	
Total Well Depth (nearest 0.1')	55.0	ft	
Depth to Groundwater (nearest 0.01')	46.72	ft	
Length of Water Column	8.28	ft	
1 Casing Volume (0.163)	1.35	ft	
3 Casing Volumes (0.489)	4.05	gals	
Total Volume Purged	4.5	gals	
Purge Technique Utilized (bailer/pump)			55.0
Well Yield	Low ☐ Medium ☑ High ☐		

Volume (gal)	initial	1.5	3	4.5							
Time (military)	1120	1126	1129	1135							
pH (su)	5.25	5.31	5.28	5.33							
Spec Conductivity (mS/cm)	0.069	0.069	0.070	0.068							
Water Temperature (°C)	19.7	19.6	19.5	19.4							
Turbidity (NTU)	0.0	178	179	184							
Dissolved Oxygen (mg/L)	3.82	5.11	5.03	4.92							

Well Condition Information

-overall condition acceptable?
-well cap acceptable? replaced
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/14/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	80

Monitoring Well Information

Well ID	07303 - MW-15
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	40-50	ft
Total Well Depth (nearest 0.1')	50.1	ft
Depth to Groundwater (nearest 0.01')	43.93	ft
Length of Water Column	6.17	ft
1 Casing Volume (0.163)	1.00	ft
3 Casing Volumes (0.489)	3.01	gals
Total Volume Purged	5.25	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

50.1

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0810		Last Verification (time)	1210	

Purge Technique Utilized (bailer) / pump

Well Yield: Low ☑ Medium ☐ High ☐

Volume (gal)	initial	1.25	2.25	3.25	4.25	5.25				
Time (military)	1535	1540	1543	1546	1550	1555				
pH (su)	5.73	5.86	5.93	6.01	5.97	5.77				
Spec Conductivity (mS/cm)	0.165	0.214	0.252	0.260	0.262	0.260				
Water Temperature (°C)	21.6	20.8	20.6	20.8	20.6	20.7				
Turbidity (NTU)	00.0	232	258	260	351	173				
Dissolved Oxygen (mg/L)	3.54	3.40	5.49	4.57	4.36	2.04				

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/14 /2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	70

Quality Assurance

Meter	Horiba U-52-2	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or Serial Number	V3KNWUE9	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	
Last Calibration (time)	0810	Last Verification (time)		

Monitoring Well Information

Well ID	07303 - MW-16		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-55	ft	
Total Well Depth (nearest 0.1')	54.9	ft	
Depth to Groundwater (nearest 0.01')	37.44	ft	
Length of Water Column	17.46	ft	
1 Casing Volume (0.163)	2.85	ft	
3 Casing Volumes (0.489)	8.54	gals	
Total Volume Purged	15	gals	
Purge Technique Utilized (bailer, pump)			54.9
Well Yield	Low ☐ Medium ☐ High ☑		

Volume (gal)	initial	3	6	9	12	15				
Time (military)	1108	1115	1118	1122	1126	1129				
pH (su)	5.88	5.76	5.64	5.60	5.46	5.62				
Spec Conductivity (mS/cm)	0.060	0.079	0.100	0.107	0.116	0.108				
Water Temperature (°C)	22.6	21.7	21.1	20.8	20.9	21.1				
Turbidity (NTU)	0.0	28.5	0.0	0.0	0.0	0.0				
Dissolved Oxygen (mg/L)	5.05	5.03	3.59	3.35	2.20	4.27				

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? replaced
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments _____

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/14/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	75

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0810		Last Verification (time)	

Monitoring Well Information

Well ID	07303 - MW-17
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	40-55	ft
Total Well Depth (nearest 0.1')	56.0	ft
Depth to Groundwater (nearest 0.01')	37.35	ft
Length of Water Column	18.65	ft
1 Casing Volume (0.163)	3.04	ft
3 Casing Volumes (0.489)	9.12	gals
Total Volume Purged	9.5	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

56.0

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☑ High ☑

Volume (gal)	instal	3.25	6.5	9.5							
Time (military)	1201	1204	1207	1209							
pH (su)	5.70	5.65	5.58	5.64							
Spec Conductivity (mS/cm)	0.105	0.111	0.110	0.110							
Water Temperature (°C)	22.2	21.6	21.4	21.7							
Turbidity (NTU)	0.0	0.0	0.0	0.0							
Dissolved Oxygen (mg/L)	3.97	4.05	3.95	3.91							

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/14/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	70

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0810		Last Verification (time)		

Monitoring Well Information

Well ID	07303 - MW-18
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	35-50	ft
Total Well Depth (nearest 0.1')	49.9	ft
Depth to Groundwater (nearest 0.01')	36.31	ft
Length of Water Column	13.59	ft
1 Casing Volume (0.163)	2.22	ft
3 Casing Volumes (0.489)	6.65	gals
Total Volume Purged	6.75	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

49.9

Purge Technique Utilized (bailer, (pump))

Well Yield Low ☐ Medium ☐ High ☑

Volume (gal)	initial	2.25	4.5	6.75							
Time (military)	1133	1140	1144	1151							
pH (su)	5.17	5.40	5.42	5.49							
Spec Conductivity (mS/cm)	0.219	0.223	0.227	0.229							
Water Temperature (°C)	21.3	22.0	21.5	21.3							
Turbidity (NTU)	0.0	12.2	12.5	12.0							
Dissolved Oxygen (mg/L)	2.56	3.18	3.00	3.04							

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/14/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	80

Monitoring Well Information

Well ID	07303 - MW-19
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	38-53	ft
Total Well Depth (nearest 0.1')	53.2	ft
Depth to Groundwater (nearest 0.01')	37.64	ft
Length of Water Column	15.56	ft
1 Casing Volume (0.163)	2.54	ft
3 Casing Volumes (0.489)	7.61	gals
Total Volume Purged	9	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

53.2

Purge Technique Utilized (bailer, pump)

Well Yield — Low ☐ Medium ☑ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0810		Last Verification (time)	1610	

Volume (gal)	initial	3	6	9
Time (military)	~~1631~~	1637	1642	1650
pH (su)	5.84	5.51	5.63	5.56
Spec Conductivity (mS/cm)	0.076	0.287	0.272	0.279
Water Temperature (°C)	22.9	22.0	22.5	21.8
Turbidity (NTU)	937	94.0	90.8	92.0
Dissolved Oxygen (mg/L)	2.69	2.27	2.24	2.20

Well Condition Information

-overall condition acceptable?
-well cap acceptable? replaced
-manhole and cover acceptable? full of water
-well pad acceptable?
-area safe?
-other comments

Additional Comments

light petrol sheen

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/14/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	80

Monitoring Well Information

Well ID	07303 - MW-20
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	35-50	ft
Total Well Depth (nearest 0.1')	49.9	ft
Depth to Groundwater (nearest 0.01')	34.91	ft
Length of Water Column	9.99	ft
1 Casing Volume (0.163)	1.63	ft
3 Casing Volumes (0.489)	4.89	gals
Total Volume Purged	5.25	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

49.9

Purge Technique Utilized (bailer) pump)

Well Yield Low ☐ Medium ☑ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0810		Last Verification (time)	1610	

Volume (gal)	Initial	1.75	3.5	5.25						
Time (military)	1747	1750	1753	1801						
pH (su)	6.07	5.94	5.98	6.01						
Spec Conductivity (mS/cm)	0.309	0.319	0.315	0.310						
Water Temperature (°C)	21.4	21.1	20.9	21.3						
Turbidity (NTU)	10.0	71.1	68.5	67.5						
Dissolved Oxygen (mg/L)	5.14	4.50	4.33	4.34						

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/13/2022
Field Personnel	LJ AB
General Weather	Clear
Ambient Air Temperature	65

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0815		Last Verification (time)		

Monitoring Well Information

Well ID	07303 - MW-21
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	40-55	ft
Total Well Depth (nearest 0.1')	55.0	ft
Depth to Groundwater (nearest 0.01')	48.22	ft
Length of Water Column	6.78	ft
1 Casing Volume (0.163)	1.11	ft
3 Casing Volumes (0.489)	3.32	gals
Total Volume Purged	3.75	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

55.0

Purge Technique Utilized (bailer / pump)

Well Yield Low ☐ Medium ☑ High ☐

Volume (gal)	initial	1.25	2.5	3.75							
Time (military)	1054	1056	1059	1104							
pH (su)	5.74	5.38	5.40	5.33							
Spec Conductivity (mS/cm)	0.050	0.043	0.045	0.045							
Water Temperature (°C)	19.9	19.6	19.4	19.4							
Turbidity (NTU)	138	860	874	879							
Dissolved Oxygen (mg/L)	5.55	6.00	6.04	6.17							

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/12/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	80

Monitoring Well Information

Well ID	07303 - MW-22
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	40-55	ft
Total Well Depth (nearest 0.1')	55.0	ft
Depth to Groundwater (nearest 0.01')	46.56	ft
Length of Water Column	8.44	ft
1 Casing Volume (0.163)	1.38	ft
3 Casing Volumes (0.489)	4.13	gals
Total Volume Purged	7.5	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

55.0

Quality Assurance

Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	1345		Last Verification (time)		

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☑ High ☐

	Initial	1.5	3	4.5	6	7.5				
Volume (gal)										
Time (military)	1638	1641	1645	1650	1654	1659				
pH (su)	10.74	9.27	7.85	6.82	6.00	5.84				
Spec Conductivity (mS/cm)	0.239	0.113	0.105	0.099	0.110	0096				
Water Temperature (°C)	21.3	20.2	20.0	20.0	20.5	20.5				
Turbidity (NTU)	0.0	485	733	557	462	437				
Dissolved Oxygen (mg/L)	11.74	6.84	6.90	6.48	6.34	5.80				

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/12/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	80

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	1345		Last Verification (time)	1745

Monitoring Well Information

Well ID	07303 - MW-23
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	40-55	ft
Total Well Depth (nearest 0.1')	55.0	ft
Depth to Groundwater (nearest 0.01')	47.36	ft
Length of Water Column	7.64	ft
1 Casing Volume (0.163)	1.25	ft
3 Casing Volumes (0.489)	3.74	gals
Total Volume Purged	6.25	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

55.0

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☑ High ☐

Volume (gal)	initial	1.25	2.5	3.75	5	6.25				
Time (military)	1800	1804	1807	1809	1811	1816				
pH (su)	5.61	5.85	5.90	6.03	6.11	6.09				
Spec Conductivity (mS/cm)	0.124	0.171	0.231	0.252	0.298	0.312				
Water Temperature (°C)	20.3	19.8	19.4	19.6	20.4	19.7				
Turbidity (NTU)	3.1	95.5	33.8	32.8	20.2	50.3				
Dissolved Oxygen (mg/L)	8.15	7.25	5.90	5.59	4.12	5.32				

Well Condition Information

-overall condition acceptable?
-well cap acceptable? full of water
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9 /13 /2022
Field Personnel	LJ AB
General Weather	Clear
Ambient Air Temperature	60

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0815		Last Verification (time)	

Monitoring Well Information

Well ID	07303 - MW-24	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	40-55	ft
Total Well Depth (nearest 0.1')	54.9	ft
Depth to Groundwater (nearest 0.01')	47.16	ft
Length of Water Column	7.74	ft
1 Casing Volume (0.163)	1.26	ft
3 Casing Volumes (0.489)	3.78	gals
Total Volume Purged	4.5	gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☑ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

54.9

Volume (gal)	initial	1.5	3	4.5						
Time (military)	1031	1035	1038	1042						
pH (su)	~~6.00~~	6.07	6.09	6.11						
Spec Conductivity (mS/cm)	0.070	0.167	0.166	0.171						
Water Temperature (°C)	18.6	18.6	18.6	18.7						
Turbidity (NTU)	0.0	130	118	120						
Dissolved Oxygen (mg/L)	7.68	7.78	7.80	7.81						

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/13/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	60

Quality Assurance

Meter	Horiba U-52-2	or	Meter	Horiba U-52-2
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0815		Last Verification (time)	

Monitoring Well Information

Well ID	07303 - MW-25
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	39-54	ft
Total Well Depth (nearest 0.1')	53.5	ft
Depth to Groundwater (nearest 0.01')	44.67	ft
Length of Water Column	8.83	ft
1 Casing Volume (0.163)	1.44	ft
3 Casing Volumes (0.489)	4.32	gals
Total Volume Purged	7.5	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

535

Purge Technique Utilized (bailer, pump)

Well Yield — Low ☐ Medium ☑ High ☐

Volume (gal)	Initial	1.5	3	4.5	6	7.5				
Time (military)	1011	1014	1018	1021	1025	1028				
pH (su)	6.58	6.09	6.18	6.21	6.24	6.00				
Spec Conductivity (mS/cm)	0.060	0.071	0.117	0.197	0.217	0.219				
Water Temperature (°C)	18.7	18.5	18.6	18.7	18.6	18.7				
Turbidity (NTU)	0.0	16.2	61.5	99.2	16.0	25.0				
Dissolved Oxygen (mg/L)	6.36	5.16	3.06	6.14	5.30	7.41				

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

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Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9 /14 /2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	70

Monitoring Well Information

Well ID	07303 - MW-26
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter		in
Screened Interval		ft
Total Well Depth (nearest 0.1')		ft
Depth to Groundwater (nearest 0.01')		ft
Length of Water Column		ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)			Last Verification (time)	

Volume (gal)										
Time (military)										
pH (su)		NS	presumed							
Spec Conductivity (mS/cm)			- destroyed							
Water Temperature (°C)										
Turbidity (NTU)										
Dissolved Oxygen (mg/L)										

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

house on property torn down - overgrown pile of debris
- pad and ~~[illegible]~~ complete / well vault overturned at front of property
- searched extensively for signs of well casing, using soil probe survey info, metal detector - CNF

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/14/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	80

Monitoring Well Information

Well ID	07303 - MW-27
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	40-55	ft
Total Well Depth (nearest 0.1')	54.4	ft
Depth to Groundwater (nearest 0.01')	45.06	ft
Length of Water Column	9.34	ft
1 Casing Volume (0.163)	1.52	ft
3 Casing Volumes (0.489)	4.57	gals
Total Volume Purged	2.75	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

54.4

Purge Technique Utilized (bailer, pump)

Well Yield — Low ☑ Medium ☐ High ☐

Quality Assurance

Meter	Horiba U-52-2	or	Meter	Horiba U-52-2
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0810		Last Verification (time)	1610

Volume (gal)	initial	1.75	2.5	2.75						
Time (military)	1601	1609	1612	1620						
pH (su)	5.81	5.82	5.90	5.88						
Spec Conductivity (mS/cm)	0.183	0.219	0.238	0.237						
Water Temperature (°C)	20.4	20.0	19.7	19.6						
Turbidity (NTU)	7.3	208	695	300						
Dissolved Oxygen (mg/L)	2.50	3.15	4.00	3.10						

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments _____

Additional Comments

purged dry @ 2.5 gal recharge and sample
dup 1622

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/12/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	80

Monitoring Well Information

Well ID	07303 - MW-28
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	40-55	ft
Total Well Depth (nearest 0.1')	55.0	ft
Depth to Groundwater (nearest 0.01')	47.44	ft
Length of Water Column	7.56	ft
1 Casing Volume (0.163)	1.23	ft
3 Casing Volumes (0.489)	3.70	gals
Total Volume Purged	3.75	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

55.0

Purge Technique Utilized (bailer, pump)

Well Yield — Low ☐ Medium ☑ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	1345		Last Verification (time)	1745

Volume (gal)	initial	1.25	2.5	3.75
Time (military)	1747	1749	1752	1755
pH (su)	5.42	5.54	5.62	5.56
Spec Conductivity (mS/cm)	0.081	0.086	0.087	0.088
Water Temperature (°C)	19.9	20.2	20.0	20.4
Turbidity (NTU)	46.1	278	290	284
Dissolved Oxygen (mg/L)	5.47	5.22	5.13	5.05

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/14/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	80

Monitoring Well Information

Well ID	07303 - MW-29
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	40-55	ft
Total Well Depth (nearest 0.1')	55.4	ft
Depth to Groundwater (nearest 0.01')	45.14	ft
Length of Water Column	10.26	ft
1 Casing Volume (0.163)	1.67	ft
3 Casing Volumes (0.489)	5.02	gals
Total Volume Purged	5.25	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

554

Purge Technique Utilized (bailer, pump)

Well Yield — Low ☐ Medium ☑ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0810		Last Verification (time)	1210	

Volume (gal)	initial	1.75	3.5	5.25							
Time (military)	1458	1508	1515	1524							
pH (su)	5.98	6.07	6.01	5.98							
Spec Conductivity (mS/cm)	0.107	0.160	0.158	0.161							
Water Temperature (°C)	23.5	21.4	20.8	20.6							
Turbidity (NTU)	0.0	152	164	166							
Dissolved Oxygen (mg/L)	1.96	3.79	3.20	3.76							

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable? full of water
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/14/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	70

Monitoring Well Information

Well ID	07303 - MW-30
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	45-60	ft
Total Well Depth (nearest 0.1')	60.5	ft
Depth to Groundwater (nearest 0.01')	37.55	ft
Length of Water Column	22.95	ft
1 Casing Volume (0.163)	3.74	ft
3 Casing Volumes (0.489)	11.22	gals
Total Volume Purged	9.25	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

60.5

Purge Technique Utilized (bailer, pump)

Well Yield (Low) ☒ Medium ☒ High ☐

Quality Assurance

Meter	Horiba U-52-2	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or Serial Number	V3KNWUE9	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	
Last Calibration (time)	0810	Last Verification (time)		

Volume (gal)	initial	4.0	8.0	9.0	9.25					
Time (military)	0950	1015	1023	1026	1035					
pH (su)	7.06	5.78	5.54	5.65	5.66					
Spec Conductivity (mS/cm)	0.213	0.101	0.100	0.120	0.122					
Water Temperature (°C)	24.5	22.3	21.9	22.5	22.7					
Turbidity (NTU)	0.0	73.0	64.5	801	670					
Dissolved Oxygen (mg/L)	4.76	4.10	4.67	2.57	2.25					

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Well purged dry @ ~9 gal. Recharge then Sampled

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/14/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	60

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0810		Last Verification (time)	

Monitoring Well Information

Well ID	07303 - MW-31		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	26.41	ft	
Total Well Depth (nearest 0.1')	40.3	ft	
Depth to Groundwater (nearest 0.01')	32.92	ft	
Length of Water Column	7.38	ft	
1 Casing Volume (0.163)	1.20	ft	
3 Casing Volumes (0.489)	3.61	gals	
Total Volume Purged	5	gals	
Purge Technique Utilized (bailer, pump)			40.3
Well Yield	Low ☐ Medium ☑ High ☐		

Volume (gal)	initial	1.25	2.5	3.75	5					
Time (military)	0825	0828	0832	0836	0840					
pH (su)	4.97	5.15	5.32	5.36	5.36					
Spec Conductivity (mS/cm)	0.120	0.072	0.080	0.082	0.084					
Water Temperature (°C)	18.3	18.5	18.4	18.5	18.5					
Turbidity (NTU)	0.5	400	167	164	155					
Dissolved Oxygen (mg/L)	3.57	4.03	2.82	2.78	2.76					

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments _____

Additional Comments

FB-3@0805

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/14/2022
Field Personnel	LJ AB
General Weather	Clear
Ambient Air Temperature	60

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0810		Last Verification (time)		

Monitoring Well Information

Well ID	07303 - MW-32		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	30-45	ft	
Total Well Depth (nearest 0.1')	44.4	ft	
Depth to Groundwater (nearest 0.01')	33.51	ft	
Length of Water Column	10.89	ft	
1 Casing Volume (0.163)	1.78	ft	
3 Casing Volumes (0.489)	5.33	gals	
Total Volume Purged	6	gals	
Purge Technique Utilized (bailer, pump)			44.4
Well Yield	Low ☐ Medium ☑ High ☐		

Volume (gal)	initial	2	4	6						
Time (military)	0829	0834	0837	0841						
pH (su)	5.28	5.18	5.20	5.21						
Spec Conductivity (mS/cm)	0.067	0.067	0.070	0.070						
Water Temperature (°C)	18.5	18.7	18.6	18.6						
Turbidity (NTU)	0.0	34.6	36.0	36.1						
Dissolved Oxygen (mg/L)	7.20	6.16	6.33	6.34						

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/14/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	60

Quality Assurance

Meter	Horiba U-52-2	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or Serial Number	V3KNWUE9	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	
Last Calibration (time)	0810	Last Verification (time)		

Monitoring Well Information

Well ID	07303 - MW-33	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	29.44	ft
Total Well Depth (nearest 0.1')	43.7	ft
Depth to Groundwater (nearest 0.01')	35.22	ft
Length of Water Column	8.48	ft
1 Casing Volume (0.163)	1.38	ft
3 Casing Volumes (0.489)	4.15	gals
Total Volume Purged	4.5	gals
Purge Technique Utilized (bailer, pump)	(bailer) pump	
Well Yield	Low ☐ Medium ☑ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

43.7

	Initial			
Volume (gal)		1.5	3	4.5
Time (military)	0841	0848	0852	0857
pH (su)	5.27	5.14	5.23	5.17
Spec Conductivity (mS/cm)	0.101	0.101	0.100	0.099
Water Temperature (°C)	18.6	18.8	18.8	19.0
Turbidity (NTU)	0.0	758	739	730
Dissolved Oxygen (mg/L)	5.92	7.91	7.80	7.82

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/13/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	85

Monitoring Well Information

Well ID	07303 - MW-34
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	30-45	ft
Total Well Depth (nearest 0.1')	45.1	ft
Depth to Groundwater (nearest 0.01')	38.12	ft
Length of Water Column	6.98	ft
1 Casing Volume (0.163)	1.14	ft
3 Casing Volumes (0.489)	3.41	gals
Total Volume Purged	5	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

45.1

Purge Technique Utilized (bailer, pump)

Well Yield — Low ☐ Medium ☑ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0815		Last Verification (time)	1615	

Volume (gal)	initial	1.25	2.25	3.25	5					
Time (military)	1818	1820	1826	1830	1836					
pH (su)	5.41	5.50	5.25	5.31	5.26					
Spec Conductivity (mS/cm)	0.069	0.079	0.068	0.070	0.071					
Water Temperature (°C)	23.2	21.4	20.5	20.3	20.7					
Turbidity (NTU)	10.1	29.4	6.34	6.42	6.44					
Dissolved Oxygen (mg/L)	7.47	10.14	8.80	8.77	8.83					

Well Condition Information

-overall condition acceptable?	
-well cap acceptable?	replaced
-manhole and cover acceptable?	ring loose
-well pad acceptable?	✓
-area safe?	
-other comments	

Additional Comments

0

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/13/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	85

Monitoring Well Information

Well ID	07303 - MW-35
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	31-46	ft
Total Well Depth (nearest 0.1')	45.3	ft
Depth to Groundwater (nearest 0.01')	39.05	ft
Length of Water Column	6.25	ft
1 Casing Volume (0.163)	1.02	ft
3 Casing Volumes (0.489)	3.06	gals
Total Volume Purged	3.25	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

45.3

Purge Technique Utilized (bailer, pump)

Well Yield — Low ☐ Medium ☑ High ☐

Quality Assurance

Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0815		Last Verification (time)	1615	

Volume (gal)	initial	1.25	2.25	3.25
Time (military)	1840	1844	1848	1853
pH (su)	5.19	5.16	5.09	5.09
Spec Conductivity (mS/cm)	0.030	0.033	0.034	0.034
Water Temperature (°C)	22.8	21.0	20.6	21.0
Turbidity (NTU)	0.8	730	758	752
Dissolved Oxygen (mg/L)	7.72	10.49	10.40	10.32

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable? full of water and sediment
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/13/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	85

Monitoring Well Information

Well ID	07303 - MW-36
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	31-46	ft
Total Well Depth (nearest 0.1')	46.3	ft
Depth to Groundwater (nearest 0.01')	39.23	ft
Length of Water Column	7.07	ft
1 Casing Volume (0.163)	1.15	ft
3 Casing Volumes (0.489)	3.46	gals
Total Volume Purged	5	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

46.3

Purge Technique Utilized (bailer, pump)

Well Yield — Low ☐ Medium ☑ High ☐

Quality Assurance

Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0815		Last Verification (time)	1615	

Volume (gal)	initial	1.25	2.5	3.75	5					
Time (military)	1756	1800	1803	1806	1810					
pH (su)	5.50	5.25	5.06	5.05	5.04					
Spec Conductivity (mS/cm)	0.057	0.057	0.057	0.056	0.056					
Water Temperature (°C)	20.0	19.4	19.2	19.2	19.2					
Turbidity (NTU)	421	521	618	614	589					
Dissolved Oxygen (mg/L)	8.88	10.05	9.47	9.38	9.29					

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments _____

Additional Comments

area paved w/ new asphalt

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/13/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	85

Monitoring Well Information

Well ID	07303 - MW-37
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	29-44	ft
Total Well Depth (nearest 0.1')	43.8	ft
Depth to Groundwater (nearest 0.01')	34.74	ft
Length of Water Column	9.06	ft
1 Casing Volume (0.163)	1.48	ft
3 Casing Volumes (0.489)	4.43	gals
Total Volume Purged	7.5	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

43.8

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☑

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0815		Last Verification (time)	1615	

Volume (gal)	initial	1.5	3	4.5	6	7.5				
Time (military)	1706	1709	1711	1714	1717	1720				
pH (su)	8.47	8.36	8.01	7.90	7.77	7.35				
Spec Conductivity (mS/cm)	0.102	0.083	0.088	0.081	0.080	0.084				
Water Temperature (°C)	20.2	19.9	19.9	19.7	19.6	19.7				
Turbidity (NTU)	42.0	740	500	375	140	84.5				
Dissolved Oxygen (mg/L)	7.20	8.35	8.00	8.20	8.15	8.09				

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/13 /2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	85

Monitoring Well Information

Well ID	07303 - MW-38
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	32-47	ft
Total Well Depth (nearest 0.1')	47.3	ft
Depth to Groundwater (nearest 0.01')	33.47	ft
Length of Water Column	13.83	ft
1 Casing Volume (0.163)	2.25	ft
3 Casing Volumes (0.489)	6.76	gals
Total Volume Purged	11.25	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump) — 47.3

Well Yield: Low ☐ Medium ☑ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0815		Last Verification (time)	1615

Volume (gal)	initial	2.25	45	6.75	9	11.25				
Time (military)	1725	1730	1735	1738	1741	1745				
pH (su)	6.49	6.21	5.74	5.53	5.57	5.40				
Spec Conductivity (mS/cm)	0.071	0.064	0.065	0.065	0.062	0.060				
Water Temperature (°C)	20.1	20.1	19.9	19.9	19.8	19.7				
Turbidity (NTU)	0.0	25.1	0.0	0.0	0.0	0.0				
Dissolved Oxygen (mg/L)	7.39	7.21	6.91	9.13	8.50	8.60				

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9 /13 /2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	60

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0815		Last Verification (time)	

Monitoring Well Information

Well ID	07303 - MW-39
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	42-52	ft
Total Well Depth (nearest 0.1')	55.2	ft
Depth to Groundwater (nearest 0.01')	46.34	ft
Length of Water Column	8.86	ft
1 Casing Volume (0.163)	1.44	ft
3 Casing Volumes (0.489)	4.33	gals
Total Volume Purged	2.25	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

55.2

Purge Technique Utilized (bailer) pump)

Well Yield Low ☑ Medium ☐ High ☐

Volume (gal)	initial	1.5	2.0	2.25						
Time (military)	0945	0952	0954	1005						
pH (su)	7.15	6.87	6.90	6.29						
Spec Conductivity (mS/cm)	0.074	0.074	0.073	0.071						
Water Temperature (°C)	19.3	19.0	18.8	18.7						
Turbidity (NTU)	4.5	917	758	140						
Dissolved Oxygen (mg/L)	6.27	7.41	7.60	8.10						

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments _____

Additional Comments

stickup well
purged dry @ 2gal. recharge and sample

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/13/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	80

Monitoring Well Information

Well ID	07303 - MW-40
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	6-16	ft
Total Well Depth (nearest 0.1')	16.1	ft
Depth to Groundwater (nearest 0.01')	13.68	ft
Length of Water Column	2.42	ft
1 Casing Volume (0.163)	0.39	ft
3 Casing Volumes (0.489)	1.18	gals
Total Volume Purged	1.5	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

16.1

Purge Technique Utilized (bailer/pump)

Well Yield — Low ☑ Medium ☐ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0815		Last Verification (time)	1215	

Volume (gal)	initial	0.5	1	1.5						
Time (military)	1440	1443	1447	1450						
pH (su)	6.02	5.66	5.66	5.58						
Spec Conductivity (mS/cm)	0.031	0.029	0.030	0.031						
Water Temperature (°C)	24.5	23.1	22.8	22.3						
Turbidity (NTU)	5.0	778	810	815						
Dissolved Oxygen (mg/L)	8.02	5.08	5.05	5.00						

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable? full of water
-well pad acceptable?
-area safe?
-other comments

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9 / 13 /2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	60

Monitoring Well Information

Well ID	07303 - MW-41
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	42-52	ft
Total Well Depth (nearest 0.1')	52.1	ft
Depth to Groundwater (nearest 0.01')	35.34	ft
Length of Water Column	16.72	ft
1 Casing Volume (0.163)	2.73	ft
3 Casing Volumes (0.489)	8.18	gals
Total Volume Purged	13.75	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

52.1

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0815		Last Verification (time)		

Purge Technique Utilized (bailer, pump)

Well Yield: Low ☐ Medium ☑ High ☐

Volume (gal)	initial	2.75	5.5	8.25	11	13.75					
Time (military)	0847	0902	0920	0923	0928	0933					
pH (su)	12.08	9.21	8.05	7.51	7.45	7.16					
Spec Conductivity (mS/cm)	0.172	0.160	0.140	0.137	0.122	0.119					
Water Temperature (°C)	17.6	18.0	18.2	18.6	19.0	19.2					
Turbidity (NTU)	40.0	159	99.2	86.0	5.9	2.6					
Dissolved Oxygen (mg/L)	8.99	3.83	3.81	3.77	4.48	5.29					

Well Condition Information

-overall condition acceptable?
-well cap acceptable? replaced
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

well in mowed area near briar thicket

Groundwater Sampling Log

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1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/13/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	80

Monitoring Well Information

Well ID	07303 - MW-42
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	2-9	ft
Total Well Depth (nearest 0.1')	11.9	ft
Depth to Groundwater (nearest 0.01')	8.51	ft
Length of Water Column	3.39	ft
1 Casing Volume (0.163)	0.55	ft
3 Casing Volumes (0.489)	1.66	gals
Total Volume Purged	1.25	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

11.9

Purge Technique Utilized (bailer/pump)

Well Yield Low ☑ Medium ☐ High ☐

Quality Assurance

Meter	Horiba U-52-2	or	Meter	Horiba U-52-2
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0815		Last Verification (time)	1215

Volume (gal)	Initial	0.75	1.0	1.25
Time (military)	1500	1504	1507	1520
pH (su)	5.67	5.74	5.50	5.51
Spec Conductivity (mS/cm)	0.079	0.084	0.078	0.078
Water Temperature (°C)	23.2	22.2	22.7	22.1
Turbidity (NTU)	53.7	179	688	619
Dissolved Oxygen (mg/L)	4.13	3.00	2.40	2.46

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

purged dry @ 1 gal - recharge and sample

Groundwater Sampling Log

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Summerville, SC 29484
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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/12/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	80

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	1345		Last Verification (time)		

Monitoring Well Information

Well ID	07303 - MW-43		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	40-50	ft	
Total Well Depth (nearest 0.1')	50.1	ft	
Depth to Groundwater (nearest 0.01')	43.15	ft	
Length of Water Column	6.95	ft	
1 Casing Volume (0.163)	1.13	ft	
3 Casing Volumes (0.489)	3.40	gals	
Total Volume Purged	5	gals	
Purge Technique Utilized (bailer) pump			50.1
Well Yield	Low ☐ Medium ☑ High ☐		

Volume (gal)	initial	1.25	2.5	3.75	5					
Time (military)	1715	1719	1725	1728	1735					
pH (su)	5.93	5.68	5.61	5.65	5.58					
Spec Conductivity (mS/cm)	0.074	0.073	0.085	0.085	0.087					
Water Temperature (°C)	22.1	20.6	20.4	20.0	20.1					
Turbidity (NTU)	51.6	137	480	497	518					
Dissolved Oxygen (mg/L)	9.24	9.41	9.88	9.97	9.95					

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

in straight line w/ end of short chain link fence and near corner of overhead power line steel support

- well just on overgrown side of brush
- cleared area around well but expect rapid growth

Groundwater Sampling Log

TERRY Environmental Services
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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/12/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	70

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)			Last Verification (time)		

Monitoring Well Information

Well ID	07303 - MW-44	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter		in
Screened Interval		ft
Total Well Depth (nearest 0.1')		ft
Depth to Groundwater (nearest 0.01')		ft
Length of Water Column		ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Volume (gal)										
Time (military)										
pH (su)		NS - CNF								
Spec Conductivity (mS/cm)										
Water Temperature (°C)										
Turbidity (NTU)										
Dissolved Oxygen (mg/L)										

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

CNF flush mount well in woods
- rough survey measurements from MW-45
Perspective: facing MW-45 toward stream
49' left 72' towards road/station
- both 90° from MW-45
- searched 1hr, CNF

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9 /12 /2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	80

Monitoring Well Information

Well ID	07303 - MW-45
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	42-52	ft
Total Well Depth (nearest 0.1')	52.0	ft
Depth to Groundwater (nearest 0.01')	46.11	ft
Length of Water Column	5.89	ft
1 Casing Volume (0.163)	0.96	ft
3 Casing Volumes (0.489)	2.88	gals
Total Volume Purged	3	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump) — 52.0

Well Yield: Low ☐ Medium ☑ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	1345		Last Verification (time)	

Volume (gal)	initial	1	2	3
Time (military)	1612	1616	1618	1622
pH (su)	5.54	5.56	551	5.60
Spec Conductivity (mS/cm)	0.055	0.058	0.059	0.062
Water Temperature (°C)	19.1	18.6	18.0	18.1
Turbidity (NTU)	24.0	529	538	530
Dissolved Oxygen (mg/L)	10.04	8.58	8.60	8.70

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

flush mount - well @ edge of rough path in woods - marked w/ survey tape on trees - pad marked w/ four rocks on corners

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/12/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	80

Monitoring Well Information

Well ID	07303 - MW-46
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	40-50	ft
Total Well Depth (nearest 0.1')	50.7	ft
Depth to Groundwater (nearest 0.01')	44.72	ft
Length of Water Column	5.98	ft
1 Casing Volume (0.163)	0.97	ft
3 Casing Volumes (0.489)	2.92	gals
Total Volume Purged	5	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

50.7

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☑ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	1345		Last Verification (time)		

	Initial	1	2	3	4	5				
Volume (gal)										
Time (military)	1355	1400	1405	1408	1412	1419				
pH (su)	5.48	5.01	4.82	4.63	5.02	4.83				
Spec Conductivity (mS/cm)	0.142	0.043	0.034	0.032	0.032	0.032				
Water Temperature (°C)	20.4	19.6	19.0	18.5	19.2	19.0				
Turbidity (NTU)	11.5	685	592	641	756	718				
Dissolved Oxygen (mg/L)	9.87	9.80	9.73	9.72	10.00	9.85				

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

FB-1 @ 1340
flush mount well inside tree line - marked w/ survey tape - near path entrance to woods, along edge of path

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/12/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	80

Monitoring Well Information

Well ID	07303 - MW-47
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	32-42	ft
Total Well Depth (nearest 0.1')	42.4	ft
Depth to Groundwater (nearest 0.01')	36.89	ft
Length of Water Column	5.51	ft
1 Casing Volume (0.163)	0.90	ft
3 Casing Volumes (0.489)	2.69	gals
Total Volume Purged	1.75	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

42.4

Purge Technique Utilized (bailer, pump)

Well Yield — Low ☑ (bailer) Medium ☐ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	1415		Last Verification (time)		

	initial	1	1.5	1.75
Volume (gal)	1432	1438	1441	1452
Time (military)	5.06	4.74	4.91	4.92
pH (su)	0.026	0.025	0.024	0.024
Spec Conductivity (mS/cm)	19.3	18.5	19.3	18.7
Water Temperature (°C)	183	755	813	800
Turbidity (NTU)	9.50	8.53	9.80	9.36
Dissolved Oxygen (mg/L)				

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

purged dry @ 1.5 gal. recharge and sample
flush mount, well in woods - marked w/ survey tape
slightly downhill beyond MW-46

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

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Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9 / 12 /2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	80

Monitoring Well Information

Well ID	07303 - MW-48
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	3-8	ft
Total Well Depth (nearest 0.1')	7.9	ft
Depth to Groundwater (nearest 0.01')	4.18	ft
Length of Water Column	3.72	ft
1 Casing Volume (0.163)	0.61	ft
3 Casing Volumes (0.489)	1.82	gals
Total Volume Purged	2.25	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☑ High ☐

7.9

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	1345		Last Verification (time)	

Volume (gal)	initial	0.75	1.5	2.25
Time (military)	1552	1556	1558	1600
pH (su)	5.18	5.04	5.08	5.10
Spec Conductivity (mS/cm)	0.033	0.039	0.035	0.035
Water Temperature (°C)	21.6	20.3	20.4	20.0
Turbidity (NTU)	79.8	830	815	823
Dissolved Oxygen (mg/L)	11.70	7.60	7.57	7.50

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

well ~15' from stream, edge on flat ground
- heavy erosion undercut of bank / nearby
marked w/ survey tape on small tree
- directly downhill of 47

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/14/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	80

Quality Assurance

Meter	Horiba U-52-2		*Meter*	Horiba U-52-2	
Serial Number	VPTPGA3X	*or*	*Serial Number*	V3KNWUE9	
Calibration Constant	4.00 su		*Calibration Constant*	4.00 su	
Calibration Constant	4.49 mS/cm		*Calibration Constant*	4.49 mS/cm	
Calibration Constant	0.0 NTU		*Calibration Constant*	0.0 NTU	
Last Calibration (time)			*Last Verification (time)*		

Monitoring Well Information

Well ID	07303 - RW-1		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	4	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	30.1-50.1	ft	
Total Well Depth (nearest 0.1')	50.1	ft	
Depth to Groundwater (nearest 0.01')	43.03	ft	
Length of Water Column		ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	
Purge Technique Utilized (bailer, pump)			50.1
Well Yield	Low ☐ Medium ☐ High ☐		

Volume (gal)		NS- Free Product (1.30')								
Time (military)										
pH (su)										
Spec Conductivity (mS/cm)										
Water Temperature (°C)										
Turbidity (NTU)										
Dissolved Oxygen (mg/L)										

Well Condition Information

-overall condition acceptable?	
-well cap acceptable?	
-manhole and cover acceptable?	
-well pad acceptable?	
-area safe?	
-other comments	

Additional Comments

41.73 - 43.03 Free product golden color

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/14/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	80

Quality Assurance

Meter	Horiba U-52-2	or	Meter	Horiba U-52-2
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0810		Last Verification (time)	1610

Monitoring Well Information

Well ID	07303 - RW-2
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	4	in
Screened Interval	30.1 - 50.1	ft
Total Well Depth (nearest 0.1')	49.9	ft
Depth to Groundwater (nearest 0.01')	40.25	ft
Length of Water Column	9.65	ft
6.30 1 Casing Volume (0.163)	[illegible]	ft
18.90 3 Casing Volumes (0.489)	[illegible]	gals
Total Volume Purged	10.25	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

49.9

Purge Technique Utilized (bailer, pump)

Well Yield — Low ☑ Medium ☐ High ☐

Volume (gal)	initial	7	10	10.25						
Time (military)	1755	1804	1806	1815						
pH (su)	6.04	5.85	5.94	5.92						
Spec Conductivity (mS/cm)	0.330	0.355	0.329	0.328						
Water Temperature (°C)	21.6	21.5	21.5	21.5						
Turbidity (NTU)	0.0	325	86.8	40.7						
Dissolved Oxygen (mg/L)	7.39	4.47	4.50	4.14						

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments _____

Additional Comments

purged dry @ 10 gal. recharge and sample
moderate petrol sheen
dup 1817

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9 /14 /2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	80

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0810		Last Verification (time)	1610

Monitoring Well Information

Well ID	07303 - RW-3
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	4	in
Screened Interval	30.2-50.2	ft
Total Well Depth (nearest 0.1')	50.3	ft
Depth to Groundwater (nearest 0.01')	39.56	ft
Length of Water Column	10.74	ft
1 Casing Volume (0.163)	7.01	ft
3 Casing Volumes (0.489)	21.04	gals
Total Volume Purged	9.25	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

50.3

Purge Technique Utilized (bailer, pump)

Well Yield — Low ☑ Medium ☐ High ☐

Volume (gal)	initial	7.25	9	9.25							
Time (military)	1820	1829	1832	1840							
pH (su)	5.80	5.70	5.93	5.86							
Spec Conductivity (mS/cm)	0.320	0.273	0.419	0.420							
Water Temperature (°C)	21.6	21.7	21.8	21.5							
Turbidity (NTU)	2.0	517	708	219							
Dissolved Oxygen (mg/L)	2.59	5.69	4.19	2.42							

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments _____

Additional Comments

moderate petrol sheen
purged dry @ 9 gal recharge and sample
dup @ 1842

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/14/2022
Field Personnel	LJ, AB
General Weather	clear
Ambient Air Temperature	

Monitoring Well Information

Well ID	07303 - RW-4
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	4	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	30.1-50.1	ft	
Total Well Depth (nearest 0.1')	50.1	ft	
Depth to Groundwater (nearest 0.01')	39.37	ft	
Length of Water Column	10.73	ft	
1 Casing Volume (0.163)	7.01	ft	
3 Casing Volumes (0.489)	21.02	gals	
Total Volume Purged	10.75	gals	
Purge Technique Utilized (bailer, pump)			50.1
Well Yield	Low ☑	Medium ☐	High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0810		Last Verification (time)	1210	

Volume (gal)	initial	7.25	10.5	10.75						
Time (military)	1439	1448	1452	1505						
pH (su)	6.54	6.18	6.25	6.22						
Spec Conductivity (mS/cm)	0.191	0.178	0.170	0.168						
Water Temperature (°C)	22.7	24.0	23.7	23.5						
Turbidity (NTU)	0.0	0.0	11.7	78.9						
Dissolved Oxygen (mg/L)	1.97	1.42	2.79	2.61						

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

purged dry @ 10.5 gal recharge and sample

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/14/2022
Field Personnel	LJ AB
General Weather	Clear
Ambient Air Temperature	80

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)			Last Verification (time)		

Monitoring Well Information

Well ID	07303 - RW-5	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	4	in
Screened Interval	30-50	ft
Total Well Depth (nearest 0.1')	50.0	ft
Depth to Groundwater (nearest 0.01')	36.43	ft
Length of Water Column		ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

50.0

Volume (gal)		NS - Free Product								
Time (military)										
pH (su)										
Spec Conductivity (mS/cm)										
Water Temperature (°C)										
Turbidity (NTU)										
Dissolved Oxygen (mg/L)										

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

Free Product 0.03' (36.40-36.43)

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9 /13 /2022
Field Personnel	LJ, AB
General Weather	clear
Ambient Air Temperature	65

Quality Assurance

Meter	Horiba U-52-2	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or Serial Number	V3KNWUE9	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	
Last Calibration (time)	0815	Last Verification (time)		

Monitoring Well Information

Well ID	07303 - MW-1	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	75-80	ft
Total Well Depth (nearest 0.1')	80.1	ft
Depth to Groundwater (nearest 0.01')	45.20	ft
34.90 Length of Water Column	[illegible]	ft
1 Casing Volume (0.163)	5.69	ft
3 Casing Volumes (0.489)	17.07	gals
Total Volume Purged	30	gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☐ Medium ☑ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

80.1

	initial									
Volume (gal)		6	12	18	24	30				
Time (military)	1146	1200	1207	1215	1220	1230				
pH (su)	9.90	9.59	8.95	8.18	8.09	7.46				
Spec Conductivity (mS/cm)	0.166	0.194	0.189	0.191	0.186	0.186				
Water Temperature (°C)	19.6	19.7	19.8	20.2	20.3	20.1				
Turbidity (NTU)	0.0	0.0	0.0	0.0	0.0	0.0				
Dissolved Oxygen (mg/L)	1.93	4.77	2.96	2.33	4.05	4.10				

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/14/2022
Field Personnel	LJ, AB
General Weather	clear
Ambient Air Temperature	80

Monitoring Well Information

Well ID	07303 - DW-2
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	75-80	ft
Total Well Depth (nearest 0.1')	80.1	ft
Depth to Groundwater (nearest 0.01')	41.33	ft
Length of Water Column	38.77	ft
1 Casing Volume (0.163)	6.32	ft
3 Casing Volumes (0.489)	18.96	gals
Total Volume Purged	325	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

80.1

Purge Technique Utilized (bailer, pump)

Well Yield — Low ☐ Medium ☑ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0810		Last Verification (time)	1210	

Volume (gal)	initial	6.5	13	19.5	26	32.5				
Time (military)	1354	1402	1409	1417	1425	1436				
pH (su)	7.21	11.53	10.31	9.41	8.37	7.92				
Spec Conductivity (mS/cm)	0.194	0.197	0.190	0.177	0.169	0.159				
Water Temperature (°C)	21.5	21.4	21.7	21.5	21.5	20.9				
Turbidity (NTU)	8.2	0.0	0.0	0.0	0.0	0.0				
Dissolved Oxygen (mg/L)	4.27	2.32	3.06	3.01	2.25	5.08				

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/14/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	80

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0810		Last Verification (time)	1210

Monitoring Well Information

Well ID	07303 - DW-3	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	75-80	ft
Total Well Depth (nearest 0.1')	80.0	ft
Depth to Groundwater (nearest 0.01')	39.17	ft
Length of Water Column	40.83	ft
1 Casing Volume (0.163)	6.65	ft
3 Casing Volumes (0.489)	19.97	gals
Total Volume Purged	35	gals
Purge Technique Utilized (bailer, pump)	(5)	
Well Yield	Low ☐ Medium ☑ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

80.0

Volume (gal)	initial	7	14	21	28	35					
Time (military)	1250	1259	1310	1319	1325	1333					
pH (su)	7.44	7.06	6.53	6.24	6.04	6.00					
Spec Conductivity (mS/cm)	0.070	0.120	0.130	0.134	0.136	0.138					
Water Temperature (°C)	23.7	22.0	21.6	21.0	20.7	20.9					
Turbidity (NTU)	6.0	0.0	0.0	0.0	0.0	0.0					
Dissolved Oxygen (mg/L)	8.99	2.66	3.84	2.28	2.21	6.93					

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

Groundwater Sampling Log

TERRY Environmental Services
CLIENTS FIRST ALWAYS

P.O. Box 25
Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9 /13 /2022 9-13-22
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	55

Monitoring Well Information

Well ID	07303 - DW-5
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	75-80	ft
Total Well Depth (nearest 0.1')	80.0	ft
Depth to Groundwater (nearest 0.01')	59.27	ft
Length of Water Column	20.73	ft
1 Casing Volume (0.163)	3.38	ft
3 Casing Volumes (0.489)	10.14	gals
Total Volume Purged	5.25	gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☑ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

80.0

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	~~1345~~ 0815		Last Verification (time)	

Volume (gal)	initial	4	5	5.25
Time (military)	0821	0828	0828	0835
pH (su)	10.57	10.61	10.74	11.61
Spec Conductivity (mS/cm)	1.57	4.33	4.38	4.23
Water Temperature (°C)	21.4	17.5	17.4	17.6
Turbidity (NTU)	0.0	69.8	68.5	27.0
Dissolved Oxygen (mg/L)	12.38	3.82	3.71	5.31

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

purged dry @ 5gal. recharge and sample

FB-2 @ 0810

Groundwater Sampling Log

TERRY Environmental Services
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Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/13/2022
Field Personnel	LJAB
General Weather	clear
Ambient Air Temperature	65

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9
Calibration Constant	4.00 su		Calibration Constant	4.00 su
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU
Last Calibration (time)	0815		Last Verification (time)	

Monitoring Well Information

Well ID	07303 - DW-6	
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Well Diameter	2	in
Screened Interval	115-130	ft
Total Well Depth (nearest 0.1')	130.0	ft
Depth to Groundwater (nearest 0.01')	49.69	ft
Length of Water Column	80.31	ft
1 Casing Volume (0.163)	13.09	ft
3 Casing Volumes (0.489)	39.27	gals
Total Volume Purged	14.25	gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☑ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

130.0

Volume (gal)	initial	13.25	14	14.25						
Time (military)	1140	1150	1152	1206						
pH (su)	7.29	9.75	9.81	9.69						
Spec Conductivity (mS/cm)	0.312	0.343	0.340	0.338						
Water Temperature (°C)	19.6	19.7	19.3	19.2						
Turbidity (NTU)	0.0	20.0	0.0	0.0						
Dissolved Oxygen (mg/L)	3.89	2.57	2.50	3.00						

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

purged dry @ 14 gal. recharge + sample

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/14/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	80

Monitoring Well Information

Well ID	07303 - DW-7
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	115-120	ft
Total Well Depth (nearest 0.1')	120.0	ft
Depth to Groundwater (nearest 0.01')	43.42	ft
Length of Water Column	76.58	ft
1 Casing Volume (0.163)	12.48	ft
3 Casing Volumes (0.489)	37.45	gals
Total Volume Purged	13.25	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

120.0

Purge Technique Utilized (bailer / pump)

Well Yield — Low ☑ Medium ☐ High ☐

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0810		Last Verification (time)	1210	

Volume (gal)	initial	12.5	13	13.25						
Time (military)	1338	1350	1352	1404						
pH (su)	9.31	10.00	11.24	11.39						
Spec Conductivity (mS/cm)	3.13	3.29	3.43	3.43						
Water Temperature (°C)	21.4	21.1	22.0	21.6						
Turbidity (NTU)	0.0	0.0	5.7	12.2						
Dissolved Oxygen (mg/L)	3.50	3.92	3.09	3.00						

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

purged dry @ 13gal. recharge and sample

Groundwater Sampling Log

TERRY Environmental Services — CLIENTS FIRST ALWAYS

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Summerville, SC 29484
1-800-325-0605

Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9 /13 /2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	85

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0815		Last Verification (time)	1615	

Monitoring Well Information

Well ID	07303 - DW-9		
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval	75-80	ft	
Total Well Depth (nearest 0.1')	80.1	ft	
Depth to Groundwater (nearest 0.01')	36.09	ft	
Length of Water Column	44.01	ft	
1 Casing Volume (0.163)	7.17	ft	
3 Casing Volumes (0.489)	21.52	gals	
Total Volume Purged	29	gals	
Purge Technique Utilized (bailer, pump)			80.1
Well Yield	Low ☐ Medium ☐ High ☑		

Volume (gal)	initial	7.25	14.5	21.75	29					
Time (military)	1619	1630	1640	1648	1703					
pH (su)	11.45	10.66	10.64	10.57	10.55					
Spec Conductivity (mS/cm)	0.359	0.201	0.171	0.164	0.163					
Water Temperature (°C)	20.8	20.4	19.6	19.6	19.5					
Turbidity (NTU)	0.0	0.0	0.0	0.0	0.0					
Dissolved Oxygen (mg/L)	3.50	7.06	8.20	8.16	8.01					

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/13/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	85

Monitoring Well Information

Well ID	07303 - GW-10
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	115-120	ft
Total Well Depth (nearest 0.1')	120.0	ft
Depth to Groundwater (nearest 0.01')	38.81	ft
Length of Water Column	81.19	ft
1 Casing Volume (0.163)	13.23	ft
3 Casing Volumes (0.489)	39.70	gals
Total Volume Purged	14.25	gals
Purge Technique Utilized (bailer, pump)		
Well Yield	Low ☑ Medium ☐ High ☐	

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

120.0

Quality Assurance

Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0815		Last Verification (time)	1615	

Volume (gal)	initial	13.25	14	14.25							
Time (military)	1617	1635	1638	1651							
pH (su)	10.62	10.19	10.24	10.22							
Spec Conductivity (mS/cm)	1.69	1.47	1.49	1.73							
Water Temperature (°C)	21.9	21.4	21.2	19.9							
Turbidity (NTU)	0.0	2.6	0.0	0.0							
Dissolved Oxygen (mg/L)	2.00	5.72	4.10	4.65							

Well Condition Information

-overall condition acceptable? well under pressure when cap removed - wait to tag DTW 10 min
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

purged dry @ 14 gal - recharge and sample

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/13/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	80

Monitoring Well Information

Well ID	07303 - MW-11
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter	2	in
Screened Interval	74-79	ft
Total Well Depth (nearest 0.1')	78.6	ft
Depth to Groundwater (nearest 0.01')	45.65	ft
Length of Water Column	32.95	ft
1 Casing Volume (0.163)	5.37	ft
3 Casing Volumes (0.489)	16.11	gals
Total Volume Purged	27.5	gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

78.6

Purge Technique Utilized (bailer, (pump))

Well Yield Low ☐ Medium ☐ High ☑

Quality Assurance

Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	0815		Last Verification (time)		

Volume (gal)	initial	5.5	11	16.5	22	27.5					
Time (military)	0849	0852	0859	0906	0912	0919					
pH (su)	11.96	9.14	8.87	8.51	8.29	8.10					
Spec Conductivity (mS/cm)	0.430	0.368	0.337	0.320	0.314	0.310					
Water Temperature (°C)	17.7	18.8	18.5	18.5	18.5	18.5					
Turbidity (NTU)	0.0	0.0	0.0	7.0	1.0	0.0					
Dissolved Oxygen (mg/L)	3.99	3.78	3.99	3.43	3.74	5.00					

Well Condition Information

-overall condition acceptable? _____
-well cap acceptable? _____
-manhole and cover acceptable? _____
-well pad acceptable? _____
-area safe? _____
-other comments

Additional Comments

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/12/2022
Field Personnel	LJ AB
General Weather	clear
Ambient Air Temperature	80

Quality Assurance

Meter	Horiba U-52-2		Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	or	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	
Last Calibration (time)	1345		Last Verification (time)		

Monitoring Well Information

Well ID	07303 - SW-1
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter		in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Screened Interval		ft	
Total Well Depth (nearest 0.1')		ft	
Depth to Groundwater (nearest 0.01')		ft	
Length of Water Column		ft	
1 Casing Volume (0.163)		ft	
3 Casing Volumes (0.489)		gals	
Total Volume Purged		gals	

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Volume (gal)	natural										
Time (military)	1410										
pH (su)	5.42										
Spec Conductivity (mS/cm)	0.081										
Water Temperature (°C)	20.8										
Turbidity (NTU)	2.1										
Dissolved Oxygen (mg/L)	9.92										

Well Condition Information

-overall condition acceptable?

-well cap acceptable?

-manhole and cover acceptable?

-well pad acceptable?

-area safe?

-other comments

Additional Comments

sample from stream upgradient from MW-48

Groundwater Sampling Log

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Site Specific Information

Terry Project ID	2170T
SCDHEC Permit No.	07303
Project Name	Former Li'l Cricket #339
Date	9/12/2022
Field Personnel	LJ AB
General Weather	Clear
Ambient Air Temperature	80

Monitoring Well Information

Well ID	07303 - SW-2
Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB

Well Diameter		in
Screened Interval		ft
Total Well Depth (nearest 0.1')		ft
Depth to Groundwater (nearest 0.01')		ft
Length of Water Column		ft
1 Casing Volume (0.163)		ft
3 Casing Volumes (0.489)		gals
Total Volume Purged		gals

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

Purge Technique Utilized (bailer, pump)

Well Yield Low ☐ Medium ☐ High ☐

Quality Assurance

		or		
Meter	Horiba U-52-2	Meter	Horiba U-52-2	
Serial Number	VPTPGA3X	Serial Number	V3KNWUE9	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	
Last Calibration (time)	1340	Last Verification (time)		

Volume (gal)	initial										
Time (military)	1416										
pH (su)	5.51										
Spec Conductivity (mS/cm)	0.080										
Water Temperature (°C)	19.6										
Turbidity (NTU)	0.8										
Dissolved Oxygen (mg/L)	8.97										

Well Condition Information

-overall condition acceptable?
-well cap acceptable?
-manhole and cover acceptable?
-well pad acceptable?
-area safe?
-other comments

Additional Comments

sample from stream downgradient of MW-9S

Photograph 1 - SW-1 (Creek)

Photograph 2 – SW-2 (Creek)

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SURFACE WATER SAMPLING
PHOTOGRAPHS 1 & 2
FORMER LI'L CRICKET #339
800 WEST NORTH FIRST STREET
SENECA, SOUTH CAROLINA
SCDHEC UST PERMIT #07303
Terry Project #2170T

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1-800-325-0605

HORIBA U-52-2 DAILY CALIBRATION DATA SHEET

Serial Number:	**Date:** 9/12/22	**Inspector(s):** LJ
J6RAKC0E/VPTPGA3X T13E334F/V3KNWUE9	**Time:** 1345	

Solution Manufacturer: Eastern Solutions **Lot Number:** 14477 **Expiration Date:** 11/17/2022

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	4.01	± 0.01
Conductivity: 4.49 mS/cm	4.51 mS/cm	± 0.03 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	25.7 °C	25.9 °C	± 0.2 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes LC # 339
2170T

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HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number:	**Date:** 9 / 12 / 22	**Inspector(s):** LJ
J6RAKC0E/VPTPGA3X T13E334F/V3KNWUE9	**Time:** 1745	

Solution Manufacturer: Eastern Solutions **Lot Number:** 14477 **Expiration Date:** 11/17/2022

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	3.98	± 0.02
Conductivity: 4.49 mS/cm	4.50 mS/cm	± 0.01 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	26.8 °C	26.8 °C	± 0.0 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes LC #339 2170 T

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HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number:	**Date:** 9 / 12 / 22	**Inspector(s):** LJ
J6RAKC0E/VPTPGA3X T13E334F/V3KNWUE9	**Time:** 1820	

Solution Manufacturer: Eastern Solutions **Lot Number:** 14477 **Expiration Date:** 11/17/2022

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	4.01	± 0.01
Conductivity: 4.49 mS/cm	4.47 mS/cm	± 0.02 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	26.6 °C	26.5 °C	± 0.1 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes LC 339
2170 T

TERRY Environmental Services
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HORIBA U-52-2 DAILY CALIBRATION DATA SHEET

Serial Number:	**Date:** 9 / 13 / 22	**Inspector(s):** LJ
J6RAKC0E/VPTPGA3X T13E334F/V3KNWUE9	**Time:** 0815	

Solution Manufacturer: Eastern Solutions **Lot Number:** 14477 **Expiration Date:** 11/17/2022

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	3.92	± 0.08
Conductivity: 4.49 mS/cm	4.48 mS/cm	± 0.01 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	17.4 °C	16.9 °C	± 0.05 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes LC #339
2170T

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HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number:	**Date:** 9 / 13 / 22	**Inspector(s):** LJ
J6RAKC0E/VPTPGA3X T13E334F/V3KNWUE9	**Time:** 1215	

Solution Manufacturer: Eastern Solutions **Lot Number:** 14477 **Expiration Date:** 11/17/2022

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	3.95	± 0.05
Conductivity: 4.49 mS/cm	4.46 mS/cm	± 0.03 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer: 20.6 °C	19.9 °C	± 0.7 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes

LC #339
2170T

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HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number:	**Date:** 9 / 13 / 22	**Inspector(s):** LJ
J6RAKC0E/VPTPGA3X T13E334F/V3KNWUE9	**Time:** 1615	

Solution Manufacturer: Eastern Solutions **Lot Number:** 14477 **Expiration Date:** 11/17/2022

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	3.99	± 0.01
Conductivity: 4.49 mS/cm	4.47 mS/cm	± 0.02 mS/cm
Turbidity: 0.0 NTU	1.0 NTU	± 1.0 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	25.5 °C	25.4 °C	± 0.1 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes LC # 339 2170T

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HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number:	**Date:** 9 / 13 / 22	**Inspector(s):** LJ
J6RAKC0E/VPTPGA3X T13E334F/V3KNWUE9	**Time:** 1900	

Solution Manufacturer: Eastern Solutions **Lot Number:** 14477 **Expiration Date:** 11/17/2022

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	4.00	± 0.0
Conductivity: 4.49 mS/cm	4.48 mS/cm	± 0.01 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	25.0 °C	25.6 °C	± 0.6 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes LC #339 2170T

TERRY Environmental Services
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P.O. Box 25
Summerville, SC 29484
1-800-325-0605

HORIBA U-52-2 DAILY CALIBRATION DATA SHEET

Serial Number:	**Date:** 9 / 14 / 22	**Inspector(s):** LJ
J6RAKC0E/VPTPGA3X T13E334F/V3KNWUE9	**Time:** 0810	

Solution Manufacturer: Eastern Solutions **Lot Number:** 14477 **Expiration Date:** 11/17/2022

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	3.97	± 0.03
Conductivity: 4.49 mS/cm	4.51 mS/cm	± 0.02 mS/cm
Turbidity: 0.0 NTU	0.9 NTU	± 0.9 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	18.1 °C	18.1 °C	± 0.0 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes LC #339
2170T

TERRY Environmental Services
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P.O. Box 25
Summerville, SC 29484
1-800-325-0605

HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number:	**Date:** 9 / 14 / 22	**Inspector(s):** LJ
J6RAKC0E/VPTPGA3X T13E334F/V3KNWUE9	**Time:** 1210	

Solution Manufacturer: Eastern Solutions **Lot Number:** 14477 **Expiration Date:** 11/17/2022

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	4.00	± 0.0
Conductivity: 4.49 mS/cm	4.50 mS/cm	± 0.01 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	21.5 °C	21.0 °C	± 0.5 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes LC #339
2170T

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1-800-325-0605

HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number:	**Date:** 9 / 14 / 22	**Inspector(s):** LJ
J6RAKC0E/VPTPGA3X T13E334F/V3KNWUE9	**Time:** 1610	

Solution Manufacturer: Eastern Solutions **Lot Number:** 14477 **Expiration Date:** 11/17/2022

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	3.95	± 0.03
Conductivity: 4.49 mS/cm	4.46 mS/cm	±0.03 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	23.0 °C	23.7 °C	± 0.7 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes LC #339 2170T

TERRY Environmental Services
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P.O. Box 25
Summerville, SC 29484
1-800-325-0605

HORIBA U-52-2 VERIFICATION CHECK DATA SHEET

Serial Number:	**Date:** 9 / 14 / 22	**Inspector(s):** LJ
J6RAKC0E/VPTPGA3X T13E334F/V3KNWUE9	**Time:** 1900	

Solution Manufacturer: Eastern Solutions **Lot Number:** 14477 **Expiration Date:** 11/17/2022

Solution Value	*Instrument Reading*	*Accuracy*
pH: 4.00	4.00	± 0.00
Conductivity: 4.49 mS/cm	4.49 mS/cm	± 0.00 mS/cm
Turbidity: 0.0 NTU	0.0 NTU	± 0.0 NTU

	Standard Reading	*Instrument Reading*	*Accuracy*
NIST-Traceable Thermometer:	22.5 °C	22.5 °C	± 0.0 °C

QAPP Acceptance Criteria

Field Parameter	*Accuracy*
Temperature	*±1°C against an NIST-traceable thermometer*
Specific Conductance	*10% of each standard used*
pH	*±0.2 pH units of stated buffer value*
Turbidity	*10% of each standard used*

Inspector's Maintenance Notes LC#339 2170T

Report of Analysis

Terry Environmental Services, Inc.
222 Varnfield Drive
Suite F
Summerville, SC 29483
Attention: Kelly Cone

Project Name: Former Li'l Cricket #339

Project Number: 2170T

Lot Number:**XI16027**

Date Completed:10/04/2022

10/05/2022 9:35 AM
Approved and released by:
Project Manager I: **Kayla S. Holliday**

The electronic signature above is the equivalent of a handwritten signature.
This report shall not be reproduced, except in its entirety, without the written approval of Pace Analytical Services, LLC.

Case Narrative
Terry Environmental Services, Inc.
Lot Number: XI16027

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report. Where sampling is conducted by the client, results relate to the accuracy of the information provided, and as the samples are received.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved The NELAC Institute (TNI) standards, the Pace Analytical Services, LLC ("Pace") Laboratory Quality Manual, standard operating procedures (SOPs), and Pace policies. Any exceptions to the TNI standards, the Laboratory Quality Manual, SOPs or policies are qualified on the results page or discussed below.

Pace is a TNI accredited laboratory; however, the following analyses are currently not listed on our TNI scope of accreditation: Drinking Water: VOC (excluding BTEX, MTBE, Naphthalene, & 1,2-dichloroethane) EPA 524.2, E. coli and Total coliforms SM 9223 B-2004, Solid Chemical Material: TOC Walkley-Black, Biological Tissue: All, Non-Potable Water: SGT-HEM EPA 1664B, Silica EPA 200.7, Boron, Calcium, Silicon, Strontium EPA 200.8, Bicarbonate, Carbonate, and Hydroxide Alkalinity SM 2320 B-2011, SM 9221 C E-2006 & SM 9222D-2006, Strontium SW-846 6010D, VOC SM 6200 B-2011, Fecal Coliform Colilert-18.

If you have any questions regarding this report, please contact the Pace Project Manager listed on the cover page.

VOCs by GCMS
The following samples were diluted due to the nature of the sample matrix: XI16027-017, XI16027-018, XI16027-050, XI16027-051, XI16027-052, XI16027-053, XI16027-054, XI16027-055, XI16027-056, XI16027-057, XI16027-058, XI16027-059. No corrective actions required as it is known that dilutions 5x and greater do not impact sample recoveries. The LOQ has been elevated to reflect the dilution.

Tert-Butyl formate (TBF) Matrix Spike & Matrix Spike Duplicate associated with batch 54541, 54657 and 54888 recovered outside criteria. Data has been qualified with an 'S' accordingly. All other QC passed, therefore, the data has been reported.

EDB by Microextraction
Surrogate recovery for the following samples were outside control limits: XI16027-007, XI16027-010, XI16027-014, XI16027-020. Re-analysis was not performed as the sample results were non-detect. Data has been flagged with a "Q" and 'N" accordingly.

The Method Blank and LCS associated with batch 54977 recovered out of criteria. Additonally, the surrogate compound was inadvertently omitted during the extraction process for the following samples: XI16027-026, XI16027-031, XI16027-032 XI16027-033, XI16027-034, XI16027-035, XI16027-036, XI16027-037, XI16027-038, XI16027-039, XI16027-040, XI16027-041, XI16027-042, XI16027-043, XI16027-044, XI16027-045, XI16027-046, XI16027-047, XI16027-048, XI16027-049. Re-extraction and

re-analysis was performed outside of the method defined holding-time with passing QC. Both sets of data have been reported with results of Non-Detect for Run 1 and Run 2.

1,2-Dibromoethane (EDB) Matrix Spike & Matrix Spike Duplicate associated with batch 54977 recovered outside criteria. Data has been qualified with an 'S' accordingly.

Sample Summary
Terry Environmental Services, Inc.
Lot Number: XI16027

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	07303 FB-1	Aqueous	09/12/2022 1340	09/15/2022
002	07303 SW-1	Aqueous	09/12/2022 1410	09/15/2022
003	07303 SW-2	Aqueous	09/12/2022 1416	09/15/2022
004	07303 MW-46	Aqueous	09/12/2022 1419	09/15/2022
005	07303 MW-47	Aqueous	09/12/2022 1452	09/15/2022
006	07303 MW-48	Aqueous	09/12/2022 1600	09/15/2022
007	07303 MW-45	Aqueous	09/12/2022 1622	09/15/2022
008	07303 MW-22	Aqueous	09/12/2022 1659	09/15/2022
009	07303 MW-43	Aqueous	09/12/2022 1735	09/15/2022
010	07303 MW-28	Aqueous	09/12/2022 1755	09/15/2022
011	07303 MW-23	Aqueous	09/12/2022 1816	09/15/2022
012	07303 FB-2	Aqueous	09/13/2022 0810	09/15/2022
013	07303 DW-5	Aqueous	09/13/2022 0835	09/15/2022
014	07303 DW-11	Aqueous	09/13/2022 0919	09/15/2022
015	07303 MW-41	Aqueous	09/13/2022 0933	09/15/2022
016	07303 MW-39	Aqueous	09/13/2022 1005	09/15/2022
017	07303 MW-25	Aqueous	09/13/2022 1028	09/15/2022
018	07303 MW-24	Aqueous	09/13/2022 1042	09/15/2022
019	07303 MW-21	Aqueous	09/13/2022 1104	09/15/2022
020	07303 MW-14	Aqueous	09/13/2022 1135	09/15/2022
021	07303 DW-6	Aqueous	09/13/2022 1206	09/15/2022
022	07303 DW-1	Aqueous	09/13/2022 1230	09/15/2022
023	07303 MW-13	Aqueous	09/13/2022 1255	09/15/2022
024	07303 MW-11	Aqueous	09/13/2022 1315	09/15/2022
025	07303 MW-40	Aqueous	09/13/2022 1450	09/15/2022
026	07303 MW-42	Aqueous	09/13/2022 1520	09/15/2022
027	07303 MW-12	Aqueous	09/13/2022 1550	09/15/2022
028	07303 DW-10	Aqueous	09/13/2022 1651	09/15/2022
029	07303 DW-9	Aqueous	09/13/2022 1703	09/15/2022
030	07303 MW-37	Aqueous	09/13/2022 1720	09/15/2022
031	07303 MW-38	Aqueous	09/13/2022 1745	09/15/2022
032	07303 MW-36	Aqueous	09/13/2022 1810	09/15/2022
033	07303 MW-34	Aqueous	09/13/2022 1836	09/15/2022
034	07303 MW-35	Aqueous	09/13/2022 1853	09/15/2022
035	07303 FB-3	Aqueous	09/14/2022 0805	09/15/2022
036	07303 MW-31	Aqueous	09/14/2022 0840	09/15/2022
037	07303 MW-32	Aqueous	09/14/2022 0846	09/15/2022
038	07303 MW-33	Aqueous	09/14/2022 0857	09/15/2022
039	07303 MW-5R	Aqueous	09/14/2022 1000	09/15/2022
040	07303 MW-30	Aqueous	09/14/2022 1035	09/15/2022
041	07303 MW-3	Aqueous	09/14/2022 1103	09/15/2022
042	07303 MW-16	Aqueous	09/14/2022 1129	09/15/2022
043	07303 MW-18	Aqueous	09/14/2022 1151	09/15/2022
044	07303 MW-17	Aqueous	09/14/2022 1209	09/15/2022
045	07303 DW-3	Aqueous	09/14/2022 1333	09/15/2022

Sample Summary (Continued)

Lot Number: XI16027

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
046	07303 DW-7	Aqueous	09/14/2022 1404	09/15/2022
047	07303 DW-2	Aqueous	09/14/2022 1436	09/15/2022
048	07303 RW-4	Aqueous	09/14/2022 1505	09/15/2022
049	07303 MW-29	Aqueous	09/14/2022 1524	09/15/2022
050	07303 MW-15	Aqueous	09/14/2022 1555	09/15/2022
051	07303 MW-27	Aqueous	09/14/2022 1620	09/15/2022
052	07303 MW-27 dup	Aqueous	09/14/2022 1622	09/15/2022
053	07303 MW-19	Aqueous	09/14/2022 1650	09/15/2022
054	07303 MW-9	Aqueous	09/14/2022 1737	09/15/2022
055	07303 MW-20	Aqueous	09/14/2022 1801	09/15/2022
056	07303 RW-2	Aqueous	09/14/2022 1815	09/15/2022
057	07303 RW-2 dup	Aqueous	09/14/2022 1817	09/15/2022
058	07303 RW-3	Aqueous	09/14/2022 1840	09/15/2022
059	07303 RW-3 dup	Aqueous	09/14/2022 1842	09/15/2022
060	07303 Trip Blank	Aqueous	09/14/2022	09/15/2022

(60 samples)

Detection Summary
Terry Environmental Services, Inc.
Lot Number: XI16027

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
002	07303 SW-1	Aqueous	Methyl tertiary butyl ether	8260D	0.56	J	ug/L	15
003	07303 SW-2	Aqueous	Methyl tertiary butyl ether	8260D	0.90	J	ug/L	16
011	07303 MW-23	Aqueous	tert-Amyl alcohol (TAA)	8260D	20		ug/L	24
011	07303 MW-23	Aqueous	tert-Amyl methyl ether	8260D	0.51	J	ug/L	24
011	07303 MW-23	Aqueous	Benzene	8260D	28		ug/L	24
011	07303 MW-23	Aqueous	1,2-Dichloroethane	8260D	0.65	J	ug/L	24
011	07303 MW-23	Aqueous	Ethanol	8260D	74	J	ug/L	24
011	07303 MW-23	Aqueous	Ethylbenzene	8260D	110		ug/L	24
011	07303 MW-23	Aqueous	Methyl tertiary butyl ether	8260D	1.0		ug/L	24
011	07303 MW-23	Aqueous	Naphthalene	8260D	7.3		ug/L	24
011	07303 MW-23	Aqueous	tert-butyl alcohol (TBA)	8260D	17	J	ug/L	24
011	07303 MW-23	Aqueous	Toluene	8260D	6.8		ug/L	24
011	07303 MW-23	Aqueous	Xylenes (total)	8260D	2.3		ug/L	24
014	07303 DW-11	Aqueous	tert-Amyl alcohol (TAA)	8260D	130		ug/L	27
014	07303 DW-11	Aqueous	tert-Amyl methyl ether	8260D	9.9	J	ug/L	27
014	07303 DW-11	Aqueous	Benzene	8260D	16		ug/L	27
014	07303 DW-11	Aqueous	1,2-Dichloroethane	8260D	0.90	J	ug/L	27
014	07303 DW-11	Aqueous	Diisopropyl ether (IPE)	8260D	3.7		ug/L	27
014	07303 DW-11	Aqueous	Ethylbenzene	8260D	0.92	J	ug/L	27
014	07303 DW-11	Aqueous	Methyl tertiary butyl ether	8260D	30		ug/L	27
014	07303 DW-11	Aqueous	Naphthalene	8260D	1.4		ug/L	27
014	07303 DW-11	Aqueous	tert-butyl alcohol (TBA)	8260D	300		ug/L	27
014	07303 DW-11	Aqueous	Xylenes (total)	8260D	0.47	J	ug/L	27
017	07303 MW-25	Aqueous	tert-Amyl alcohol (TAA)	8260D	130		ug/L	30
017	07303 MW-25	Aqueous	tert-Amyl methyl ether	8260D	2.2	J	ug/L	30
017	07303 MW-25	Aqueous	Benzene	8260D	48		ug/L	30
017	07303 MW-25	Aqueous	Ethylbenzene	8260D	300		ug/L	30
017	07303 MW-25	Aqueous	Methyl tertiary butyl ether	8260D	7.5		ug/L	30
017	07303 MW-25	Aqueous	Naphthalene	8260D	7.7		ug/L	30
017	07303 MW-25	Aqueous	tert-butyl alcohol (TBA)	8260D	130		ug/L	30
017	07303 MW-25	Aqueous	Toluene	8260D	5.8		ug/L	30
017	07303 MW-25	Aqueous	Xylenes (total)	8260D	30		ug/L	30
018	07303 MW-24	Aqueous	tert-Amyl alcohol (TAA)	8260D	110		ug/L	31
018	07303 MW-24	Aqueous	Ethylbenzene	8260D	350		ug/L	31
018	07303 MW-24	Aqueous	Naphthalene	8260D	140		ug/L	31
018	07303 MW-24	Aqueous	Toluene	8260D	94		ug/L	31
018	07303 MW-24	Aqueous	Xylenes (total)	8260D	1200		ug/L	31
019	07303 MW-21	Aqueous	Ethanol	8260D	93	J	ug/L	32
021	07303 DW-6	Aqueous	Ethanol	8260D	190		ug/L	34
022	07303 DW-1	Aqueous	tert-Amyl alcohol (TAA)	8260D	16	J	ug/L	35
022	07303 DW-1	Aqueous	tert-Amyl methyl ether	8260D	0.96	J	ug/L	35
022	07303 DW-1	Aqueous	Diisopropyl ether (IPE)	8260D	1.1		ug/L	35
022	07303 DW-1	Aqueous	Ethanol	8260D	490		ug/L	35
022	07303 DW-1	Aqueous	Methyl tertiary butyl ether	8260D	18		ug/L	35
022	07303 DW-1	Aqueous	tert-butyl alcohol (TBA)	8260D	23		ug/L	35

Detection Summary (Continued)

Lot Number: XI16027

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
023	07303 MW-13	Aqueous	tert-Amyl alcohol (TAA)	8260D	17	J	ug/L	36
023	07303 MW-13	Aqueous	Benzene	8260D	0.82	J	ug/L	36
023	07303 MW-13	Aqueous	tert-butyl alcohol (TBA)	8260D	23		ug/L	36
023	07303 MW-13	Aqueous	Toluene	8260D	0.50	J	ug/L	36
024	07303 MW-11	Aqueous	Ethanol	8260D	150		ug/L	37
028	07303 DW-10	Aqueous	Ethanol	8260D	330		ug/L	42
036	07303 MW-31	Aqueous	Ethanol	8260D	62	J	ug/L	55
042	07303 MW-16	Aqueous	Benzene	8260D	0.51	J	ug/L	67
042	07303 MW-16	Aqueous	Methyl tertiary butyl ether	8260D	1.0		ug/L	67
042	07303 MW-16	Aqueous	Naphthalene	8260D	1.1		ug/L	67
043	07303 MW-18	Aqueous	tert-Amyl methyl ether	8260D	1.1	J	ug/L	69
043	07303 MW-18	Aqueous	Benzene	8260D	1.8		ug/L	69
043	07303 MW-18	Aqueous	Diisopropyl ether (IPE)	8260D	0.50	J	ug/L	69
043	07303 MW-18	Aqueous	Ethylbenzene	8260D	0.55	J	ug/L	69
043	07303 MW-18	Aqueous	Methyl tertiary butyl ether	8260D	7.7		ug/L	69
043	07303 MW-18	Aqueous	Naphthalene	8260D	1.2		ug/L	69
043	07303 MW-18	Aqueous	tert-butyl alcohol (TBA)	8260D	43		ug/L	69
043	07303 MW-18	Aqueous	Xylenes (total)	8260D	0.53	J	ug/L	69
044	07303 MW-17	Aqueous	Methyl tertiary butyl ether	8260D	0.80	J	ug/L	71
044	07303 MW-17	Aqueous	Naphthalene	8260D	1.1		ug/L	71
045	07303 DW-3	Aqueous	Benzene	8260D	0.87	J	ug/L	73
045	07303 DW-3	Aqueous	Methyl tertiary butyl ether	8260D	1.6		ug/L	73
046	07303 DW-7	Aqueous	Ethanol	8260D	68	J	ug/L	75
046	07303 DW-7	Aqueous	Methyl tertiary butyl ether	8260D	4.2		ug/L	75
047	07303 DW-2	Aqueous	Ethanol	8260D	100		ug/L	77
048	07303 RW-4	Aqueous	Ethylbenzene	8260D	0.55	J	ug/L	79
048	07303 RW-4	Aqueous	Methyl tertiary butyl ether	8260D	1.5		ug/L	79
049	07303 MW-29	Aqueous	tert-Amyl alcohol (TAA)	8260D	37		ug/L	81
049	07303 MW-29	Aqueous	Benzene	8260D	2.3		ug/L	81
049	07303 MW-29	Aqueous	1,2-Dichloroethane	8260D	0.75	J	ug/L	81
049	07303 MW-29	Aqueous	Diisopropyl ether (IPE)	8260D	1.4		ug/L	81
049	07303 MW-29	Aqueous	Ethylbenzene	8260D	4.5		ug/L	81
049	07303 MW-29	Aqueous	Methyl tertiary butyl ether	8260D	3.0		ug/L	81
049	07303 MW-29	Aqueous	Naphthalene	8260D	3.1		ug/L	81
049	07303 MW-29	Aqueous	tert-butyl alcohol (TBA)	8260D	16	J	ug/L	81
049	07303 MW-29	Aqueous	Xylenes (total)	8260D	13		ug/L	81
050	07303 MW-15	Aqueous	tert-Amyl alcohol (TAA)	8260D	230		ug/L	83
050	07303 MW-15	Aqueous	tert-Amyl methyl ether	8260D	6.0	J	ug/L	83
050	07303 MW-15	Aqueous	Benzene	8260D	120		ug/L	83
050	07303 MW-15	Aqueous	Ethylbenzene	8260D	640		ug/L	83
050	07303 MW-15	Aqueous	Methyl tertiary butyl ether	8260D	19		ug/L	83
050	07303 MW-15	Aqueous	Naphthalene	8260D	310		ug/L	83
050	07303 MW-15	Aqueous	tert-butyl alcohol (TBA)	8260D	590		ug/L	83
050	07303 MW-15	Aqueous	Toluene	8260D	39		ug/L	83
050	07303 MW-15	Aqueous	Xylenes (total)	8260D	1400		ug/L	83
051	07303 MW-27	Aqueous	Benzene	8260D	34		ug/L	84
051	07303 MW-27	Aqueous	Ethylbenzene	8260D	1400		ug/L	84
051	07303 MW-27	Aqueous	Naphthalene	8260D	560		ug/L	84

Detection Summary (Continued)

Lot Number: XI16027

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
051	07303 MW-27	Aqueous	Toluene	8260D	23		ug/L	84
051	07303 MW-27	Aqueous	Xylenes (total)	8260D	3500		ug/L	84
052	07303 MW-27 dup	Aqueous	Benzene	8260D	36		ug/L	85
052	07303 MW-27 dup	Aqueous	Ethylbenzene	8260D	1400		ug/L	85
052	07303 MW-27 dup	Aqueous	Naphthalene	8260D	570		ug/L	85
052	07303 MW-27 dup	Aqueous	Toluene	8260D	22		ug/L	85
052	07303 MW-27 dup	Aqueous	Xylenes (total)	8260D	3600		ug/L	85
053	07303 MW-19	Aqueous	tert-Amyl alcohol (TAA)	8260D	1000	J	ug/L	86
053	07303 MW-19	Aqueous	tert-Amyl methyl ether	8260D	150	J	ug/L	86
053	07303 MW-19	Aqueous	Benzene	8260D	830		ug/L	86
053	07303 MW-19	Aqueous	Ethylbenzene	8260D	3000		ug/L	86
053	07303 MW-19	Aqueous	Methyl tertiary butyl ether	8260D	550		ug/L	86
053	07303 MW-19	Aqueous	Naphthalene	8260D	1100		ug/L	86
053	07303 MW-19	Aqueous	tert-butyl alcohol (TBA)	8260D	6200		ug/L	86
053	07303 MW-19	Aqueous	Toluene	8260D	10000		ug/L	86
053	07303 MW-19	Aqueous	Xylenes (total)	8260D	17000		ug/L	86
053	07303 MW-19	Aqueous	1,2-Dibromoethane (EDB)	8011	0.51		ug/L	86
054	07303 MW-9	Aqueous	tert-Amyl alcohol (TAA)	8260D	270		ug/L	87
054	07303 MW-9	Aqueous	tert-Amyl methyl ether	8260D	32	J	ug/L	87
054	07303 MW-9	Aqueous	Benzene	8260D	350		ug/L	87
054	07303 MW-9	Aqueous	Diisopropyl ether (IPE)	8260D	27		ug/L	87
054	07303 MW-9	Aqueous	Ethylbenzene	8260D	310		ug/L	87
054	07303 MW-9	Aqueous	Methyl tertiary butyl ether	8260D	680		ug/L	87
054	07303 MW-9	Aqueous	Naphthalene	8260D	110		ug/L	87
054	07303 MW-9	Aqueous	tert-butyl alcohol (TBA)	8260D	550		ug/L	87
054	07303 MW-9	Aqueous	Toluene	8260D	23		ug/L	87
054	07303 MW-9	Aqueous	Xylenes (total)	8260D	31		ug/L	87
055	07303 MW-20	Aqueous	tert-Amyl alcohol (TAA)	8260D	610	J	ug/L	88
055	07303 MW-20	Aqueous	Benzene	8260D	140		ug/L	88
055	07303 MW-20	Aqueous	Ethylbenzene	8260D	2000		ug/L	88
055	07303 MW-20	Aqueous	Methyl tertiary butyl ether	8260D	41	J	ug/L	88
055	07303 MW-20	Aqueous	Naphthalene	8260D	1100		ug/L	88
055	07303 MW-20	Aqueous	tert-butyl alcohol (TBA)	8260D	2200		ug/L	88
055	07303 MW-20	Aqueous	Toluene	8260D	220		ug/L	88
055	07303 MW-20	Aqueous	Xylenes (total)	8260D	9000		ug/L	88
056	07303 RW-2	Aqueous	tert-Amyl alcohol (TAA)	8260D	570	J	ug/L	89
056	07303 RW-2	Aqueous	Benzene	8260D	290		ug/L	89
056	07303 RW-2	Aqueous	Ethylbenzene	8260D	2400		ug/L	89
056	07303 RW-2	Aqueous	Methyl tertiary butyl ether	8260D	48	J	ug/L	89
056	07303 RW-2	Aqueous	Naphthalene	8260D	840		ug/L	89
056	07303 RW-2	Aqueous	tert-butyl alcohol (TBA)	8260D	1700		ug/L	89
056	07303 RW-2	Aqueous	Toluene	8260D	96		ug/L	89
056	07303 RW-2	Aqueous	Xylenes (total)	8260D	9500		ug/L	89
057	07303 RW-2 dup	Aqueous	Benzene	8260D	280		ug/L	90
057	07303 RW-2 dup	Aqueous	Ethylbenzene	8260D	2300		ug/L	90
057	07303 RW-2 dup	Aqueous	Methyl tertiary butyl ether	8260D	50	J	ug/L	90
057	07303 RW-2 dup	Aqueous	Naphthalene	8260D	830		ug/L	90
057	07303 RW-2 dup	Aqueous	tert-butyl alcohol (TBA)	8260D	1700	J	ug/L	90

Detection Summary (Continued)

Lot Number: XI16027

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
057	07303 RW-2 dup	Aqueous	Toluene	8260D	110		ug/L	90
057	07303 RW-2 dup	Aqueous	Xylenes (total)	8260D	9300		ug/L	90
057	07303 RW-2 dup	Aqueous	1,2-Dibromoethane (EDB)	8011	0.010	J	ug/L	90
058	07303 RW-3	Aqueous	tert-Amyl alcohol (TAA)	8260D	980	J	ug/L	91
058	07303 RW-3	Aqueous	Benzene	8260D	190		ug/L	91
058	07303 RW-3	Aqueous	Ethylbenzene	8260D	1700		ug/L	91
058	07303 RW-3	Aqueous	Methyl tertiary butyl ether	8260D	170		ug/L	91
058	07303 RW-3	Aqueous	Naphthalene	8260D	560		ug/L	91
058	07303 RW-3	Aqueous	tert-butyl alcohol (TBA)	8260D	4300		ug/L	91
058	07303 RW-3	Aqueous	Toluene	8260D	190		ug/L	91
058	07303 RW-3	Aqueous	Xylenes (total)	8260D	4200		ug/L	91
059	07303 RW-3 dup	Aqueous	Benzene	8260D	130		ug/L	92
059	07303 RW-3 dup	Aqueous	Ethylbenzene	8260D	1600		ug/L	92
059	07303 RW-3 dup	Aqueous	Methyl tertiary butyl ether	8260D	98	J	ug/L	92
059	07303 RW-3 dup	Aqueous	Naphthalene	8260D	590		ug/L	92
059	07303 RW-3 dup	Aqueous	tert-butyl alcohol (TBA)	8260D	2900		ug/L	92
059	07303 RW-3 dup	Aqueous	Toluene	8260D	200		ug/L	92
059	07303 RW-3 dup	Aqueous	Xylenes (total)	8260D	5500		ug/L	92

(159 detections)

Client: **Terry Environmental Services, Inc.**
Description: **07303 FB-1**
Date Sampled: **09/12/2022 1340**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-001**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/19/2022 1229	CDA		54541

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		96	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/22/2022 1526	DAL1	09/21/2022 0000	54785

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		130	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **XI16027-002**
Description: **07303 SW-1**
Matrix: **Aqueous**
Date Sampled: **09/12/2022 1410**
Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/19/2022 1336	CDA		54541

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260D**	**0.56**	**J**	**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		96	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/22/2022 1536	DAL1	09/21/2022 0000	54785

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		123	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Description: **07303 SW-2**
Date Sampled: **09/12/2022 1416**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-003**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/19/2022 1358	CDA		54541

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260D**	**0.90**	**J**	**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		102	70-130
Bromofluorobenzene		99	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/22/2022 1547	DAL1	09/21/2022 0000	54785

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0047	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		115	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **XI16027-004**
Description: **07303 MW-46**
Matrix: **Aqueous**
Date Sampled: **09/12/2022 1419**
Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/19/2022 1512	CDA		54537

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		100	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/22/2022 1558	DAL1	09/21/2022 0000	54785

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		124	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-47**
Date Sampled: **09/12/2022 1452**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-005**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/19/2022 1536	CDA		54537

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		96	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/22/2022 1609	DAL1	09/21/2022 0000	54785

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		112	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **XI16027-006**
Description: **07303 MW-48**
Matrix: **Aqueous**
Date Sampled: **09/12/2022 1600**
Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/19/2022 1421	CDA		54541

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		98	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/22/2022 1619	DAL1	09/21/2022 0000	54785

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.021	0.0051	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		94	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-45**
Date Sampled: **09/12/2022 1622**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-007**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/19/2022 1601	CDA		54537

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		98	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/22/2022 1630	DAL1	09/21/2022 0000	54785

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	Q	0.019	0.0048	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	138	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-22**
Date Sampled: **09/12/2022 1659**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-008**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/19/2022 1443	CDA		54541

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		97	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/22/2022 1641	DAL1	09/21/2022 0000	54785

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.021	0.0052	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		100	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-43**
Date Sampled: **09/12/2022 1735**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-009**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/19/2022 1506	CDA		54541

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		97	70-130
Bromofluorobenzene		94	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/22/2022 1652	DAL1	09/21/2022 0000	54785

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		126	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-28**
Date Sampled: **09/12/2022 1755**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-010**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/19/2022 1528	CDA		54541

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		98	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/22/2022 1703	DAL1	09/21/2022 0000	54785

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	Q	0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	158	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-23**
Date Sampled: **09/12/2022 1816**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-011**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260D	1	09/22/2022 2200	SDC		55023

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260D**	**20**		**20**	**8.0**	**ug/L**	**2**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260D**	**0.51**	**J**	**10**	**0.42**	**ug/L**	**2**
Benzene	**71-43-2**	**8260D**	**28**		**1.0**	**0.40**	**ug/L**	**2**
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	2
1,2-Dichloroethane	**107-06-2**	**8260D**	**0.65**	**J**	**1.0**	**0.40**	**ug/L**	**2**
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	2
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	2
Ethanol	**64-17-5**	**8260D**	**74**	**J**	**100**	**52**	**ug/L**	**2**
Ethylbenzene	**100-41-4**	**8260D**	**110**		**1.0**	**0.40**	**ug/L**	**2**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	2
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260D**	**1.0**		**1.0**	**0.40**	**ug/L**	**2**
Naphthalene	**91-20-3**	**8260D**	**7.3**		**1.0**	**0.40**	**ug/L**	**2**
tert-butyl alcohol (TBA)	**75-65-0**	**8260D**	**17**	**J**	**20**	**8.0**	**ug/L**	**2**
Toluene	**108-88-3**	**8260D**	**6.8**		**1.0**	**0.40**	**ug/L**	**2**
Xylenes (total)	**1330-20-7**	**8260D**	**2.3**		**1.0**	**0.40**	**ug/L**	**2**

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		95	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 0926	SAF	09/21/2022 0000	54786

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		102	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **XI16027-012**
Description: **07303 FB-2**
Matrix: **Aqueous**
Date Sampled: **09/13/2022 0810**
Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/19/2022 1252	CDA		54541

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		87	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		93	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 0937	DAL1	09/21/2022 0000	54786

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0051	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		127	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Description: **07303 DW-5**
Date Sampled: **09/13/2022 0835**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-013**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/19/2022 1625	CDA		54537

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		99	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 0947	DAL1	09/21/2022 0000	54786

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		85	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-014**

Description: **07303 DW-11** Matrix: **Aqueous**

Date Sampled: **09/13/2022 0919**

Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260D	1	09/22/2022 2223	SDC		55023

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260D**	**130**		**20**	**8.0**	**ug/L**	**2**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260D**	**9.9**	**J**	**10**	**0.42**	**ug/L**	**2**
Benzene	**71-43-2**	**8260D**	**16**		**1.0**	**0.40**	**ug/L**	**2**
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	2
1,2-Dichloroethane	**107-06-2**	**8260D**	**0.90**	**J**	**1.0**	**0.40**	**ug/L**	**2**
Diisopropyl ether (IPE)	**108-20-3**	**8260D**	**3.7**		**1.0**	**0.40**	**ug/L**	**2**
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	2
Ethanol	64-17-5	8260D	ND		100	52	ug/L	2
Ethylbenzene	**100-41-4**	**8260D**	**0.92**	**J**	**1.0**	**0.40**	**ug/L**	**2**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	2
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260D**	**30**		**1.0**	**0.40**	**ug/L**	**2**
Naphthalene	**91-20-3**	**8260D**	**1.4**		**1.0**	**0.40**	**ug/L**	**2**
tert-butyl alcohol (TBA)	**75-65-0**	**8260D**	**300**		**20**	**8.0**	**ug/L**	**2**
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	2
Xylenes (total)	**1330-20-7**	**8260D**	**0.47**	**J**	**1.0**	**0.40**	**ug/L**	**2**

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		97	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 0958	DAL1	09/21/2022 0000	54786

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	Q	0.019	0.0048	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	162	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-41**
Date Sampled: **09/13/2022 0933**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-015**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/19/2022 1550	CDA		54541

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		97	70-130
Bromofluorobenzene		96	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1009	DAL1	09/21/2022 0000	54786

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		126	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-39**
Date Sampled: **09/13/2022 1005**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-016**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/19/2022 1612	CDA		54541

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		97	70-130
Bromofluorobenzene		96	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1030	DAL1	09/21/2022 0000	54786

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		131	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-25**
Date Sampled: **09/13/2022 1028**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-017**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260D	5	09/22/2022 0747	SDC		54888

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260D**	**130**		**100**	**40**	**ug/L**	**2**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260D**	**2.2**	**J**	**50**	**2.1**	**ug/L**	**2**
Benzene	**71-43-2**	**8260D**	**48**		**5.0**	**2.0**	**ug/L**	**2**
tert-Butyl formate (TBF)	762-75-4	8260D	ND	S	25	10	ug/L	2
1,2-Dichloroethane	107-06-2	8260D	ND		5.0	2.0	ug/L	2
Diisopropyl ether (IPE)	108-20-3	8260D	ND		5.0	2.0	ug/L	2
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		100	40	ug/L	2
Ethanol	64-17-5	8260D	ND		500	260	ug/L	2
Ethylbenzene	**100-41-4**	**8260D**	**300**		**5.0**	**2.0**	**ug/L**	**2**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		5.0	2.0	ug/L	2
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260D**	**7.5**		**5.0**	**2.0**	**ug/L**	**2**
Naphthalene	**91-20-3**	**8260D**	**7.7**		**5.0**	**2.0**	**ug/L**	**2**
tert-butyl alcohol (TBA)	**75-65-0**	**8260D**	**130**		**100**	**40**	**ug/L**	**2**
Toluene	**108-88-3**	**8260D**	**5.8**		**5.0**	**2.0**	**ug/L**	**2**
Xylenes (total)	**1330-20-7**	**8260D**	**30**		**5.0**	**2.0**	**ug/L**	**2**

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		97	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1041	DAL1	09/21/2022 0000	54786

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.022	0.0054	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		80	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-24**
Date Sampled: **09/13/2022 1042**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-018**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	5	09/19/2022 1635	CDA		54541

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260D**	**110**		**100**	**40**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		50	2.1	ug/L	1
Benzene	71-43-2	8260D	ND		5.0	2.0	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND	S	25	10	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		5.0	2.0	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		5.0	2.0	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		100	40	ug/L	1
Ethanol	64-17-5	8260D	ND		500	260	ug/L	1
Ethylbenzene	**100-41-4**	**8260D**	**350**		**5.0**	**2.0**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		5.0	2.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		5.0	2.0	ug/L	1
Naphthalene	**91-20-3**	**8260D**	**140**		**5.0**	**2.0**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		100	40	ug/L	1
Toluene	**108-88-3**	**8260D**	**94**		**5.0**	**2.0**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260D**	**1200**		**5.0**	**2.0**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		96	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1051	DAL1	09/21/2022 0000	54786

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.018	0.0046	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		80	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **XI16027-019**
Description: **07303 MW-21**
Matrix: **Aqueous**
Date Sampled: **09/13/2022 1104**
Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1127	CDA		54657

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	**64-17-5**	**8260D**	**93**	**J**	**100**	**52**	**ug/L**	**1**
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		97	70-130
Bromofluorobenzene		97	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1102	DAL1	09/21/2022 0000	54786

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		98	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-14**
Date Sampled: **09/13/2022 1135**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-020**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1150	CDA		54657

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		95	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1123	DAL1	09/21/2022 0000	54786

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	Q	0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	139	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Description: **07303 DW-6**
Date Sampled: **09/13/2022 1206**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-021**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/19/2022 1650	CDA		54537

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	**64-17-5**	**8260D**	**190**		**100**	**52**	**ug/L**	**1**
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		100	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1134	DAL1	09/21/2022 0000	54786

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		114	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **XI16027-022**
Description: **07303 DW-1**
Matrix: **Aqueous**
Date Sampled: **09/13/2022 1230**
Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260D	1	09/22/2022 0635	SDC		54885

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260D**	**16**	**J**	**20**	**8.0**	**ug/L**	**2**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260D**	**0.96**	**J**	**10**	**0.42**	**ug/L**	**2**
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	2
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	2
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	2
Diisopropyl ether (IPE)	**108-20-3**	**8260D**	**1.1**		**1.0**	**0.40**	**ug/L**	**2**
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	2
Ethanol	**64-17-5**	**8260D**	**490**		**100**	**52**	**ug/L**	**2**
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	2
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	2
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260D**	**18**		**1.0**	**0.40**	**ug/L**	**2**
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	2
tert-butyl alcohol (TBA)	**75-65-0**	**8260D**	**23**		**20**	**8.0**	**ug/L**	**2**
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	2
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		96	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1145	DAL1	09/21/2022 0000	54786

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		106	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-13**
Date Sampled: **09/13/2022 1255**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-023**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260D	1	09/22/2022 2245	SDC		55023

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260D**	**17**	**J**	**20**	**8.0**	**ug/L**	**2**
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	2
Benzene	**71-43-2**	**8260D**	**0.82**	**J**	**1.0**	**0.40**	**ug/L**	**2**
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	2
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	2
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	2
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	2
Ethanol	64-17-5	8260D	ND		100	52	ug/L	2
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	2
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	2
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	2
tert-butyl alcohol (TBA)	**75-65-0**	**8260D**	**23**		**20**	**8.0**	**ug/L**	**2**
Toluene	**108-88-3**	**8260D**	**0.50**	**J**	**1.0**	**0.40**	**ug/L**	**2**
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		88	70-130
Toluene-d8		96	70-130
Bromofluorobenzene		96	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1156	DAL1	09/21/2022 0000	54786

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		100	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-11**
Date Sampled: **09/13/2022 1315**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-024**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1212	CDA		54657

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	**64-17-5**	**8260D**	**150**		**100**	**52**	**ug/L**	**1**
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		97	70-130
Bromofluorobenzene		93	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1207	DAL1	09/21/2022 0000	54786

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.021	0.0052	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		105	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-40**
Date Sampled: **09/13/2022 1450**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-025**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1235	CDA		54657

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		95	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1217	DAL1	09/21/2022 0000	54786

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		111	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-026**

Description: **07303 MW-42** Matrix: **Aqueous**

Date Sampled: **09/13/2022 1520**

Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1258	CDA		54657

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		98	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1228	DAL1	09/21/2022 0000	54786
2	8011	8011	1	09/29/2022 1653	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	Q	0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	35	57-137	H	93	57-137

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1228	DAL1	09/21/2022 0000	54786
2	8011	8011	1	09/29/2022 1653	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	H	0.019	0.0049	ug/L	2

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
Q = Surrogate failure
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
L = LCS/LCSD failure
H = Out of holding time
W = Reported on wet weight basis
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **XI16027-026**
Description: **07303 MW-42**
Matrix: **Aqueous**
Date Sampled: **09/13/2022 1520**
Date Received: **09/15/2022**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	35	57-137	H	93	57-137

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
ND = Not detected at or above the DL	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and ≥ DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Pace Analytical Services, LLC *(formerly Shealy Environmental Services, Inc.)*
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-12**
Date Sampled: **09/13/2022 1550**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-027**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1320	CDA		54657

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		97	70-130
Bromofluorobenzene		96	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1239	DAL1	09/21/2022 0000	54786

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		132	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-028**

Description: **07303 DW-10** Matrix: **Aqueous**

Date Sampled: **09/13/2022 1651**

Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1343	CDA		54657

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	**64-17-5**	**8260D**	**330**		**100**	**52**	**ug/L**	**1**
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		96	70-130
Bromofluorobenzene		95	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1249	DAL1	09/21/2022 0000	54786

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		109	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Client: **Terry Environmental Services, Inc.**
Description: **07303 DW-9**
Date Sampled: **09/13/2022 1703**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-029**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1406	CDA		54657

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		98	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1300	DAL1	09/21/2022 0000	54786

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		110	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-37**
Date Sampled: **09/13/2022 1720**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-030**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1428	CDA		54657

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		93	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1311	DAL1	09/21/2022 0000	54786

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		102	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-031**

Description: **07303 MW-38** Matrix: **Aqueous**

Date Sampled: **09/13/2022 1745**

Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1451	CDA		54657

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		97	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1449	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1704	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	QL	0.019	0.0048	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	3.4	57-137	H	94	57-137

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1449	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1704	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	H	0.019	0.0049	ug/L	2

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
Q = Surrogate failure
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
L = LCS/LCSD failure
H = Out of holding time
W = Reported on wet weight basis
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-031**

Description: **07303 MW-38** Matrix: **Aqueous**

Date Sampled: **09/13/2022 1745**

Date Received: **09/15/2022**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	3.4	57-137	H	94	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
Q = Surrogate failure
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
L = LCS/LCSD failure
H = Out of holding time
W = Reported on wet weight basis
S = MS/MSD failure

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-032**

Description: **07303 MW-36** Matrix: **Aqueous**

Date Sampled: **09/13/2022 1810**

Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1513	CDA		54657

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		94	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1459	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1715	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	QL	0.019	0.0048	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	0.00	57-137	H	97	57-137

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1459	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1715	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	H	0.019	0.0048	ug/L	2

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
Q = Surrogate failure
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
L = LCS/LCSD failure
H = Out of holding time
W = Reported on wet weight basis
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-032**

Description: **07303 MW-36** Matrix: **Aqueous**

Date Sampled: **09/13/2022 1810**

Date Received: **09/15/2022**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	0.00	57-137	H	97	57-137

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
ND = Not detected at or above the DL	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and ≥ DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-033**

Description: **07303 MW-34** Matrix: **Aqueous**

Date Sampled: **09/13/2022 1836**

Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1536	CDA		54657

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Toluene-d8		96	70-130
Bromofluorobenzene		95	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1510	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1725	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	QLS	0.019	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	4.9	57-137	H	105	57-137

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1510	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1725	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	H	0.019	0.0048	ug/L	2

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
Q = Surrogate failure
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
L = LCS/LCSD failure
H = Out of holding time
W = Reported on wet weight basis
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-033**

Description: **07303 MW-34** Matrix: **Aqueous**

Date Sampled: **09/13/2022 1836**

Date Received: **09/15/2022**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	4.9	57-137	H	105	57-137

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
ND = Not detected at or above the DL	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and ≥ DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-034**

Description: **07303 MW-35** Matrix: **Aqueous**

Date Sampled: **09/13/2022 1853**

Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1558	CDA		54657

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		97	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1532	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1736	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	QL	0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	7.8	57-137	H	99	57-137

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1532	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1736	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	H	0.020	0.0050	ug/L	2

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
Q = Surrogate failure
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
L = LCS/LCSD failure
H = Out of holding time
W = Reported on wet weight basis
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **XI16027-034**
Description: **07303 MW-35**
Matrix: **Aqueous**
Date Sampled: **09/13/2022 1853**
Date Received: **09/15/2022**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	7.8	57-137	H	99	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-035**

Description: **07303 FB-3** Matrix: **Aqueous**

Date Sampled: **09/14/2022 0805**

Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1105	CDA		54657

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		94	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1542	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1747	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	QL	0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	8.0	57-137		100	57-137

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1542	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1747	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	2

LOQ = Limit of Quantitation | B = Detected in the method blank | E = Quantitation of compound exceeded the calibration range | DL = Detection Limit | Q = Surrogate failure

ND = Not detected at or above the DL | N = Recovery is out of criteria | P = The RPD between two GC columns exceeds 40% | J = Estimated result < LOQ and ≥ DL | L = LCS/LCSD failure

H = Out of holding time | W = Reported on wet weight basis | S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **XI16027-035**
Description: **07303 FB-3**
Matrix: **Aqueous**
Date Sampled: **09/14/2022 0805**
Date Received: **09/15/2022**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	8.0	57-137		100	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-036**

Description: **07303 MW-31** Matrix: **Aqueous**

Date Sampled: **09/14/2022 0840**

Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1621	CDA		54657

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	**64-17-5**	**8260D**	**62**	**J**	**100**	**52**	**ug/L**	**1**
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Toluene-d8		97	70-130
Bromofluorobenzene		95	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1553	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1757	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	QL	0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	2.0	57-137		109	57-137

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1553	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1757	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	2

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
Q = Surrogate failure
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
L = LCS/LCSD failure
H = Out of holding time
W = Reported on wet weight basis
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **XI16027-036**
Description: **07303 MW-31**
Matrix: **Aqueous**
Date Sampled: **09/14/2022 0840**
Date Received: **09/15/2022**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	2.0	57-137		109	57-137

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
ND = Not detected at or above the DL	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and ≥ DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-037**

Description: **07303 MW-32** Matrix: **Aqueous**

Date Sampled: **09/14/2022 0846**

Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1643	CDA		54657

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		94	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1604	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1808	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	QL	0.019	0.0048	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	0.00	57-137		104	57-137

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1604	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1808	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0049	ug/L	2

LOQ = Limit of Quantitation | B = Detected in the method blank | E = Quantitation of compound exceeded the calibration range | DL = Detection Limit | Q = Surrogate failure

ND = Not detected at or above the DL | N = Recovery is out of criteria | P = The RPD between two GC columns exceeds 40% | J = Estimated result < LOQ and ≥ DL | L = LCS/LCSD failure

H = Out of holding time | W = Reported on wet weight basis | S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **XI16027-037**
Description: **07303 MW-32**
Matrix: **Aqueous**
Date Sampled: **09/14/2022 0846**
Date Received: **09/15/2022**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	0.00	57-137		104	57-137

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
ND = Not detected at or above the DL	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and ≥ DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-038**
Description: **07303 MW-33** Matrix: **Aqueous**
Date Sampled: **09/14/2022 0857**
Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1705	CDA		54657

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		96	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1615	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1819	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	QL	0.019	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	5.3	57-137		100	57-137

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1615	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1819	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	2

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **XI16027-038**
Description: **07303 MW-33**
Matrix: **Aqueous**
Date Sampled: **09/14/2022 0857**
Date Received: **09/15/2022**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	5.3	57-137		100	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-039**

Description: **07303 MW-5R** Matrix: **Aqueous**

Date Sampled: **09/14/2022 1000**

Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1728	CDA		54657

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		96	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1636	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1830	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	QL	0.019	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	4.5	57-137		105	57-137

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1636	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1830	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	2

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
Q = Surrogate failure
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
L = LCS/LCSD failure
H = Out of holding time
W = Reported on wet weight basis
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-039**

Description: **07303 MW-5R** Matrix: **Aqueous**

Date Sampled: **09/14/2022 1000**

Date Received: **09/15/2022**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	4.5	57-137		105	57-137

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
ND = Not detected at or above the DL	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and ≥ DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-040**

Description: **07303 MW-30** Matrix: **Aqueous**

Date Sampled: **09/14/2022 1035**

Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1750	CDA		54657

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		97	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1647	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1841	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	QL	0.019	0.0048	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	4.6	57-137		99	57-137

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1647	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1841	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	2

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
Q = Surrogate failure
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
L = LCS/LCSD failure
H = Out of holding time
W = Reported on wet weight basis
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **XI16027-040**
Description: **07303 MW-30**
Matrix: **Aqueous**
Date Sampled: **09/14/2022 1035**
Date Received: **09/15/2022**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	4.6	57-137		99	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-041**

Description: **07303 MW-3** Matrix: **Aqueous**

Date Sampled: **09/14/2022 1103**

Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1330	BBW		54641

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		98	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1657	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1851	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	QL	0.020	0.0050	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	7.7	57-137		100	57-137

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1657	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1851	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0049	ug/L	2

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
Q = Surrogate failure
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
L = LCS/LCSD failure
H = Out of holding time
W = Reported on wet weight basis
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-041**

Description: **07303 MW-3** Matrix: **Aqueous**

Date Sampled: **09/14/2022 1103**

Date Received: **09/15/2022**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	7.7	57-137		100	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
Q = Surrogate failure
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
L = LCS/LCSD failure
H = Out of holding time
W = Reported on wet weight basis
S = MS/MSD failure

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-042**

Description: **07303 MW-16** Matrix: **Aqueous**

Date Sampled: **09/14/2022 1129**

Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1355	BBW		54641

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	**71-43-2**	**8260D**	**0.51**	**J**	**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260D**	**1.0**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260D**	**1.1**		**1.0**	**0.40**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		97	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1708	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1902	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	QL	0.020	0.0051	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	8.6	57-137		94	57-137

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1708	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1902	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	2

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
Q = Surrogate failure
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
L = LCS/LCSD failure
H = Out of holding time
W = Reported on wet weight basis
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-16**
Date Sampled: **09/14/2022 1129**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-042**
Matrix: **Aqueous**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	8.6	57-137		94	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-043**

Description: **07303 MW-18** Matrix: **Aqueous**

Date Sampled: **09/14/2022 1151**

Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1420	BBW		54641

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260D**	**1.1**	**J**	**10**	**0.42**	**ug/L**	**1**
Benzene	**71-43-2**	**8260D**	**1.8**		**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	**108-20-3**	**8260D**	**0.50**	**J**	**1.0**	**0.40**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	**100-41-4**	**8260D**	**0.55**	**J**	**1.0**	**0.40**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260D**	**7.7**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260D**	**1.2**		**1.0**	**0.40**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260D**	**43**		**20**	**8.0**	**ug/L**	**1**
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	**1330-20-7**	**8260D**	**0.53**	**J**	**1.0**	**0.40**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		97	70-130
Bromofluorobenzene		98	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1719	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1913	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	QL	0.020	0.0050	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	5.2	57-137		104	57-137

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1719	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1913	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0049	ug/L	2

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
Q = Surrogate failure
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
L = LCS/LCSD failure
H = Out of holding time
W = Reported on wet weight basis
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-043**

Description: **07303 MW-18** Matrix: **Aqueous**

Date Sampled: **09/14/2022 1151**

Date Received: **09/15/2022**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	5.2	57-137		104	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
Q = Surrogate failure
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
L = LCS/LCSD failure
H = Out of holding time
W = Reported on wet weight basis
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-044**

Description: **07303 MW-17** Matrix: **Aqueous**

Date Sampled: **09/14/2022 1209**

Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1445	BBW		54641

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260D**	**0.80**	**J**	**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260D**	**1.1**		**1.0**	**0.40**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		98	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1730	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1923	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	QL	0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	6.7	57-137		103	57-137

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1730	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1923	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0049	ug/L	2

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
Q = Surrogate failure
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
L = LCS/LCSD failure
H = Out of holding time
W = Reported on wet weight basis
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **XI16027-044**
Description: **07303 MW-17**
Matrix: **Aqueous**
Date Sampled: **09/14/2022 1209**
Date Received: **09/15/2022**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	6.7	57-137		103	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-045**

Description: **07303 DW-3** Matrix: **Aqueous**

Date Sampled: **09/14/2022 1333**

Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1510	BBW		54641

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	**71-43-2**	**8260D**	**0.87**	**J**	**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260D**	**1.6**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		98	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1741	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1934	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	QL	0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	3.9	57-137		78	57-137

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1741	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1934	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	2

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
Q = Surrogate failure
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
L = LCS/LCSD failure
H = Out of holding time
W = Reported on wet weight basis
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-045**

Description: **07303 DW-3** Matrix: **Aqueous**

Date Sampled: **09/14/2022 1333**

Date Received: **09/15/2022**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	3.9	57-137		78	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
Q = Surrogate failure
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
L = LCS/LCSD failure
H = Out of holding time
W = Reported on wet weight basis
S = MS/MSD failure

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-046**

Description: **07303 DW-7** Matrix: **Aqueous**

Date Sampled: **09/14/2022 1404**

Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1535	BBW		54641

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	**64-17-5**	**8260D**	**68**	**J**	**100**	**52**	**ug/L**	**1**
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260D**	**4.2**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		98	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1751	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1945	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	QL	0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	7.2	57-137		99	57-137

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1751	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1945	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0051	ug/L	2

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
Q = Surrogate failure
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
L = LCS/LCSD failure
H = Out of holding time
W = Reported on wet weight basis
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **XI16027-046**
Description: **07303 DW-7**
Matrix: **Aqueous**
Date Sampled: **09/14/2022 1404**
Date Received: **09/15/2022**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	7.2	57-137		99	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-047**

Description: **07303 DW-2** Matrix: **Aqueous**

Date Sampled: **09/14/2022 1436**

Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1600	BBW		54641

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	**64-17-5**	**8260D**	**100**		**100**	**52**	**ug/L**	**1**
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		100	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1802	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1955	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	QL	0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	6.6	57-137		98	57-137

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1802	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 1955	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	2

LOQ = Limit of Quantitation | B = Detected in the method blank | E = Quantitation of compound exceeded the calibration range | DL = Detection Limit | Q = Surrogate failure

ND = Not detected at or above the DL | N = Recovery is out of criteria | P = The RPD between two GC columns exceeds 40% | J = Estimated result < LOQ and ≥ DL | L = LCS/LCSD failure

H = Out of holding time | W = Reported on wet weight basis | S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **XI16027-047**
Description: **07303 DW-2**
Matrix: **Aqueous**
Date Sampled: **09/14/2022 1436**
Date Received: **09/15/2022**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	6.6	57-137		98	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-048**

Description: **07303 RW-4** Matrix: **Aqueous**

Date Sampled: **09/14/2022 1505**

Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1625	BBW		54641

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	**100-41-4**	**8260D**	**0.55**	**J**	**1.0**	**0.40**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260D**	**1.5**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		100	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1813	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 2006	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	QL	0.022	0.0055	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	7.2	57-137		113	57-137

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1813	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 2006	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	2

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
Q = Surrogate failure
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
L = LCS/LCSD failure
H = Out of holding time
W = Reported on wet weight basis
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-048**

Description: **07303 RW-4** Matrix: **Aqueous**

Date Sampled: **09/14/2022 1505**

Date Received: **09/15/2022**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	7.2	57-137		113	57-137

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
Q = Surrogate failure
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
L = LCS/LCSD failure
H = Out of holding time
W = Reported on wet weight basis
S = MS/MSD failure

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Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-049**

Description: **07303 MW-29** Matrix: **Aqueous**

Date Sampled: **09/14/2022 1524**

Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/20/2022 1650	BBW		54641

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260D**	**37**		**20**	**8.0**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	**71-43-2**	**8260D**	**2.3**		**1.0**	**0.40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	**107-06-2**	**8260D**	**0.75**	**J**	**1.0**	**0.40**	**ug/L**	**1**
Diisopropyl ether (IPE)	**108-20-3**	**8260D**	**1.4**		**1.0**	**0.40**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	**100-41-4**	**8260D**	**4.5**		**1.0**	**0.40**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260D**	**3.0**		**1.0**	**0.40**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260D**	**3.1**		**1.0**	**0.40**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260D**	**16**	**J**	**20**	**8.0**	**ug/L**	**1**
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	**1330-20-7**	**8260D**	**13**		**1.0**	**0.40**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		97	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1824	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 2017	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	QL	0.019	0.0048	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	4.1	57-137		98	57-137

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/23/2022 1824	DAL1	09/22/2022 1718	54977
2	8011	8011	1	09/29/2022 2017	SAF	09/28/2022 1736	55542

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	2

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
DL = Detection Limit
Q = Surrogate failure
ND = Not detected at or above the DL
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
L = LCS/LCSD failure
H = Out of holding time
W = Reported on wet weight basis
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-049**

Description: **07303 MW-29** Matrix: **Aqueous**

Date Sampled: **09/14/2022 1524**

Date Received: **09/15/2022**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	4.1	57-137		98	57-137

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
ND = Not detected at or above the DL	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and ≥ DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

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Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-15**
Date Sampled: **09/14/2022 1555**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-050**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	10	09/20/2022 1740	BBW		54641

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260D**	**230**		**200**	**80**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260D**	**6.0**	**J**	**100**	**4.2**	**ug/L**	**1**
Benzene	**71-43-2**	**8260D**	**120**		**10**	**4.0**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260D	ND		50	20	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		10	4.0	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		10	4.0	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		200	80	ug/L	1
Ethanol	64-17-5	8260D	ND		1000	520	ug/L	1
Ethylbenzene	**100-41-4**	**8260D**	**640**		**10**	**4.0**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		10	4.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260D**	**19**		**10**	**4.0**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260D**	**310**		**10**	**4.0**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260D**	**590**		**200**	**80**	**ug/L**	**1**
Toluene	**108-88-3**	**8260D**	**39**		**10**	**4.0**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260D**	**1400**		**10**	**4.0**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		99	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	8011	8011	1	09/29/2022 1032	SAF	09/28/2022 1913	55543

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		85	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **XI16027-051**
Description: **07303 MW-27**
Matrix: **Aqueous**
Date Sampled: **09/14/2022 1620**
Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	20	09/20/2022 1804	BBW		54641

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		400	160	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		200	8.4	ug/L	1
Benzene	**71-43-2**	**8260D**	**34**		**20**	**8.0**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260D	ND		100	40	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		20	8.0	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		20	8.0	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		400	160	ug/L	1
Ethanol	64-17-5	8260D	ND		2000	1000	ug/L	1
Ethylbenzene	**100-41-4**	**8260D**	**1400**		**20**	**8.0**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		20	8.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		20	8.0	ug/L	1
Naphthalene	**91-20-3**	**8260D**	**560**		**20**	**8.0**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		400	160	ug/L	1
Toluene	**108-88-3**	**8260D**	**23**		**20**	**8.0**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260D**	**3500**		**20**	**8.0**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		97	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/24/2022 0028	DAL1	09/22/2022 2219	55020

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		78	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-052**

Description: **07303 MW-27 dup** Matrix: **Aqueous**

Date Sampled: **09/14/2022 1622**

Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	20	09/21/2022 1405	JWO		54821

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		400	160	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		200	8.4	ug/L	1
Benzene	**71-43-2**	**8260D**	**36**		**20**	**8.0**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260D	ND		100	40	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		20	8.0	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		20	8.0	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		400	160	ug/L	1
Ethanol	64-17-5	8260D	ND		2000	1000	ug/L	1
Ethylbenzene	**100-41-4**	**8260D**	**1400**		**20**	**8.0**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		20	8.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		20	8.0	ug/L	1
Naphthalene	**91-20-3**	**8260D**	**570**		**20**	**8.0**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		400	160	ug/L	1
Toluene	**108-88-3**	**8260D**	**22**		**20**	**8.0**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260D**	**3600**		**20**	**8.0**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		100	70-130
Bromofluorobenzene		98	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/24/2022 0039	DAL1	09/22/2022 2219	55020

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		86	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-19**
Date Sampled: **09/14/2022 1650**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-053**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	100	09/21/2022 1635	JWO		54821

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260D**	**1000**	**J**	**2000**	**800**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260D**	**150**	**J**	**1000**	**42**	**ug/L**	**1**
Benzene	**71-43-2**	**8260D**	**830**		**100**	**40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260D	ND		500	200	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		100	40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		100	40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		2000	800	ug/L	1
Ethanol	64-17-5	8260D	ND		10000	5200	ug/L	1
Ethylbenzene	**100-41-4**	**8260D**	**3000**		**100**	**40**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		100	40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260D**	**550**		**100**	**40**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260D**	**1100**		**100**	**40**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260D**	**6200**		**2000**	**800**	**ug/L**	**1**
Toluene	**108-88-3**	**8260D**	**10000**		**100**	**40**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260D**	**17000**		**100**	**40**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		97	70-130
Bromofluorobenzene		97	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/24/2022 0100	DAL1	09/22/2022 2219	55020

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**0.51**		**0.020**	**0.0049**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		120	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-9**
Date Sampled: **09/14/2022 1737**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-054**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260D	5	09/23/2022 0443	SDC		55023

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260D**	**270**		**100**	**40**	**ug/L**	**2**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260D**	**32**	**J**	**50**	**2.1**	**ug/L**	**2**
Benzene	**71-43-2**	**8260D**	**350**		**5.0**	**2.0**	**ug/L**	**2**
tert-Butyl formate (TBF)	762-75-4	8260D	ND		25	10	ug/L	2
1,2-Dichloroethane	107-06-2	8260D	ND		5.0	2.0	ug/L	2
Diisopropyl ether (IPE)	**108-20-3**	**8260D**	**27**		**5.0**	**2.0**	**ug/L**	**2**
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		100	40	ug/L	2
Ethanol	64-17-5	8260D	ND		500	260	ug/L	2
Ethylbenzene	**100-41-4**	**8260D**	**310**		**5.0**	**2.0**	**ug/L**	**2**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		5.0	2.0	ug/L	2
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260D**	**680**		**5.0**	**2.0**	**ug/L**	**2**
Naphthalene	**91-20-3**	**8260D**	**110**		**5.0**	**2.0**	**ug/L**	**2**
tert-butyl alcohol (TBA)	**75-65-0**	**8260D**	**550**		**100**	**40**	**ug/L**	**2**
Toluene	**108-88-3**	**8260D**	**23**		**5.0**	**2.0**	**ug/L**	**2**
Xylenes (total)	**1330-20-7**	**8260D**	**31**		**5.0**	**2.0**	**ug/L**	**2**

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Toluene-d8		97	70-130
Bromofluorobenzene		95	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/24/2022 0111	DAL1	09/22/2022 2219	55020

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		79	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Description: **07303 MW-20**
Date Sampled: **09/14/2022 1801**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-055**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	50	09/21/2022 1520	JWO		54821

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260D**	**610**	**J**	**1000**	**400**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		500	21	ug/L	1
Benzene	**71-43-2**	**8260D**	**140**		**50**	**20**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260D	ND		250	100	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		50	20	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		50	20	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		1000	400	ug/L	1
Ethanol	64-17-5	8260D	ND		5000	2600	ug/L	1
Ethylbenzene	**100-41-4**	**8260D**	**2000**		**50**	**20**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		50	20	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260D**	**41**	**J**	**50**	**20**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260D**	**1100**		**50**	**20**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260D**	**2200**		**1000**	**400**	**ug/L**	**1**
Toluene	**108-88-3**	**8260D**	**220**		**50**	**20**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260D**	**9000**		**50**	**20**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		99	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/24/2022 0132	DAL1	09/22/2022 2219	55020

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		97	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-056**

Description: **07303 RW-2** Matrix: **Aqueous**

Date Sampled: **09/14/2022 1815**

Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	50	09/21/2022 1545	JWO		54821

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260D**	**570**	**J**	**1000**	**400**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		500	21	ug/L	1
Benzene	**71-43-2**	**8260D**	**290**		**50**	**20**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260D	ND		250	100	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		50	20	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		50	20	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		1000	400	ug/L	1
Ethanol	64-17-5	8260D	ND		5000	2600	ug/L	1
Ethylbenzene	**100-41-4**	**8260D**	**2400**		**50**	**20**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		50	20	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260D**	**48**	**J**	**50**	**20**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260D**	**840**		**50**	**20**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260D**	**1700**		**1000**	**400**	**ug/L**	**1**
Toluene	**108-88-3**	**8260D**	**96**		**50**	**20**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260D**	**9500**		**50**	**20**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Toluene-d8		101	70-130
Bromofluorobenzene		100	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/24/2022 0143	DAL1	09/22/2022 2219	55020

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		95	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Description: **07303 RW-2 dup**
Date Sampled: **09/14/2022 1817**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-057**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	100	09/21/2022 1659	JWO		54821

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		2000	800	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		1000	42	ug/L	1
Benzene	**71-43-2**	**8260D**	**280**		**100**	**40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260D	ND		500	200	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		100	40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		100	40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		2000	800	ug/L	1
Ethanol	64-17-5	8260D	ND		10000	5200	ug/L	1
Ethylbenzene	**100-41-4**	**8260D**	**2300**		**100**	**40**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		100	40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260D**	**50**	**J**	**100**	**40**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260D**	**830**		**100**	**40**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260D**	**1700**	**J**	**2000**	**800**	**ug/L**	**1**
Toluene	**108-88-3**	**8260D**	**110**		**100**	**40**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260D**	**9300**		**100**	**40**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		101	70-130
Bromofluorobenzene		101	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/24/2022 0154	DAL1	09/22/2022 2219	55020

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**0.010**	**J**	**0.020**	**0.0049**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		98	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.** Laboratory ID: **XI16027-058**

Description: **07303 RW-3** Matrix: **Aqueous**

Date Sampled: **09/14/2022 1840**

Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	100	09/21/2022 1724	JWO		54821

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260D**	**980**	**J**	**2000**	**800**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		1000	42	ug/L	1
Benzene	**71-43-2**	**8260D**	**190**		**100**	**40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260D	ND		500	200	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		100	40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		100	40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		2000	800	ug/L	1
Ethanol	64-17-5	8260D	ND		10000	5200	ug/L	1
Ethylbenzene	**100-41-4**	**8260D**	**1700**		**100**	**40**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		100	40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260D**	**170**		**100**	**40**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260D**	**560**		**100**	**40**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260D**	**4300**		**2000**	**800**	**ug/L**	**1**
Toluene	**108-88-3**	**8260D**	**190**		**100**	**40**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260D**	**4200**		**100**	**40**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		100	70-130
Bromofluorobenzene		97	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/24/2022 0204	DAL1	09/22/2022 2219	55020

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		99	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Description: **07303 RW-3 dup**
Date Sampled: **09/14/2022 1842**
Date Received: **09/15/2022**

Laboratory ID: **XI16027-059**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	100	09/21/2022 1749	JWO		54821

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		2000	800	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		1000	42	ug/L	1
Benzene	**71-43-2**	**8260D**	**130**		**100**	**40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260D	ND		500	200	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		100	40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		100	40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		2000	800	ug/L	1
Ethanol	64-17-5	8260D	ND		10000	5200	ug/L	1
Ethylbenzene	**100-41-4**	**8260D**	**1600**		**100**	**40**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		100	40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260D**	**98**	**J**	**100**	**40**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260D**	**590**		**100**	**40**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260D**	**2900**		**2000**	**800**	**ug/L**	**1**
Toluene	**108-88-3**	**8260D**	**200**		**100**	**40**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260D**	**5500**		**100**	**40**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		97	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	09/24/2022 0215	DAL1	09/22/2022 2219	55020

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		108	57-137

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Client: **Terry Environmental Services, Inc.**
Laboratory ID: **XI16027-060**
Description: **07303 Trip Blank**
Matrix: **Aqueous**
Date Sampled: **09/14/2022**
Date Received: **09/15/2022**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	09/21/2022 1245	JWO		54821

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		94	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the DL
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Pace Analytical Services, LLC *(formerly Shealy Environmental Services, Inc.)*
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ54537-001
Batch: 54537
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	09/19/2022 1035
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	09/19/2022 1035
Benzene	ND		1	1.0	0.40	ug/L	09/19/2022 1035
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	09/19/2022 1035
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	09/19/2022 1035
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	09/19/2022 1035
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	09/19/2022 1035
Ethanol	ND		1	100	52	ug/L	09/19/2022 1035
Ethylbenzene	ND		1	1.0	0.40	ug/L	09/19/2022 1035
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	09/19/2022 1035
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	09/19/2022 1035
Naphthalene	ND		1	1.0	0.40	ug/L	09/19/2022 1035
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	09/19/2022 1035
Toluene	ND		1	1.0	0.40	ug/L	09/19/2022 1035
Xylenes (total)	ND		1	1.0	0.40	ug/L	09/19/2022 1035

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		96	70-130
Toluene-d8		100	70-130
Bromofluorobenzene		96	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ54537-002
Batch: 54537
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1100		1	107	70-130	09/19/2022 0924
tert-Amyl methyl ether (TAME)	50	51		1	101	70-130	09/19/2022 0924
Benzene	50	47		1	95	70-130	09/19/2022 0924
tert-Butyl formate (TBF)	250	280		1	112	70-130	09/19/2022 0924
1,2-Dichloroethane	50	48		1	96	70-130	09/19/2022 0924
Diisopropyl ether (IPE)	50	49		1	97	70-130	09/19/2022 0924
3,3-Dimethyl-1-butanol	1000	1100		1	108	70-130	09/19/2022 0924
Ethanol	5000	5200		1	104	70-130	09/19/2022 0924
Ethylbenzene	50	49		1	97	70-130	09/19/2022 0924
Ethyl-tert-butyl ether (ETBE)	50	51		1	102	70-130	09/19/2022 0924
Methyl tertiary butyl ether (MTBE)	50	50		1	99	70-130	09/19/2022 0924

LOQ = Limit of Quantitation
DL = Detection Limit
ND = Not detected at or above the DL
J = Estimated result < LOQ and ≥ DL
* = RSD is out of criteria
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ54537-002
Batch: 54537
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Naphthalene	50	50		1	99	70-130	09/19/2022 0924
tert-butyl alcohol (TBA)	1000	1000		1	105	70-130	09/19/2022 0924
Toluene	50	48		1	96	70-130	09/19/2022 0924
Xylenes (total)	100	97		1	97	70-130	09/19/2022 0924

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		95	70-130
Bromofluorobenzene		95	70-130

Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ54541-001
Batch: 54541
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	09/19/2022 1056
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	09/19/2022 1056
Benzene	ND		1	1.0	0.40	ug/L	09/19/2022 1056
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	09/19/2022 1056
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	09/19/2022 1056
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	09/19/2022 1056
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	09/19/2022 1056
Ethanol	ND		1	100	52	ug/L	09/19/2022 1056
Ethylbenzene	ND		1	1.0	0.40	ug/L	09/19/2022 1056
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	09/19/2022 1056
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	09/19/2022 1056
Naphthalene	ND		1	1.0	0.40	ug/L	09/19/2022 1056
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	09/19/2022 1056
Toluene	ND		1	1.0	0.40	ug/L	09/19/2022 1056
Xylenes (total)	ND		1	1.0	0.40	ug/L	09/19/2022 1056

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		87	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		97	70-130

LOQ = Limit of Quantitation
DL = Detection Limit
ND = Not detected at or above the DL
J = Estimated result < LOQ and ≥ DL
* = RSD is out of criteria
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ54541-002
Batch: 54541
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1100		1	107	70-130	09/19/2022 0955
tert-Amyl methyl ether (TAME)	50	51		1	102	70-130	09/19/2022 0955
Benzene	50	49		1	97	70-130	09/19/2022 0955
tert-Butyl formate (TBF)	250	320		1	128	70-130	09/19/2022 0955
1,2-Dichloroethane	50	44		1	88	70-130	09/19/2022 0955
Diisopropyl ether (IPE)	50	52		1	103	70-130	09/19/2022 0955
3,3-Dimethyl-1-butanol	1000	930		1	93	70-130	09/19/2022 0955
Ethanol	5000	4400		1	88	70-130	09/19/2022 0955
Ethylbenzene	50	48		1	96	70-130	09/19/2022 0955
Ethyl-tert-butyl ether (ETBE)	50	47		1	95	70-130	09/19/2022 0955
Methyl tertiary butyl ether (MTBE)	50	49		1	98	70-130	09/19/2022 0955
Naphthalene	50	49		1	98	70-130	09/19/2022 0955
tert-butyl alcohol (TBA)	1000	990		1	99	70-130	09/19/2022 0955
Toluene	50	49		1	97	70-130	09/19/2022 0955
Xylenes (total)	100	97		1	97	70-130	09/19/2022 0955

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		89	70-130
Toluene-d8		95	70-130
Bromofluorobenzene		91	70-130

Volatile Organic Compounds by GC/MS - MS

Sample ID: XI16027-018MS
Batch: 54541
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	110	5000	5300		5	103	70-130	09/19/2022 1849
tert-Amyl methyl ether (TAME)	ND	250	260		5	102	70-130	09/19/2022 1849
Benzene	ND	250	270		5	110	70-130	09/19/2022 1849
tert-Butyl formate (TBF)	ND	1300	210	N	5	17	70-130	09/19/2022 1849
1,2-Dichloroethane	ND	250	250		5	98	70-130	09/19/2022 1849
Diisopropyl ether (IPE)	ND	250	280		5	110	70-130	09/19/2022 1849
3,3-Dimethyl-1-butanol	ND	5000	4700		5	94	70-130	09/19/2022 1849
Ethanol	ND	25000	23000		5	90	70-130	09/19/2022 1849
Ethylbenzene	350	250	600		5	101	70-130	09/19/2022 1849
Ethyl-tert-butyl ether (ETBE)	ND	250	250		5	100	70-130	09/19/2022 1849
Methyl tertiary butyl ether (MTBE)	ND	250	250		5	102	70-130	09/19/2022 1849

LOQ = Limit of Quantitation
DL = Detection Limit
ND = Not detected at or above the DL
J = Estimated result < LOQ and ≥ DL
* = RSD is out of criteria
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: XI16027-018MS
Batch: 54541
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Naphthalene	140	250	390		5	100	70-130	09/19/2022 1849
tert-butyl alcohol (TBA)	ND	5000	5400		5	107	70-130	09/19/2022 1849
Toluene	94	250	360		5	107	70-130	09/19/2022 1849
Xylenes (total)	1200	500	1700		5	98	70-130	09/19/2022 1849

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		105	70-130
Bromofluorobenzene		99	70-130

Volatile Organic Compounds by GC/MS - MSD

Sample ID: XI16027-018MD
Batch: 54541
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	110	5000	5100		5	100	3.5	70-130	20	09/19/2022 1911
tert-Amyl methyl ether (TAME)	ND	250	250		5	99	3.5	70-130	20	09/19/2022 1911
Benzene	ND	250	270		5	107	2.4	70-130	20	09/19/2022 1911
tert-Butyl formate (TBF)	ND	1300	190	N	5	15	12	70-130	20	09/19/2022 1911
1,2-Dichloroethane	ND	250	240		5	95	2.7	70-130	20	09/19/2022 1911
Diisopropyl ether (IPE)	ND	250	270		5	108	2.0	70-130	20	09/19/2022 1911
3,3-Dimethyl-1-butanol	ND	5000	4800		5	95	1.8	70-130	20	09/19/2022 1911
Ethanol	ND	25000	22000		5	89	1.4	70-130	20	09/19/2022 1911
Ethylbenzene	350	250	580		5	95	2.8	70-130	20	09/19/2022 1911
Ethyl-tert-butyl ether (ETBE)	ND	250	240		5	96	3.4	70-130	20	09/19/2022 1911
Methyl tertiary butyl ether (MTBE)	ND	250	250		5	99	2.8	70-130	20	09/19/2022 1911
Naphthalene	140	250	410		5	107	4.0	70-130	20	09/19/2022 1911
tert-butyl alcohol (TBA)	ND	5000	5300		5	105	2.0	70-130	20	09/19/2022 1911
Toluene	94	250	350		5	103	2.8	70-130	20	09/19/2022 1911
Xylenes (total)	1200	500	1600		5	87	3.1	70-130	20	09/19/2022 1911

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		102	70-130
Bromofluorobenzene		95	70-130

LOQ = Limit of Quantitation
DL = Detection Limit
ND = Not detected at or above the DL
J = Estimated result < LOQ and ≥ DL
* = RSD is out of criteria
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ54641-001
Batch: 54641
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	09/20/2022 1012
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	09/20/2022 1012
Benzene	ND		1	1.0	0.40	ug/L	09/20/2022 1012
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	09/20/2022 1012
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	09/20/2022 1012
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	09/20/2022 1012
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	09/20/2022 1012
Ethanol	ND		1	100	52	ug/L	09/20/2022 1012
Ethylbenzene	ND		1	1.0	0.40	ug/L	09/20/2022 1012
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	09/20/2022 1012
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	09/20/2022 1012
Naphthalene	ND		1	1.0	0.40	ug/L	09/20/2022 1012
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	09/20/2022 1012
Toluene	ND		1	1.0	0.40	ug/L	09/20/2022 1012
Xylenes (total)	ND		1	1.0	0.40	ug/L	09/20/2022 1012

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		100	70-130
Bromofluorobenzene		98	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ54641-002
Batch: 54641
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1000		1	102	70-130	09/20/2022 0906
tert-Amyl methyl ether (TAME)	50	49		1	98	70-130	09/20/2022 0906
Benzene	50	50		1	99	70-130	09/20/2022 0906
tert-Butyl formate (TBF)	250	240		1	98	70-130	09/20/2022 0906
1,2-Dichloroethane	50	51		1	103	70-130	09/20/2022 0906
Diisopropyl ether (IPE)	50	50		1	100	70-130	09/20/2022 0906
3,3-Dimethyl-1-butanol	1000	1100		1	106	70-130	09/20/2022 0906
Ethanol	5000	5200		1	103	70-130	09/20/2022 0906
Ethylbenzene	50	51		1	103	70-130	09/20/2022 0906
Ethyl-tert-butyl ether (ETBE)	50	48		1	97	70-130	09/20/2022 0906
Methyl tertiary butyl ether (MTBE)	50	46		1	93	70-130	09/20/2022 0906

LOQ = Limit of Quantitation
DL = Detection Limit
ND = Not detected at or above the DL
J = Estimated result < LOQ and ≥ DL
* = RSD is out of criteria
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ54641-002
Batch: 54641
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Naphthalene	50	51		1	101	70-130	09/20/2022 0906
tert-butyl alcohol (TBA)	1000	1000		1	102	70-130	09/20/2022 0906
Toluene	50	50		1	99	70-130	09/20/2022 0906
Xylenes (total)	100	100		1	101	70-130	09/20/2022 0906

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		102	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		99	70-130

Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ54657-001
Batch: 54657
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	09/20/2022 0957
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	09/20/2022 0957
Benzene	ND		1	1.0	0.40	ug/L	09/20/2022 0957
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	09/20/2022 0957
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	09/20/2022 0957
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	09/20/2022 0957
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	09/20/2022 0957
Ethanol	ND		1	100	52	ug/L	09/20/2022 0957
Ethylbenzene	ND		1	1.0	0.40	ug/L	09/20/2022 0957
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	09/20/2022 0957
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	09/20/2022 0957
Naphthalene	ND		1	1.0	0.40	ug/L	09/20/2022 0957
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	09/20/2022 0957
Toluene	ND		1	1.0	0.40	ug/L	09/20/2022 0957
Xylenes (total)	ND		1	1.0	0.40	ug/L	09/20/2022 0957

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		89	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		97	70-130

LOQ = Limit of Quantitation
DL = Detection Limit
ND = Not detected at or above the DL
J = Estimated result < LOQ and ≥ DL
* = RSD is out of criteria
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ54657-002
Batch: 54657
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1000		1	102	70-130	09/20/2022 0858
tert-Amyl methyl ether (TAME)	50	42		1	84	70-130	09/20/2022 0858
Benzene	50	47		1	94	70-130	09/20/2022 0858
tert-Butyl formate (TBF)	250	250		1	102	70-130	09/20/2022 0858
1,2-Dichloroethane	50	43		1	85	70-130	09/20/2022 0858
Diisopropyl ether (IPE)	50	49		1	98	70-130	09/20/2022 0858
3,3-Dimethyl-1-butanol	1000	910		1	91	70-130	09/20/2022 0858
Ethanol	5000	4500		1	90	70-130	09/20/2022 0858
Ethylbenzene	50	46		1	92	70-130	09/20/2022 0858
Ethyl-tert-butyl ether (ETBE)	50	41		1	82	70-130	09/20/2022 0858
Methyl tertiary butyl ether (MTBE)	50	42		1	83	70-130	09/20/2022 0858
Naphthalene	50	46		1	93	70-130	09/20/2022 0858
tert-butyl alcohol (TBA)	1000	940		1	94	70-130	09/20/2022 0858
Toluene	50	46		1	93	70-130	09/20/2022 0858
Xylenes (total)	100	92		1	92	70-130	09/20/2022 0858

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		88	70-130
Toluene-d8		92	70-130
Bromofluorobenzene		88	70-130

Volatile Organic Compounds by GC/MS - MS

Sample ID: XI16027-023MS
Batch: 54657
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	ND	5000	4900		5	98	70-130	09/20/2022 1834
tert-Amyl methyl ether (TAME)	ND	250	280		5	112	70-130	09/20/2022 1834
Benzene	ND	250	270		5	109	70-130	09/20/2022 1834
tert-Butyl formate (TBF)	ND	1300	220	N	5	18	70-130	09/20/2022 1834
1,2-Dichloroethane	ND	250	250		5	99	70-130	09/20/2022 1834
Diisopropyl ether (IPE)	ND	250	280		5	111	70-130	09/20/2022 1834
3,3-Dimethyl-1-butanol	ND	5000	4900		5	99	70-130	09/20/2022 1834
Ethanol	ND	25000	22000		5	88	70-130	09/20/2022 1834
Ethylbenzene	ND	250	250		5	101	70-130	09/20/2022 1834
Ethyl-tert-butyl ether (ETBE)	ND	250	280		5	111	70-130	09/20/2022 1834
Methyl tertiary butyl ether (MTBE)	ND	250	270		5	110	70-130	09/20/2022 1834

LOQ = Limit of Quantitation
DL = Detection Limit
ND = Not detected at or above the DL
J = Estimated result < LOQ and ≥ DL
* = RSD is out of criteria
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: XI16027-023MS
Batch: 54657
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Naphthalene	ND	250	250		5	101	70-130	09/20/2022 1834
tert-butyl alcohol (TBA)	ND	5000	5200		5	104	70-130	09/20/2022 1834
Toluene	ND	250	260		5	103	70-130	09/20/2022 1834
Xylenes (total)	ND	500	510		5	101	70-130	09/20/2022 1834

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		93	70-130

Volatile Organic Compounds by GC/MS - MSD

Sample ID: XI16027-023MD
Batch: 54657
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	ND	5000	5000		5	101	2.9	70-130	20	09/20/2022 1857
tert-Amyl methyl ether (TAME)	ND	250	260		5	104	7.5	70-130	20	09/20/2022 1857
Benzene	ND	250	270		5	110	0.13	70-130	20	09/20/2022 1857
tert-Butyl formate (TBF)	ND	1300	200	N	5	16	12	70-130	20	09/20/2022 1857
1,2-Dichloroethane	ND	250	250		5	100	0.42	70-130	20	09/20/2022 1857
Diisopropyl ether (IPE)	ND	250	280		5	110	0.36	70-130	20	09/20/2022 1857
3,3-Dimethyl-1-butanol	ND	5000	4900		5	97	1.7	70-130	20	09/20/2022 1857
Ethanol	ND	25000	24000		5	97	9.8	70-130	20	09/20/2022 1857
Ethylbenzene	ND	250	260		5	103	1.3	70-130	20	09/20/2022 1857
Ethyl-tert-butyl ether (ETBE)	ND	250	260		5	103	7.9	70-130	20	09/20/2022 1857
Methyl tertiary butyl ether (MTBE)	ND	250	250		5	100	8.9	70-130	20	09/20/2022 1857
Naphthalene	ND	250	250		5	101	0.13	70-130	20	09/20/2022 1857
tert-butyl alcohol (TBA)	ND	5000	5300		5	107	2.9	70-130	20	09/20/2022 1857
Toluene	ND	250	260		5	105	1.5	70-130	20	09/20/2022 1857
Xylenes (total)	ND	500	510		5	102	0.90	70-130	20	09/20/2022 1857

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		101	70-130
Bromofluorobenzene		92	70-130

LOQ = Limit of Quantitation
DL = Detection Limit
ND = Not detected at or above the DL
J = Estimated result < LOQ and ≥ DL
* = RSD is out of criteria
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ54821-001
Batch: 54821
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	09/21/2022 1124
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	09/21/2022 1124
Benzene	ND		1	1.0	0.40	ug/L	09/21/2022 1124
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	09/21/2022 1124
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	09/21/2022 1124
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	09/21/2022 1124
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	09/21/2022 1124
Ethanol	ND		1	100	52	ug/L	09/21/2022 1124
Ethylbenzene	ND		1	1.0	0.40	ug/L	09/21/2022 1124
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	09/21/2022 1124
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	09/21/2022 1124
Naphthalene	ND		1	1.0	0.40	ug/L	09/21/2022 1124
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	09/21/2022 1124
Toluene	ND		1	1.0	0.40	ug/L	09/21/2022 1124
Xylenes (total)	ND		1	1.0	0.40	ug/L	09/21/2022 1124

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		100	70-130
Bromofluorobenzene		98	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ54821-002
Batch: 54821
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	990		1	99	70-130	09/21/2022 0943
tert-Amyl methyl ether (TAME)	50	43		1	85	70-130	09/21/2022 0943
Benzene	50	47		1	94	70-130	09/21/2022 0943
tert-Butyl formate (TBF)	250	220		1	87	70-130	09/21/2022 0943
1,2-Dichloroethane	50	47		1	95	70-130	09/21/2022 0943
Diisopropyl ether (IPE)	50	47		1	95	70-130	09/21/2022 0943
3,3-Dimethyl-1-butanol	1000	1000		1	104	70-130	09/21/2022 0943
Ethanol	5000	5200		1	104	70-130	09/21/2022 0943
Ethylbenzene	50	47		1	95	70-130	09/21/2022 0943
Ethyl-tert-butyl ether (ETBE)	50	42		1	84	70-130	09/21/2022 0943
Methyl tertiary butyl ether (MTBE)	50	41		1	81	70-130	09/21/2022 0943

LOQ = Limit of Quantitation
DL = Detection Limit
ND = Not detected at or above the DL
J = Estimated result < LOQ and ≥ DL
* = RSD is out of criteria
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ54821-002
Batch: 54821
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Naphthalene	50	51		1	101	70-130	09/21/2022 0943
tert-butyl alcohol (TBA)	1000	960		1	96	70-130	09/21/2022 0943
Toluene	50	46		1	92	70-130	09/21/2022 0943
Xylenes (total)	100	94		1	94	70-130	09/21/2022 0943

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		94	70-130
Bromofluorobenzene		94	70-130

Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ54885-001
Batch: 54885
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	09/21/2022 2137
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	09/21/2022 2137
Benzene	ND		1	1.0	0.40	ug/L	09/21/2022 2137
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	09/21/2022 2137
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	09/21/2022 2137
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	09/21/2022 2137
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	09/21/2022 2137
Ethanol	ND		1	100	52	ug/L	09/21/2022 2137
Ethylbenzene	ND		1	1.0	0.40	ug/L	09/21/2022 2137
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	09/21/2022 2137
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	09/21/2022 2137
Naphthalene	ND		1	1.0	0.40	ug/L	09/21/2022 2137
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	09/21/2022 2137
Toluene	ND		1	1.0	0.40	ug/L	09/21/2022 2137
Xylenes (total)	ND		1	1.0	0.40	ug/L	09/21/2022 2137

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		85	70-130
Toluene-d8		97	70-130
Bromofluorobenzene		96	70-130

LOQ = Limit of Quantitation
DL = Detection Limit
ND = Not detected at or above the DL
J = Estimated result < LOQ and ≥ DL
* = RSD is out of criteria
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ54885-002
Batch: 54885
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	920		1	92	70-130	09/21/2022 2031
tert-Amyl methyl ether (TAME)	50	45		1	89	70-130	09/21/2022 2031
Benzene	50	46		1	92	70-130	09/21/2022 2031
tert-Butyl formate (TBF)	250	230		1	94	70-130	09/21/2022 2031
1,2-Dichloroethane	50	42		1	84	70-130	09/21/2022 2031
Diisopropyl ether (IPE)	50	49		1	98	70-130	09/21/2022 2031
3,3-Dimethyl-1-butanol	1000	940		1	94	70-130	09/21/2022 2031
Ethanol	5000	4100		1	82	70-130	09/21/2022 2031
Ethylbenzene	50	44		1	89	70-130	09/21/2022 2031
Ethyl-tert-butyl ether (ETBE)	50	42		1	84	70-130	09/21/2022 2031
Methyl tertiary butyl ether (MTBE)	50	45		1	90	70-130	09/21/2022 2031
Naphthalene	50	50		1	100	70-130	09/21/2022 2031
tert-butyl alcohol (TBA)	1000	890		1	89	70-130	09/21/2022 2031
Toluene	50	45		1	91	70-130	09/21/2022 2031
Xylenes (total)	100	90		1	90	70-130	09/21/2022 2031

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		85	70-130
Toluene-d8		88	70-130
Bromofluorobenzene		82	70-130

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: XQ54885-003
Batch: 54885
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1000		1	100	7.8	70-130	20	09/21/2022 2309
tert-Amyl methyl ether (TAME)	50	52		1	104	15	70-130	20	09/21/2022 2309
Benzene	50	52		1	104	12	70-130	20	09/21/2022 2309
tert-Butyl formate (TBF)	250	280		1	112	18	70-130	20	09/21/2022 2309
1,2-Dichloroethane	50	47		1	93	11	70-130	20	09/21/2022 2309
Diisopropyl ether (IPE)	50	54		1	108	10	70-130	20	09/21/2022 2309
3,3-Dimethyl-1-butanol	1000	970		1	97	3.6	70-130	20	09/21/2022 2309
Ethanol	5000	4300		1	86	5.1	70-130	20	09/21/2022 2309
Ethylbenzene	50	48		1	96	8.2	70-130	20	09/21/2022 2309
Ethyl-tert-butyl ether (ETBE)	50	49		1	98	16	70-130	20	09/21/2022 2309
Methyl tertiary butyl ether (MTBE)	50	52		1	103	14	70-130	20	09/21/2022 2309

LOQ = Limit of Quantitation
DL = Detection Limit
ND = Not detected at or above the DL
J = Estimated result < LOQ and ≥ DL
* = RSD is out of criteria
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: XQ54885-003
Batch: 54885
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
Naphthalene	50	50		1	100	0.56	70-130	20	09/21/2022 2309
tert-butyl alcohol (TBA)	1000	960		1	96	7.2	70-130	20	09/21/2022 2309
Toluene	50	50		1	100	10	70-130	20	09/21/2022 2309
Xylenes (total)	100	98		1	98	8.2	70-130	20	09/21/2022 2309

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		96	70-130
Bromofluorobenzene		89	70-130

Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ54888-001
Batch: 54888
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	09/21/2022 2322
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	09/21/2022 2322
Benzene	ND		1	1.0	0.40	ug/L	09/21/2022 2322
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	09/21/2022 2322
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	09/21/2022 2322
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	09/21/2022 2322
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	09/21/2022 2322
Ethanol	ND		1	100	52	ug/L	09/21/2022 2322
Ethylbenzene	ND		1	1.0	0.40	ug/L	09/21/2022 2322
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	09/21/2022 2322
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	09/21/2022 2322
Naphthalene	ND		1	1.0	0.40	ug/L	09/21/2022 2322
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	09/21/2022 2322
Toluene	ND		1	1.0	0.40	ug/L	09/21/2022 2322
Xylenes (total)	ND		1	1.0	0.40	ug/L	09/21/2022 2322

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		100	70-130
Bromofluorobenzene		96	70-130

LOQ = Limit of Quantitation
DL = Detection Limit
ND = Not detected at or above the DL
J = Estimated result < LOQ and ≥ DL
* = RSD is out of criteria
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ54888-002
Batch: 54888
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	940		1	94	70-130	09/21/2022 2214
tert-Amyl methyl ether (TAME)	50	46		1	92	70-130	09/21/2022 2214
Benzene	50	49		1	98	70-130	09/21/2022 2214
tert-Butyl formate (TBF)	250	230		1	93	70-130	09/21/2022 2214
1,2-Dichloroethane	50	46		1	92	70-130	09/21/2022 2214
Diisopropyl ether (IPE)	50	49		1	97	70-130	09/21/2022 2214
3,3-Dimethyl-1-butanol	1000	950		1	95	70-130	09/21/2022 2214
Ethanol	5000	4200		1	84	70-130	09/21/2022 2214
Ethylbenzene	50	49		1	99	70-130	09/21/2022 2214
Ethyl-tert-butyl ether (ETBE)	50	44		1	89	70-130	09/21/2022 2214
Methyl tertiary butyl ether (MTBE)	50	45		1	89	70-130	09/21/2022 2214
Naphthalene	50	49		1	97	70-130	09/21/2022 2214
tert-butyl alcohol (TBA)	1000	920		1	92	70-130	09/21/2022 2214
Toluene	50	49		1	98	70-130	09/21/2022 2214
Xylenes (total)	100	99		1	99	70-130	09/21/2022 2214

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		93	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		94	70-130

Volatile Organic Compounds by GC/MS - MS

Sample ID: XI16027-017MS
Batch: 54888
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	130	5000	5000		5	97	70-130	09/22/2022 0813
tert-Amyl methyl ether (TAME)	2.2	250	240		5	97	70-130	09/22/2022 0813
Benzene	48	250	300		5	99	70-130	09/22/2022 0813
tert-Butyl formate (TBF)	ND	1300	110	N	5	8.8	70-130	09/22/2022 0813
1,2-Dichloroethane	ND	250	260		5	103	70-130	09/22/2022 0813
Diisopropyl ether (IPE)	ND	250	250		5	100	70-130	09/22/2022 0813
3,3-Dimethyl-1-butanol	ND	5000	4900		5	99	70-130	09/22/2022 0813
Ethanol	ND	25000	24000		5	95	70-130	09/22/2022 0813
Ethylbenzene	300	250	550		5	98	70-130	09/22/2022 0813
Ethyl-tert-butyl ether (ETBE)	ND	250	230		5	92	70-130	09/22/2022 0813
Methyl tertiary butyl ether (MTBE)	7.5	250	230		5	91	70-130	09/22/2022 0813

LOQ = Limit of Quantitation
DL = Detection Limit
ND = Not detected at or above the DL
J = Estimated result < LOQ and ≥ DL
* = RSD is out of criteria
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: XI16027-017MS
Batch: 54888
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Naphthalene	7.7	250	250		5	97	70-130	09/22/2022 0813
tert-butyl alcohol (TBA)	130	5000	5400		5	106	70-130	09/22/2022 0813
Toluene	5.8	250	260		5	101	70-130	09/22/2022 0813
Xylenes (total)	30	500	540		5	103	70-130	09/22/2022 0813

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		102	70-130
Toluene-d8		100	70-130
Bromofluorobenzene		100	70-130

Volatile Organic Compounds by GC/MS - MSD

Sample ID: XI16027-017MD
Batch: 54888
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	130	5000	5100		5	100	3.4	70-130	20	09/22/2022 0837
tert-Amyl methyl ether (TAME)	2.2	250	260		5	102	5.1	70-130	20	09/22/2022 0837
Benzene	48	250	310		5	104	4.0	70-130	20	09/22/2022 0837
tert-Butyl formate (TBF)	ND	1300	96	N	5	7.7	13	70-130	20	09/22/2022 0837
1,2-Dichloroethane	ND	250	260		5	106	3.0	70-130	20	09/22/2022 0837
Diisopropyl ether (IPE)	ND	250	250		5	101	1.5	70-130	20	09/22/2022 0837
3,3-Dimethyl-1-butanol	ND	5000	5200		5	103	4.1	70-130	20	09/22/2022 0837
Ethanol	ND	25000	25000		5	99	4.3	70-130	20	09/22/2022 0837
Ethylbenzene	300	250	570		5	108	4.7	70-130	20	09/22/2022 0837
Ethyl-tert-butyl ether (ETBE)	ND	250	250		5	101	8.7	70-130	20	09/22/2022 0837
Methyl tertiary butyl ether (MTBE)	7.5	250	260		5	100	9.0	70-130	20	09/22/2022 0837
Naphthalene	7.7	250	270		5	103	6.1	70-130	20	09/22/2022 0837
tert-butyl alcohol (TBA)	130	5000	5600		5	110	3.0	70-130	20	09/22/2022 0837
Toluene	5.8	250	270		5	104	3.1	70-130	20	09/22/2022 0837
Xylenes (total)	30	500	560		5	106	3.2	70-130	20	09/22/2022 0837

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		105	70-130
Toluene-d8		103	70-130
Bromofluorobenzene		101	70-130

LOQ = Limit of Quantitation
DL = Detection Limit
ND = Not detected at or above the DL
J = Estimated result < LOQ and ≥ DL
* = RSD is out of criteria
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ55023-001
Batch: 55023
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	09/22/2022 2044
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	09/22/2022 2044
Benzene	ND		1	1.0	0.40	ug/L	09/22/2022 2044
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	09/22/2022 2044
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	09/22/2022 2044
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	09/22/2022 2044
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	09/22/2022 2044
Ethanol	ND		1	100	52	ug/L	09/22/2022 2044
Ethylbenzene	ND		1	1.0	0.40	ug/L	09/22/2022 2044
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	09/22/2022 2044
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	09/22/2022 2044
Naphthalene	ND		1	1.0	0.40	ug/L	09/22/2022 2044
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	09/22/2022 2044
Toluene	ND		1	1.0	0.40	ug/L	09/22/2022 2044
Xylenes (total)	ND		1	1.0	0.40	ug/L	09/22/2022 2044

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		89	70-130
Toluene-d8		95	70-130
Bromofluorobenzene		95	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ55023-002
Batch: 55023
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	960		1	96	70-130	09/22/2022 1931
tert-Amyl methyl ether (TAME)	50	47		1	94	70-130	09/22/2022 1931
Benzene	50	48		1	97	70-130	09/22/2022 1931
tert-Butyl formate (TBF)	250	260		1	103	70-130	09/22/2022 1931
1,2-Dichloroethane	50	45		1	89	70-130	09/22/2022 1931
Diisopropyl ether (IPE)	50	51		1	101	70-130	09/22/2022 1931
3,3-Dimethyl-1-butanol	1000	960		1	96	70-130	09/22/2022 1931
Ethanol	5000	4600		1	93	70-130	09/22/2022 1931
Ethylbenzene	50	45		1	89	70-130	09/22/2022 1931
Ethyl-tert-butyl ether (ETBE)	50	47		1	94	70-130	09/22/2022 1931
Methyl tertiary butyl ether (MTBE)	50	48		1	97	70-130	09/22/2022 1931

LOQ = Limit of Quantitation
DL = Detection Limit
ND = Not detected at or above the DL
J = Estimated result < LOQ and ≥ DL
* = RSD is out of criteria
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ55023-002
Batch: 55023
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Naphthalene	50	48		1	95	70-130	09/22/2022 1931
tert-butyl alcohol (TBA)	1000	950		1	95	70-130	09/22/2022 1931
Toluene	50	46		1	92	70-130	09/22/2022 1931
Xylenes (total)	100	91		1	91	70-130	09/22/2022 1931

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		89	70-130
Toluene-d8		89	70-130
Bromofluorobenzene		82	70-130

LOQ = Limit of Quantitation
DL = Detection Limit

ND = Not detected at or above the DL
J = Estimated result < LOQ and ≥ DL
* = RSD is out of criteria

N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

EDB & DBCP by Microextraction - MB

Sample ID: XQ54785-001
Batch: 54785
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 09/21/2022 0000

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.0050	ug/L	09/22/2022 1255

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		114	57-137

EDB & DBCP by Microextraction - LCS

Sample ID: XQ54785-002
Batch: 54785
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 09/21/2022 0000

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.30		1	119	60-140	09/22/2022 1306

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		134	57-137

EDB & DBCP by Microextraction - MB

Sample ID: XQ54786-001
Batch: 54786
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 09/21/2022 0000

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.0050	ug/L	09/23/2022 0904

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		111	57-137

LOQ = Limit of Quantitation
DL = Detection Limit
ND = Not detected at or above the DL
J = Estimated result < LOQ and ≥ DL
* = RSD is out of criteria
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

EDB & DBCP by Microextraction - LCS

Sample ID: XQ54786-002
Batch: 54786
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 09/21/2022 0000

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.27		1	109	60-140	09/23/2022 0915

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		112	57-137

EDB & DBCP by Microextraction - MS

Sample ID: XI16027-015MS
Batch: 54786
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 09/21/2022 0000

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	0.25	0.33		1	133	60-140	09/23/2022 1020

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		122	57-137

EDB & DBCP by Microextraction - Duplicate

Sample ID: XI16027-019DU
Batch: 54786
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 09/21/2022 0000

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	%RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	09/23/2022 1113

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		110	57-137

LOQ = Limit of Quantitation
DL = Detection Limit
ND = Not detected at or above the DL
J = Estimated result < LOQ and ≥ DL
* = RSD is out of criteria
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

EDB & DBCP by Microextraction - MB

Sample ID: XQ54977-001
Batch: 54977
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 09/22/2022 1718

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.0050	ug/L	09/23/2022 1427

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane	N	10	57-137

EDB & DBCP by Microextraction - LCS

Sample ID: XQ54977-002
Batch: 54977
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 09/22/2022 1718

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.0091	N	1	3.6	60-140	09/23/2022 1438

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane	N	7.7	57-137

EDB & DBCP by Microextraction - MS

Sample ID: XI16027-033MS
Batch: 54977
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 09/22/2022 1718

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	0.24	0.0077	N	1	3.2	60-140	09/23/2022 1521

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane	N	3.1	57-137

LOQ = Limit of Quantitation
DL = Detection Limit
ND = Not detected at or above the DL
J = Estimated result < LOQ and ≥ DL
* = RSD is out of criteria
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

EDB & DBCP by Microextraction - Duplicate

Sample ID: XI16027-038DU
Batch: 54977
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 09/22/2022 1718

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	%RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	09/23/2022 1625

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane	N	6.3	57-137

EDB & DBCP by Microextraction - MB

Sample ID: XQ55020-001
Batch: 55020
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 09/22/2022 2219

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.0050	ug/L	09/23/2022 2324

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		112	57-137

EDB & DBCP by Microextraction - LCS

Sample ID: XQ55020-002
Batch: 55020
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 09/22/2022 2219

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.30		1	118	60-140	09/23/2022 2335

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		120	57-137

LOQ = Limit of Quantitation
DL = Detection Limit
ND = Not detected at or above the DL
J = Estimated result < LOQ and ≥ DL
* = RSD is out of criteria
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

EDB & DBCP by Microextraction - MS

Sample ID: XI16027-052MS
Batch: 55020
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 09/22/2022 2219

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	0.25	0.18	P	1	74	60-140	09/24/2022 0049

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		87	57-137

EDB & DBCP by Microextraction - Duplicate

Sample ID: XI16027-054DU
Batch: 55020
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 09/22/2022 2219

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	%RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	09/24/2022 0122

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		82	57-137

EDB & DBCP by Microextraction - MB

Sample ID: XQ55542-001
Batch: 55542
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 09/28/2022 1736

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.0050	ug/L	09/29/2022 1620

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		93	57-137

LOQ = Limit of Quantitation
DL = Detection Limit
ND = Not detected at or above the DL
J = Estimated result < LOQ and ≥ DL
* = RSD is out of criteria
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

EDB & DBCP by Microextraction - LCS

Sample ID: XQ55542-002
Batch: 55542
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 09/28/2022 1736

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.24		1	94	60-140	09/29/2022 1631

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		99	57-137

EDB & DBCP by Microextraction - LCSD

Sample ID: XQ55542-003
Batch: 55542
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 09/28/2022 1736

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.24		1	97	3.1	60-140	20	09/29/2022 1642

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		85	57-137

EDB & DBCP by Microextraction - MB

Sample ID: XQ55543-001
Batch: 55543
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 09/28/2022 1913

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.0050	ug/L	09/29/2022 0928

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		97	57-137

LOQ = Limit of Quantitation
DL = Detection Limit
ND = Not detected at or above the DL
J = Estimated result < LOQ and ≥ DL
* = RSD is out of criteria
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

EDB & DBCP by Microextraction - LCS

Sample ID: XQ55543-002
Batch: 55543
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 09/28/2022 1913

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.25		1	99	60-140	09/29/2022 0939

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		92	57-137

LOQ = Limit of Quantitation
DL = Detection Limit
ND = Not detected at or above the DL
J = Estimated result < LOQ and ≥ DL
* = RSD is out of criteria
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Chain of Custody
and
Miscellaneous Documents

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Number 137964

Client: Terry Environmental Services
Address: PO Box 25
City: Summerville State: SC Zip Code: 29484
Project Name: Former Li'l Cricket #339
Project No.: 470T
P.O. No.:
Report to Contact: Kelly Cone
Sampler's Signature: x Langston Jones
Printed Name: Langston Jones
Telephone No. / E-mail: 843-873-8200
Analysis (Attach list if more space is needed)
Quote No.:
Page 1 of 6
XI16027
KSH2

Sample ID / Description (Containers for each sample may be combined on one line.)	Collection Date(s)	Collection Time (Military)	Grab Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No of Containers by Preservative Type: Unpres.	HCl	HCl	HCl	Analysis: BTEX NM+1,2-DCA Oxy +EtOH	EDB-8011	Remarks / Cooler I.D.
07303 FB-1	9-12-22	1340	g	x						5	3	2	
SW-1		1410											
SW-2		1416											
MW-46		1419											
MW-47		1452											
MW-48		1600											
MW-45		1622											
MW-22		1659											
MW-43		1735											
MW-28		1755											

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☑ Standard ☐ Rush (Specify)
Sample Disposal ☐ Return to Client ☑ Disposal by Lab
Possible Hazard Identification ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown
QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Langston Jones	9-15-22	1525	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: Marialp Smith	9/13/22	1525

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 4.0 °C
Temp Blank ☑ Y ☐ N

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: ME003N2-01

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Number 125758

Client: Terry Environmental Services
Address: PO Box 25
City: Summerville State: SC Zip Code: 29484
Project Name: Former Li'l Cricket #339
Project No: 2170T
P.O. No.:
Report to Contact: Kelly Cone
Sampler's Signature: x Langston Jones
Printed Name: Langston Jones
Telephone No. / E-mail: 843-873-8200
Analysis (Attach list if more space is needed): BTEX NM +1,2-DCA, OXY +EtH, EDB 8011
Quote No.:
Page 2 of 6
XI16027
KSH2

Sample ID / Description (Containers for each sample may be combined on one line.)	Collection Date(s)	Collection Time (Military)	Collection Code	Matrix: Aqueous	Matrix: Field	Matrix: Ice Aqueous	No. of Containers by Preservative Type: Unpres.	HNO3	HCl	NaOH	NaOH	Field Filtered	BTEX NM +1,2-DCA, OXY +EtH	EDB 8011	Remarks / Cooler I.D.
07303 MW-23	9-12-22	1816	g	X					5				3	2	
FB-2	9-13-22	0810													
DW-5		0835													
DW-11		0919													
MW-41		0933													
MW-39		1005													
MW-25		1028													
MW-24		1042													
MW-21		1104													
MW-14		1135													

Turn Around Time Required (Prior lab approval required for expedited TAT.) ✓ Standard Rush (Specify)
Sample Disposal: Return to Client ✓ Disposal by Lab
Possible Hazard Identification: ✓ Non-Hazard Flammable Skin Irritant Poison Unknown
QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Langston Jones	9-15-25	1525	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: Marcia Smith	9/15/22	1525

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 4.0 °C
Temp Blank ✓ Y N

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: ME003N2-01

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106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
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Number 125761

Client: Terry Environmental Services	Report to Contact: Kelly Cone	Telephone No. / E-mail: 843-873-8200	Quote No.
Address: PO Box 25	Sampler's Signature: x Langston Jones	Analysis (Attach list if more space is needed)	Page 3 of 6
City: Summerville State: SC Zip Code: 29484	Printed Name: Langston Jones		XI16027
Project Name: Former Li'l Cricket #339			KSH2
Project No. P.O. No.			

Sample ID / Description (Containers for each sample may be combined on one line.)		Collection Date(s)	Collection Time (Military)	G=Grab C=Composite	Matrix: Aqueous	Matrix: Soil	Matrix: Non-Aqueous	Unpres.	H_2SO_4	HNO_3	HCl	NaOH	5035 Kit	Field Filtered	BTEXN/M+1,2-DCA Oxy+Eth	EDB 8011								Remarks / Cooler I.D.
07303	DW-6	9-13-22	1206	g	X						5				3	2								
	DW-1		1230																					
	MW-13		1255																					
	MW-11		1315																					
	MW-40		1450																					
	MW-42		1520																					
	MW-12		1550																					
	DW-10		1651																					
	DW-9		1703																					
	MW-37		1720																					

Turn Around Time Required (Prior lab approval required for expedited TAT.) ✓ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ✓ Disposal by Lab

Possible Hazard Identification: ✓ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Langston Jones	9-15-22	1525	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: Marcia Smith	9/18/22	1535

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY: Received on ice (Circle) (Yes) No Ice Pack Receipt Temp. 4.0 °C Temp Blank ☒ Y ☐ N

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: ME003N2-01

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Number 137469

Client: Terry Environmental Services	Report to Contact: Kelly Cone	Telephone No. / E-mail: 843-873-8200	Quote No.
Address: PO Box 25	Sampler's Signature: x Langston Jones	Analysis (Attach list if more space is needed)	Page 4 of 6
City: Summerville State: SC Zip Code: 29484	Printed Name: Langston Jones		XI16027
Project Name: Former Lil Cricket #339			KSH2
Project No.: 2170T P.O. No.			

Sample ID / Description (Containers for each sample may be combined on one line.)	Collection Date(s)	Collection Time (Military)	Sample Type (G=Grab C=Composite)	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	Matrix: Unpres.	Matrix: HCl/DI	Matrix: HNO3	Matrix: HCl	Matrix: NaOH	Matrix: NaOH	Matrix: Total Filtered	BTEX N/M +1,2-DCA OXY+EPA	EDB-8011	Remarks / Cooler I.D.
07303 MW-38	9-13-22	1745	g	X						5				3	2	
MW-36		1810														
MW-34		1836														
MW-35		1853														
FB-3	9-14-22	0805														
MW-31		0840														
MW-32		0846														
MW-33		0857														
MW-5R		1000														
MW-30		1035														

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☑ Standard ☐ Rush (Specify)

Sample Disposal ☐ Return to Client ☑ Disposal by Lab

Possible Hazard Identification ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Langston Jones	9-15-22	1525	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: Marcia K Smith	9/15/22	1525

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) (Yes) No Ice Pack Receipt Temp. 4.0 °C Temp Blank ☒ Y ☐ N

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

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Number 125762

Client: Terry Environmental Services	Report to Contact: Kelly Cone			Telephone No. / E-mail: 843-873-8200			Quote No.
Address: PO Box 25	Sampler's Signature: x Langston Jones			Analysis (Attach list if more space is needed)			Page 5 of 6
City: Summerville	State: SC	Zip Code: 29484	Printed Name: Langston Jones				XI16027
Project Name: Former Lil Cricket #339							KSH2
Project No.: 2170T	P.O. No.:						Remarks / Cooler I.D.

Sample ID / Description (Containers for each sample may be combined on one line.)	Collection Date(s)	Collection Time (Military)	# of Containers	Matrix: Ground Water	Matrix: Soil	Matrix: Air	# of Containers by Preservative Type: Unpres	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Field Filtered	BTEX/MTBE+1,2-DCA Day +EPA	EDB 504										
07303 MW-3	9-14-22	1103	9	X						5				3	2										
MW-16		1129																							
MW-18		1151																							
MW-17		1209																							
DW-3		1333																							
DW-7		1404																							
DW-2		1436																							
RW-4		1505																							
MW-29		1524																							
MW-15		1555																							

Turn Around Time Required (Prior lab approval required for expedited TAT): ☑ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Langston Jones	9-15-22	1525	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: Marialeasmith	9/15/22	1525

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Circle): (Yes) No Ice Pack: Receipt Temp: 4.0 °C
Temp Blank: X Y ☐ N

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK Field/Client Copy

Document Number: ME003N2-01

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Number 125763

Client: Terry Environmental Services
Report to Contact: Kelly Cone
Telephone No. / E-mail: 843-873-8200
Quote No.:
Address: PO Box 25
Sampler's Signature: x Langston Jones
Analysis (Attach list if more space is needed)
Page 6 of 6
City: Summerville State: SC Zip Code: 29484
Printed Name: Langston Jones
Project Name: Former Li'l Cricket #339
Project No.: 2170T
P.O. No.:

XI16027
KSH2

Sample ID / Description (Containers for each sample may be combined on one line.)	Collection Date(s)	Collection Time (Military)	G=Grab C=Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Solid	Matrix: Liquid	Matrix: NaOH	Matrix: HNO3	No. of Containers by Preservative Type: HCl	No. of Containers by Preservative Type: MeOH	No. of Containers by Preservative Type: NaOH	No. of Containers by Preservative Type: Field Filtered	BTEX NMH 1/2-DCA DKY +EtA	EDB-8011	Remarks / Cooler I.D.
07303 MW-27	9-14-22	1620	g	x						5				3	2	
MW-27 dup		1622														
MW-19		1650														
MW-9		1737														
MW-20		1801														
RW-2		1815														
RW-2 dup		1817														
RW-3		1840														
RW-3 dup		1842														
Trip Blank	—	—								2				2	0	

Turn Around Time Required (Prior lab approval required for expedited TAT.): ✓ Standard ☐ Rush (Specify)
Sample Disposal: ☐ Return to Client ✓ Disposal by Lab
Possible Hazard Identification: ✓ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown
QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Langston Jones	9-15-25	1525	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: Marcel Smith	9/15/22	1525

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Circle): Yes No Ice Pack
Receipt Temp: 4.0 °C
Temp Blank: ✓ ☐ N

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: ME003N2-01

DC#_Title: ENV-FRM-WCOL-0286 v02_Samples Receipt Checklist (SRC)
Effective Date: 8/2/2022

Sample Receipt Checklist (SRC)

Client: Terry Env Cooler Inspected by/date: MKS / 09/16/2022 Lot #: XJ16027

Means of receipt: ☐ Pace ☑ Client ☐ UPS ☐ FedEx ☐ Other:

☐ Yes	☑ No		1. Were custody seals present on the cooler?
☐ Yes	☐ No	☑ NA	2. If custody seals were present, were they intact and unbroken?

pH Strip ID: NA Chlorine Strip ID: NA Tested by: NA

Original temperature upon receipt / Derived (Corrected) temperature upon receipt %Solid Snap-Cup ID: NA

4.0 / 4.0 °C NA / NA °C NA / NA °C NA / NA °C

Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: 8 IR Gun Correction Factor: 0 °C

Method of coolant: ☑ Wet Ice ☐ Ice Packs ☐ Dry Ice ☐ None

☑ Yes	☐ No	☐ NA	3. Were all coolers received at or below 6.0°C? If no, was Project Manager notified? PM was Notified by: phone / email / face-to-face (circle one).
☐ Yes	☐ No	☑ NA	4. Is the commercial courier's packing slip attached to this form?
☑ Yes	☐ No		5. Were proper custody procedures (relinquished/received) followed?
☑ Yes	☐ No		6. Were sample IDs listed on the COC and all sample containers?
☑ Yes	☐ No		7. Was collection date & time listed on the COC and all sample containers?
☑ Yes	☐ No		8. Did all container label information (ID, date, time) agree with the COC?
☑ Yes	☐ No		9. Were tests to be performed listed on the COC?
☑ Yes	☐ No		10. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
☑ Yes	☐ No		11. Was adequate sample volume available?
☐ Yes	☑ No		12. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
☑ Yes	☐ No		13. Were all samples containers accounted for? (No missing/excess)
☑ Yes	☐ No	☐ NA	14. Were VOA, 8015C and RSK-175 samples free of bubbles >"pea-size" (¼"or 6mm in diameter) in any of the VOA vials?
☐ Yes	☐ No	☑ NA	15. Were all DRO/metals/nutrient samples received at a pH of < 2?
☐ Yes	☐ No	☑ NA	16. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
☐ Yes	☐ No	☑ NA	17. Were all applicable NH_3/TKN/cyanide/phenol/625.1/608.3 (< 0.5mg/L) samples free of residual chlorine?
☐ Yes	☑ No	☐ NA	18. Was the quote number listed on the container label? If yes, Quote #

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) NA were received incorrectly preserved and were adjusted accordingly in sample receiving with NA mL of circle one: H_2SO_4, HNO_3, HCl, NaOH using SR # NA. ☐
Time of preservation NA. If more than one preservative is needed, please note in the comments below.

Sample(s) NA were received with bubbles >6 mm in diameter.

Samples(s) NA were received with TRC > 0.5 mg/L (If #19 is *no*) and were adjusted accordingly in sample receiving with sodium thiosulfate ($Na_2S_2O_3$) with Unique ID: NA.

Comments:

Qualtrax ID: 56360 Pace® Analytical Services, LLC Page 1 of 1

APPENDIX C

Tax Map
(Not Applicable)

APPENDIX D

Soil Boring/Field Screening Logs
(Not Applicable)

APPENDIX E

Well Completion Logs/SCDHEC 1903 Forms
(Not Applicable)

APPENDIX F

Aquifer Evaluation Forms
(Not Applicable)

APPENDIX G

Disposal Manifest

US Water Recovery

Non-Hazardous Manifest: Waste Water or Drums

Number:

1. Generator's EPA ID# (if applicable):

Waste ID Number:

2. Generator's Name and Mailing Address:
Former Li'l Cricket #339 Seneca, SC

Phone ( )

P O #: 2170T
UST#07303

3. Agent of Generator and Mailing Address:
Terry Environmental Services PO Box 25 Summerville, SC 29484

Phone (843) 873-8200

P O #:

4. Transporter Company Name:

Phone ( )

Truck & Trailer License Number:

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address:
US Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Mailing Address:
US Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Phone: (843) 797-3111

Fax: (843) 797-1884

7 Facility U.S. EPA ID#:

Start Level: End Level: Total Gallons: Tank Number

8. U.S. DOT Description	Container No.	Container Type	Unit	Quantity
a. Non-Hazardous, non-regulated waste water			gal	180

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: Langston Jones Signature: Langston Jones as agent Date: 9-16-2022

10. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Andrew Bertka Signature: Andrew Bertka Date: 10-3-22

11. Discrepancy Indication space:

12. Facility Owner or Operator: Certification of Receipt of Materials

Printed/Typed Name: David Ward Signature: David Ward Date 10-3-22

White - Facility Yellow - Office Pink - Transporter Blue - Generator

30117

APPENDIX H

Local Zoning Regulations
(Not Applicable)

APPENDIX I

Fate and Transport Modeling Data
(Not Applicable)

APPENDIX J

Access Agreements
(Not Applicable)

APPENDIX K

Data Verification Checklist

Contractor Checklist –Former Li'l Cricket #339

UST Permit #07303 - TERRY Project #2170T

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			X
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?	X		
7	Has the facility history been summarized?	X		
8	Has the regional geology and hydrogeology been described?	X		
9	Are the receptor survey results provided as required?			X
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?	X		
12	Has the primary soil type been described?			X
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?			X
17	Has the method of well development been detailed?			X
18	Has justification been provided for the locations of the monitoring wells?			X
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	X		
20	Has the groundwater sampling methodology been detailed?	X		
21	Have the groundwater sampling dates and groundwater measurements been provided?	X		
22	Has the purging methodology been detailed?	X		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?	X		
24	If free-product is present, has the thickness been provided?	X		
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	X		
34	Has the current and historical laboratory data been provided in tabular format?	X		

Item #	Item	Yes	No	N/A
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			X
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)	X Fig 4		X Fig 3
40	Has the site potentiometric map been provided? (Figure 5)	X		
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	X		
45	Is the laboratory performing the analyses properly certified?	X		
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)			X
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			X
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	X		

Explanation for missing and incomplete information?

Not Applicable for the current directive.