South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve

Site ID#: 08932 **Monitoring Well #** MW-14

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:			feet
Depth to Free Product (DFP)			feet
Depth to Ground Water (DGW)	11.81		feet
Total Well Depth (TWD)	20		feet
Length of the water column (LWC=TWD-DGW)		8.19	feet
1 casing volume (CV=LWC X C)= ____ X	0.163	1.33	gallons
5 casing volume (5 X CV)=	5	6.67	gallons

Total Volume of Water Purged Before Sampling 2 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	10:13	10:17						
pH (s.u.)	4.72	4.97						
Specific Conductivity (µmhos/cm)	70.9	66.5						
Water Temperature (°C)	22.9	22.0						
Dissolved Oxygen	3.72	3.35						
Turbidity (NTU)	19.21	409.6						
PID readings, if required								

Remarks: Sample Time: 10:17 **Dry at 2.0 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve

Site ID#: 08932 **Monitoring Well #** MW-15

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	10.53			feet
Total Well Depth (TWD)	18			feet
Length of the water column (LWC=TWD-DGW)			7.47	feet
1 casing volume (CV=LWC X C)= ____ X		0.163	1.22	gallons
5 casing volume (5 X CV)=		5	6.09	gallons

Total Volume of Water Purged Before Sampling 2 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	10:26	10:28						
pH (s.u.)	4.85	4.93						
Specific Conductivity (µmhos/cm)	57.6	58.8						
Water Temperature (°C)	26.3	26.2						
Dissolved Oxygen	3.33	3.60						
Turbidity (NTU)	39.78	764.0						
PID readings, if required								

Remarks: Sample Time: 10:28 **Dry at 2.0 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve

Site ID#: 08932 **Monitoring Well #** MW-16

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	12.55			feet
Total Well Depth (TWD)	20			feet
Length of the water column (LWC=TWD-DGW)			7.45	feet
1 casing volume (CV=LWC X C)=	____ X	0.163	1.21	gallons
5 casing volume (5 X CV)=		5	6.07	gallons

Total Volume of Water Purged Before Sampling 2.5 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	10:07	10:10						
pH (s.u.)	5.65	5.52						
Specific Conductivity (µmhos/cm)	59.9	57.8						
Water Temperature (°C)	22.7	22.0						
Dissolved Oxygen	4.31	4.94						
Turbidity (NTU)	24.69	392.1						
PID readings, if required								

Remarks: Sample Time: 10:10 **Dry at 2.5 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve

Site ID#: 08932 **Monitoring Well #** MW-17R

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	11.65			feet
Total Well Depth (TWD)	20			feet
Length of the water column (LWC=TWD-DGW)			8.35	feet
1 casing volume (CV=LWC X C)=	____ X	0.163	1.36	gallons
5 casing volume (5 X CV)=		5	6.81	gallons

Total Volume of Water Purged Before Sampling 2 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	10:23	10:27						
pH (s.u.)	4.96	5.81						
Specific Conductivity (µmhos/cm)	37.9	42.5						
Water Temperature (°C)	24.0	23.7						
Dissolved Oxygen	1.30	0.78						
Turbidity (NTU)	21.64	309.8						
PID readings, if required								

Remarks: Sample Time: 10:27 **Dry at 2.0 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve

Site ID#: 08932 **Monitoring Well #** MW-18

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): $3.14 \times (D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	12.20			feet
Total Well Depth (TWD)	20			feet
Length of the water column (LWC=TWD-DGW)			7.8	feet
1 casing volume (CV=LWC X C)= ____ X		0.163	1.27	gallons
5 casing volume (5 X CV)=		5	6.36	gallons

Total Volume of Water Purged Before Sampling 3 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	10:34	10:38	10:43					
pH (s.u.)	4.78	4.61	4.55					
Specific Conductivity (µmhos/cm)	51.9	51.0	52.3					
Water Temperature (°C)	25.9	25.1	24.1					
Dissolved Oxygen	2.53	2.45	2.30					
Turbidity (NTU)	19.24	124.5	388.1					
PID readings, if required								

Remarks: Sample Time: 10:43 **Dry at 3.0 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve

Site ID#: 08932 **Monitoring Well #** MW-19

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	3.04			feet
Total Well Depth (TWD)	23			feet
Length of the water column (LWC=TWD-DGW)			19.96	feet
1 casing volume (CV=LWC X C)=	____ X	0.163	3.25	gallons
5 casing volume (5 X CV)=		5	16.27	gallons

Total Volume of Water Purged Before Sampling 4 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	9:53	9:55						
pH (s.u.)	6.51	5.98						
Specific Conductivity (µmhos/cm)	56.3	36.1						
Water Temperature (°C)	24.1	22.2						
Dissolved Oxygen	1.30	1.12						
Turbidity (NTU)	38.25	267.9						
PID readings, if required								

Remarks: Sample Time: 9:55 **Dry at 4.0 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Facility Name: Heath Self Serve

Site ID#: 08932 **Monitoring Well #** MW-25

Water Supply Well **Public** **Private**

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	9.16			feet
Total Well Depth (TWD)	16			feet
Length of the water column (LWC=TWD-DGW)			6.84	feet
1 casing volume (CV=LWC X C)=	____ X	0.163	1.11	gallons
5 casing volume (5 X CV)=		5	5.57	gallons

Total Volume of Water Purged Before Sampling 2 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	10:05	10:07	10:10					
pH (s.u.)	4.74	4.71	4.64					
Specific Conductivity (µmhos/cm)	33.1	40.1	42.3					
Water Temperature (°C)	24.2	23.8	23.5					
Dissolved Oxygen	2.08	2.17	2.31					
Turbidity (NTU)	28.21	238.4	469.1					
PID readings, if required								

Remarks: Sample Time: 10:10 **Dry at 2.0 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Facility Name: Heath Self Serve

Site ID#: 08932 **Monitoring Well #** MW-28

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	1.51			feet
Total Well Depth (TWD)	12			feet
Length of the water column (LWC=TWD-DGW)			10.49	feet
1 casing volume (CV=LWC X C)= ____ X		0.163	1.71	gallons
5 casing volume (5 X CV)=		5	8.55	gallons

Total Volume of Water Purged Before Sampling 2 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	9:45	9:47						
pH (s.u.)	6.04	5.95						
Specific Conductivity (µmhos/cm)	82.7	80.9						
Water Temperature (°C)	23.7	21.4						
Dissolved Oxygen	1.35	1.08						
Turbidity (NTU)	28.21	801.3						
PID readings, if required								

Remarks: Sample Time: 9:47 **Dry at 2.0 gallons**

Stick Up Well

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve

Site ID#: 08932 **Monitoring Well #** TFR-1

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 4 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	17.31			feet
Total Well Depth (TWD)	24.4			feet
Length of the water column (LWC=TWD-DGW)			7.09	feet
1 casing volume (CV=LWC X C)= ____ X		0.652	4.62	gallons
5 casing volume (5 X CV)=		5	23.11	gallons

Total Volume of Water Purged Before Sampling 23 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	11:40	11:45	11:50	11:55	12:00	12:05		
pH (s.u.)	4.78	Sheen	Sheen	Sheen	Sheen	Sheen		
Specific Conductivity (µmhos/cm)	76.9	Sheen	Sheen	Sheen	Sheen	Sheen		
Water Temperature (°C)	23.0	Sheen	Sheen	Sheen	Sheen	Sheen		
Dissolved Oxygen	0.56	Sheen	Sheen	Sheen	Sheen	Sheen		
Turbidity (NTU)	21.23	Sheen	Sheen	Sheen	Sheen	Sheen		
PID readings, if required								

Remarks: Sample Time: 12:05

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Facility Name: Heath Self Serve

Site ID#: 08932 **Monitoring Well #** TFR-2

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 4 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:			feet
Depth to Free Product (DFP)			feet
Depth to Ground Water (DGW)	17.10		feet
Total Well Depth (TWD)	24		feet
Length of the water column (LWC=TWD-DGW)		6.9	feet
1 casing volume (CV=LWC X C)= ____ X	0.652	4.50	gallons
5 casing volume (5 X CV)=	5	22.49	gallons

Total Volume of Water Purged Before Sampling 15 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	11:00	11:10	11:20	11:30				
pH (s.u.)	Sheen	Sheen	Sheen	Sheen				
Specific Conductivity (µmhos/cm)	Sheen	Sheen	Sheen	Sheen				
Water Temperature (°C)	Sheen	Sheen	Sheen	Sheen				
Dissolved Oxygen	Sheen	Sheen	Sheen	Sheen				
Turbidity (NTU)	Sheen	Sheen	Sheen	Sheen				
PID readings, if required								

Remarks: Sample Time: 11:30 **Dry at 15.0 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Facility Name: Heath Self Serve

Site ID#: 08932 **Monitoring Well #** TFR-3

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 4 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	16.92			feet
Total Well Depth (TWD)	25.2			feet
Length of the water column (LWC=TWD-DGW)			8.28	feet
1 casing volume (CV=LWC X C)= ____ X		0.652	5.40	gallons
5 casing volume (5 X CV)=		5	26.99	gallons

Total Volume of Water Purged Before Sampling 13 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	12:08	12:12	12:17					
pH (s.u.)	Sheen	Sheen	Sheen					
Specific Conductivity (µmhos/cm)	Sheen	Sheen	Sheen					
Water Temperature (°C)	Sheen	Sheen	Sheen					
Dissolved Oxygen	Sheen	Sheen	Sheen					
Turbidity (NTU)	Sheen	Sheen	Sheen					
PID readings, if required								

Remarks: Sample Time: 12:17 **Dry at 13.0 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Facility Name: Heath Self Serve

Site ID#: 08932 **Monitoring Well #** TFR-4

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 4 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:			feet
Depth to Free Product (DFP)			feet
Depth to Ground Water (DGW)	16.87		feet
Total Well Depth (TWD)	24.3		feet
Length of the water column (LWC=TWD-DGW)		7.43	feet
1 casing volume (CV=LWC X C)= ____ X	0.652	4.84	gallons
5 casing volume (5 X CV)=	5	24.22	gallons

Total Volume of Water Purged Before Sampling 10 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	11:49	11:54	11:58					
pH (s.u.)	Sheen	Sheen	Sheen					
Specific Conductivity (µmhos/cm)	Sheen	Sheen	Sheen					
Water Temperature (°C)	Sheen	Sheen	Sheen					
Dissolved Oxygen	Sheen	Sheen	Sheen					
Turbidity (NTU)	Sheen	Sheen	Sheen					
PID readings, if required								

Remarks: Sample Time: 11:58 **Dry at 10.0 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve

Site ID#: 08932 **Monitoring Well #** TFR-6

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 4 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	16.80			feet
Total Well Depth (TWD)	22.18			feet
Length of the water column (LWC=TWD-DGW)			5.38	feet
1 casing volume (CV=LWC X C)= ____ X		0.652	3.51	gallons
5 casing volume (5 X CV)=		5	17.54	gallons

Total Volume of Water Purged Before Sampling 11 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	11:34	11:38	11:42	11:45				
pH (s.u.)	Sheen	Sheen	Sheen	Sheen				
Specific Conductivity (µmhos/cm)	Sheen	Sheen	Sheen	Sheen				
Water Temperature (°C)	Sheen	Sheen	Sheen	Sheen				
Dissolved Oxygen	Sheen	Sheen	Sheen	Sheen				
Turbidity (NTU)	Sheen	Sheen	Sheen	Sheen				
PID readings, if required								

Remarks: Sample Time: 11:45 **Dry at 11.0 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve

Site ID#: 08932 **Monitoring Well #** TFR-9

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 4 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:			feet
Depth to Free Product (DFP)			feet
Depth to Ground Water (DGW)	16.10		feet
Total Well Depth (TWD)	25.01		feet
Length of the water column (LWC=TWD-DGW)		8.91	feet
1 casing volume (CV=LWC X C)= ____ X	0.652	5.81	gallons
5 casing volume (5 X CV)=	5	29.05	gallons

Total Volume of Water Purged Before Sampling 11 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	11:18	11:24	11:29					
pH (s.u.)	5.43	5.36	5.32					
Specific Conductivity (µmhos/cm)	53.8	68.6	72.1					
Water Temperature (°C)	24.9	24.6	24.5					
Dissolved Oxygen	0.46	0.98	0.99					
Turbidity (NTU)	63.09	529.7	563.4					
PID readings, if required								

Remarks: Sample Time: 11:29 **10% at 11.0 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve

Site ID#: 08932 **Monitoring Well #** TFR-10

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 4 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	16.08			feet
Total Well Depth (TWD)	18.61			feet
Length of the water column (LWC=TWD-DGW)			2.53	feet
1 casing volume (CV=LWC X C)= _____ X		0.652	1.65	gallons
5 casing volume (5 X CV)=		5	8.25	gallons

Total Volume of Water Purged Before Sampling 2 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	11:02	11:05						
pH (s.u.)	5.80	5.63						
Specific Conductivity (µmhos/cm)	198.0	187.2						
Water Temperature (°C)	25.2	24.8						
Dissolved Oxygen	0.78	0.65						
Turbidity (NTU)	28.91	636.1						
PID readings, if required								

Remarks: Sample Time: 11:05 **Dry at 2.0 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Facility Name: Heath Self Serve

Site ID#: 08932 **Monitoring Well #** TFR-11

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 4 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	15.33			feet
Total Well Depth (TWD)	25.03			feet
Length of the water column (LWC=TWD-DGW)			9.7	feet
1 casing volume (CV=LWC X C)= ____ X		0.652	6.32	gallons
5 casing volume (5 X CV)=		5	31.62	gallons

Total Volume of Water Purged Before Sampling 16 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	10:45	10:52	10:59					
pH (s.u.)	4.75	Sheen	Sheen					
Specific Conductivity (µmhos/cm)	60.1	Sheen	Sheen					
Water Temperature (°C)	25.5	Sheen	Sheen					
Dissolved Oxygen	1.00	Sheen	Sheen					
Turbidity (NTU)	52.61	Sheen	Sheen					
PID readings, if required								

Remarks: Sample Time: 10:59 **Dry at 16.0 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Facility Name: Palmetto Plaza Texaco

Site ID#: 12575 **Monitoring Well #** MW-1

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	8.19			feet
Total Well Depth (TWD)	18			feet
Length of the water column (LWC=TWD-DGW)			9.81	feet
1 casing volume (CV=LWC X C)= _____ X		0.163	1.60	gallons
5 casing volume (5 X CV)=		5	8.00	gallons

Total Volume of Water Purged Before Sampling 2 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	13:50	13:53						
pH (s.u.)	4.59	4.44						
Specific Conductivity (µmhos/cm)	79.5	88.8						
Water Temperature (°C)	25.2	25.0						
Dissolved Oxygen	2.78	4.71						
Turbidity (NTU)	21.45	641.7						
PID readings, if required								

Remarks: Sample Time: 13:53 **Dry at 2.0 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Facility Name: Palmetto Plaza Texaco

Site ID#: 12575 **Monitoring Well #** MW-2

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	7.31			feet
Total Well Depth (TWD)	18.04			feet
Length of the water column (LWC=TWD-DGW)			10.73	feet
1 casing volume (CV=LWC X C)= ____ X		0.163	1.75	gallons
5 casing volume (5 X CV)=		5	8.74	gallons

Total Volume of Water Purged Before Sampling 5 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	13:00	13:03	13:05					
pH (s.u.)	5.60	Sheen	Sheen					
Specific Conductivity (µmhos/cm)	220.6	Sheen	Sheen					
Water Temperature (°C)	25.1	Sheen	Sheen					
Dissolved Oxygen	0.67	Sheen	Sheen					
Turbidity (NTU)	123.6	Sheen	Sheen					
PID readings, if required								

Remarks: Sample Time: 13:05 **Dry at 5.0 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Palmetto Plaza Texaco

Site ID#: 12575 **Monitoring Well #** MW-3

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	7.91			feet
Total Well Depth (TWD)	18.49			feet
Length of the water column (LWC=TWD-DGW)			10.58	feet
1 casing volume (CV=LWC X C)= ____ X		0.163	1.72	gallons
5 casing volume (5 X CV)=		5	8.62	gallons

Total Volume of Water Purged Before Sampling 4 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	13:10	13:12						
pH (s.u.)	5.77	Sheen						
Specific Conductivity (µmhos/cm)	215.8	Sheen						
Water Temperature (°C)	24.4	Sheen						
Dissolved Oxygen	0.59	Sheen						
Turbidity (NTU)	82.53	Sheen						
PID readings, if required								

Remarks: Sample Time: 13:12 **Dry at 4.0 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Facility Name: Palmetto Plaza Texaco

Site ID#: 12575 **Monitoring Well #** MW-5

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	11.00			feet
Total Well Depth (TWD)	20			feet
Length of the water column (LWC=TWD-DGW)			9	feet
1 casing volume (CV=LWC X C)= ____ X		0.163	1.47	gallons
5 casing volume (5 X CV)=		5	7.34	gallons

Total Volume of Water Purged Before Sampling 6 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	14:12	14:15	14:18	14:21	14:25			
pH (s.u.)	5.01	4.91	4.76	4.66	4.62			
Specific Conductivity (µmhos/cm)	34.6	35.1	35.7	37.1	39.3			
Water Temperature (°C)	26.8	26.1	25.9	25.7	25.9			
Dissolved Oxygen	2.17	2.01	1.97	1.86	1.84			
Turbidity (NTU)	19.24	198.4	341.6	701.6	884.2			
PID readings, if required								

Remarks: Sample Time: 14:25 **Dry at 6.0 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Palmetto Plaza Texaco

Site ID#: 12575 **Monitoring Well #** MW-6

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	10.60			feet
Total Well Depth (TWD)	20			feet
Length of the water column (LWC=TWD-DGW)			9.4	feet
1 casing volume (CV=LWC X C)=	____ X	0.163	1.53	gallons
5 casing volume (5 X CV)=		5	7.66	gallons

Total Volume of Water Purged Before Sampling 3 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	14:00	14:05	14:10					
pH (s.u.)	4.61	4.58	4.54					
Specific Conductivity (µmhos/cm)	42.8	40.6	39.4					
Water Temperature (°C)	27.1	26.2	25.8					
Dissolved Oxygen	3.02	3.08	3.16					
Turbidity (NTU)	25.29	241.6	589.3					
PID readings, if required								

Remarks: Sample Time: 14:10 **Dry at 3.0 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Facility Name: Palmetto Plaza Texaco

Site ID#: 12575 **Monitoring Well #** MW-7

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	8.46			feet
Total Well Depth (TWD)	20			feet
Length of the water column (LWC=TWD-DGW)			11.54	feet
1 casing volume (CV=LWC X C)= ____ X		0.163	1.88	gallons
5 casing volume (5 X CV)=		5	9.41	gallons

Total Volume of Water Purged Before Sampling 6 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	13:50	13:53	13:56	13:59				
pH (s.u.)	5.91	5.74	5.53	5.47				
Specific Conductivity (µmhos/cm)	65.3	55.1	47.3	40.5				
Water Temperature (°C)	26.1	25.1	24.8	24.2				
Dissolved Oxygen	4.13	4.22	4.84	4.95				
Turbidity (NTU)	18.22	205.1	364.1	801.7				
PID readings, if required								

Remarks: Sample Time: 13:59 **Dry at 6.0 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Facility Name: Palmetto Plaza Texaco

Site ID#: 12575 **Monitoring Well #** MW-9

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	4.41			feet
Total Well Depth (TWD)	17.7			feet
Length of the water column (LWC=TWD-DGW)			13.29	feet
1 casing volume (CV=LWC X C)= ____ X		0.163	2.17	gallons
5 casing volume (5 X CV)=		5	10.83	gallons

Total Volume of Water Purged Before Sampling 3 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	12:47	12:49						
pH (s.u.)	5.38	5.27						
Specific Conductivity (µmhos/cm)	173.7	122.9						
Water Temperature (°C)	26.5	25.3						
Dissolved Oxygen	0.83	0.68						
Turbidity (NTU)	342.5	1100+						
PID readings, if required								

Remarks: Sample Time: 12:49 **Dry at 3.0 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Facility Name: Palmetto Plaza Texaco

Site ID#: 12575 **Monitoring Well #** MW-10

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	6.19			feet
Total Well Depth (TWD)	18			feet
Length of the water column (LWC=TWD-DGW)			11.81	feet
1 casing volume (CV=LWC X C)= ____ X		0.163	1.93	gallons
5 casing volume (5 X CV)=		5	9.63	gallons

Total Volume of Water Purged Before Sampling 6 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	13:20	13:22	13:24	13:27				
pH (s.u.)	5.53	5.24	5.13	5.07				
Specific Conductivity (µmhos/cm)	35.8	33.5	30.4	29.6				
Water Temperature (°C)	27.9	26.3	25.6	25.2				
Dissolved Oxygen	3.31	4.01	4.39	4.61				
Turbidity (NTU)	87.86	634.9	1100+	1100+				
PID readings, if required								

Remarks: Sample Time: 13:27 **10% at 6.0 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 8/1/2013

Field Personnel: C. Lashley, G. Globensky, K. Pudney, P. Boylan

General Weather Conditions: Overcast

Ambient Air Temperature: 25.5 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302		04L 2026AK	
10K 101895		08B 101895	
07M 100905	X	04A 0912AI	X
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Palmetto Plaza Texaco

Site ID#: 12575 **Monitoring Well #** MW-11

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): $3.14 \times (D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

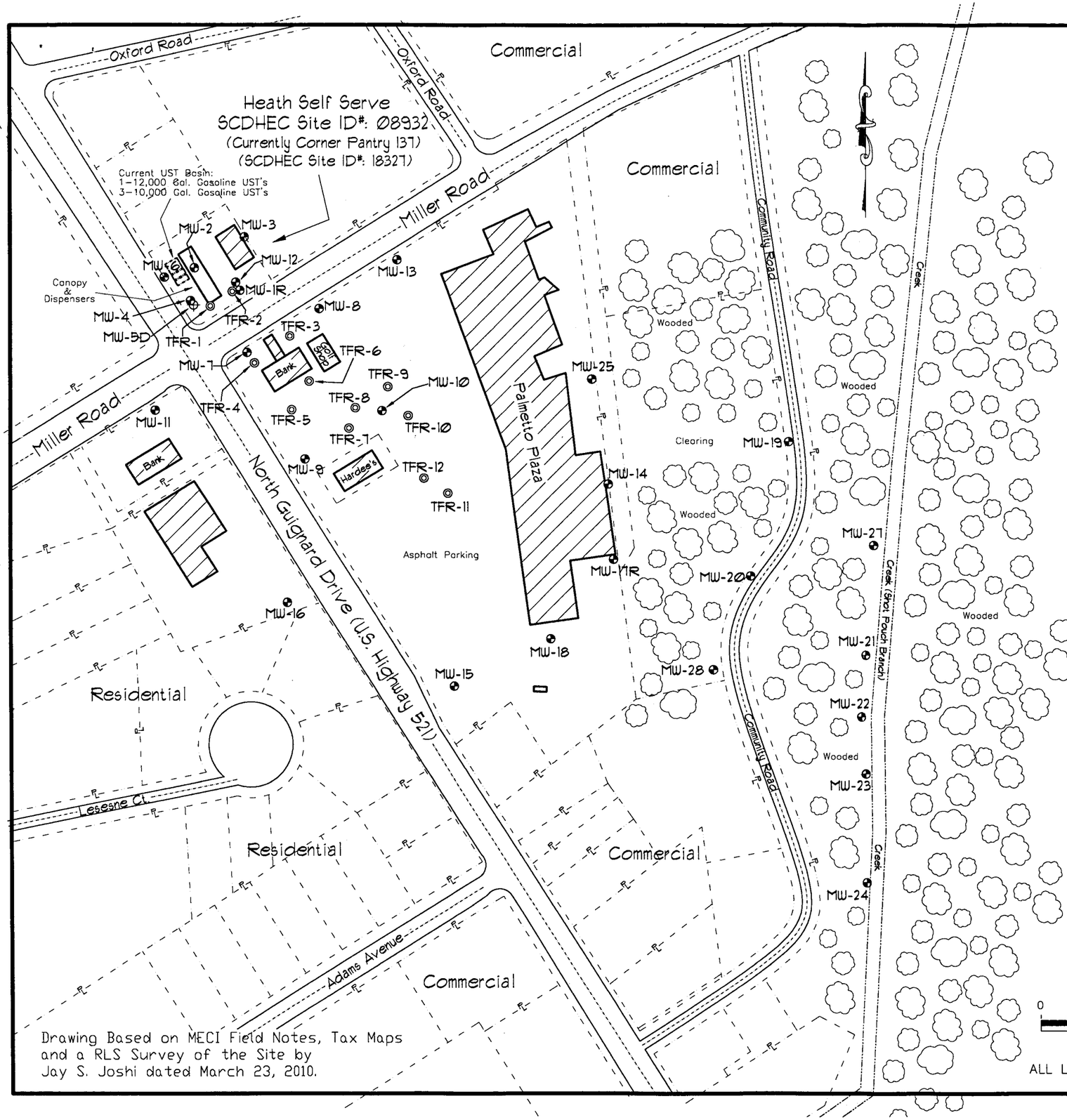
* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	6.90			feet
Total Well Depth (TWD)	18			feet
Length of the water column (LWC=TWD-DGW)			11.1	feet
1 casing volume (CV=LWC X C)=	____ X	0.163	1.81	gallons
5 casing volume (5 X CV)=		5	9.05	gallons

Total Volume of Water Purged Before Sampling 6 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	13:31	13:33	13:35	13:38				
pH (s.u.)	5.52	5.55	5.58	5.60				
Specific Conductivity (µmhos/cm)	225.7	254.1	279.3	297.5				
Water Temperature (°C)	24.4	24.0	23.3	23.1				
Dissolved Oxygen	0.89	0.29	0.20	0.19				
Turbidity (NTU)	127.0	1100+	1100+	1100+				
PID readings, if required								

Remarks: Sample Time: 13:38 **10% at 6.0 gallons**



Explanation:

- Location of Water Table Bracketing Monitoring Well
- Location of 4-Inch Recovery Well
- Location of Double Cased Monitoring Well
- Estimated Location of Existing Underground Storage Tanks
- -P- Property Line

Groundwater Elevation Data

Well #	Date Sampled	Depth to Water (feet)	Well Head Elevation	Groundwater Elevation
MW-1R	3/17/10	16.51	171.85	155.34
MW-11R	3/17/10	15.19	170.33	155.14
MW-17R	3/17/10	11.73	163.81	152.08
MW-19	3/17/10	3.38	149.34	145.96
MW-28	3/17/10	4.81	153.73	148.92

Notes:

Depth to groundwater measured on March 17, 2010.

COC Concentration Data

Sample #	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Total Xylenes (ug/l)	Total BTEX (ug/l)	MTBE (ug/l)	Napthalene (ug/l)
MW-1R	2,840	34,800	5,860	28,500	72,000	<250	829
MW-11R	13.0	70.2	36.3	175	294.5	<5.0	<5.0
MW-17R	4,450	6,450	919	3,670	15,489	198	164
MW-19	134	<5.0	<5.0	<10.0	134	12.7	5.0
MW-28	<5.0	<5.0	<5.0	<10.0	BDL	<5.0	<5.0

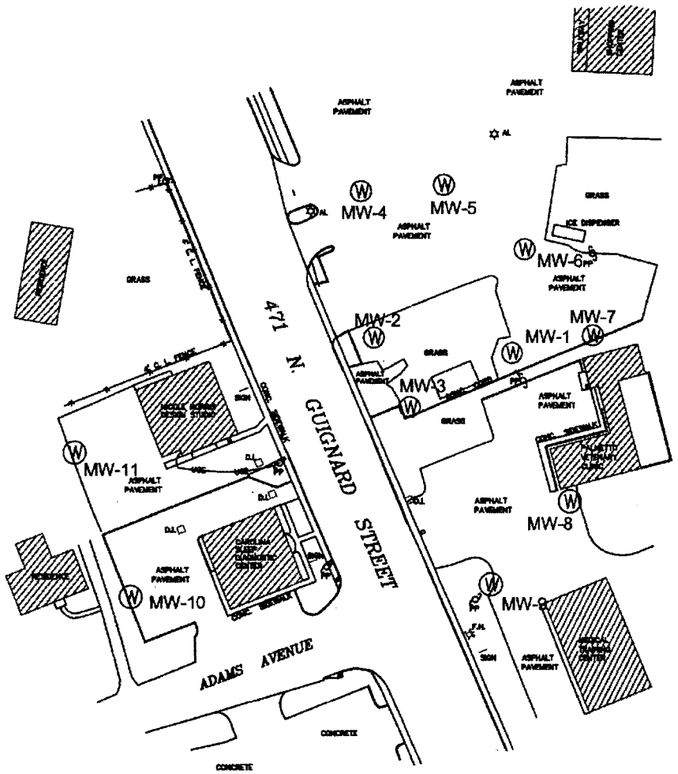
Notes: Groundwater samples collected on March 17, 2010.
BDL = Below Detection Limits

Site Features

Heath Self Serve 2
Sumter, South Carolina
SCDHEC Site ID# 08932

Midlands Environmental Consultants, Inc.

JOB NO. 11-3535
DATE August 22, 2011
FIGURE 3



Groundwater Laboratory Analytical Result Summary

Well ID:	Date:	Benzene	Toluene	Ethylbenzene	Xylenes (Total)	Naphthalene	MTBE	1,2 DCA	EDB	Pb	ETBA	Ethanol	ETBE	DIPE	TAA	TAME	TBA	TBF
RBSL	ug/L	5	1000	700	10000	25	40	5	0.005	15	NE	10000	47	150	240	128	1400	NE
MW-1	4/1/2013	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	<5.0	<100	<100	<10	<100	<10	<100	<100	<100
MW-2	4/1/2013	*51.4*	**55.7**	**192**	**349.9**	20.6J	<5.0	<5.0	<0.020	<5.0	<100	<100	<10	<100	<10	<100	<100	<100
MW-3	4/1/2013	*324*	*3620*	*1530*	**9490**	*450*	<5.0	<5.0	<0.020	<5.0	<100	<100	<10	<100	<10	<100	<100	<100
MW-4*	4/1/2013	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	<5.0	<100	<100	<10	<100	<10	<100	<100	<100
MW-5	4/1/2013	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	<5.0	<100	<100	<10	<100	**180**	<100	<100	<100
MW-6	4/1/2013	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	<5.0	<100	<100	<10	<100	<10	<100	<100	<100
MW-7	4/1/2013	<5.0	<5.0	<5.0	<5.0	<5.0	**16.3**	<5.0	<0.020	**4.6J**	<100	<100	<10	<100	<10	<100	<100	<100
MW-8	4/1/2013	*1810*	*5760*	*1260*	**5490**	*289*	*271*	<5.0	<0.020	<5.0	<100	<100	<10	<100	*2550*	<100	<100	<100
MW-9	4/1/2013	*968*	*5220*	*1590*	**8280**	*436*	*156*	<5.0	*0.24*	<5.0	<100	<100	<10	<100	<10	<100	<100	<100
MW-10	4/1/2013	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	<5.0	<100	<100	<10	<100	<10	<100	<100	<100
MW-11	4/1/2013	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	<5.0	<100	<100	<10	<100	<10	<100	<100	<100

Legend

Ⓦ	Monitoring Well
	Structure
	Former UST Basin

Notes

1.Diagram based RLS Survey, Aerial Photographs, MECI Diagram GIS records and CES field notes

2. Objects and Locations with the exception of structures,surface water bodies, water supply wells and monitoring wells are approximate.

GRAPHIC SCALE

60 0 30 60 120

(IN FEET)

As shown

Figure 4

Groundwater Chemicals of Concern Map

Palmetto Plaza Texaco

471 North Guignard Drive

Sumter, SC 29150

Project Mngr: JSR	Project No: 3500170C5.SC
Drawn by: JSR	Date: 4.3.2013
Checked by: HDO	Revision: 0
	UST Permit: 12575

CRAWFORD ENVIRONMENTAL SERVICES
104 Corporate Blvd. Suite 412
West Columbia, SC 29201
803-708-0079 (ph)
803-708-8138 (fx)

Shealy Environmental Services, Inc.

106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY **Chain of Custody Record** **Number** 32460

Client	Report to Contact	Sampler (Printed Name)	Quote No.
SCDHEC - USI	A Thoma	Patrick Boylan	
Address	**Telephone No. / Fax No. / Email**	**Waybill No.**	**Page**
2600 Bull Street	803-896-4046		1 of 6
City / State / Zip Code	**Preservative**		**Number of Containers**
Columbia / SC / 29201	1. Unpres. 4. HNO3 7. NaOH		**Bottle (See Instructions on back)**
Project Name	2. NaOH/ZnA 5. HCL		**Preservative**
Heath Sele Serve	3. H2SO4 6. Na Thio.		**Lot No.**
Project Number	**P.O Number** 4600085526		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: Brz. Napth. (NITRO)	1,2 DCA	8 oxygenates	EDB	Remarks / Cooler ID
									3		3	1	
									A		A		
									5		5		
MW 1R	8/1	1103	G	X					+	+	+	+	odor
MW 2		1325	G	X					+	+	+	+	odor
MW 3		1133	G	X					+	+	+	+	No odor
MW 4		-	G	X					X	X	X	X	DRY
MW 5D		1250	G	X					+	+	+	+	No odor
MW 6		1200	G	X					X	X	X	X	No odor
MW 7		1245	G	X					X	X	X	X	odor, sheen
MW 8		12:31	G	X					X	X	X	X	odor, sheen
MW 11R		10:20	G	X					X	X	X	X	odor
MW 12	8/1	1040	G	X					X	X	X	X	odor, sheen

Turn Around Time Required (Prior lab approval required for expedited TAT)
☐ Standard ☐ Rush (Please Specify)

Sample Disposal
☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify)

Possible Hazard Identification
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison ☐Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler	8/1/15	1714	1. Received by	8.1.15	1614
2. Relinquished by	8.2.15	1102	2. Received by	8.2.15	1122
3. Relinquished by			3. Received by		
4. Relinquished by	8-2-15		4. Laboratory Received by		

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

LAB USE ONLY
Received on Ice (Check) ☐ Yes ☐ No ☐ Ice Pack
Receipt Temp. _____ °C
Temp. Blank ☐ Y / ☐ N

Shealy Environmental Services, Inc.

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West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
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SHEALY **Chain of Custody Record** **Number 21191**

Client	Report to Contact	Sampler (Printed Name)	Quote No.
SCDHEC US	D Thomas	Rod Patrick Boylan	
Address	**Telephone No. / Fax No. / Email**	**Waybill No.**	**Page** 2 of 6
2600 Bull Street	803 [redacted] 556 6240		
City / **State** / **Zip Code**	**Preservative**		**Number of Containers**
Columbia / SC / 29201	1. Unpres. 4. HNO3 7. NaOH	3 / A / 5	**Bottle (See Instructions on back)**
Project Name	2. NaOH/ZnA 5. HCL		**Preservative**
Health Safe Survey	3. H2SO4 6. Na Thio.		**Lot No.**

Project Number	P.O Number	Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: Boron, Magnesium, Nitrate	1,2 DCA	8 Oxygenates	EDB	Remarks / Cooler ID
		MW 13	8/1	12:27	G	X					X	X	X	X	No odor
		MW 14		1017											No odor
		MW 15		10:28											No odor
		MW 16		10:16											No odor
		MW 17R		1027											No odor
		MW 18		10:43											No odor
		MW 19		9:55	G	X					X	X	X	X	No odor
		MW 20		—											Not Located
		MW 21		—											Not Located
		MW 22	8/1	—											Not Located

Turn Around Time Required (Prior lab approval required for expedited TAT)
☐ Standard ☐ Rush (Please Specify)

Sample Disposal
☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify)

Possible Hazard Identification
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison ☐Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Patrick Boylan	8/1/13	16:15	1. Received by	8.1.13	1615
2. Relinquished by	8-1-13	1722	2. Received by	8/2/13	1122
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	Date	Time	4. Laboratory Received by	Date	Time

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

LAB USE ONLY
Received on Ice (Check) ☐ Yes ☐ No ☐ Ice Pack
Receipt Temp. _____ °C
Temp. Blank ☐ Y / ☐ N

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West Columbia, South Carolina 29172
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www.shealylab.com

SHEALY **Chain of Custody Record**

Number 21192

Client	Report to Contact	Sampler (Printed Name)	Quote No.
SCDHEC - UST	D. Thomas	Patrick Boylan	
Address	**Telephone No. / Fax No. / Email**	**Waybill No.**	**Page** 3 of 6
2600 Bull Street	803 896-4046		
City / **State** / **Zip Code**	**Preservative**		**Number of Containers**
Columbia / SC / 29201	1. Unpres. 4. HNO3 7. NaOH		**Bottle (See Instructions on back)**
Project Name	2. NaOH/ZnA 5. HCL		**Preservative**
Heath Sch Sch	3. H2SO4 6. Na Thio.		**Lot No.**

Project Number	P.O Number	Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: Btex, Naph, MTBE	1,2 DCA	Ethanol	EDB	Remarks / Cooler ID
											3	3	3	3	
											4	4	4	4	
											5	5	5	5	
		MW 23	8/1	—											Not Lock
		MW 24		—											Not Lock
		MW 25		1010	G	X									No odor
		MW ~~28~~ 27		—											Not Lock
		MW 25		947	G	X									No odor
		TFR 1		1205											odor, Sheen
		TFR 2		11:30											odor, Sheen
		TFR 3		12:17											odor, Sheen
		TFR-4		11:58											odor, Sheen
		TFR-5	8/1	—	G	X									Abandoned

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

	Date	Time		Date	Time
1. Relinquished by / Sampler: Patrick Boylan	8/1/13	16:15	1. Received by	8.1.13	1615
2. Relinquished by	8.2.13	1102	2. Received by	8/2/13	1102
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	Date	Time	4. Laboratory Received by	Date	Time

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

LAB USE ONLY
Received on Ice (Check) ☐ Yes ☐ No ☐ Ice Pack
Receipt Temp. _____ °C
Temp. Blank ☐ Y / ☐ N

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West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY **Chain of Custody Record** **Number** 23811

Client	Report to Contact	Sampler (Printed Name)	Quote No.
SCDHEC - UST	D. Thoma	Patrick Boylan	
Address	**Telephone No. / Fax No. / Email**	**Waybill No.**	**Page**
2600 Bull Street	803-896-0640		4 of 16
City / **State** / **Zip Code**	**Preservative**		**Number of Containers**
Columbia / SC / 29201	1. Unpres. 4. HNO3 7. NaOH		**Bottle (See Instructions on back)**
Project Name	2. NaOH/ZnA 5. HCL		**Preservative**
Health Still Spill	3. H2SO4 6. Na Thio.		**Lot No.**

| Project Number | P.O Number | | G=Grab C=Composite | Matrix | | | | | Analysis | | | | |

Shealy Environmental Services, Inc.

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Telephone No. (803) 791-9700 Fax No. (803) 791-9111
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SHEALY **Chain of Custody Record** **Number** 23784

Client SCDHEC	Report to Contact P. Thomas	Sampler (Printed Name) Patrick Boylan
Address 2600 Bull Street	Telephone No. / Fax No. / Email	Waybill No.
City Columbia / State SC / Zip Code 29201		
Project Name Heath Self Serve		
Project Number 08932 / 45811	P.O Number	

Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH

Page 5 of 6

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: BTEX, MTBE (8260B)	1,2 DCA	8 oxygenates	MNA (Full)	Number of Containers	Bottle (See Instructions on back)	Preservative	Lot No.	Remarks / Cooler ID
MW-11 (12576)																	Screen as MW-11 (12576)
MW-5 (12570)	8/1	14:25	C	X					X	X	X	X					Heavy odor
MW-6 (12571)		14:16															No odor
MW-7 (12573)		13:59															No odor
MW-8 (12574)		13:48															No odor
MW-9 (12575)		13:49															Slight odor
MW-10 (12577)		13:27															No odor
MW-11 (12576)		13:38															No odor
MW-1R dup		11:03															Replicate
TFR-2 dup	8/1	11:30	C	X					X	X	X	X					Replicate

Turn Around Time Required (Prior lab approval required for expedited TAT): ☐ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify)

Possible Hazard Identification: ☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison ☐Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler Patrick Boylan	8/1/13	16:16	1. Received by	8.1.13	16:16
2. Relinquished by	8.2.13	1102	2. Received by	8.2.13	1102
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	8/2/13	Time	4. Laboratory Received by	Date	Time

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

LAB USE ONLY
Received on Ice (Check) ☐ Yes ☐ No ☐ Ice Pack
Receipt Temp. _____ °C
Temp. Blank ☐ Y / ☐ N

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Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY **Chain of Custody Record** **Number** 23782

Client	Report to Contact	Sampler (Printed Name)	Quote No.
SCDHEC	D. Thoma	Patrick Boylan	
Address	**Telephone No. / Fax No. / Email**	**Waybill No.**	**Page** 6 of 6
2600 Bull Street			
City / **State** / **Zip Code**	**Preservative**		**Number of Containers**
Columbia / SC / 29201	1. Unpres. 4. HNO3 7. NaOH		**Bottle (See Instructions on back)**
Project Name	2. NaOH/ZnA 5. HCL		**Preservative**
Shell Site Survey	3. H2SO4 6. Na Thio.		**Lot No.**

Project Number	P.O Number	Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: BTEX, MTBE, Naph.	1,2-EDA	Ethanol	EDB									Remarks / Cooler ID
08937/1/5911		Mw-1 dup	8/1	12:53	G	X					X	X	X	X									Replicate
		Field Blank	1	13:05	1					X	1	1	1	1									Field Blank
		Trip Blank	1	14:30	1					X	1	1	1	1									Trip Blank
		Trip Blank	8/1	14:31	G					X	X	X	X	X									Trip Blank

Turn Around Time Required (Prior lab approval required for expedited TAT)
☐ Standard ☐ Rush (Please Specify)

Sample Disposal
☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify)

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

		Date	Time		Date	Time
1.	Relinquished by / Sampler: Patrick Boylan	8/1/13	16:17	1. Received by	8.1.13	1617
2.	Relinquished by	8.2.13	1122	2. Received by	8.2.13	1122
3.	Relinquished by	Date	Time	3. Received by	Date	Time
4.	Relinquished by	Date	Time	4. Laboratory Received by	Date	Time

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

LAB USE ONLY
Received on Ice (Check) ☐ Yes ☐ No ☐ Ice Pack
Receipt Temp. _____ °C
Temp. Blank ☐ Y / ☐ N

Midlands Environmental Consultants, Inc.

August 22, 2013

Re: Treatment of Purge Water
H Q Heath Self Serve 2
Sumter, South Carolina
SCDHEC Site ID Number 08932
MECI Project Number 13-4443

To Whom It May Concern;

Midlands Environmental Consultants, Inc. is providing the following letter as certification that treatment of the referenced purge water complied with the conditions of "Proposed Conditions for Use of Portable Activated Carbon Units for the Treatment of Small Volumes of Petroleum Hydrocarbon Contaminated Groundwater", as described in the following:

Applicability:

Groundwater treated was obtained as a result development of wells and sampling.

Conditions:

1. The purge/bail water from all wells is mixed before usage of the Activated Carbon Unit.
2. No free-product was detected in any of the purge water drums.
3. Analytical results of from well sampling show average concentrations of petroleum hydrocarbon constituents less than 5000 parts per billion (ppb) Benzene and less than 20,000 ppb total BTEX.
4. The existing carbon pack will be replaced/reactivated every 5,000 gallons.
5. Record of usage is maintained by Contractor.
6. Any and all recommendations and conditions issued by the Manufacturer have been adhered to.
7. Any and all recommendations and conditions (even on a site by site basis) issued by the SCDHEC must be adhered to.

All purge waters were treated on-site using an up-flow treatment drum loaded with 30 pounds of activated carbon. Carbon will be loaded to a maximum of 3 pounds of total organic compounds or 5,000 gallons of development/purge water, whichever occurs first.

Post Office Box 854, Lexington SC 29071 • 235-B Dooley Road, Lexington, SC 29073
Telephone: (803) 808-2043 • fax: (803) 808-2048

A total of 206.5 gallons were treated on August 08, 2013 at the referenced site.

Midlands Environmental also tracks cumulative organic compounds adsorbed on the activated carbon to ensure the capacity of carbon mass is not over-charged. This data is available upon request.

Should you have any questions or comments, please contact the undersigned.

Sincerely,
Midlands Environmental Consultants, Inc.

Patrick G. Boylan
Staff Geologist

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

SC DHEC - UST Management
2600 Bull Street
Columbia, SC 29201
Attention: Debra Thoma

Project Name: **Heath Self-Serve, Sumter County**

Project Number: **UST Permit #08932/CA #45811**

Lot Number: **OH03005**

Date Completed: **08/09/2013**

Kelly M. Maberry
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
SC DHEC - UST Management
Lot Number: OH03005

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
Samples SW-1, SW-2 and SW-3 were received but not listed on the chain of custody. Per MECI, the samples should be analyzed for BNM+12DCA+Oxy and EDB. Collection times were provided by MECI.

EDB was not analyzed for the Trip Blanks due to insufficient sample volume (only 2 vials received).

Samples -016, -022, -024 and -029 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).

Volatiles
The MS/MSD associated with sample -022 had ethylbenzene, toluene and xylenes recovered outside of the acceptance limits. The LCS/LCSD were recovered within the required acceptance limits; therefore, this demonstrates a matrix effect and data quality is not impacted.

EDB
The sample result for -014 has a P qualifier because the relative percent difference (RPD) between the two dissimilar phase GC columns exceeds 40%. Section 7.10.4 of SW-846 method 8000B states the higher of the two results is reported; however the lower result is reported for this sample. The higher result for sample -001 was 0.13 ug/L.

The MS/MSD associated with sample -025 had EDB 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.

Due to high detections for target compounds, samples -001, -006, -007, -019, -021, -022, -023, -024, -025, -026 and -037 were diluted 5x, 200x, 20x, 100x, 200x, 100x, 200x, 50x, 100x, 500x and 5x, 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 may impact surrogate recoveries.

Samples -014, -017, -026, -030, -031, -032, -033, -036 and -037 had sediment in the vials that altered the sample volume.

Sample Summary
SC DHEC - UST Management
Lot Number: OH03005

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-1R	Aqueous	08/01/2013 1103	08/02/2013
002	MW-2	Aqueous	08/01/2013 1328	08/02/2013
003	MW-3	Aqueous	08/01/2013 1133	08/02/2013
004	MW-5D	Aqueous	08/01/2013 1250	08/02/2013
005	MW-6	Aqueous	08/01/2013 1300	08/02/2013
006	MW-7	Aqueous	08/01/2013 1205	08/02/2013
007	MW-8	Aqueous	08/01/2013 1221	08/02/2013
008	MW-11R	Aqueous	08/01/2013 1020	08/02/2013
009	MW-12	Aqueous	08/01/2013 1040	08/02/2013
010	MW-13	Aqueous	08/01/2013 1227	08/02/2013
011	MW-14	Aqueous	08/01/2013 1017	08/02/2013
012	MW-15	Aqueous	08/01/2013 1028	08/02/2013
013	MW-16	Aqueous	08/01/2013 1010	08/02/2013
014	MW-17R	Aqueous	08/01/2013 1027	08/02/2013
015	MW-18	Aqueous	08/01/2013 1043	08/02/2013
016	MW-19	Aqueous	08/01/2013 0955	08/02/2013
017	MW-25	Aqueous	08/01/2013 1010	08/02/2013
018	MW-28	Aqueous	08/01/2013 0947	08/02/2013
019	TFR-1	Aqueous	08/01/2013 1205	08/02/2013
020	TFR-2	Aqueous	08/01/2013 1130	08/02/2013
021	TFR-3	Aqueous	08/01/2013 1217	08/02/2013
022	TFR-4	Aqueous	08/01/2013 1158	08/02/2013
023	TFR-6	Aqueous	08/01/2013 1145	08/02/2013
024	TFR-9	Aqueous	08/01/2013 1129	08/02/2013
025	TFR-10	Aqueous	08/01/2013 1105	08/02/2013
026	TFR-11	Aqueous	08/01/2013 1059	08/02/2013
027	MW-1(12575)	Aqueous	08/01/2013 1353	08/02/2013
028	MW-2(12575)	Aqueous	08/01/2013 1305	08/02/2013
029	MW-3(12575)	Aqueous	08/01/2013 1312	08/02/2013
030	MW-5(12575)	Aqueous	08/01/2013 1425	08/02/2013
031	MW-6(12575)	Aqueous	08/01/2013 1410	08/02/2013
032	MW-7(12575)	Aqueous	08/01/2013 1354	08/02/2013
033	MW-8(12575)	Aqueous	08/01/2013 1348	08/02/2013
034	MW-9(12575)	Aqueous	08/01/2013 1249	08/02/2013
035	MW-10(12575)	Aqueous	08/01/2013 1327	08/02/2013
036	MW-11(12575)	Aqueous	08/01/2013 1338	08/02/2013
037	MW-1R Dup	Aqueous	08/01/2013 1103	08/02/2013
038	TFR-2 Dup	Aqueous	08/01/2013 1130	08/02/2013
039	MW-1 Dup	Aqueous	08/01/2013 1353	08/02/2013
040	Field Blank	Aqueous	08/01/2013 1305	08/02/2013
041	Trip Blank	Aqueous	08/01/2013 1430	08/02/2013
042	Trip Blank	Aqueous	08/01/2013 1431	08/02/2013
043	SW-1	Aqueous	08/01/2013 1000	08/02/2013
044	SW-2	Aqueous	08/01/2013 1005	08/02/2013
045	SW-3	Aqueous	08/01/2013 1010	08/02/2013

Sample Summary (Continued)

Lot Number: OH03005

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
(45 samples)				

Executive Summary
SC DHEC - UST Management
Lot Number: OH03005

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MW-1R	Aqueous	tert-Amyl alcohol (TAA)	8260B	1600	J	ug/L	10
001	MW-1R	Aqueous	Benzene	8260B	830		ug/L	10
001	MW-1R	Aqueous	Ethylbenzene	8260B	3400		ug/L	10
001	MW-1R	Aqueous	Naphthalene	8260B	540		ug/L	10
001	MW-1R	Aqueous	Toluene	8260B	14000		ug/L	10
001	MW-1R	Aqueous	Xylenes (total)	8260B	17000		ug/L	10
001	MW-1R	Aqueous	1,2-Dibromoethane (EDB)	8011	3.6		ug/L	10
002	MW-2	Aqueous	tert-Amyl alcohol (TAA)	8260B	16	J	ug/L	11
002	MW-2	Aqueous	Benzene	8260B	21		ug/L	11
002	MW-2	Aqueous	3,3-Dimethyl-1-butanol	8260B	16	J	ug/L	11
002	MW-2	Aqueous	Ethylbenzene	8260B	120		ug/L	11
002	MW-2	Aqueous	Methyl tertiary butyl ether (MTBE)	8260B	0.47	J	ug/L	11
002	MW-2	Aqueous	Naphthalene	8260B	4.9	J	ug/L	11
002	MW-2	Aqueous	Toluene	8260B	85		ug/L	11
002	MW-2	Aqueous	Xylenes (total)	8260B	270		ug/L	11
003	MW-3	Aqueous	tert-Amyl alcohol (TAA)	8260B	160	J	ug/L	12
003	MW-3	Aqueous	Benzene	8260B	4.8	J	ug/L	12
003	MW-3	Aqueous	Diisopropyl ether (IPE)	8260B	5.6	J	ug/L	12
003	MW-3	Aqueous	Ethylbenzene	8260B	230		ug/L	12
003	MW-3	Aqueous	Naphthalene	8260B	160		ug/L	12
003	MW-3	Aqueous	Toluene	8260B	260		ug/L	12
003	MW-3	Aqueous	Xylenes (total)	8260B	2000		ug/L	12
003	MW-3	Aqueous	1,2-Dibromoethane (EDB)	8011	0.76		ug/L	12
004	MW-5D	Aqueous	Benzene	8260B	0.31	J	ug/L	13
004	MW-5D	Aqueous	Methyl tertiary butyl ether (MTBE)	8260B	16		ug/L	13
005	MW-6	Aqueous	tert-Amyl alcohol (TAA)	8260B	36	J	ug/L	14
005	MW-6	Aqueous	Benzene	8260B	20		ug/L	14
005	MW-6	Aqueous	Ethylbenzene	8260B	11		ug/L	14
005	MW-6	Aqueous	Toluene	8260B	3.0	J	ug/L	14
005	MW-6	Aqueous	Xylenes (total)	8260B	52		ug/L	14
006	MW-7	Aqueous	tert-Amyl alcohol (TAA)	8260B	7300	J	ug/L	15
006	MW-7	Aqueous	Benzene	8260B	10000		ug/L	15
006	MW-7	Aqueous	Ethylbenzene	8260B	5000		ug/L	15
006	MW-7	Aqueous	Methyl tertiary butyl ether (MTBE)	8260B	310	J	ug/L	15
006	MW-7	Aqueous	Naphthalene	8260B	1800	J	ug/L	15
006	MW-7	Aqueous	Toluene	8260B	52000		ug/L	15
006	MW-7	Aqueous	Xylenes (total)	8260B	31000		ug/L	15
006	MW-7	Aqueous	1,2-Dibromoethane (EDB)	8011	120		ug/L	15
007	MW-8	Aqueous	tert-Amyl alcohol (TAA)	8260B	2600	J	ug/L	16
007	MW-8	Aqueous	Benzene	8260B	1300		ug/L	16
007	MW-8	Aqueous	Ethylbenzene	8260B	840		ug/L	16
007	MW-8	Aqueous	Naphthalene	8260B	480		ug/L	16
007	MW-8	Aqueous	Toluene	8260B	4200		ug/L	16
007	MW-8	Aqueous	Xylenes (total)	8260B	8900		ug/L	16
007	MW-8	Aqueous	1,2-Dibromoethane (EDB)	8011	16		ug/L	16

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
008	MW-11R	Aqueous	tert-Amyl alcohol (TAA)	8260B	77	J	ug/L	17
008	MW-11R	Aqueous	Benzene	8260B	3.7	J	ug/L	17
008	MW-11R	Aqueous	Ethylbenzene	8260B	2.4	J	ug/L	17
008	MW-11R	Aqueous	Xylenes (total)	8260B	9.5		ug/L	17
009	MW-12	Aqueous	tert-Amyl alcohol (TAA)	8260B	660	J	ug/L	18
009	MW-12	Aqueous	Benzene	8260B	99	J	ug/L	18
009	MW-12	Aqueous	Ethylbenzene	8260B	130	J	ug/L	18
009	MW-12	Aqueous	Naphthalene	8260B	290		ug/L	18
009	MW-12	Aqueous	Toluene	8260B	1400		ug/L	18
009	MW-12	Aqueous	Xylenes (total)	8260B	7100		ug/L	18
009	MW-12	Aqueous	1,2-Dibromoethane (EDB)	8011	0.74		ug/L	18
011	MW-14	Aqueous	tert-Amyl alcohol (TAA)	8260B	980		ug/L	20
011	MW-14	Aqueous	Benzene	8260B	19		ug/L	20
011	MW-14	Aqueous	1,2-Dichloroethane	8260B	3.5	J	ug/L	20
011	MW-14	Aqueous	Naphthalene	8260B	8.7		ug/L	20
011	MW-14	Aqueous	tert-butyl alcohol (TBA)	8260B	31	J	ug/L	20
012	MW-15	Aqueous	tert-Amyl alcohol (TAA)	8260B	17	J	ug/L	21
014	MW-17R	Aqueous	tert-Amyl alcohol (TAA)	8260B	3200	J	ug/L	23
014	MW-17R	Aqueous	tert-Amyl methyl ether (TAME)	8260B	18	J	ug/L	23
014	MW-17R	Aqueous	Benzene	8260B	4700		ug/L	23
014	MW-17R	Aqueous	1,2-Dichloroethane	8260B	210	J	ug/L	23
014	MW-17R	Aqueous	Ethylbenzene	8260B	890		ug/L	23
014	MW-17R	Aqueous	Methyl tertiary butyl ether (MTBE)	8260B	140	J	ug/L	23
014	MW-17R	Aqueous	Naphthalene	8260B	200	J	ug/L	23
014	MW-17R	Aqueous	Toluene	8260B	6000		ug/L	23
014	MW-17R	Aqueous	Xylenes (total)	8260B	4400		ug/L	23
014	MW-17R	Aqueous	1,2-Dibromoethane (EDB)	8011	0.062	P	ug/L	23
015	MW-18	Aqueous	tert-Amyl alcohol (TAA)	8260B	210		ug/L	24
015	MW-18	Aqueous	Benzene	8260B	0.50	J	ug/L	24
015	MW-18	Aqueous	tert-butyl alcohol (TBA)	8260B	7.3	J	ug/L	24
016	MW-19	Aqueous	tert-Amyl alcohol (TAA)	8260B	120		ug/L	25
016	MW-19	Aqueous	Benzene	8260B	120		ug/L	25
016	MW-19	Aqueous	1,2-Dichloroethane	8260B	7.4		ug/L	25
016	MW-19	Aqueous	Diisopropyl ether (IPE)	8260B	0.53	J	ug/L	25
016	MW-19	Aqueous	Methyl tertiary butyl ether (MTBE)	8260B	16		ug/L	25
016	MW-19	Aqueous	Naphthalene	8260B	5.9		ug/L	25
016	MW-19	Aqueous	tert-butyl alcohol (TBA)	8260B	15	J	ug/L	25
016	MW-19	Aqueous	1,2-Dibromoethane (EDB)	8011	0.030		ug/L	25
018	MW-28	Aqueous	tert-Amyl alcohol (TAA)	8260B	14	J	ug/L	27
019	TFR-1	Aqueous	Benzene	8260B	2200	J	ug/L	28
019	TFR-1	Aqueous	Ethylbenzene	8260B	3200		ug/L	28
019	TFR-1	Aqueous	Methyl tertiary butyl ether (MTBE)	8260B	220	J	ug/L	28
019	TFR-1	Aqueous	Naphthalene	8260B	1400	J	ug/L	28
019	TFR-1	Aqueous	Toluene	8260B	35000		ug/L	28
019	TFR-1	Aqueous	Xylenes (total)	8260B	19000		ug/L	28
019	TFR-1	Aqueous	1,2-Dibromoethane (EDB)	8011	78		ug/L	28
020	TFR-2	Aqueous	tert-Amyl alcohol (TAA)	8260B	2800	J	ug/L	29
020	TFR-2	Aqueous	Benzene	8260B	3100		ug/L	29

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
020	TFR-2	Aqueous	Ethylbenzene	8260B	440	J	ug/L	29
020	TFR-2	Aqueous	Naphthalene	8260B	670	J	ug/L	29
020	TFR-2	Aqueous	Toluene	8260B	18000		ug/L	29
020	TFR-2	Aqueous	Xylenes (total)	8260B	24000		ug/L	29
020	TFR-2	Aqueous	1,2-Dibromoethane (EDB)	8011	11		ug/L	29
021	TFR-3	Aqueous	tert-Amyl alcohol (TAA)	8260B	3600	J	ug/L	30
021	TFR-3	Aqueous	Benzene	8260B	7900		ug/L	30
021	TFR-3	Aqueous	Ethylbenzene	8260B	820	J	ug/L	30
021	TFR-3	Aqueous	Naphthalene	8260B	790	J	ug/L	30
021	TFR-3	Aqueous	Toluene	8260B	23000		ug/L	30
021	TFR-3	Aqueous	Xylenes (total)	8260B	20000		ug/L	30
021	TFR-3	Aqueous	1,2-Dibromoethane (EDB)	8011	110		ug/L	30
022	TFR-4	Aqueous	Benzene	8260B	5700		ug/L	31
022	TFR-4	Aqueous	1,2-Dichloroethane	8260B	130	J	ug/L	31
022	TFR-4	Aqueous	Ethylbenzene	8260B	5200		ug/L	31
022	TFR-4	Aqueous	Methyl tertiary butyl ether (MTBE)	8260B	110	J	ug/L	31
022	TFR-4	Aqueous	Naphthalene	8260B	940	J	ug/L	31
022	TFR-4	Aqueous	Toluene	8260B	39000		ug/L	31
022	TFR-4	Aqueous	Xylenes (total)	8260B	39000		ug/L	31
022	TFR-4	Aqueous	1,2-Dibromoethane (EDB)	8011	85		ug/L	31
023	TFR-6	Aqueous	tert-Amyl alcohol (TAA)	8260B	11000	J	ug/L	32
023	TFR-6	Aqueous	Benzene	8260B	11000		ug/L	32
023	TFR-6	Aqueous	Ethylbenzene	8260B	3600		ug/L	32
023	TFR-6	Aqueous	Naphthalene	8260B	1600	J	ug/L	32
023	TFR-6	Aqueous	Toluene	8260B	53000		ug/L	32
023	TFR-6	Aqueous	Xylenes (total)	8260B	22000		ug/L	32
023	TFR-6	Aqueous	1,2-Dibromoethane (EDB)	8011	150		ug/L	32
024	TFR-9	Aqueous	tert-Amyl alcohol (TAA)	8260B	3100	J	ug/L	33
024	TFR-9	Aqueous	tert-Amyl methyl ether (TAME)	8260B	99	J	ug/L	33
024	TFR-9	Aqueous	Benzene	8260B	2600		ug/L	33
024	TFR-9	Aqueous	1,2-Dichloroethane	8260B	170	J	ug/L	33
024	TFR-9	Aqueous	Ethylbenzene	8260B	550		ug/L	33
024	TFR-9	Aqueous	Naphthalene	8260B	170	J	ug/L	33
024	TFR-9	Aqueous	Toluene	8260B	5400		ug/L	33
024	TFR-9	Aqueous	Xylenes (total)	8260B	3600		ug/L	33
024	TFR-9	Aqueous	1,2-Dibromoethane (EDB)	8011	35		ug/L	33
025	TFR-10	Aqueous	tert-Amyl alcohol (TAA)	8260B	16000	J	ug/L	34
025	TFR-10	Aqueous	Benzene	8260B	15000		ug/L	34
025	TFR-10	Aqueous	1,2-Dichloroethane	8260B	990	J	ug/L	34
025	TFR-10	Aqueous	Ethylbenzene	8260B	2100		ug/L	34
025	TFR-10	Aqueous	Toluene	8260B	32000		ug/L	34
025	TFR-10	Aqueous	Xylenes (total)	8260B	12000		ug/L	34
025	TFR-10	Aqueous	1,2-Dibromoethane (EDB)	8011	67		ug/L	34
026	TFR-11	Aqueous	tert-Amyl alcohol (TAA)	8260B	26000	J	ug/L	35
026	TFR-11	Aqueous	tert-Amyl methyl ether (TAME)	8260B	210	J	ug/L	35
026	TFR-11	Aqueous	Benzene	8260B	22000		ug/L	35
026	TFR-11	Aqueous	1,2-Dichloroethane	8260B	1200	J	ug/L	35
026	TFR-11	Aqueous	Ethylbenzene	8260B	3100		ug/L	35

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
026	TFR-11	Aqueous	Methyl tertiary butyl ether (MTBE)	8260B	1500	J	ug/L	35
026	TFR-11	Aqueous	Naphthalene	8260B	1500	J	ug/L	35
026	TFR-11	Aqueous	Toluene	8260B	50000		ug/L	35
026	TFR-11	Aqueous	Xylenes (total)	8260B	18000		ug/L	35
026	TFR-11	Aqueous	1,2-Dibromoethane (EDB)	8011	400		ug/L	35
028	MW-2(12575)	Aqueous	tert-Amyl alcohol (TAA)	8260B	44	J	ug/L	37
028	MW-2(12575)	Aqueous	Benzene	8260B	60		ug/L	37
028	MW-2(12575)	Aqueous	Ethylbenzene	8260B	260		ug/L	37
028	MW-2(12575)	Aqueous	Naphthalene	8260B	55		ug/L	37
028	MW-2(12575)	Aqueous	Toluene	8260B	16	J	ug/L	37
028	MW-2(12575)	Aqueous	Xylenes (total)	8260B	200		ug/L	37
029	MW-3(12575)	Aqueous	tert-Amyl alcohol (TAA)	8260B	770	J	ug/L	38
029	MW-3(12575)	Aqueous	Benzene	8260B	590		ug/L	38
029	MW-3(12575)	Aqueous	Ethylbenzene	8260B	2100		ug/L	38
029	MW-3(12575)	Aqueous	Naphthalene	8260B	540		ug/L	38
029	MW-3(12575)	Aqueous	Toluene	8260B	8400		ug/L	38
029	MW-3(12575)	Aqueous	Xylenes (total)	8260B	13000		ug/L	38
030	MW-5(12575)	Aqueous	tert-Amyl alcohol (TAA)	8260B	77	J	ug/L	39
030	MW-5(12575)	Aqueous	Benzene	8260B	0.45	J	ug/L	39
030	MW-5(12575)	Aqueous	Naphthalene	8260B	2.7	J	ug/L	39
032	MW-7(12575)	Aqueous	Methyl tertiary butyl ether (MTBE)	8260B	0.72	J	ug/L	41
033	MW-8(12575)	Aqueous	tert-Amyl alcohol (TAA)	8260B	2000		ug/L	42
033	MW-8(12575)	Aqueous	Benzene	8260B	1100		ug/L	42
033	MW-8(12575)	Aqueous	Ethylbenzene	8260B	910		ug/L	42
033	MW-8(12575)	Aqueous	Methyl tertiary butyl ether (MTBE)	8260B	110		ug/L	42
033	MW-8(12575)	Aqueous	Naphthalene	8260B	220		ug/L	42
033	MW-8(12575)	Aqueous	Toluene	8260B	3300		ug/L	42
033	MW-8(12575)	Aqueous	Xylenes (total)	8260B	3200		ug/L	42
034	MW-9(12575)	Aqueous	tert-Amyl alcohol (TAA)	8260B	3600	J	ug/L	43
034	MW-9(12575)	Aqueous	Benzene	8260B	2800		ug/L	43
034	MW-9(12575)	Aqueous	Ethylbenzene	8260B	3200		ug/L	43
034	MW-9(12575)	Aqueous	Naphthalene	8260B	1000		ug/L	43
034	MW-9(12575)	Aqueous	Toluene	8260B	29000		ug/L	43
034	MW-9(12575)	Aqueous	Xylenes (total)	8260B	17000		ug/L	43
034	MW-9(12575)	Aqueous	1,2-Dibromoethane (EDB)	8011	0.90		ug/L	43
037	MW-1R Dup	Aqueous	Benzene	8260B	1000		ug/L	46
037	MW-1R Dup	Aqueous	Ethylbenzene	8260B	3600		ug/L	46
037	MW-1R Dup	Aqueous	Naphthalene	8260B	350	J	ug/L	46
037	MW-1R Dup	Aqueous	Toluene	8260B	16000		ug/L	46
037	MW-1R Dup	Aqueous	Xylenes (total)	8260B	17000		ug/L	46
037	MW-1R Dup	Aqueous	1,2-Dibromoethane (EDB)	8011	3.2		ug/L	46
038	TFR-2 Dup	Aqueous	Benzene	8260B	4100		ug/L	47
038	TFR-2 Dup	Aqueous	Ethylbenzene	8260B	620	J	ug/L	47
038	TFR-2 Dup	Aqueous	Toluene	8260B	22000		ug/L	47
038	TFR-2 Dup	Aqueous	Xylenes (total)	8260B	29000		ug/L	47
038	TFR-2 Dup	Aqueous	1,2-Dibromoethane (EDB)	8011	11		ug/L	47
043	SW-1	Aqueous	tert-butyl alcohol (TBA)	8260B	69	J	ug/L	52
043	SW-1	Aqueous	Toluene	8260B	0.67	J	ug/L	52

Executive Summary (Continued)

Lot Number: OH03005

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
044	SW-2	Aqueous	tert-butyl alcohol (TBA)	8260B	66	J	ug/L	53
044	SW-2	Aqueous	Toluene	8260B	0.64	J	ug/L	53
045	SW-3	Aqueous	tert-butyl alcohol (TBA)	8260B	66	J	ug/L	54
045	SW-3	Aqueous	Toluene	8260B	0.59	J	ug/L	54

(193 detections)

Client: **SC DHEC - UST Management**
Description: **MW-1R**
Date Sampled: **08/01/2013 1103**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-001**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	08/07/2013 0530	TAF		26662

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**1600**	**J**	**10000**	**670**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		1000	20	ug/L	1
Benzene	**71-43-2**	**8260B**	**830**		**500**	**20**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		10000	100	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		500	30	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1000	40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		10000	100	ug/L	1
Ethanol	64-17-5	8260B	ND		100000	3300	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**3400**		**500**	**170**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		10000	20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		500	40	ug/L	1
Naphthalene	**91-20-3**	**8260B**	**540**		**500**	**170**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		10000	670	ug/L	1
Toluene	**108-88-3**	**8260B**	**14000**		**500**	**170**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**17000**		**500**	**170**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		106	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	08/07/2013 1847	RBH	08/06/2013 0855	26596
2	8011	8011	5	08/08/2013 1351	RBH	08/06/2013 0855	26596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**3.6**		**0.097**	**0.097**	**ug/L**	**2**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		106	57-137	N	230	57-137

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

Client: **SC DHEC - UST Management**
Description: **MW-2**
Date Sampled: **08/01/2013 1328**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-002**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	08/07/2013 0310	TAF		26662
2	5030B	8260B	1	08/07/2013 1144	JAC		26729

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**16**	**J**	**100**	**6.7**	**ug/L**	**2**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	2
Benzene	**71-43-2**	**8260B**	**21**		**5.0**	**0.20**	**ug/L**	**2**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	2
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	0.40	ug/L	2
3,3-Dimethyl-1-butanol	**624-95-3**	**8260B**	**16**	**J**	**100**	**1.0**	**ug/L**	**2**
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	2
Ethylbenzene	**100-41-4**	**8260B**	**120**		**5.0**	**1.7**	**ug/L**	**2**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	ug/L	2
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**0.47**	**J**	**5.0**	**0.40**	**ug/L**	**2**
Naphthalene	**91-20-3**	**8260B**	**4.9**	**J**	**5.0**	**1.7**	**ug/L**	**2**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		100	6.7	ug/L	2
Toluene	**108-88-3**	**8260B**	**85**		**5.0**	**1.7**	**ug/L**	**2**
Xylenes (total)	**1330-20-7**	**8260B**	**270**		**25**	**8.5**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Run 1 Acceptance Limits	Q	Run 2 % Recovery	Run 2 Acceptance Limits
1,2-Dichloroethane-d4		91	70-130		90	70-130
Bromofluorobenzene		107	70-130		111	70-130
Toluene-d8		103	70-130		101	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	08/07/2013 1909	RBH	08/06/2013 0855	26596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	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		121	57-137

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

Client: **SC DHEC - UST Management** | Laboratory ID: **OH03005-003**
Description: **MW-3** | Matrix: **Aqueous**
Date Sampled: **08/01/2013 1133**
Date Received: **08/02/2013**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	10	08/07/2013 0357	TAF		26662

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**160**	**J**	**1000**	**67**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		100	2.0	ug/L	1
Benzene	**71-43-2**	**8260B**	**4.8**	**J**	**50**	**2.0**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		1000	10	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		50	3.0	ug/L	1
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**5.6**	**J**	**100**	**4.0**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		1000	10	ug/L	1
Ethanol	64-17-5	8260B	ND		10000	330	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**230**		**50**	**17**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1000	2.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		50	4.0	ug/L	1
Naphthalene	**91-20-3**	**8260B**	**160**		**50**	**17**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		1000	67	ug/L	1
Toluene	**108-88-3**	**8260B**	**260**		**50**	**17**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**2000**		**50**	**17**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		102	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	08/07/2013 1931	RBH	08/06/2013 0855	26596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**0.76**		**0.020**	**0.020**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		110	57-137

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"

Client: **SC DHEC - UST Management**
Description: **MW-5D**
Date Sampled: **08/01/2013 1250**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-004**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/06/2013 2343	TAF		26662

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		100	6.7	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.31**	**J**	**5.0**	**0.20**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**16**		**5.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		5.0	1.7	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		100	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		102	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	08/07/2013 1953	RBH	08/06/2013 0855	26596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	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

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

Client: **SC DHEC - UST Management**
Description: **MW-6**
Date Sampled: **08/01/2013 1300**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-005**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/07/2013 0006	TAF		26662

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**36**	**J**	**100**	**6.7**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	1
Benzene	**71-43-2**	**8260B**	**20**		**5.0**	**0.20**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**11**		**5.0**	**1.7**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	1.7	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		100	6.7	ug/L	1
Toluene	**108-88-3**	**8260B**	**3.0**	**J**	**5.0**	**1.7**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**52**		**5.0**	**1.7**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		106	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	08/07/2013 2014	RBH	08/06/2013 0855	26596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	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

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

Client: **SC DHEC - UST Management** | Laboratory ID: **OH03005-006**
Description: **MW-7** | Matrix: **Aqueous**
Date Sampled: **08/01/2013 1205**
Date Received: **08/02/2013**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	500	08/07/2013 0616	TAF		26662

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**7300**	**J**	**50000**	**3400**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		5000	100	ug/L	1
Benzene	**71-43-2**	**8260B**	**10000**		**2500**	**100**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		50000	500	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		2500	150	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		5000	200	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		50000	500	ug/L	1
Ethanol	64-17-5	8260B	ND		500000	17000	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**5000**		**2500**	**850**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		50000	100	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**310**	**J**	**2500**	**200**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**1800**	**J**	**2500**	**850**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		50000	3400	ug/L	1
Toluene	**108-88-3**	**8260B**	**52000**		**2500**	**850**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**31000**		**2500**	**850**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	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	08/07/2013 2036	RBH	08/06/2013 0855	26596
2	8011	8011	200	08/08/2013 1413	RBH	08/06/2013 0855	26596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**120**		**3.9**	**3.9**	**ug/L**	**2**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		93	57-137	N	0.00	57-137

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"

Client: **SC DHEC - UST Management**
Description: **MW-8**
Date Sampled: **08/01/2013 1221**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-007**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	08/07/2013 0420	TAF		26662

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**2600**	**J**	**5000**	**340**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		500	10	ug/L	1
Benzene	**71-43-2**	**8260B**	**1300**		**250**	**10**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5000	50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		250	15	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		500	20	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		5000	50	ug/L	1
Ethanol	64-17-5	8260B	ND		50000	1700	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**840**		**250**	**85**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		5000	10	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		250	20	ug/L	1
Naphthalene	**91-20-3**	**8260B**	**480**		**250**	**85**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		5000	340	ug/L	1
Toluene	**108-88-3**	**8260B**	**4200**		**250**	**85**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**8900**		**250**	**85**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	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	08/07/2013 2058	RBH	08/06/2013 0855	26596
2	8011	8011	20	08/08/2013 1435	RBH	08/06/2013 0855	26596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**16**		**0.39**	**0.39**	**ug/L**	**2**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		98	57-137	N	386	57-137

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

Client: **SC DHEC - UST Management**
Description: **MW-11R**
Date Sampled: **08/01/2013 1020**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-008**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	1	08/07/2013 1207	JAC		26729

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**77**	**J**	**100**	**6.7**	**ug/L**	**2**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	2
Benzene	**71-43-2**	**8260B**	**3.7**	**J**	**5.0**	**0.20**	**ug/L**	**2**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	2
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	0.40	ug/L	2
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	1.0	ug/L	2
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	2
Ethylbenzene	**100-41-4**	**8260B**	**2.4**	**J**	**5.0**	**1.7**	**ug/L**	**2**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	2
Naphthalene	91-20-3	8260B	ND		5.0	1.7	ug/L	2
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		100	6.7	ug/L	2
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	2
Xylenes (total)	**1330-20-7**	**8260B**	**9.5**		**5.0**	**1.7**	**ug/L**	**2**

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		87	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	08/07/2013 2119	RBH	08/06/2013 0855	26596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	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

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

Client: **SC DHEC - UST Management**
Description: **MW-12**
Date Sampled: **08/01/2013 1040**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-009**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	08/07/2013 0443	TAF		26662

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**660**	**J**	**5000**	**340**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		500	10	ug/L	1
Benzene	**71-43-2**	**8260B**	**99**	**J**	**250**	**10**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5000	50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		250	15	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		500	20	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		5000	50	ug/L	1
Ethanol	64-17-5	8260B	ND		50000	1700	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**130**	**J**	**250**	**85**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		5000	10	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		250	20	ug/L	1
Naphthalene	**91-20-3**	**8260B**	**290**		**250**	**85**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		5000	340	ug/L	1
Toluene	**108-88-3**	**8260B**	**1400**		**250**	**85**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**7100**		**250**	**85**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		107	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	08/07/2013 2141	RBH	08/06/2013 0855	26596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**0.74**		**0.019**	**0.019**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		123	57-137

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"

Client: **SC DHEC - UST Management**
Description: **MW-13**
Date Sampled: **08/01/2013 1227**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-010**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/06/2013 2315	MLH		26661

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		100	6.7	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	1.7	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		100	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		117	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		111	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	08/07/2013 2202	RBH	08/06/2013 0855	26596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	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

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

Client: **SC DHEC - UST Management**
Description: **MW-14**
Date Sampled: **08/01/2013 1017**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-011**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/07/2013 0029	TAF		26662

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**980**		**100**	**6.7**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	1
Benzene	**71-43-2**	**8260B**	**19**		**5.0**	**0.20**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	1
1,2-Dichloroethane	**107-06-2**	**8260B**	**3.5**	**J**	**5.0**	**0.30**	**ug/L**	**1**
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
Naphthalene	**91-20-3**	**8260B**	**8.7**		**5.0**	**1.7**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**31**	**J**	**100**	**6.7**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		103	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	08/07/2013 2224	RBH	08/06/2013 0855	26596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	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		100	57-137

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

Client: **SC DHEC - UST Management**
Description: **MW-15**
Date Sampled: **08/01/2013 1028**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-012**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/07/2013 0052	TAF		26662

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**17**	**J**	**100**	**6.7**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	1.7	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		100	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		97	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	08/07/2013 2245	RBH	08/06/2013 0855	26596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	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

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

Client: **SC DHEC - UST Management**
Description: **MW-16**
Date Sampled: **08/01/2013 1010**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-013**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/07/2013 0115	TAF		26662

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		100	6.7	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	1.7	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		100	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		95	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	08/07/2013 2307	RBH	08/06/2013 0855	26596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	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

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

Client: **SC DHEC - UST Management**
Description: **MW-17R**
Date Sampled: **08/01/2013 1027**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-014**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	08/07/2013 0507	TAF		26662

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**3200**	**J**	**5000**	**340**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**18**	**J**	**500**	**10**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**4700**		**250**	**10**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5000	50	ug/L	1
1,2-Dichloroethane	**107-06-2**	**8260B**	**210**	**J**	**250**	**15**	**ug/L**	**1**
Diisopropyl ether (IPE)	108-20-3	8260B	ND		500	20	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		5000	50	ug/L	1
Ethanol	64-17-5	8260B	ND		50000	1700	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**890**		**250**	**85**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		5000	10	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**140**	**J**	**250**	**20**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**200**	**J**	**250**	**85**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		5000	340	ug/L	1
Toluene	**108-88-3**	**8260B**	**6000**		**250**	**85**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**4400**		**250**	**85**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	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	08/07/2013 2329	RBH	08/06/2013 0855	26596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**0.062**	**P**	**0.020**	**0.020**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		108	57-137

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

Client: **SC DHEC - UST Management**
Description: **MW-18**
Date Sampled: **08/01/2013 1043**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-015**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/07/2013 0138	TAF		26662

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**210**		**100**	**6.7**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.50**	**J**	**5.0**	**0.20**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	1.7	ug/L	1
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**7.3**	**J**	**100**	**6.7**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	70-130
Bromofluorobenzene		99	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	08/07/2013 2350	RBH	08/06/2013 0855	26596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	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		84	57-137

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

Client: **SC DHEC - UST Management**
Description: **MW-19**
Date Sampled: **08/01/2013 0955**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-016**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/07/2013 0201	TAF		26662

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**120**		**100**	**6.7**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	1
Benzene	**71-43-2**	**8260B**	**120**		**5.0**	**0.20**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	1
1,2-Dichloroethane	**107-06-2**	**8260B**	**7.4**		**5.0**	**0.30**	**ug/L**	**1**
Diisopropyl ether (IPE)	**108-20-3**	**8260B**	**0.53**	**J**	**10**	**0.40**	**ug/L**	**1**
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**16**		**5.0**	**0.40**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**5.9**		**5.0**	**1.7**	**ug/L**	**1**
tert-butyl alcohol (TBA)	**75-65-0**	**8260B**	**15**	**J**	**100**	**6.7**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		99	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	08/08/2013 0117	RBH	08/06/2013 1308	26621

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**0.030**		**0.020**	**0.020**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		95	57-137

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

Client: **SC DHEC - UST Management**
Description: **MW-25**
Date Sampled: **08/01/2013 1010**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-017**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/07/2013 0224	TAF		26662

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		100	6.7	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	1.7	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		100	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		102	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	08/08/2013 0138	RBH	08/06/2013 1308	26621

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	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

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

Client: **SC DHEC - UST Management**
Description: **MW-28**
Date Sampled: **08/01/2013 0947**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-018**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/07/2013 0247	TAF		26662

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**14**	**J**	**100**	**6.7**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	1.7	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		100	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		111	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	08/08/2013 0200	RBH	08/06/2013 1308	26621

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.021	0.021	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		83	57-137

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

Client: **SC DHEC - UST Management**
Description: **TFR-1**
Date Sampled: **08/01/2013 1205**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-019**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	500	08/07/2013 0639	TAF		26662

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		50000	3400	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		5000	100	ug/L	1
Benzene	**71-43-2**	**8260B**	**2200**	**J**	**2500**	**100**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		50000	500	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		2500	150	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		5000	200	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		50000	500	ug/L	1
Ethanol	64-17-5	8260B	ND		500000	17000	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**3200**		**2500**	**850**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		50000	100	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**220**	**J**	**2500**	**200**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**1400**	**J**	**2500**	**850**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		50000	3400	ug/L	1
Toluene	**108-88-3**	**8260B**	**35000**		**2500**	**850**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**19000**		**2500**	**850**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		104	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	08/08/2013 0221	RBH	08/06/2013 1308	26621
2	8011	8011	100	08/08/2013 1457	RBH	08/06/2013 1308	26621

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**78**		**2.0**	**2.0**	**ug/L**	**2**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		104	57-137	N	0.00	57-137

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

Client: **SC DHEC - UST Management**
Description: **TFR-2**
Date Sampled: **08/01/2013 1130**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-020**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	200	08/07/2013 0553	TAF		26662

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**2800**	**J**	**20000**	**1300**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		2000	40	ug/L	1
Benzene	**71-43-2**	**8260B**	**3100**		**1000**	**40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		20000	200	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1000	60	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		2000	80	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20000	200	ug/L	1
Ethanol	64-17-5	8260B	ND		200000	6600	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**440**	**J**	**1000**	**340**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		20000	40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1000	80	ug/L	1
Naphthalene	**91-20-3**	**8260B**	**670**	**J**	**1000**	**340**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20000	1300	ug/L	1
Toluene	**108-88-3**	**8260B**	**18000**		**1000**	**340**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**24000**		**1000**	**340**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		101	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	8011	8011	20	08/08/2013 1519	RBH	08/06/2013 1308	26621

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**11**		**0.39**	**0.39**	**ug/L**	**2**

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		98	57-137

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

Client: **SC DHEC - UST Management**
Description: **TFR-3**
Date Sampled: **08/01/2013 1217**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-021**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	200	08/07/2013 1559	JAC		26729

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**3600**	**J**	**20000**	**1300**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		2000	40	ug/L	1
Benzene	**71-43-2**	**8260B**	**7900**		**1000**	**40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		20000	200	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1000	60	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		2000	80	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20000	200	ug/L	1
Ethanol	64-17-5	8260B	ND		200000	6600	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**820**	**J**	**1000**	**340**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		20000	40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1000	80	ug/L	1
Naphthalene	**91-20-3**	**8260B**	**790**	**J**	**1000**	**340**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20000	1300	ug/L	1
Toluene	**108-88-3**	**8260B**	**23000**		**1000**	**340**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**20000**		**1000**	**340**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	70-130
Bromofluorobenzene		106	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	08/08/2013 0304	RBH	08/06/2013 1308	26621
2	8011	8011	200	08/08/2013 1552	RBH	08/06/2013 1308	26621

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**110**		**3.9**	**3.9**	**ug/L**	**2**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		95	57-137	N	0.00	57-137

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"

Client: **SC DHEC - UST Management**
Description: **TFR-4**
Date Sampled: **08/01/2013 1158**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-022**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	200	08/07/2013 1731	JAC		26723
2	5030B	8260B	500	08/08/2013 0356	JJG		26755

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20000	1300	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		2000	40	ug/L	1
Benzene	**71-43-2**	**8260B**	**5700**		**1000**	**40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		20000	200	ug/L	1
1,2-Dichloroethane	**107-06-2**	**8260B**	**130**	**J**	**1000**	**60**	**ug/L**	**1**
Diisopropyl ether (IPE)	108-20-3	8260B	ND		2000	80	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20000	200	ug/L	1
Ethanol	64-17-5	8260B	ND		200000	6600	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**5200**		**1000**	**340**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		20000	40	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**110**	**J**	**1000**	**80**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**940**	**J**	**1000**	**340**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20000	1300	ug/L	1
Toluene	**108-88-3**	**8260B**	**39000**		**2500**	**850**	**ug/L**	**2**
Xylenes (total)	**1330-20-7**	**8260B**	**39000**		**1000**	**340**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Run 1 Acceptance Limits	Q	Run 2 % Recovery	Run 2 Acceptance Limits
1,2-Dichloroethane-d4		121	70-130		119	70-130
Bromofluorobenzene		110	70-130		108	70-130
Toluene-d8		120	70-130		114	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	08/08/2013 0325	RBH	08/06/2013 1308	26621
2	8011	8011	100	08/08/2013 1614	RBH	08/06/2013 1308	26621

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**85**		**2.0**	**2.0**	**ug/L**	**2**

Surrogate	Q	Run 1 % Recovery	Run 1 Acceptance Limits	Q	Run 2 % Recovery	Run 2 Acceptance Limits
1,1,1,2-Tetrachloroethane		96	57-137	N	0.00	57-137

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

Client: **SC DHEC - UST Management**
Description: **TFR-6**
Date Sampled: **08/01/2013 1145**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-023**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	500	08/07/2013 1645	JAC		26729

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**11000**	**J**	**50000**	**3400**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		5000	100	ug/L	1
Benzene	**71-43-2**	**8260B**	**11000**		**2500**	**100**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		50000	500	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		2500	150	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		5000	200	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		50000	500	ug/L	1
Ethanol	64-17-5	8260B	ND		500000	17000	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**3600**		**2500**	**850**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		50000	100	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2500	200	ug/L	1
Naphthalene	**91-20-3**	**8260B**	**1600**	**J**	**2500**	**850**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		50000	3400	ug/L	1
Toluene	**108-88-3**	**8260B**	**53000**		**2500**	**850**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**22000**		**2500**	**850**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		87	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	08/08/2013 0347	RBH	08/06/2013 1308	26621
2	8011	8011	200	08/08/2013 1636	RBH	08/06/2013 1308	26621

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**150**		**4.0**	**4.0**	**ug/L**	**2**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		106	57-137	N	0.00	57-137

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

Client: **SC DHEC - UST Management**
Description: **TFR-9**
Date Sampled: **08/01/2013 1129**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-024**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	08/07/2013 1513	JAC		26729

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**3100**	**J**	**5000**	**340**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**99**	**J**	**500**	**10**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**2600**		**250**	**10**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5000	50	ug/L	1
1,2-Dichloroethane	**107-06-2**	**8260B**	**170**	**J**	**250**	**15**	**ug/L**	**1**
Diisopropyl ether (IPE)	108-20-3	8260B	ND		500	20	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		5000	50	ug/L	1
Ethanol	64-17-5	8260B	ND		50000	1700	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**550**		**250**	**85**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		5000	10	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		250	20	ug/L	1
Naphthalene	**91-20-3**	**8260B**	**170**	**J**	**250**	**85**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		5000	340	ug/L	1
Toluene	**108-88-3**	**8260B**	**5400**		**250**	**85**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**3600**		**250**	**85**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		86	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		95	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	08/08/2013 0408	RBH	08/06/2013 1308	26621
2	8011	8011	50	08/08/2013 1658	RBH	08/06/2013 1308	26621

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**35**		**0.98**	**0.98**	**ug/L**	**2**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		112	57-137	N	229	57-137

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"

Client: **SC DHEC - UST Management**
Description: **TFR-10**
Date Sampled: **08/01/2013 1105**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-025**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	200	08/07/2013 1752	JAC		26723

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**16000**	**J**	**20000**	**1300**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		2000	40	ug/L	1
Benzene	**71-43-2**	**8260B**	**15000**		**1000**	**40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		20000	200	ug/L	1
1,2-Dichloroethane	**107-06-2**	**8260B**	**990**	**J**	**1000**	**60**	**ug/L**	**1**
Diisopropyl ether (IPE)	108-20-3	8260B	ND		2000	80	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20000	200	ug/L	1
Ethanol	64-17-5	8260B	ND		200000	6600	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**2100**		**1000**	**340**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		20000	40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1000	80	ug/L	1
Naphthalene	91-20-3	8260B	ND		1000	340	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20000	1300	ug/L	1
Toluene	**108-88-3**	**8260B**	**32000**		**1000**	**340**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**12000**		**1000**	**340**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		116	70-130
Bromofluorobenzene		105	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	08/08/2013 0430	RBH	08/06/2013 1308	26621
2	8011	8011	100	08/08/2013 1720	RBH	08/06/2013 1308	26621

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**67**		**1.9**	**1.9**	**ug/L**	**2**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		87	57-137	N	213	57-137

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

Client: **SC DHEC - UST Management**
Description: **TFR-11**
Date Sampled: **08/01/2013 1059**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-026**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	500	08/07/2013 1708	JAC		26729

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**26000**	**J**	**50000**	**3400**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	**994-05-8**	**8260B**	**210**	**J**	**5000**	**100**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**22000**		**2500**	**100**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		50000	500	ug/L	1
1,2-Dichloroethane	**107-06-2**	**8260B**	**1200**	**J**	**2500**	**150**	**ug/L**	**1**
Diisopropyl ether (IPE)	108-20-3	8260B	ND		5000	200	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		50000	500	ug/L	1
Ethanol	64-17-5	8260B	ND		500000	17000	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**3100**		**2500**	**850**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		50000	100	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**1500**	**J**	**2500**	**200**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**1500**	**J**	**2500**	**850**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		50000	3400	ug/L	1
Toluene	**108-88-3**	**8260B**	**50000**		**2500**	**850**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**18000**		**2500**	**850**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Bromofluorobenzene		103	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	08/08/2013 0534	RBH	08/06/2013 1308	26621
2	8011	8011	500	08/08/2013 1742	RBH	08/06/2013 1308	26621

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**400**		**10**	**10**	**ug/L**	**2**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		105	57-137	N	0.00	57-137

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

Client: **SC DHEC - UST Management**
Description: **MW-1(12575)**
Date Sampled: **08/01/2013 1353**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-027**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/07/2013 1230	JAC		26729

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		100	6.7	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	1.7	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		100	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		84	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	08/08/2013 0556	RBH	08/06/2013 1308	26621

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	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

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

Client: **SC DHEC - UST Management**
Description: **MW-2(12575)**
Date Sampled: **08/01/2013 1305**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-028**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	5	08/08/2013 0335	JJG		26755

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**44**	**J**	**500**	**34**	**ug/L**	**2**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		50	1.0	ug/L	2
Benzene	**71-43-2**	**8260B**	**60**		**25**	**1.0**	**ug/L**	**2**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		500	5.0	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	ND		25	1.5	ug/L	2
Diisopropyl ether (IPE)	108-20-3	8260B	ND		50	2.0	ug/L	2
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		500	5.0	ug/L	2
Ethanol	64-17-5	8260B	ND		5000	170	ug/L	2
Ethylbenzene	**100-41-4**	**8260B**	**260**		**25**	**8.5**	**ug/L**	**2**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		500	1.0	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		25	2.0	ug/L	2
Naphthalene	**91-20-3**	**8260B**	**55**		**25**	**8.5**	**ug/L**	**2**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		500	34	ug/L	2
Toluene	**108-88-3**	**8260B**	**16**	**J**	**25**	**8.5**	**ug/L**	**2**
Xylenes (total)	**1330-20-7**	**8260B**	**200**		**25**	**8.5**	**ug/L**	**2**

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		124	70-130
Bromofluorobenzene		112	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	08/08/2013 0617	RBH	08/06/2013 1308	26621

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	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		110	57-137

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

Client: **SC DHEC - UST Management**
Description: **MW-3(12575)**
Date Sampled: **08/01/2013 1312**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-029**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	08/07/2013 1536	JAC		26729

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**770**	**J**	**5000**	**340**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		500	10	ug/L	1
Benzene	**71-43-2**	**8260B**	**590**		**250**	**10**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5000	50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		250	15	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		500	20	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		5000	50	ug/L	1
Ethanol	64-17-5	8260B	ND		50000	1700	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**2100**		**250**	**85**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		5000	10	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		250	20	ug/L	1
Naphthalene	**91-20-3**	**8260B**	**540**		**250**	**85**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		5000	340	ug/L	1
Toluene	**108-88-3**	**8260B**	**8400**		**250**	**85**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**13000**		**250**	**85**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		87	70-130
Bromofluorobenzene		106	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	08/08/2013 0638	RBH	08/06/2013 1308	26621

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	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		110	57-137

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

Client: **SC DHEC - UST Management**
Description: **MW-5(12575)**
Date Sampled: **08/01/2013 1425**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-030**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/07/2013 1254	JAC		26729

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**77**	**J**	**100**	**6.7**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.45**	**J**	**5.0**	**0.20**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
Naphthalene	**91-20-3**	**8260B**	**2.7**	**J**	**5.0**	**1.7**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		100	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		105	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	08/08/2013 0700	RBH	08/06/2013 1308	26621

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.021	0.021	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		97	57-137

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

Client: **SC DHEC - UST Management**
Description: **MW-6(12575)**
Date Sampled: **08/01/2013 1410**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-031**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/07/2013 1403	JAC		26729

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		100	6.7	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	1.7	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		100	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		104	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	08/08/2013 0721	RBH	08/06/2013 1308	26621

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.023	0.023	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		104	57-137

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

Client: **SC DHEC - UST Management**
Description: **MW-7(12575)**
Date Sampled: **08/01/2013 1354**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-032**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/07/2013 1426	JAC		26729

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		100	6.7	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**0.72**	**J**	**5.0**	**0.40**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		5.0	1.7	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		100	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		87	70-130
Bromofluorobenzene		93	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	08/08/2013 0743	RBH	08/06/2013 1308	26621

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.022	0.022	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		106	57-137

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

Client: **SC DHEC - UST Management**
Description: **MW-8(12575)**
Date Sampled: **08/01/2013 1348**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-033**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	08/07/2013 1710	JAC		26723

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**2000**		**2000**	**130**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		200	4.0	ug/L	1
Benzene	**71-43-2**	**8260B**	**1100**		**100**	**4.0**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		2000	20	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		100	6.0	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		200	8.0	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		2000	20	ug/L	1
Ethanol	64-17-5	8260B	ND		20000	660	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**910**		**100**	**34**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		2000	4.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**110**		**100**	**8.0**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**220**		**100**	**34**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		2000	130	ug/L	1
Toluene	**108-88-3**	**8260B**	**3300**		**100**	**34**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**3200**		**100**	**34**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		113	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		112	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	08/08/2013 0804	RBH	08/06/2013 1308	26621

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.021	0.021	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		113	57-137

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

Client: **SC DHEC - UST Management**
Description: **MW-9(12575)**
Date Sampled: **08/01/2013 1249**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-034**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	200	08/07/2013 1622	JAC		26729

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	**75-85-4**	**8260B**	**3600**	**J**	**20000**	**1300**	**ug/L**	**1**
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		2000	40	ug/L	1
Benzene	**71-43-2**	**8260B**	**2800**		**1000**	**40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		20000	200	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1000	60	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		2000	80	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20000	200	ug/L	1
Ethanol	64-17-5	8260B	ND		200000	6600	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**3200**		**1000**	**340**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		20000	40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1000	80	ug/L	1
Naphthalene	**91-20-3**	**8260B**	**1000**		**1000**	**340**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20000	1300	ug/L	1
Toluene	**108-88-3**	**8260B**	**29000**		**1000**	**340**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**17000**		**1000**	**340**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		86	70-130
Bromofluorobenzene		109	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	08/08/2013 0826	RBH	08/06/2013 1308	26621

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**0.90**		**0.019**	**0.019**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		101	57-137

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

Client: **SC DHEC - UST Management**
Description: **MW-10(12575)**
Date Sampled: **08/01/2013 1327**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-035**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/07/2013 1317	JAC		26729

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		100	6.7	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	1.7	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		100	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		86	70-130
Bromofluorobenzene		94	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	08/08/2013 0847	RBH	08/06/2013 1308	26621

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	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

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

Client: **SC DHEC - UST Management**
Description: **MW-11(12575)**
Date Sampled: **08/01/2013 1338**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-036**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/07/2013 1340	JAC		26729

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		100	6.7	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	1.7	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		100	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		88	70-130
Bromofluorobenzene		101	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	08/08/2013 1848	RBH	08/06/2013 2132	26660

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.021	0.021	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		88	57-137

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

Client: **SC DHEC - UST Management**
Description: **MW-1R Dup**
Date Sampled: **08/01/2013 1103**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-037**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	200	08/07/2013 1359	JAC		26723

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20000	1300	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		2000	40	ug/L	1
Benzene	**71-43-2**	**8260B**	**1000**		**1000**	**40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		20000	200	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1000	60	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		2000	80	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20000	200	ug/L	1
Ethanol	64-17-5	8260B	ND		200000	6600	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**3600**		**1000**	**340**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		20000	40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1000	80	ug/L	1
Naphthalene	**91-20-3**	**8260B**	**350**	**J**	**1000**	**340**	**ug/L**	**1**
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20000	1300	ug/L	1
Toluene	**108-88-3**	**8260B**	**16000**		**1000**	**340**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**17000**		**1000**	**340**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		113	70-130
Bromofluorobenzene		105	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	08/08/2013 1910	RBH	08/06/2013 2132	26660
2	8011	8011	5	08/09/2013 1023	RBH	08/06/2013 2132	26660

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**3.2**		**0.10**	**0.10**	**ug/L**	**2**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		117	57-137	N	312	57-137

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

Client: **SC DHEC - UST Management**
Description: **TFR-2 Dup**
Date Sampled: **08/01/2013 1130**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-038**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	200	08/07/2013 1419	JAC		26723

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20000	1300	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		2000	40	ug/L	1
Benzene	**71-43-2**	**8260B**	**4100**		**1000**	**40**	**ug/L**	**1**
tert-Butyl formate (TBF)	762-75-4	8260B	ND		20000	200	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1000	60	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		2000	80	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20000	200	ug/L	1
Ethanol	64-17-5	8260B	ND		200000	6600	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**620**	**J**	**1000**	**340**	**ug/L**	**1**
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		20000	40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1000	80	ug/L	1
Naphthalene	91-20-3	8260B	ND		1000	340	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20000	1300	ug/L	1
Toluene	**108-88-3**	**8260B**	**22000**		**1000**	**340**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**29000**		**1000**	**340**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		121	70-130
Bromofluorobenzene		107	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	08/08/2013 1932	RBH	08/06/2013 2132	26660
2	8011	8011	20	08/09/2013 1045	RBH	08/06/2013 2132	26660

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	**106-93-4**	**8011**	**11**		**0.40**	**0.40**	**ug/L**	**2**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		107	57-137	N	315	57-137

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"

Client: **SC DHEC - UST Management**
Description: **MW-1 Dup**
Date Sampled: **08/01/2013 1353**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-039**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/07/2013 1132	JAC		26723

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		100	6.7	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	1.7	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		100	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		123	70-130
Bromofluorobenzene		109	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	08/08/2013 1954	RBH	08/06/2013 2132	26660

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	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

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

Client: **SC DHEC - UST Management**
Description: **Field Blank**
Date Sampled: **08/01/2013 1305**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-040**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/05/2013 2152	TAF		26557

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		100	6.7	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	1.7	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		100	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		122	70-130
Bromofluorobenzene		111	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	08/08/2013 2016	RBH	08/06/2013 2132	26660

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	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

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

Client: **SC DHEC - UST Management**
Description: **Trip Blank**
Date Sampled: **08/01/2013 1430**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-041**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/05/2013 2131	TAF		26557

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		100	6.7	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	1.7	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		100	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		119	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		114	70-130

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

Client: **SC DHEC - UST Management**
Description: **Trip Blank**
Date Sampled: **08/01/2013 1431**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-042**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/05/2013 2333	JJG		26558

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		100	6.7	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	1.7	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		100	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		102	70-130

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

Client: **SC DHEC - UST Management**
Description: **SW-1**
Date Sampled: **08/01/2013 1000**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-043**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/07/2013 1153	JAC		26723

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		100	6.7	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	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**	**69**	**J**	**100**	**6.7**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**0.67**	**J**	**1.0**	**0.33**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		119	70-130
Bromofluorobenzene		108	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	08/08/2013 2038	RBH	08/06/2013 2132	26660

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	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

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

Client: **SC DHEC - UST Management**
Description: **SW-2**
Date Sampled: **08/01/2013 1005**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-044**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/07/2013 1214	JAC		26723

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		100	6.7	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	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**	**66**	**J**	**100**	**6.7**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**0.64**	**J**	**1.0**	**0.33**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		117	70-130
Bromofluorobenzene		103	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	08/08/2013 2143	RBH	08/06/2013 2132	26660

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	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

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

Client: **SC DHEC - UST Management**
Description: **SW-3**
Date Sampled: **08/01/2013 1010**
Date Received: **08/02/2013**

Laboratory ID: **OH03005-045**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/07/2013 1235	JAC		26723

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		100	6.7	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		10	0.20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		100	1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		10	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		100	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		1000	33	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	0.20	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**	**66**	**J**	**100**	**6.7**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**0.59**	**J**	**1.0**	**0.33**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		115	70-130
Bromofluorobenzene		106	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	08/08/2013 2205	RBH	08/06/2013 2132	26660

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	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

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
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: OQ26557-001
Batch: 26557
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	100	6.7	ug/L	08/05/2013 2031
tert-Amyl methyl ether (TAME)	ND		1	10	0.20	ug/L	08/05/2013 2031
Benzene	ND		1	5.0	0.20	ug/L	08/05/2013 2031
tert-Butyl formate (TBF)	ND		1	100	1.0	ug/L	08/05/2013 2031
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	08/05/2013 2031
Diisopropyl ether (IPE)	ND		1	10	0.40	ug/L	08/05/2013 2031
3,3-Dimethyl-1-butanol	ND		1	100	1.0	ug/L	08/05/2013 2031
Ethanol	ND		1	1000	33	ug/L	08/05/2013 2031
Ethylbenzene	ND		1	5.0	1.7	ug/L	08/05/2013 2031
Ethyl-tert-butyl ether (ETBE)	ND		1	100	0.20	ug/L	08/05/2013 2031
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	08/05/2013 2031
Naphthalene	ND		1	5.0	1.7	ug/L	08/05/2013 2031
tert-butyl alcohol (TBA)	ND		1	100	6.7	ug/L	08/05/2013 2031
Toluene	ND		1	5.0	1.7	ug/L	08/05/2013 2031
Xylenes (total)	ND		1	5.0	1.7	ug/L	08/05/2013 2031

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		107	70-130
1,2-Dichloroethane-d4		116	70-130
Toluene-d8		116	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: OQ26557-002
Batch: 26557
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	08/05/2013 1927
tert-Amyl methyl ether (TAME)	50	55		1	111	70-130	08/05/2013 1927
Benzene	50	54		1	109	70-130	08/05/2013 1927
tert-Butyl formate (TBF)	250	280		1	112	70-130	08/05/2013 1927
1,2-Dichloroethane	50	56		1	111	70-130	08/05/2013 1927
Diisopropyl ether (IPE)	50	52		1	105	70-130	08/05/2013 1927
3,3-Dimethyl-1-butanol	1000	1100		1	109	70-130	08/05/2013 1927
Ethanol	5000	5100		1	107	70-130	08/05/2013 1927
Ethylbenzene	50	57		1	115	70-130	08/05/2013 1927
Ethyl-tert-butyl ether (ETBE)	50	52		1	105	70-130	08/05/2013 1927
Methyl tertiary butyl ether (MTBE)	50	53		1	107	70-130	08/05/2013 1927

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: OQ26557-002
Batch: 26557
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	118	70-130	08/05/2013 1927
tert-butyl alcohol (TBA)	1000	1100		1	113	70-130	08/05/2013 1927
Toluene	50	57		1	113	70-130	08/05/2013 1927
Xylenes (total)	100	110		1	114	70-130	08/05/2013 1927

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		106	70-130
1,2-Dichloroethane-d4		115	70-130
Toluene-d8		114	70-130

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: OQ26557-003
Batch: 26557
Analytical Method: 8260B

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	1100		1	113	0.69	70-130	20	08/05/2013 1948
tert-Amyl methyl ether (TAME)	50	56		1	111	0.75	70-130	20	08/05/2013 1948
Benzene	50	55		1	110	0.94	70-130	20	08/05/2013 1948
tert-Butyl formate (TBF)	250	280		1	112	0.42	70-130	20	08/05/2013 1948
1,2-Dichloroethane	50	57		1	113	1.8	70-130	20	08/05/2013 1948
Diisopropyl ether (IPE)	50	52		1	104	0.68	70-130	20	08/05/2013 1948
3,3-Dimethyl-1-butanol	1000	1100		1	109	0.59	70-130	20	08/05/2013 1948
Ethanol	5000	5400		1	107	0.42	70-130	20	08/05/2013 1948
Ethylbenzene	50	58		1	117	1.8	70-130	20	08/05/2013 1948
Ethyl-tert-butyl ether (ETBE)	50	54		1	108	3.0	70-130	20	08/05/2013 1948
Methyl tertiary butyl ether (MTBE)	50	55		1	110	3.2	70-130	20	08/05/2013 1948
Naphthalene	50	59		1	117	0.21	70-130	20	08/05/2013 1948
tert-butyl alcohol (TBA)	1000	1100		1	113	0.55	70-130	20	08/05/2013 1948
Toluene	50	57		1	115	1.3	70-130	20	08/05/2013 1948
Xylenes (total)	100	120		1	116	1.3	70-130	20	08/05/2013 1948

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		108	70-130
1,2-Dichloroethane-d4		119	70-130
Toluene-d8		115	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: OQ26558-001
Batch: 26558
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	100	6.7	ug/L	08/05/2013 2227
tert-Amyl methyl ether (TAME)	ND		1	10	0.20	ug/L	08/05/2013 2227
Benzene	ND		1	5.0	0.20	ug/L	08/05/2013 2227
tert-Butyl formate (TBF)	ND		1	100	1.0	ug/L	08/05/2013 2227
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	08/05/2013 2227
Diisopropyl ether (IPE)	ND		1	10	0.40	ug/L	08/05/2013 2227
3,3-Dimethyl-1-butanol	ND		1	100	1.0	ug/L	08/05/2013 2227
Ethanol	ND		1	1000	33	ug/L	08/05/2013 2227
Ethylbenzene	ND		1	5.0	1.7	ug/L	08/05/2013 2227
Ethyl-tert-butyl ether (ETBE)	ND		1	100	0.20	ug/L	08/05/2013 2227
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	08/05/2013 2227
Naphthalene	ND		1	5.0	1.7	ug/L	08/05/2013 2227
tert-butyl alcohol (TBA)	ND		1	100	6.7	ug/L	08/05/2013 2227
Toluene	ND		1	5.0	1.7	ug/L	08/05/2013 2227
Xylenes (total)	ND		1	5.0	1.7	ug/L	08/05/2013 2227

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		106	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: OQ26558-002
Batch: 26558
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	960		1	96	70-130	08/05/2013 2054
tert-Amyl methyl ether (TAME)	50	47		1	95	70-130	08/05/2013 2054
Benzene	50	47		1	94	70-130	08/05/2013 2054
tert-Butyl formate (TBF)	250	210		1	85	70-130	08/05/2013 2054
1,2-Dichloroethane	50	46		1	92	70-130	08/05/2013 2054
Diisopropyl ether (IPE)	50	48		1	96	70-130	08/05/2013 2054
3,3-Dimethyl-1-butanol	1000	1000		1	100	70-130	08/05/2013 2054
Ethanol	5000	4700		1	94	70-130	08/05/2013 2054
Ethylbenzene	50	51		1	102	70-130	08/05/2013 2054
Ethyl-tert-butyl ether (ETBE)	50	46		1	92	70-130	08/05/2013 2054
Methyl tertiary butyl ether (MTBE)	50	44		1	89	70-130	08/05/2013 2054

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: OQ26558-002
Batch: 26558
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	51		1	101	70-130	08/05/2013 2054
tert-butyl alcohol (TBA)	1000	1000		1	103	70-130	08/05/2013 2054
Toluene	50	51		1	102	70-130	08/05/2013 2054
Xylenes (total)	100	110		1	107	70-130	08/05/2013 2054

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		107	70-130
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		97	70-130

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: OQ26558-003
Batch: 26558
Analytical Method: 8260B
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	4.1	70-130	20	08/05/2013 2117
tert-Amyl methyl ether (TAME)	50	50		1	100	5.7	70-130	20	08/05/2013 2117
Benzene	50	48		1	96	2.5	70-130	20	08/05/2013 2117
tert-Butyl formate (TBF)	250	230		1	92	7.7	70-130	20	08/05/2013 2117
1,2-Dichloroethane	50	49		1	98	6.2	70-130	20	08/05/2013 2117
Diisopropyl ether (IPE)	50	51		1	102	6.5	70-130	20	08/05/2013 2117
3,3-Dimethyl-1-butanol	1000	1000		1	101	1.7	70-130	20	08/05/2013 2117
Ethanol	5000	4700		1	94	0.24	70-130	20	08/05/2013 2117
Ethylbenzene	50	52		1	104	2.4	70-130	20	08/05/2013 2117
Ethyl-tert-butyl ether (ETBE)	50	51		1	101	9.6	70-130	20	08/05/2013 2117
Methyl tertiary butyl ether (MTBE)	50	49		1	97	9.0	70-130	20	08/05/2013 2117
Naphthalene	50	53		1	105	3.9	70-130	20	08/05/2013 2117
tert-butyl alcohol (TBA)	1000	1100		1	107	3.7	70-130	20	08/05/2013 2117
Toluene	50	50		1	100	1.8	70-130	20	08/05/2013 2117
Xylenes (total)	100	100		1	105	1.8	70-130	20	08/05/2013 2117

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		105	70-130
1,2-Dichloroethane-d4		94	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 - MB

Sample ID: OQ26661-001
Batch: 26661
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	100	6.7	ug/L	08/06/2013 2131
tert-Amyl methyl ether (TAME)	ND		1	10	0.20	ug/L	08/06/2013 2131
Benzene	ND		1	5.0	0.20	ug/L	08/06/2013 2131
tert-Butyl formate (TBF)	ND		1	100	1.0	ug/L	08/06/2013 2131
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	08/06/2013 2131
Diisopropyl ether (IPE)	ND		1	10	0.40	ug/L	08/06/2013 2131
3,3-Dimethyl-1-butanol	ND		1	100	1.0	ug/L	08/06/2013 2131
Ethanol	ND		1	1000	33	ug/L	08/06/2013 2131
Ethylbenzene	ND		1	5.0	1.7	ug/L	08/06/2013 2131
Ethyl-tert-butyl ether (ETBE)	ND		1	100	0.20	ug/L	08/06/2013 2131
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	08/06/2013 2131
Naphthalene	ND		1	5.0	1.7	ug/L	08/06/2013 2131
tert-butyl alcohol (TBA)	ND		1	100	6.7	ug/L	08/06/2013 2131
Toluene	ND		1	5.0	1.7	ug/L	08/06/2013 2131
Xylenes (total)	ND		1	5.0	1.7	ug/L	08/06/2013 2131

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		106	70-130
1,2-Dichloroethane-d4		115	70-130
Toluene-d8		110	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: OQ26661-002
Batch: 26661
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	115	70-130	08/06/2013 2007
tert-Amyl methyl ether (TAME)	50	53		1	106	70-130	08/06/2013 2007
Benzene	50	56		1	113	70-130	08/06/2013 2007
tert-Butyl formate (TBF)	250	280		1	110	70-130	08/06/2013 2007
1,2-Dichloroethane	50	57		1	115	70-130	08/06/2013 2007
Diisopropyl ether (IPE)	50	55		1	110	70-130	08/06/2013 2007
3,3-Dimethyl-1-butanol	1000	1100		1	111	70-130	08/06/2013 2007
Ethanol	5000	5100		1	102	70-130	08/06/2013 2007
Ethylbenzene	50	59		1	119	70-130	08/06/2013 2007
Ethyl-tert-butyl ether (ETBE)	50	55		1	110	70-130	08/06/2013 2007
Methyl tertiary butyl ether (MTBE)	50	57		1	114	70-130	08/06/2013 2007

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: OQ26661-002
Batch: 26661
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	115	70-130	08/06/2013 2007
tert-butyl alcohol (TBA)	1000	1200		1	116	70-130	08/06/2013 2007
Toluene	50	59		1	118	70-130	08/06/2013 2007
Xylenes (total)	100	120		1	119	70-130	08/06/2013 2007

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		106	70-130
1,2-Dichloroethane-d4		114	70-130
Toluene-d8		111	70-130

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: OQ26661-003
Batch: 26661
Analytical Method: 8260B

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	1100		1	113	2.2	70-130	20	08/06/2013 2028
tert-Amyl methyl ether (TAME)	50	58		1	116	8.9	70-130	20	08/06/2013 2028
Benzene	50	55		1	111	1.8	70-130	20	08/06/2013 2028
tert-Butyl formate (TBF)	250	290		1	117	6.0	70-130	20	08/06/2013 2028
1,2-Dichloroethane	50	56		1	111	3.3	70-130	20	08/06/2013 2028
Diisopropyl ether (IPE)	50	54		1	108	1.3	70-130	20	08/06/2013 2028
3,3-Dimethyl-1-butanol	1000	1100		1	109	1.6	70-130	20	08/06/2013 2028
Ethanol	5000	5000		1	99	2.7	70-130	20	08/06/2013 2028
Ethylbenzene	50	59		1	117	1.3	70-130	20	08/06/2013 2028
Ethyl-tert-butyl ether (ETBE)	50	56		1	111	1.3	70-130	20	08/06/2013 2028
Methyl tertiary butyl ether (MTBE)	50	58		1	116	1.7	70-130	20	08/06/2013 2028
Naphthalene	50	56		1	113	1.6	70-130	20	08/06/2013 2028
tert-butyl alcohol (TBA)	1000	1100		1	108	6.6	70-130	20	08/06/2013 2028
Toluene	50	57		1	115	2.5	70-130	20	08/06/2013 2028
Xylenes (total)	100	120		1	116	2.0	70-130	20	08/06/2013 2028

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		110	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: OQ26662-001
Batch: 26662
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	100	6.7	ug/L	08/06/2013 2316
tert-Amyl methyl ether (TAME)	ND		1	10	0.20	ug/L	08/06/2013 2316
Benzene	ND		1	5.0	0.20	ug/L	08/06/2013 2316
tert-Butyl formate (TBF)	ND		1	100	1.0	ug/L	08/06/2013 2316
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	08/06/2013 2316
Diisopropyl ether (IPE)	ND		1	10	0.40	ug/L	08/06/2013 2316
3,3-Dimethyl-1-butanol	ND		1	100	1.0	ug/L	08/06/2013 2316
Ethanol	ND		1	1000	33	ug/L	08/06/2013 2316
Ethylbenzene	ND		1	5.0	1.7	ug/L	08/06/2013 2316
Ethyl-tert-butyl ether (ETBE)	ND		1	100	0.20	ug/L	08/06/2013 2316
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	08/06/2013 2316
Naphthalene	ND		1	5.0	1.7	ug/L	08/06/2013 2316
tert-butyl alcohol (TBA)	ND		1	100	6.7	ug/L	08/06/2013 2316
Toluene	ND		1	5.0	1.7	ug/L	08/06/2013 2316
Xylenes (total)	ND		1	5.0	1.7	ug/L	08/06/2013 2316

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	70-130
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		106	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: OQ26662-002
Batch: 26662
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	930		1	93	70-130	08/06/2013 2144
tert-Amyl methyl ether (TAME)	50	48		1	96	70-130	08/06/2013 2144
Benzene	50	46		1	92	70-130	08/06/2013 2144
tert-Butyl formate (TBF)	250	210		1	83	70-130	08/06/2013 2144
1,2-Dichloroethane	50	45		1	89	70-130	08/06/2013 2144
Diisopropyl ether (IPE)	50	47		1	94	70-130	08/06/2013 2144
3,3-Dimethyl-1-butanol	1000	980		1	98	70-130	08/06/2013 2144
Ethanol	5000	4500		1	91	70-130	08/06/2013 2144
Ethylbenzene	50	50		1	101	70-130	08/06/2013 2144
Ethyl-tert-butyl ether (ETBE)	50	47		1	93	70-130	08/06/2013 2144
Methyl tertiary butyl ether (MTBE)	50	43		1	87	70-130	08/06/2013 2144

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: OQ26662-002
Batch: 26662
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	52		1	103	70-130	08/06/2013 2144
tert-butyl alcohol (TBA)	1000	990		1	99	70-130	08/06/2013 2144
Toluene	50	50		1	101	70-130	08/06/2013 2144
Xylenes (total)	100	100		1	102	70-130	08/06/2013 2144

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		96	70-130
1,2-Dichloroethane-d4		86	70-130
Toluene-d8		98	70-130

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: OQ26662-003
Batch: 26662
Analytical Method: 8260B

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	970		1	97	4.7	70-130	20	08/06/2013 2207
tert-Amyl methyl ether (TAME)	50	51		1	101	5.3	70-130	20	08/06/2013 2207
Benzene	50	47		1	94	2.3	70-130	20	08/06/2013 2207
tert-Butyl formate (TBF)	250	210		1	83	0.56	70-130	20	08/06/2013 2207
1,2-Dichloroethane	50	47		1	94	5.0	70-130	20	08/06/2013 2207
Diisopropyl ether (IPE)	50	48		1	96	2.0	70-130	20	08/06/2013 2207
3,3-Dimethyl-1-butanol	1000	1000		1	102	3.7	70-130	20	08/06/2013 2207
Ethanol	5000	4800		1	96	5.0	70-130	20	08/06/2013 2207
Ethylbenzene	50	52		1	103	2.3	70-130	20	08/06/2013 2207
Ethyl-tert-butyl ether (ETBE)	50	49		1	98	4.5	70-130	20	08/06/2013 2207
Methyl tertiary butyl ether (MTBE)	50	47		1	94	8.0	70-130	20	08/06/2013 2207
Naphthalene	50	51		1	102	1.4	70-130	20	08/06/2013 2207
tert-butyl alcohol (TBA)	1000	1100		1	107	8.4	70-130	20	08/06/2013 2207
Toluene	50	50		1	100	0.63	70-130	20	08/06/2013 2207
Xylenes (total)	100	110		1	107	4.9	70-130	20	08/06/2013 2207

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		96	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 - Duplicate

Sample ID: OH03005-001DU
Batch: 26662
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	1600	1500	J	100	2.7	20	08/07/2013 0703
tert-Amyl methyl ether (TAME)	ND	ND		100	0.00	20	08/07/2013 0703
Benzene	830	840		100	2.0	20	08/07/2013 0703
tert-Butyl formate (TBF)	ND	ND		100	0.00	20	08/07/2013 0703
1,2-Dichloroethane	ND	ND		100	0.00	20	08/07/2013 0703
Diisopropyl ether (IPE)	ND	ND		100	0.00	20	08/07/2013 0703
3,3-Dimethyl-1-butanol	ND	ND		100	0.00	20	08/07/2013 0703
Ethanol	ND	ND		100	0.00	20	08/07/2013 0703
Ethylbenzene	3400	3300		100	1.8	20	08/07/2013 0703
Ethyl-tert-butyl ether (ETBE)	ND	ND		100	0.00	20	08/07/2013 0703
Methyl tertiary butyl ether (MTBE)	ND	ND		100	0.00	20	08/07/2013 0703
Naphthalene	540	530		100	3.0	20	08/07/2013 0703
tert-butyl alcohol (TBA)	ND	ND		100	0.00	20	08/07/2013 0703
Toluene	14000	15000		100	5.1	20	08/07/2013 0703
Xylenes (total)	17000	17000		100	0.94	20	08/07/2013 0703

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		101	70-130
Toluene-d8		101	70-130

Volatile Organic Compounds by GC/MS - MS

Sample ID: OH03005-014MS
Batch: 26662
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)	3200	50000	49000		50	92	70-130	08/07/2013 0726
tert-Amyl methyl ether (TAME)	18	2500	2600		50	103	70-130	08/07/2013 0726
Benzene	4700	2500	7100		50	98	70-130	08/07/2013 0726
tert-Butyl formate (TBF)	ND	13000	9900		50	80	70-130	08/07/2013 0726
1,2-Dichloroethane	210	2500	2600		50	97	70-130	08/07/2013 0726
Diisopropyl ether (IPE)	ND	2500	2600		50	104	70-130	08/07/2013 0726
3,3-Dimethyl-1-butanol	ND	50000	50000		50	99	70-130	08/07/2013 0726
Ethanol	ND	250000	230000		50	92	70-130	08/07/2013 0726
Ethylbenzene	890	2500	3500		50	103	70-130	08/07/2013 0726
Ethyl-tert-butyl ether (ETBE)	ND	2500	2600		50	104	70-130	08/07/2013 0726
Methyl tertiary butyl ether (MTBE)	140	2500	2700		50	101	70-130	08/07/2013 0726

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: OH03005-014MS
Batch: 26662
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	200	2500	2600		50	96	70-130	08/07/2013 0726
tert-butyl alcohol (TBA)	ND	50000	51000		50	102	70-130	08/07/2013 0726
Toluene	6000	2500	8500		50	103	70-130	08/07/2013 0726
Xylenes (total)	4400	5000	10000		50	114	70-130	08/07/2013 0726

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		86	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		100	70-130

Volatile Organic Compounds by GC/MS - MB

Sample ID: OQ26723-001
Batch: 26723
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	100	6.7	ug/L	08/07/2013 0934
tert-Amyl methyl ether (TAME)	ND		1	10	0.20	ug/L	08/07/2013 0934
Benzene	ND		1	5.0	0.20	ug/L	08/07/2013 0934
tert-Butyl formate (TBF)	ND		1	100	1.0	ug/L	08/07/2013 0934
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	08/07/2013 0934
Diisopropyl ether (IPE)	ND		1	10	0.40	ug/L	08/07/2013 0934
3,3-Dimethyl-1-butanol	ND		1	100	1.0	ug/L	08/07/2013 0934
Ethanol	ND		1	1000	33	ug/L	08/07/2013 0934
Ethylbenzene	ND		1	5.0	1.7	ug/L	08/07/2013 0934
Ethyl-tert-butyl ether (ETBE)	ND		1	100	0.20	ug/L	08/07/2013 0934
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	08/07/2013 0934
Naphthalene	ND		1	5.0	1.7	ug/L	08/07/2013 0934
tert-butyl alcohol (TBA)	ND		1	100	6.7	ug/L	08/07/2013 0934
Toluene	ND		1	5.0	1.7	ug/L	08/07/2013 0934
Xylenes (total)	ND		1	5.0	1.7	ug/L	08/07/2013 0934

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		105	70-130
1,2-Dichloroethane-d4		114	70-130
Toluene-d8		110	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: OQ26723-002
Batch: 26723
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	115	70-130	08/07/2013 0831
tert-Amyl methyl ether (TAME)	50	59		1	117	70-130	08/07/2013 0831
Benzene	50	57		1	114	70-130	08/07/2013 0831
tert-Butyl formate (TBF)	250	290		1	115	70-130	08/07/2013 0831
1,2-Dichloroethane	50	59		1	118	70-130	08/07/2013 0831
Diisopropyl ether (IPE)	50	55		1	110	70-130	08/07/2013 0831
3,3-Dimethyl-1-butanol	1000	1100		1	109	70-130	08/07/2013 0831
Ethanol	5000	5000		1	100	70-130	08/07/2013 0831
Ethylbenzene	50	60		1	121	70-130	08/07/2013 0831
Ethyl-tert-butyl ether (ETBE)	50	52		1	103	70-130	08/07/2013 0831
Methyl tertiary butyl ether (MTBE)	50	59		1	118	70-130	08/07/2013 0831
Naphthalene	50	55		1	110	70-130	08/07/2013 0831
tert-butyl alcohol (TBA)	1000	1100		1	114	70-130	08/07/2013 0831
Toluene	50	60		1	120	70-130	08/07/2013 0831
Xylenes (total)	100	120		1	119	70-130	08/07/2013 0831

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		109	70-130
1,2-Dichloroethane-d4		127	70-130
Toluene-d8		118	70-130

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: OQ26723-003
Batch: 26723
Analytical Method: 8260B

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	1100		1	109	5.8	70-130	20	08/07/2013 0852
tert-Amyl methyl ether (TAME)	50	57		1	113	3.4	70-130	20	08/07/2013 0852
Benzene	50	56		1	111	2.5	70-130	20	08/07/2013 0852
tert-Butyl formate (TBF)	250	280		1	110	4.2	70-130	20	08/07/2013 0852
1,2-Dichloroethane	50	57		1	113	3.7	70-130	20	08/07/2013 0852
Diisopropyl ether (IPE)	50	54		1	108	1.1	70-130	20	08/07/2013 0852
3,3-Dimethyl-1-butanol	1000	1000		1	101	7.8	70-130	20	08/07/2013 0852
Ethanol	5000	4800		1	95	5.8	70-130	20	08/07/2013 0852
Ethylbenzene	50	61		1	122	1.1	70-130	20	08/07/2013 0852
Ethyl-tert-butyl ether (ETBE)	50	54		1	107	3.9	70-130	20	08/07/2013 0852
Methyl tertiary butyl ether (MTBE)	50	55		1	109	7.5	70-130	20	08/07/2013 0852

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 - LCSD

Sample ID: OQ26723-003
Batch: 26723
Analytical Method: 8260B

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	54		1	108	1.9	70-130	20	08/07/2013 0852
tert-butyl alcohol (TBA)	1000	1000		1	104	9.1	70-130	20	08/07/2013 0852
Toluene	50	58		1	117	2.4	70-130	20	08/07/2013 0852
Xylenes (total)	100	120		1	120	1.1	70-130	20	08/07/2013 0852

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		106	70-130
1,2-Dichloroethane-d4		121	70-130
Toluene-d8		113	70-130

Volatile Organic Compounds by GC/MS - MB

Sample ID: OQ26723-001
Batch: 26723
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	100	6.7	ug/L	08/07/2013 0934
tert-Amyl methyl ether (TAME)	ND		1	10	0.20	ug/L	08/07/2013 0934
Benzene	ND		1	1.0	0.13	ug/L	08/07/2013 0934
tert-Butyl formate (TBF)	ND		1	100	1.0	ug/L	08/07/2013 0934
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	08/07/2013 0934
Diisopropyl ether (IPE)	ND		1	10	0.40	ug/L	08/07/2013 0934
3,3-Dimethyl-1-butanol	ND		1	100	1.0	ug/L	08/07/2013 0934
Ethanol	ND		1	1000	33	ug/L	08/07/2013 0934
Ethylbenzene	ND		1	1.0	0.33	ug/L	08/07/2013 0934
Ethyl-tert-butyl ether (ETBE)	ND		1	100	0.20	ug/L	08/07/2013 0934
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	08/07/2013 0934
Naphthalene	ND		1	1.0	0.40	ug/L	08/07/2013 0934
tert-butyl alcohol (TBA)	ND		1	100	6.7	ug/L	08/07/2013 0934
Toluene	ND		1	1.0	0.33	ug/L	08/07/2013 0934
Xylenes (total)	ND		1	1.0	0.33	ug/L	08/07/2013 0934

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		105	70-130
1,2-Dichloroethane-d4		114	70-130
Toluene-d8		110	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: OQ26723-002
Batch: 26723
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	115	70-130	08/07/2013 0831
tert-Amyl methyl ether (TAME)	50	59		1	117	70-130	08/07/2013 0831
Benzene	50	57		1	114	70-130	08/07/2013 0831
tert-Butyl formate (TBF)	250	290		1	115	70-130	08/07/2013 0831
1,2-Dichloroethane	50	59		1	118	70-130	08/07/2013 0831
Diisopropyl ether (IPE)	50	55		1	110	70-130	08/07/2013 0831
3,3-Dimethyl-1-butanol	1000	1100		1	109	70-130	08/07/2013 0831
Ethanol	5000	5000		1	100	70-130	08/07/2013 0831
Ethylbenzene	50	60		1	121	70-130	08/07/2013 0831
Ethyl-tert-butyl ether (ETBE)	50	52		1	103	70-130	08/07/2013 0831
Methyl tertiary butyl ether (MTBE)	50	59		1	118	70-130	08/07/2013 0831
Naphthalene	50	55		1	110	70-130	08/07/2013 0831
tert-butyl alcohol (TBA)	1000	1100		1	114	70-130	08/07/2013 0831
Toluene	50	60		1	120	70-130	08/07/2013 0831
Xylenes (total)	100	120		1	119	70-130	08/07/2013 0831

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		109	70-130
1,2-Dichloroethane-d4		127	70-130
Toluene-d8		118	70-130

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: OQ26723-003
Batch: 26723
Analytical Method: 8260B

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	1100		1	109	5.8	70-130	20	08/07/2013 0852
tert-Amyl methyl ether (TAME)	50	57		1	113	3.4	70-130	20	08/07/2013 0852
Benzene	50	56		1	111	2.5	70-130	20	08/07/2013 0852
tert-Butyl formate (TBF)	250	280		1	110	4.2	70-130	20	08/07/2013 0852
1,2-Dichloroethane	50	57		1	113	3.7	70-130	20	08/07/2013 0852
Diisopropyl ether (IPE)	50	54		1	108	1.1	70-130	20	08/07/2013 0852
3,3-Dimethyl-1-butanol	1000	1000		1	101	7.8	70-130	20	08/07/2013 0852
Ethanol	5000	4800		1	95	5.5	70-130	20	08/07/2013 0852
Ethylbenzene	50	61		1	122	1.1	70-130	20	08/07/2013 0852
Ethyl-tert-butyl ether (ETBE)	50	54		1	107	3.9	70-130	20	08/07/2013 0852
Methyl tertiary butyl ether (MTBE)	50	55		1	109	7.5	70-130	20	08/07/2013 0852

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 - LCSD

Sample ID: OQ26723-003
Batch: 26723
Analytical Method: 8260B

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	54		1	108	1.9	70-130	20	08/07/2013 0852
tert-butyl alcohol (TBA)	1000	1000		1	104	9.1	70-130	20	08/07/2013 0852
Toluene	50	58		1	117	2.4	70-130	20	08/07/2013 0852
Xylenes (total)	100	120		1	120	1.1	70-130	20	08/07/2013 0852

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		106	70-130
1,2-Dichloroethane-d4		121	70-130
Toluene-d8		113	70-130

Volatile Organic Compounds by GC/MS - MB

Sample ID: OQ26729-001
Batch: 26729
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	100	6.7	ug/L	08/07/2013 1121
tert-Amyl methyl ether (TAME)	ND		1	10	0.20	ug/L	08/07/2013 1121
Benzene	ND		1	5.0	0.20	ug/L	08/07/2013 1121
tert-Butyl formate (TBF)	ND		1	100	1.0	ug/L	08/07/2013 1121
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	08/07/2013 1121
Diisopropyl ether (IPE)	ND		1	10	0.40	ug/L	08/07/2013 1121
3,3-Dimethyl-1-butanol	ND		1	100	1.0	ug/L	08/07/2013 1121
Ethanol	ND		1	1000	33	ug/L	08/07/2013 1121
Ethylbenzene	ND		1	5.0	1.7	ug/L	08/07/2013 1121
Ethyl-tert-butyl ether (ETBE)	ND		1	100	0.20	ug/L	08/07/2013 1121
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	08/07/2013 1121
Naphthalene	ND		1	5.0	1.7	ug/L	08/07/2013 1121
tert-butyl alcohol (TBA)	ND		1	100	6.7	ug/L	08/07/2013 1121
Toluene	ND		1	5.0	1.7	ug/L	08/07/2013 1121
Xylenes (total)	ND		1	5.0	1.7	ug/L	08/07/2013 1121

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	70-130
1,2-Dichloroethane-d4		91	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 - LCS

Sample ID: OQ26729-002
Batch: 26729
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	08/07/2013 0948
tert-Amyl methyl ether (TAME)	50	50		1	100	70-130	08/07/2013 0948
Benzene	50	45		1	91	70-130	08/07/2013 0948
tert-Butyl formate (TBF)	250	230		1	90	70-130	08/07/2013 0948
1,2-Dichloroethane	50	45		1	90	70-130	08/07/2013 0948
Diisopropyl ether (IPE)	50	49		1	99	70-130	08/07/2013 0948
3,3-Dimethyl-1-butanol	1000	1000		1	104	70-130	08/07/2013 0948
Ethanol	5000	5100		1	102	70-130	08/07/2013 0948
Ethylbenzene	50	52		1	103	70-130	08/07/2013 0948
Ethyl-tert-butyl ether (ETBE)	50	48		1	97	70-130	08/07/2013 0948
Methyl tertiary butyl ether (MTBE)	50	48		1	95	70-130	08/07/2013 0948
Naphthalene	50	51		1	102	70-130	08/07/2013 0948
tert-butyl alcohol (TBA)	1000	1100		1	111	70-130	08/07/2013 0948
Toluene	50	50		1	99	70-130	08/07/2013 0948
Xylenes (total)	100	110		1	108	70-130	08/07/2013 0948

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		87	70-130
Toluene-d8		93	70-130

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: OQ26729-003
Batch: 26729
Analytical Method: 8260B

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	980		1	98	1.0	70-130	20	08/07/2013 1012
tert-Amyl methyl ether (TAME)	50	48		1	97	3.1	70-130	20	08/07/2013 1012
Benzene	50	45		1	89	1.7	70-130	20	08/07/2013 1012
tert-Butyl formate (TBF)	250	220		1	88	2.1	70-130	20	08/07/2013 1012
1,2-Dichloroethane	50	45		1	90	0.22	70-130	20	08/07/2013 1012
Diisopropyl ether (IPE)	50	49		1	99	0.33	70-130	20	08/07/2013 1012
3,3-Dimethyl-1-butanol	1000	1000		1	101	3.0	70-130	20	08/07/2013 1012
Ethanol	5000	4600		1	91	11	70-130	20	08/07/2013 1012
Ethylbenzene	50	50		1	99	3.9	70-130	20	08/07/2013 1012
Ethyl-tert-butyl ether (ETBE)	50	50		1	99	2.1	70-130	20	08/07/2013 1012
Methyl tertiary butyl ether (MTBE)	50	47		1	94	1.1	70-130	20	08/07/2013 1012

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 - LCSD

Sample ID: OQ26729-003
Batch: 26729
Analytical Method: 8260B

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	52		1	105	2.8	70-130	20	08/07/2013 1012
tert-butyl alcohol (TBA)	1000	1100		1	106	4.3	70-130	20	08/07/2013 1012
Toluene	50	49		1	98	0.89	70-130	20	08/07/2013 1012
Xylenes (total)	100	110		1	105	3.1	70-130	20	08/07/2013 1012

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	70-130
1,2-Dichloroethane-d4		88	70-130
Toluene-d8		97	70-130

Volatile Organic Compounds by GC/MS - MS

Sample ID: OH03005-034MS
Batch: 26729
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)	3600	200000	180000		200	87	70-130	08/07/2013 1731
tert-Amyl methyl ether (TAME)	ND	10000	9800		200	98	70-130	08/07/2013 1731
Benzene	2800	10000	12000		200	95	70-130	08/07/2013 1731
tert-Butyl formate (TBF)	ND	50000	44000		200	88	70-130	08/07/2013 1731
1,2-Dichloroethane	ND	10000	9600		200	96	70-130	08/07/2013 1731
Diisopropyl ether (IPE)	ND	10000	10000		200	100	70-130	08/07/2013 1731
3,3-Dimethyl-1-butanol	ND	200000	190000		200	97	70-130	08/07/2013 1731
Ethanol	ND	1000000	850000		200	85	70-130	08/07/2013 1731
Ethylbenzene	3200	10000	13000		200	101	70-130	08/07/2013 1731
Ethyl-tert-butyl ether (ETBE)	ND	10000	9400		200	94	70-130	08/07/2013 1731
Methyl tertiary butyl ether (MTBE)	ND	10000	9200		200	91	70-130	08/07/2013 1731
Naphthalene	1000	10000	12000		200	105	70-130	08/07/2013 1731
tert-butyl alcohol (TBA)	ND	200000	200000		200	98	70-130	08/07/2013 1731
Toluene	29000	10000	36000		200	77	70-130	08/07/2013 1731
Xylenes (total)	17000	20000	38000		200	104	70-130	08/07/2013 1731

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		87	70-130
Bromofluorobenzene		107	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 - MSD

Sample ID: OH03005-034MD
Batch: 26729
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)	3600	200000	190000		200	93	6.7	70-130	20	08/07/2013 1754
tert-Amyl methyl ether (TAME)	ND	10000	10000		200	101	3.4	70-130	20	08/07/2013 1754
Benzene	2800	10000	13000		200	98	2.4	70-130	20	08/07/2013 1754
tert-Butyl formate (TBF)	ND	50000	45000		200	89	1.8	70-130	20	08/07/2013 1754
1,2-Dichloroethane	ND	10000	9700		200	97	0.86	70-130	20	08/07/2013 1754
Diisopropyl ether (IPE)	ND	10000	10000		200	101	1.6	70-130	20	08/07/2013 1754
3,3-Dimethyl-1-butanol	ND	200000	200000		200	98	1.3	70-130	20	08/07/2013 1754
Ethanol	ND	1000000	920000		200	92	7.3	70-130	20	08/07/2013 1754
Ethylbenzene	3200	10000	14000		200	107	4.1	70-130	20	08/07/2013 1754
Ethyl-tert-butyl ether (ETBE)	ND	10000	9700		200	97	2.9	70-130	20	08/07/2013 1754
Methyl tertiary butyl ether (MTBE)	ND	10000	9400		200	94	2.8	70-130	20	08/07/2013 1754
Naphthalene	1000	10000	12000		200	110	4.0	70-130	20	08/07/2013 1754
tert-butyl alcohol (TBA)	ND	200000	210000		200	103	5.6	70-130	20	08/07/2013 1754
Toluene	29000	10000	38000		200	91	3.9	70-130	20	08/07/2013 1754
Xylenes (total)	17000	20000	37000		200	100	2.1	70-130	20	08/07/2013 1754

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		84	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		94	70-130

Volatile Organic Compounds by GC/MS - MB

Sample ID: OQ26755-001
Batch: 26755
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	100	6.7	ug/L	08/07/2013 2157
tert-Amyl methyl ether (TAME)	ND		1	10	0.20	ug/L	08/07/2013 2157
Benzene	ND		1	5.0	0.20	ug/L	08/07/2013 2157
tert-Butyl formate (TBF)	ND		1	100	1.0	ug/L	08/07/2013 2157
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	08/07/2013 2157
Diisopropyl ether (IPE)	ND		1	10	0.40	ug/L	08/07/2013 2157
3,3-Dimethyl-1-butanol	ND		1	100	1.0	ug/L	08/07/2013 2157
Ethanol	ND		1	1000	33	ug/L	08/07/2013 2157
Ethylbenzene	ND		1	5.0	1.7	ug/L	08/07/2013 2157
Ethyl-tert-butyl ether (ETBE)	ND		1	100	0.20	ug/L	08/07/2013 2157
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	08/07/2013 2157

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: OQ26755-001
Batch: 26755
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Naphthalene	ND		1	5.0	1.7	ug/L	08/07/2013 2157
tert-butyl alcohol (TBA)	ND		1	100	6.7	ug/L	08/07/2013 2157
Toluene	ND		1	5.0	1.7	ug/L	08/07/2013 2157
Xylenes (total)	ND		1	5.0	1.7	ug/L	08/07/2013 2157

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		108	70-130
1,2-Dichloroethane-d4		118	70-130
Toluene-d8		112	70-130

Volatile Organic Compounds by GC/MS - LCS

Sample ID: OQ26755-002
Batch: 26755
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	08/07/2013 2034
tert-Amyl methyl ether (TAME)	50	53		1	106	70-130	08/07/2013 2034
Benzene	50	51		1	103	70-130	08/07/2013 2034
tert-Butyl formate (TBF)	250	260		1	103	70-130	08/07/2013 2034
1,2-Dichloroethane	50	54		1	108	70-130	08/07/2013 2034
Diisopropyl ether (IPE)	50	50		1	100	70-130	08/07/2013 2034
3,3-Dimethyl-1-butanol	1000	1000		1	104	70-130	08/07/2013 2034
Ethanol	5000	4700		1	94	70-130	08/07/2013 2034
Ethylbenzene	50	56		1	112	70-130	08/07/2013 2034
Ethyl-tert-butyl ether (ETBE)	50	47		1	95	70-130	08/07/2013 2034
Methyl tertiary butyl ether (MTBE)	50	50		1	100	70-130	08/07/2013 2034
Naphthalene	50	56		1	112	70-130	08/07/2013 2034
tert-butyl alcohol (TBA)	1000	1000		1	104	70-130	08/07/2013 2034
Toluene	50	54		1	109	70-130	08/07/2013 2034
Xylenes (total)	100	110		1	111	70-130	08/07/2013 2034

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		103	70-130
Toluene-d8		107	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 - LCSD

Sample ID: OQ26755-003
Batch: 26755
Analytical Method: 8260B

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	1100		1	114	5.4	70-130	20	08/07/2013 2055
tert-Amyl methyl ether (TAME)	50	56		1	111	5.3	70-130	20	08/07/2013 2055
Benzene	50	56		1	111	7.9	70-130	20	08/07/2013 2055
tert-Butyl formate (TBF)	250	290		1	114	11	70-130	20	08/07/2013 2055
1,2-Dichloroethane	50	58		1	116	6.9	70-130	20	08/07/2013 2055
Diisopropyl ether (IPE)	50	54		1	107	6.6	70-130	20	08/07/2013 2055
3,3-Dimethyl-1-butanol	1000	1100		1	109	4.7	70-130	20	08/07/2013 2055
Ethanol	5000	5100		1	103	9.1	70-130	20	08/07/2013 2055
Ethylbenzene	50	61		1	122	8.4	70-130	20	08/07/2013 2055
Ethyl-tert-butyl ether (ETBE)	50	50		1	99	4.6	70-130	20	08/07/2013 2055
Methyl tertiary butyl ether (MTBE)	50	55		1	111	10	70-130	20	08/07/2013 2055
Naphthalene	50	59		1	117	4.1	70-130	20	08/07/2013 2055
tert-butyl alcohol (TBA)	1000	1100		1	114	8.7	70-130	20	08/07/2013 2055
Toluene	50	60		1	120	10	70-130	20	08/07/2013 2055
Xylenes (total)	100	120		1	119	7.2	70-130	20	08/07/2013 2055

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		109	70-130
1,2-Dichloroethane-d4		119	70-130
Toluene-d8		119	70-130

Volatile Organic Compounds by GC/MS - MS

Sample ID: OH03005-022MS
Batch: 26755
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	500000	530000		500	106	70-130	08/08/2013 0417
tert-Amyl methyl ether (TAME)	ND	25000	31000		500	125	70-130	08/08/2013 0417
Benzene	5700	25000	36000		500	123	70-130	08/08/2013 0417
tert-Butyl formate (TBF)	ND	130000	160000		500	125	70-130	08/08/2013 0417
1,2-Dichloroethane	130	25000	31000		500	125	70-130	08/08/2013 0417
Diisopropyl ether (IPE)	ND	25000	29000		500	117	70-130	08/08/2013 0417
3,3-Dimethyl-1-butanol	ND	500000	530000		500	106	70-130	08/08/2013 0417
Ethanol	ND	2500000	2100000		500	84	70-130	08/08/2013 0417
Ethylbenzene	5200	25000	40000	N	500	142	70-130	08/08/2013 0417
Ethyl-tert-butyl ether (ETBE)	ND	25000	29000		500	116	70-130	08/08/2013 0417
Methyl tertiary butyl ether (MTBE)	110	25000	31000		500	125	70-130	08/08/2013 0417

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: OH03005-022MS
Batch: 26755
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	940	25000	29000		500	114	70-130	08/08/2013 0417
tert-butyl alcohol (TBA)	ND	500000	550000		500	111	70-130	08/08/2013 0417
Toluene	39000	25000	78000	N	500	157	70-130	08/08/2013 0417
Xylenes (total)	39000	50000	110000	N	500	163	70-130	08/08/2013 0417

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		123	70-130
Bromofluorobenzene		112	70-130
Toluene-d8		120	70-130

Volatile Organic Compounds by GC/MS - MSD

Sample ID: OH03005-022MD
Batch: 26755
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	500000	480000		500	96	9.5	70-130	20	08/08/2013 0438
tert-Amyl methyl ether (TAME)	ND	25000	28000		500	114	9.4	70-130	20	08/08/2013 0438
Benzene	5700	25000	33000		500	110	9.0	70-130	20	08/08/2013 0438
tert-Butyl formate (TBF)	ND	130000	140000		500	111	12	70-130	20	08/08/2013 0438
1,2-Dichloroethane	130	25000	29000		500	114	9.1	70-130	20	08/08/2013 0438
Diisopropyl ether (IPE)	ND	25000	27000		500	106	9.1	70-130	20	08/08/2013 0438
3,3-Dimethyl-1-butanol	ND	500000	470000		500	95	11	70-130	20	08/08/2013 0438
Ethanol	ND	2500000	1900000		500	76	10	70-130	20	08/08/2013 0438
Ethylbenzene	5200	25000	37000	N	500	131	6.9	70-130	20	08/08/2013 0438
Ethyl-tert-butyl ether (ETBE)	ND	25000	26000		500	103	12	70-130	20	08/08/2013 0438
Methyl tertiary butyl ether (MTBE)	110	25000	29000		500	117	6.4	70-130	20	08/08/2013 0438
Naphthalene	940	25000	27000		500	106	7.2	70-130	20	08/08/2013 0438
tert-butyl alcohol (TBA)	ND	500000	490000		500	98	12	70-130	20	08/08/2013 0438
Toluene	39000	25000	72000	N	500	135	7.1	70-130	20	08/08/2013 0438
Xylenes (total)	39000	50000	110000	N	500	150	6.0	70-130	20	08/08/2013 0438

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		113	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

EDB & DBCP by Microextraction - MB

Sample ID: OQ26596-001
Batch: 26596
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 08/06/2013 855

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.020	ug/L	08/07/2013 1531

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		94	57-137

EDB & DBCP by Microextraction - LCS

Sample ID: OQ26596-002
Batch: 26596
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 08/06/2013 855

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.27		1	110	60-140	08/07/2013 1553

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		95	57-137

EDB & DBCP by Microextraction - MB

Sample ID: OQ26621-001
Batch: 26621
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 08/06/2013 1308

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.020	ug/L	08/08/2013 0034

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		94	57-137

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

EDB & DBCP by Microextraction - LCS

Sample ID: OQ26621-002
Batch: 26621
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 08/06/2013 1308

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.28		1	113	60-140	08/08/2013 0055

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		94	57-137

EDB & DBCP by Microextraction - MS

Sample ID: OH03005-025MS
Batch: 26621
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 08/06/2013 1308

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	67	0.24	57	N	1	-143	60-140	08/08/2013 0451

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		85	57-137

EDB & DBCP by Microextraction - MSD

Sample ID: OH03005-025MD
Batch: 26621
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 08/06/2013 1308

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	67	0.25	57	N	1	147	1.2	60-140	20	08/08/2013 0513

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		89	57-137

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

EDB & DBCP by Microextraction - MB

Sample ID: OQ26660-001
Batch: 26660
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 08/06/2013 2132

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.020	ug/L	08/08/2013 1805

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		90	57-137

EDB & DBCP by Microextraction - LCS

Sample ID: OQ26660-002
Batch: 26660
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 08/06/2013 2132

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.28		1	113	60-140	08/08/2013 1827

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		94	57-137

EDB & DBCP by Microextraction - LCSD

Sample ID: OQ26660-003
Batch: 26660
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 08/06/2013 2132

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.30		1	121	7.1	60-140	20	08/08/2013 2226

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		99	57-137

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

EDB & DBCP by Microextraction - MS

Sample ID: OH03005-043MS
Batch: 26660
Analytical Method: 8011

Matrix: Aqueous
Prep Method: 8011
Prep Date: 08/06/2013 2132

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	0.30		1	120	60-140	08/08/2013 2100

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		95	57-137

EDB & DBCP by Microextraction - MSD

Sample ID: OH03005-043MD
Batch: 26660
Analytical Method: 8011

Matrix: Aqueous
Prep Method: 8011
Prep Date: 08/06/2013 2132

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	0.25	0.31		1	127	5.4	60-140	20	08/08/2013 2121

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		104	57-137

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

SHEALY

Chain of Custody Record

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Number 32460

Client	Report to Contact	Sampler (Printed Name)	Quote No.
SCDHEC - UST	D. Thoma	Patrick Boylan	
Address	**Telephone No. / Fax No. / Email**	**Waybill No.**	**Page**
2600 Bull Street	803-896-4248		1 of 6
City / State / Zip Code	**Preservative**		**Number of Containers**
Columbia / SC / 29201	1. Unpres. 4. HNO3 7. NaOH	3 / 1 / 3	
Project Name	2. NaOH/ZnA 5. HCL	A / 1 / A	**Bottle (See Instructions on back)**
Heath Self Serve	3. H2SO4 6. Na Thio.	5 / 1 / 5	**Preservative**
Project Number	**P.O Number** 4600088525		**Lot No.** OH03005

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: Btex, Naph, MTBE	1,2 DCA	8 oxygenates	EDB	Remarks / Cooler ID
MW-1R	8/1	1103	G	X					+	+	+	+	odor
MW-2		1328	G	X					+	+	+	+	odor
MW-3		1133	G	X					+	+	+	+	No odor
MW-4		-	G	X					X	X	X	X	DRY
MW-5D		1250	G	X					+	+	+	+	No odor
MW-6		1300	G	X					X	X	X	X	No odor
MW-7		12:05	G	X					X	X	X	X	odor, sheen
MW-8		12:21	G	X					X	X	X	X	odor, sheen
MW-11R		10:20	G	X					X	X	X	X	odor
MW-12	8/1	1040	G	X					X	X	X	X	odor; sheen

Turn Around Time Required (Prior lab approval required for expedited TAT)
☐ Standard ☐ Rush (Please Specify)

Sample Disposal
☐ Return to Client ☐ Disposal by Lab

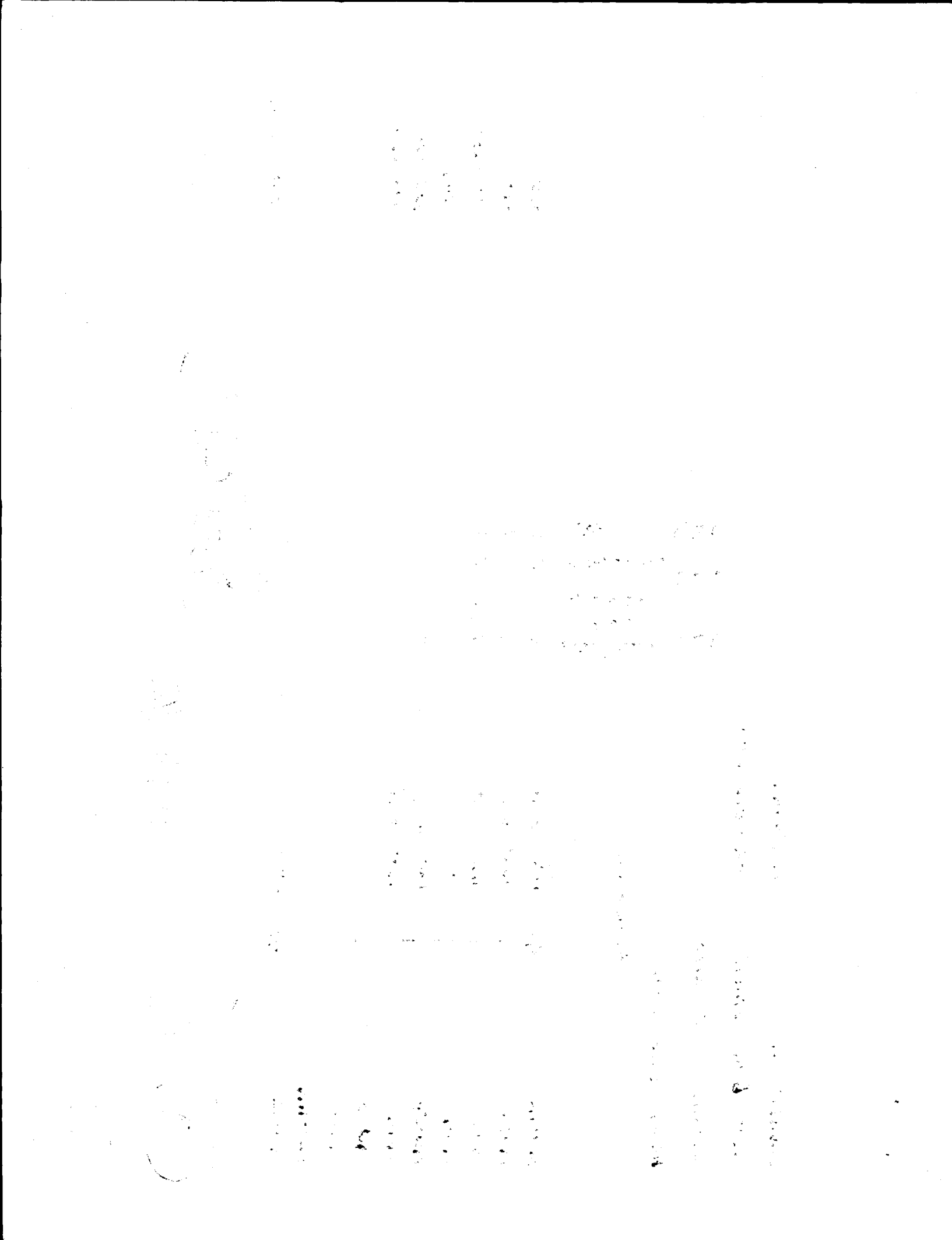
QC Requirements (Specify)

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Relinquished by / Sampler	Date	Time	Received by	Date	Time
1.	Patrick Boylan	8/1/13	16:14		8.1.13	1614
2.		8.2.13	1122		8.2.13	1122
3.		Date	Time		Date	Time
4.		8/2/13	1610	Laboratory Received by	8/2/13	1610

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

LAB USE ONLY
Received on Ice (Check) ☐ Yes ☐ No ☐ Ice Pack
Receipt Temp 1.0 °C
Temp. Blank ☐ Y ☐ N



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Chain of Custody Record

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Number 21191

Client	Report to Contact	Sampler (Printed Name)	Quote No.
SCDHEC - UST	D. Thoma	Patrick Boylan	
Address	**Telephone No. / Fax No. / Email**	**Waybill No.**	**Page**
2600 Bull Street	803-898-[illegible]-6[illegible]		2 of 6
City / State / Zip Code	**Preservative**		**Number of Containers**
Columbia / SC / 29201	1. Unpres. 4. HNO3 7. NaOH		**Bottle (See Instructions on back)**
Project Name	2. NaOH/ZnA 5. HCL		**Preservative**
Heath SLF Surv	3. H2SO4 6. Na Thio.		**Lot No.** 0403005

Project Number	P.O Number

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: BTEX, Naph, MTBE	1,2 DCA	8 oxygen	EDB	Remarks / Cooler ID
MW-13	8/1	12:27	G	X					X	X	X	X	No odor
MW-14		1017											NO odor
MW-15		10:28											No odor
MW-16		10:10											No odor
MW-17R		1027											NO odor
MW-18		1043											No odor
MW-19		9:55	G	X					X	X	X	X	No odor
MW-20		—											Not Locate
MW-21		—											Not Locate
MW-22	8/1	—											Not Locate

Turn Around Time Required (Prior lab approval required for expedited TAT)
☐ Standard ☐ Rush (Please Specify)

Sample Disposal
☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify)

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Patrick Boylan	8/1/13	16:15	1. Received by	8.1.13	1615
2. Relinquished by	8.2.13	1122	2. Received by	8/2/13	1122
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	8/2/13	1610	4. Laboratory Received by	8/2/13	1610

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

LAB USE ONLY
Received on Ice (Check) ☑ Yes ☐ No ☐ Ice Pack
Receipt Temp. (-.1) 1.0 °C
Temp. Blank ☑ Y / ☐ N

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Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Number 21192

Client	Report to Contact	Sampler (Printed Name)	Quote No.
SCDHEC - UST	D. Thoma	Patrick Boylan	
Address	**Telephone No. / Fax No. / Email**	**Waybill No.**	**Page**
2600 Bull Street	803-896-6240		3 of 6
City / State / Zip Code	**Preservative**		
Columbia / SC / 29201	1. Unpres. 4. HNO3 7. NaOH; 2. NaOH/ZnA 5. HCL; 3. H2SO4 6. Na Thio.		
Project Name			
Heath Self Serve			
Project Number	**P.O Number**		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: BTEX, Naph MBE	1,2 DCA	8 Oxygenates	EDB	Number of Containers	Bottle (See Instructions on back)	Preservative	Lot No. / Remarks / Cooler ID
									3	1	3					OH03005
									A	1	A					
									5	1	5					
MW-23	8/1	—														Not Located
MW-24		—														Not Located
MW-25		1010	G	X												No odor
MW-27		—														Not Located
MW-28		947	G	X												No odor
TFR-1		1205														odor, sheen
TFR-2		1130														odor sheen
TFR-3		12:17														odor sheen
TFR-4		11:58														odor sheen
TFR-5	8/1	—	G	X												Abandoned

Turn Around Time Required (Prior lab approval required for expedited TAT)
☐ Standard ☐ Rush (Please Specify)

Sample Disposal
☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify)

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Patrick Boylan	8/1/13	16:15	1. Received by	8.1.13	1615
2. Relinquished by	8.2.13	1102	2. Received by	8/2/13	1102
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	8-2-13	1400	4. Laboratory Received by	8-2-13	1410

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

LAB USE ONLY
Received on Ice (Check) ☒ Yes ☐ No ☐ Ice Pack
Receipt Temp. 1.0 °C
Temp. Blank ☐ Y / ☐ N

SHEALY **Chain of Custody Record**

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Number 23811

Client	Report to Contact	Sampler (Printed Name)	Quote No.
SCDHEC - UST	D. Thoma	Patrick Boylan	
Address	**Telephone No. / Fax No. / Email**	**Waybill No.**	**Page**
2600 Bull Street	803-896-6240		4 of 6
City / State / Zip Code	**Preservative**		**Number of Containers**
Columbia / SC / 29201	1. Unpres. 4. HNO3 7. NaOH	3 / 13 / 3	
Project Name	2. NaOH/ZnA 5. HCL	A / 14 / A	**Bottle (See Instructions on back)**
Heath Self Serve	3. H2SO4 6. Na Thio.	9 / 15 / 3	**Preservative**

| Project Number | P.O Number | | |

SHEALY

Chain of Custody Record

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Number 23784

Client: SCDHEC	Report to Contact: P. Thomas	Sampler (Printed Name): Patrick Boylan	Quote No.
Address: 2600 Bull Street	Telephone No. / Fax No. / Email	Waybill No.	Page: 5 of 6
City: Columbia; State: SC; Zip Code: 29201	Preservative: 1. Unpres. 4. HNO3 7. NaOH; 2. NaOH/ZnA 5. HCL; 3. H2SO4 6. Na Thio.		Number of Containers / Bottle (See Instructions on back) / Preservative
Project Name: Heath Self Serve			Lot No.: OH03005
Project Number: 08932/45811	P.O Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: BTEX/Naphthalene (8260B)	1,2 DCA	8 oxygenates	EDB (504.1)	Remarks / Cooler ID
MW-4 (12575)													same as MW-15 No well exists
MW-5 (12575)	8/1	14:25	G	X					X	X	X	X	No odor
MW-6 (12575)	"	14:10	"	"					"	"	"	"	No odor
MW-7 (12575)	"	13:59	"	"					"	"	"	"	No odor
MW-8 (12575)	"	13:48	"	"					"	"	"	"	No odor
MW-9 (12575)	"	12:49	"	"					"	"	"	"	Slight odor
MW-10 (12575)	"	13:27	"	"					"	"	"	"	No odor
MW-11 (12575)	"	13:38	"	"					"	"	"	"	No odor
MW-1R dup	"	11:03	"	"					"	"	"	"	Duplicate
TFR-2 dup	8/1	11:30	G	X					X	X	X	X	Duplicate

Turn Around Time Required (Prior lab approval required for expedited TAT): ☐ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify)

Possible Hazard Identification: ☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison ☐Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Patrick Boylan	8/1/13	16:16	1. Received by	8.1.13	16:16
2. Relinquished by	8.2.13	1122	2. Received by	8.2.13	1122
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	8/2/13	1610	4. Laboratory Received by	8-2-13	1610

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

LAB USE ONLY — Received on Ice (Check) ☑ Yes ☐ No ☐ Ice Pack — Receipt Temp. 1.0 °C — Temp. Blank ☐ Y / ☐ N

SHEALY

Chain of Custody Record

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Number 23782

Client: SCDHEC	Report to Contact: D. Thoma	Sampler (Printed Name): Patrick Boylan	Quote No.
Address: 2600 Bull Street	Telephone No. / Fax No. / Email	Waybill No.	Page: 6 of 6
City: Columbia / State: SC / Zip Code: 29201	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		
Project Name: Heath Self Serve			
Project Number: 08932/45811	P.O Number		Lot No.: OH03005

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: Btex, Naph, MTBE	1,2-DCA	6-Oxygenate	EDB	Remarks / Cooler ID
MW-1 dup	8/1	13:53	G	X					X	X	X	X	Duplicate
Field Blank	1	13:05	1					X	1	1	1	1	Field Blank
Trip Blank	1	14:30	1					X	1	1	1	1	Trip Blank
Trip Blank	8/1	14:31	G					X	X	X	X	X	Trip Blank

Number of Containers: 3 / 4 / 1
Bottle (See Instructions on back): A / A / S
Preservative: — / — / —

Turn Around Time Required (Prior lab approval required for expedited TAT)
☐ Standard ☐ Rush (Please Specify)

Sample Disposal
☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify)

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Patrick Boylan	8/1/13	16:17	1. Received by	8.1.13	1617
2. Relinquished by	8.2.13	1122	2. Received by	8.2.13	1122
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	8-2-13	1600	4. Laboratory Received by	8.2.13	1600

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

LAB USE ONLY
Received on Ice (Check) ☐ Yes ☐ No ☐ Ice Pack
Receipt Temp: 1.0 °C
Temp. Blank ☐ Y / ☐ N

Sample Receipt Checklist (SRC)

Client: SCDHEC Cooler Inspected by/date: CW 6/3/13 Lot #: OH03005

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other			
Yes ☐	No ☐		1. Were custody seals present on the cooler?
Yes ☐	No ☐		2. If custody seals were present, were they intact and unbroken?
Cooler ID/temperature upon receipt: 361 / 1.0 °C 1X8 / 1.0 °C ___ / ___ °C ___ / ___ °C Method: ☑ Temperature Blank ☐ Against Bottles Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.			
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?
Yes ☑	No ☐		7. Was collection date & time listed?
Yes ☑	No ☐		8. Were tests to be performed listed on the COC?
Yes ☑	No ☐		9. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐		11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		12. Was adequate sample volume available?
Yes ☑	No ☐		13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		14. Were any samples containers missing?
Yes ☑	No ☐		15. Were there any excess samples not listed on COC? SW-1, 2, 3
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?

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) with the SR # (number)

Sample(s) -016(1), -022(1), -024(1), -029(1) were received with bubbles >6 mm in diameter.

Sample(s)_____ were received with TRC >0.2 mg/L for NH3/ TKN/cyanide/phenol

Sample labels verified by:_____ Date:_____

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐ Did client respond: Yes ☐ No ☐

SESI employee: Date of response:

Comments: -008 labelled only as MW-11
-043 (SW1), -044 (SW2), -045 (SW3) 6 vials rec'd for each sample received but not listed on COCs

D H E C

PROMOTE PROTECT PROSPER

Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

MR RONNY LOWDER
EMERALD INC
P O BOX 3050
SUMTER SC 29151-3050

JUL 16 2014

UST 47Hec DOCKETING

Re: AFVR
Contract #IFB-5400005023-11/8/12-EMW; PO #4600220167
Notice to proceed

Dear Mr. Lowder:

Under the terms and conditions of the referenced contract, and per the schedule submitted to the Underground Storage Tank (UST) Management Division on July 9, 2014, free-phase product (FPP) recovery using aggressive fluid vapor recovery (AFVR) has been approved for the UST facilities listed below. Emerald, Inc. may proceed upon receipt of this letter. Enclosed are packets containing necessary information to perform FPP recovery at each facility. Each facility has been assigned an individual cost agreement (CA) number, work scope, work scope start date, and report due date. As specified in the contract, a report and invoice must be submitted on or before the due date. The appropriate CA number and Purchase Order (PO) #4600346277 should be referenced on each invoice submitted.

Permit	Facility	County	Work Scope	CA	Start Date	Due Date
00467	Stop A Minute	Anderson	1 96-hour event	47438	9/8/14	9/46/14
02129	Ammons Freight Agency	Chester	1 8-hour event	47425	9/2/14	9/19/14
02906	Strickland's Exxon	Dillon	1 96-hour event	47337	9/8/14	9/16/14
03144	Ridgeway Section Shed	Fairfield	1 96-hour event	47612	8/18/14	8/26/14
04887	Warren Green	Jasper	1 96-hour event	47169	9/15/14	9/23/14
06738	Former Carroll's	Oconee	3 96-hour events	47493	9/22/14	10/17/14
07034	B&B Service	Orangeburg	1 96-hour event	47316	9/15/14	9/23/14
07704	Pit Stop 40	Richland	2 48-hour events	47276	8/18/14	10/10/14
07908	Doko Express	Richland	2 48-hour events	47224	9/15/14	10/10/14
07965	W&R Exxon	Saluda	2 96-hour events	47404	9/8/14	10/17/14
08932	HQ Health Self Serve 2	Sumter	3 48-hour events	47080	9/15/14	10/17/14
08936	Frank's Service Center	Sumter	1 96-hour event	47579	8/18/14	8/24/14
08937	HQ Health Self Serve 1	Sumter	2 24-hour events	47244	9/3/14	10/17/14
11213	Newberry Public Works	Newberry	1 96-hour event	47216	8/18/14	8/26/14

Permit	Facility	County	Work Scope	CA	Start Date	Due Date
11774	A&B Coastal Mart	Sumter	2 48-hour events	47344	9/2/14	10/3/14
11776	Munn E Saver	Sumter	3 8-hour events	47268	9/4/14	10/17/14
12243	Murray's Auto	Richland	1 96-hour event	47500	9/29/14	10/6/14
12663	Jingle Jungle	Richland	1 96-hour event	47377	8/25/14	9/2/14
14162	Getsinger's Grocery	Anderson	1 96-hour event	47135	8/25/14	9/3/14
15670	Colleton Maintenance	Colleton	1 48-hour event	47492	9/22/14	9/30/14
15581	Stonewall Jackson	Dillon	3 48-hour events	47267	9/8/14	10/17/14
15857	Grant's Grocery	Chester	2 48-hour events	47094	8/18/14	10/17/14
16023	Cooper's Store	Berkeley	2 48-hour events	47490	9/2/14	10/3/14
17630	Marilyn's Gas Station	Richland	1 96-hour event	47157	8/25/14	9/4/14
18955	Donnie's Muffler Shop	Sumter	1 48-hour event	47217	10/6/14	10/15/14
19260	Goldrush Restaurant	Darlington	1 96-hour event	48383	8/18/14	8/30/14

The FPP recovery at each facility will be performed on behalf of the UST Owner/Operator (O/O) and payment will be made from the State Underground Petroleum Environmental Response Bank (SUPERB) Account. The O/O has no obligation to pay for the specified work scope. Please note that Sections 44-2-110(4) and 44-2-130(B) of the SUPERB Statute state that no costs will be allowed (considered for payment) unless prior approval from the South Carolina Department of Health and Environmental Control (Agency) is obtained.

Any changes to the work scope must be pre-approved by UST Management Division in order for Emerald to seek payment. Please contact the UST Project Manager for technical and/or financial approval. Any item that is not clearly or completely addressed in the report will not be compensated by SUPERB.

The Division grants pre-approval for transportation of FPP and petroleum-contaminated groundwater from the referenced UST facility to a permitted treatment facility. The FPP and 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 from the receiving facility that clearly designates the quantity received must be included as an appendix to the report.

If you have any questions concerning this correspondence or need further assistance, please contact me by phone at (803) 898-0655, by fax at (803) 898-0673, or by e-mail at padgetjp@dhec.sc.gov.

Sincerely,

Joel P. Padgett, Geologist/Hydrologist
Corrective Action Section
UST Management Division
Bureau of Land and Waste Management

enc: Information packets
AFVR Schedule 11
cc: Technical file (w/o enc)

RE: H Q Heath Self Serve 2, Sumter, SC - SCDHEC #08932

Ridgley, Cathleen

Wed 8/6/2014 3:51 PM

To Jane Allan <JAllan@apexcos.com>;

Jane,

We typically don't deal with sub-slab soil gas sampling within the UST Division; however, if there is a complaint from an individual (such as an odor within a building) our Agency would take that complaint seriously and conduct air monitoring within the building.

As you know, there are two UST releases on the property you mentioned.

I am currently managing the former H Q Heath Self Serve 2 (UST Permit # 08932), which has been fully assessed (i.e., the petroleum release has been defined vertically and horizontally) and undergoing cleanup. I have directed our State-Lead Contractor, Emerald, Inc. to conduct aggressive fluid and vapor recovery (AFVR) at the site to remove residual free product from the groundwater. Coincidentally, I received a call from Emerald personnel today who conducted a site reconnaissance earlier this morning in preparation of the next set of AFVR events that will begin very soon and a report will be due by October of this year. The site reconnaissance involved the gauging of the entire monitoring well network. Free product was only found in one monitoring well at the site. The measured amount was 0.03 foot. The well is labeled TFR-12 near the new Hardees. The depth to groundwater at the site averages around 16 feet below ground surface, and that is good because the free product is further away from sub-slab foundations; etc.

The other UST release is from the former Palmetto Plaza Texaco (UST Permit # 12575). That release is still currently being assessed and managed by Joy Krutek, a new employee who began last week. It will take her awhile to get up to speed as we all have hundreds of releases we manage. There was a Tier II Assessment conducted in April 2013 and no Free Product was found at the site during that assessment. Because there was no free product found, the release has a lower ranking.

I hope this information helps. If you have further questions, please don't hesitate to call me or Emerald, Inc. at 803-469-5454.

Sincerely,

Cathleen

Cathleen Tenace Ridgley, Hydrogeologist
Corrective Action Section
Underground Storage Tank Division
Bureau of Land & Waste Management
SCDHEC
2600 Bull Street
Columbia, SC 29201

(803) 898-0610
(803) 898-0673 (fax)

From: Jane Allan <JAllan@apexcos.com>
Sent: Tuesday, August 5, 2014 9:14 AM
To: Ridgley, Cathleen
Subject: RE: H Q Heath Self Serve 2, Sumter, SC - SCDHEC #08932

thanks

APEX
apexcos.com

Jane Allan
Apex Companies, LLC
155 Tri-County Parkway, Suite 250
Cincinnati, OH 45246
O) 513-771-3617 x201 M) 513-477-4602

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From: Ridgley, Cathleen [mailto:ridglect@dhec.sc.gov]
Sent: Tuesday, August 05, 2014 8:49 AM
To: Jane Allan
Subject: RE: H Q Heath Self Serve 2, Sumter, SC - SCDHEC #08932

Jane,

I will respond to your email later today. I have a couple of high priority meetings today. Thanks for your patience.

-Cathleen

Cathleen Tenace Ridgley, Hydrogeologist
Corrective Action Section
Underground Storage Tank Division
Bureau of Land & Waste Management
SCDHEC
2600 Bull Street
Columbia, SC 29201

(803) 898-0610
(803) 898-0673 (fax)

From: Jane Allan <JAllan@apexcos.com>
Sent: Monday, August 4, 2014 11:53 AM
To: Ridgley, Cathleen
Subject: RE: H Q Heath Self Serve 2, Sumter, SC - SCDHEC #08932

Hello Cathleen
The owner of the Palmetto Plaza property (and the bank) are concerned that there does not appear to have been any sub-slab soil gas sampling to assess potential vapor intrusion due to impacts from the off-site release. Does the UST Division have any plans to conduct an assessment? if not, would the UST program cover cost for the owner to conduct the assessment?
Please let me know, thanks
Jane

APEX
apexcos.com

Jane Allan
Apex Companies, LLC
155 Tri-County Parkway, Suite 250
Cincinnati, OH 45246
O) 513-771-3617 x201 M) 513-477-4602

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From: Ridgley, Cathleen [mailto:ridglect@dhec.sc.gov]
Sent: Wednesday, July 23, 2014 2:01 PM
To: Jane Allan
Subject: RE: H Q Heath Self Serve 2, Sumter, SC

Jane,

Attached you will find the most recent Monitoring Report and Directive.

Cathleen Tenace Ridgley, Hydrogeologist
Corrective Action Section
Underground Storage Tank Division
Bureau of Land & Waste Management
SCDHEC
2600 Bull Street
Columbia, SC 29201

(803) 898-0610
(803) 898-0673 (fax)

From: Jane Allan <JAllan@apexcos.com>
Sent: Wednesday, July 23, 2014 1:27 PM
To: Ridgley, Cathleen
Subject: FW: H Q Heath Self Serve 2, Sumter, SC

Hi Cathleen
Could you provide an update on the status of this site, or a recent sampling/investigation report?
I'm representing the owner of Palmetto Plaza.
Thanks in advance for your help.
Jane

APEX
apexcos.com

Jane Allan
Apex Companies, LLC
155 Tri-County Parkway, Suite 250
Cincinnati, OH 45246
O) 513-771-3617 x201 M) 513-477-4602

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From: Ridgley, Cathleen T. [mailto:ridglect@dhec.sc.gov]
Sent: Tuesday, August 16, 2011 9:34 AM

To: Jeff Lower
Subject: H Q Heath Self Serve 2, Sumter, SC

Jeff,

Please see the attached groundwater monitoring report for the site in question.
As I stated on the phone, our contractor is currently conducting aggressive fluid/vapor recovery (AFVR) events on several of the monitoring wells in the parking lot of Palmetto Plaza to remove free product
or gasoline sitting on the water table.
If you have further questions, please do not hesitate to call.
Thank you,

--
Cathleen Ridgley
Hydrogeologist
SCDHEC-Bureau of Land & Waste Mgmt.
803/896-6633
Fax: 803/896-6245

Emerald, Inc.

CONSULTING AND ENGINEERING
SERVICES IN ENVIRONMENTAL AFFAIRS

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TELEPHONE (803) 469-5454
FAX (803) 469-5465

UST
OCT 07 2014
PROGRAM

September 30, 2014

UST
51 tech
DOCKETING

Cathleen Ridgley, Hydrogeologist
Corrective Action Section
Underground Storage Tank Management Division
Bureau of Underground Storage Tank Management
South Carolina Department of Health and
Environmental Control
2600 Bull Street
Columbia, SC 29201

Aggressive Fluid Vapor Recovery Report
HQ Heath Self Serv 2
Sumter, South Carolina
Sumter County
UST Permit #08932; CA #47080
Emerald Job 14-039C

Ms. Ridgley,

Please find the attached Aggressive Fluid Vapor Recovery (AFVR) Report for the HQ Heath Self Serv 2 site. Prior to conducting this AFVR event information gathered during the site reconnaissance was presented to the SCDHEC project manager for review.

AGGRESSIVE FLUID VAPOR RECOVERY EVENTS

On September 26 through 28, 2014, Emerald, Inc. personnel performed a 48-hour AFVR event utilizing TFR-4 as the extraction location. This 48-hour AFVR event was conducted to remove free product previously detected at the subject site. Free phase petroleum product was detected in TFR-4 at a thickness of 0.09 ft. prior to the event. At the conclusion of the event free phase product was not detected. MW-7 and TFR-3 were used for event monitoring due to no other monitoring wells to being located within a reasonable distance from the

extraction location. Numerous nearby monitoring wells appear to have been covered by recent paving. Monitoring well locations are presented on the attached site map provided by SCDHEC.

Table 1 presents the off-gas concentrations (using a Photoionization Detector), post treatment off-gas concentrations, off-gas velocity, and knockout tank vacuum. Table 2 presents the stinger depths, wellhead vacuum measurements, water levels measurements and magnehelic readings obtained during the event. Emerald, Inc. field personnel normally record data at thirty minute intervals for the first eight hours of the event, then at one hour intervals from hours nine through twenty four and at two hour intervals from hour twenty four until the conclusion of the event. During the hours of midnight to 8 AM event monitoring was suspended. Due to the event being conducted during non-business hours, off-gas treatment was utilized at the site.

According to the calculations as presented on Table 1, a total of 390.47 pounds of hydrocarbons (as vapor) and 62.44 equivalent gallons of hydrocarbons were removed during this event. Free phase product was not detected in the knockout tank during this event. A total of 7,710 gallons of petroleum contaminated groundwater was transported to the City of Manning Wastewater Treatment Facility in Manning, SC for proper disposal. A copy of the disposal manifest for this event is included as an attachment.

If you have any questions or concerns please feel free to contact Emerald, Inc. at 803-469-5454.

Sincerely,
Emerald, Inc.

William C. McClary/RB

William C. McClary, P.G.
Project Manager

Ronny L. Lowder
President

Attachments

TABLE 1
AFVR MONITORING DATA
HQ HEATH SELF SERV 2
SUMTER, SOUTH CAROLINA
SCDHEC SITE ID #08932
EMERALD JOB #14-039C

Extraction Well	Date	Time (hh:mm)	Differential Time (hr)	Knockout Tank Vacuum (in. Hg)	Off-Gas Concentration (PPM)	Post-Treatment Concentration (PPM)	Offgas Velocity (ft/min)	Flow Rate (SCFM)	CG:M (mg/dsm$^{3)}$	Cg (Lb/Dscf)	Removal Rate (Lbs/Hr)	Interval Removal (Lbs)
TFR-4	9/26/14	18:00	Start	14	> 5,000	N/A	N/A	140	26,589	1.66E-03	13.94	-
		18:30 ↓	0.5	14	> 5,000	N/A	N/A	140	26,589	1.66E-03	13.94	6.97
		19:00 ↓	0.5	14	> 5,000	N/A	N/A	140	26,589	1.66E-03	13.94	6.97
		19:30 ↓	0.5	14	> 5,000	N/A	N/A	140	26,589	1.66E-03	13.94	6.97
		20:00 ↓	0.5	14	> 5,000	N/A	N/A	140	26,589	1.66E-03	13.94	6.97
		20:30 ↓	0.5	14	3,245	N/A	N/A	140	17,256	1.08E-03	9.05	5.75
		21:00 ↓	0.5	15	1,110	N/A	N/A	140	5,903	3.69E-04	3.10	3.04
		21:30 ↓	0.5	17	816	N/A	N/A	140	4,339	2.71E-04	2.28	1.34
		22:00 ↓	0.5	17	617	N/A	N/A	140	3,281	2.05E-04	1.72	1.00
		22:30 ↓	0.5	17	503	N/A	N/A	130	2,675	1.67E-04	1.30	0.76
		23:00 ↓	0.5	17	321	N/A	N/A	130	1,707	1.07E-04	0.83	0.53
		23:30 ↓	0.5	17	167	N/A	N/A	130	888	5.54E-05	0.43	0.32
	9/27/14	0:00 ↓	0.5	17	122	N/A	N/A	130	649	4.05E-05	0.32	0.19
		0:30 ↓	0.5	17	116	N/A	N/A	130	617	3.85E-05	0.30	0.15
		1:00 ↓	0.5	17	103	N/A	N/A	130	548	3.42E-05	0.27	0.14
		1:30	0.5	17	112	N/A	N/A	130	596	3.72E-05	0.29	0.14
		2:00	0.5	17	122	N/A	N/A	130	649	4.05E-05	0.32	0.15
		3:00	1.0	17	107	N/A	N/A	130	569	3.55E-05	0.28	0.30
		4:00	1.0	17	121	N/A	N/A	130	643	4.02E-05	0.31	0.30
		5:00	1.0	17	111	N/A	N/A	130	590	3.69E-05	0.29	0.30
		6:00	1.0	17	101	N/A	N/A	130	537	3.35E-05	0.26	0.27
		7:00 ↑	1.0	16	112	0.4	N/A	130	596	3.72E-05	0.29	0.28
		8:00	1.0	16	371	0.5	N/A	130	1,973	1.23E-04	0.96	0.63
		9:00	1.0	11	321	0.4	N/A	190	1,707	1.07E-04	1.21	1.09
		10:00	1.0	12	> 5,000	0.4	N/A	170	26,589	1.66E-03	16.93	9.07
		11:00	1.0	15	> 5,000	0.5	N/A	140	26,589	1.66E-03	13.94	15.44
		12:00	1.0	17	> 5,000	N/A	N/A	140	26,589	1.66E-03	13.94	13.94

TABLE 1 Cont'd.
AFVR MONITORING DATA
HQ HEATH SELF SERV 2
SUMTER, SOUTH CAROLINA
SCDHEC SITE ID #08932
EMERALD JOB #14-039C

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Knockout Tank Vacuum (in. Hg)	Off-Gas Concentration (PPM)	Post-Treatment Concentration (PPM)	Offgas Velocity (ft/min)	Flow Rate (SCFM)	CG:M (mg/dsm^3)	Cg (Lb/Dscf)	Removal Rate (Lbs/Hr)	Interval Removal (Lbs)
TFR-4	9/27/14	13:00	1.0	17	> 5,000	N/A	N/A	140	26,589	1 66E-03	13.94	13.94
		14.00	1 0	17	> 5,000	N/A	N/A	140	26,589	1.66E-03	13.94	13.94
		15 00	1 0	17	4,273	N/A	N/A	140	22,723	1 42E-03	11.92	12.93
		16:00	1 0	17	> 5,000	N/A	N/A	140	26,589	1.66E-03	13.94	12 93
		17:00	1.0	17	3,717	N/A	N/A	140	19,766	1 23E-03	10.37	12.15
		18:00	1 0	17	2,956	N/A	N/A	140	15,719	9.81E-04	8.24	9.30
		20:00	2 0	17	3,281	N/A	N/A	140	17,447	1.09E-03	9.15	17.39
		22:00	2.0	17	2,937	N/A	N/A	140	15,618	9.75E-04	8.19	17.34
	9/28/14	0 00	2.0	17	2,761	N/A	N/A	140	14,682	9 17E-04	7.70	15 89
		8:00	8.0	18	> 5,000	N/A	N/A	110	26,589	1.66E-03	10.96	74.62
		10:00	2.0	18	> 5,000	N/A	N/A	110	26,589	1.66E-03	10.96	21.91
		12:00	2.0	18	> 5,000	N/A	N/A	110	26,589	1.66E-03	10.96	21.91
		14:00	2.0	18	> 5,000	N/A	N/A	110	26,589	1.66E-03	10.96	21 91
		16:00	2 0	18	> 5,000	N/A	N/A	110	26,589	1.66E-03	10.96	21.91
		18:00	2.0	18	3,845	N/A	N/A	110	20,447	1.28E-03	8 42	19.38

Well Gauging Data:			Before AFVR Event			After AFVR Event		
Well No.	Diameter (in)	Screened Interval (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)
TFR-4	4	TD=24 3	16 85	16.94	0.09	-	17 29	-

Product Thickness	
Product observed in Sight Tube?	No
Product detected in Tanker?	No

Weather Conditions		Emerald, Inc. Personnel
9/26/14	Sunny, 64-73°F	L Bishop
9/27/14	Sunny, 69-79°F	D. Ridgeway
9/28/14	Sunny, 67-81°F	

Recovery / Disposal Information		
Hydrocarbons Removed (vapor):	390.47	**Pounds**
Hydrocarbons Removed (liquid):	0 00	**Gallons**
Total Hydrocarbons Removed:	62.44	**Equivalent Gallons**
Molecular Weight Utilized:	128	**mg/mg-mole**
Disposal Facility:	City of Manning Wastewater Treatment Facility	
Total Liquids Removed:	7,710	**Gallons**

Equations

Cg;m = PPMg*(Mg/K3)

Removal Rate = Cg * Flow Rate * 60Min/Hr

Interval Removal = $(T_1 + T_2)/2$

PPM = Part per Million (by PID)

Cg:m = mg/dsm3(mass concentration of gasoline emission)

Mg = 128 mg/mg-mole, molecular weight of gasoline

K3 = 24.07 dsm^3/1E6 mg-mole, mass to volume conversion

Cg = lb/dcsf, mass concentration of gasoline by emission

Removal Rate = lb/hr,pollutant mass removal rate of emission

Notes

↑ = Stinger raised ↓ = Stinger lowered

TD = Total Depth

TABLE 2
EVENT MONITORING DATA
HQ HEATH SELF SERV 2
SUMTER, SOUTH CAROLINA
SCDHEC SITE ID #08932
EMERALD JOB #14-039C

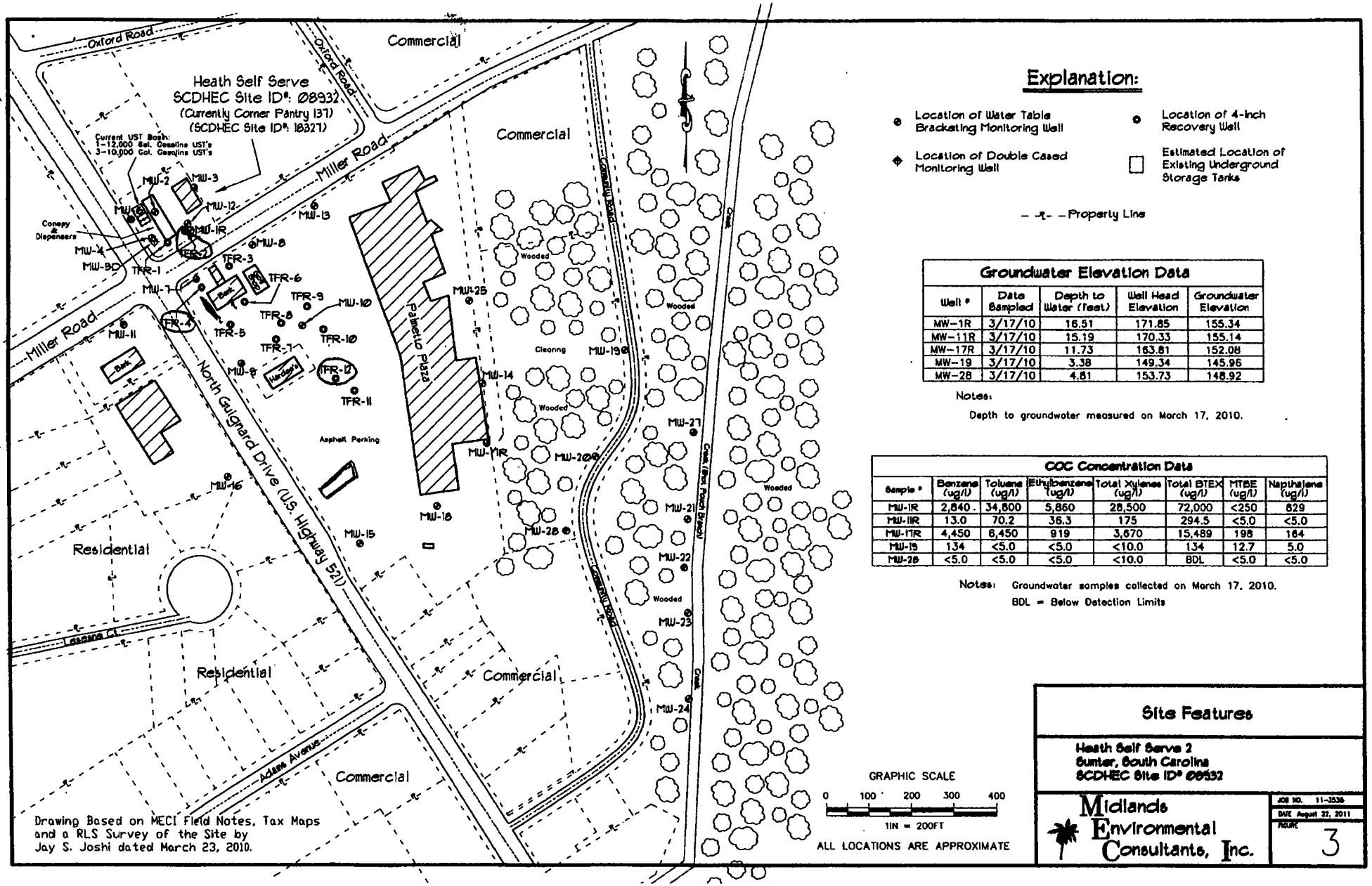
Date	Time (hh:mm)	Extraction Well		Event Monitoring [1]					
		TFR-4		MW-7		TFR-3			
		Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Magnehelic Reading (inches of water)	Depth to Water	Magnehelic Reading (inches of water)	Depth to Water	Magnehelic Reading (inches of water)	Depth to Water
9/26/14	18:00	17.0	13	Pre	16.75	Pre	16.92		
	18:30	17.5	13	<1	16.75	<1	16.92		
	19:00	18.0	13	<1	16.76	0.3	16.92		
	19:30	18.5	12	<1	16.77	0.2	16.93		
	20:00	19.0	12	<1	16.77	1.4	16.94		
	20:30	19.5	12	<1	16.79	1.5	16.96		
	21:00	20.0	12	<1	16.80	1.6	16.98		
	21:30	20.5	13	<1	16.82	1.3	16.99		
	22:00	21.0	14	<1	16.83	1.3	16.97		
	22:30	21.5	14	<1	16.83	1.2	16.97		
	23:00	22.0	15	<1	16.84	1	16.98		
	23:30	22.5	15	<1	16.85	1.1	16.97		
9/27/14	0:00	23.0	15	<1	16.86	1	16.96		
	0:30	23.5	15	<1	16.86	1.1	16.97		
	1:00	24.0	15	<1	16.88	<1	16.96		
	1:30	24.0	15	<1	16.88	<1	16.96		
	2:00	24.0	15	<1	16.89	<1	16.97		
	3:00	24.0	15	<1	16.89	<1	16.98		
	4:00	24.0	15	<1	16.90	<1	16.97		
	5:00	24.0	15	<1	16.90	<1	16.97		
	6:00	24.0	15	<1	16.91	<1	16.98		
	7:00	18.0	15	<1	16.91	<1	16.98		
	8:00	18.0	15	<1	16.91	<1	16.98		
	9:00	18.0	12	<1	16.91	<1	16.98		
	10:00	18.0	12	<1	16.91	<1	16.98		
	11:00	18.0	13	<1	16.91	<1	16.91		
	12:00	18.0	13	<1	16.91	<1	16.91		

Notes: [1] MW-7 and TFR-3 were the only monitoring wells located near the extraction well. Numerous nearby monitoring wells appear to have been covered by recent paving.

TABLE 2 Cont'd.
EVENT MONITORING DATA
HQ HEATH SELF SERV 2
SUMTER, SOUTH CAROLINA
SCDHEC SITE ID #08932
EMERALD JOB #14-039C

Date	Time (hh:mm)	Extraction Well		Event Monitoring					
		TFR-4		MW-7		TFR-3			
		Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Magnehelic Reading (inches of water)	Depth to Water	Magnehelic Reading (inches of water)	Depth to Water	Magnehelic Reading (inches of water)	Depth to Water
9/27/14	13:00	18.0	12	<1	16.94	<1	16.94		
	14:00	18.0	12	<1	16.95	<1	16.96		
	15:00	18.0	12	<1	16.96	<1	16.97		
	16:00	18.0	12	<1	16.99	<1	17.00		
	17:00	18.0	12	<1	17.01	<1	17.03		
	18:00	18.0	12	<1	17.02	<1	17.05		
	20:00	18.0	12	<1	17.04	<1	17.07		
	22:00	18.0	12	<1	17.05	<1	17.08		
9/28/14	0:00	18.0	12	<1	17.07	<1	17.10		
	8:00	18.0	18	<1	17.03	<1	17.09		
	10:00	18.0	18	<1	17.03	<1	17.09		
	12:00	18.0	18	<1	17.04	<1	17.09		
	14:00	18.0	18	<1	17.04	<1	17.10		
	16:00	18.0	18	<1	17.05	<1	17.11		
	18:00	18.0	18	<1	17.05	<1	17.12		

Notes:



Explanation:

- Location of Water Table Bracketing Monitoring Well
- Location of 4-inch Recovery Well
- Location of Double Cased Monitoring Well
- Estimated Location of Existing Underground Storage Tanks
- – –t– – Property Line

Groundwater Elevation Data

Well #	Date Sampled	Depth to Water (feet)	Well Head Elevation	Groundwater Elevation
MW-1R	3/17/10	16.51	171.85	155.34
MW-11R	3/17/10	15.19	170.33	155.14
MW-17R	3/17/10	11.73	163.81	152.08
MW-19	3/17/10	3.38	149.34	145.96
MW-28	3/17/10	4.81	153.73	148.92

Notes:

Depth to groundwater measured on March 17, 2010.

COC Concentration Data

Sample #	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Total Xylenes (ug/l)	Total BTEX (ug/l)	MTBE (ug/l)	Naphthalene (ug/l)
MW-1R	2,840	34,800	5,860	28,500	72,000	<250	829
MW-11R	13.0	70.2	36.3	175	294.5	<5.0	<5.0
MW-17R	4,450	6,450	919	3,670	15,489	198	164
MW-19	134	<5.0	<5.0	<10.0	134	12.7	5.0
MW-28	<5.0	<5.0	<5.0	<10.0	BDL	<5.0	<5.0

Notes: Groundwater samples collected on March 17, 2010.
BDL = Below Detection Limits

GRAPHIC SCALE
0 100 200 300 400
1IN = 200FT

ALL LOCATIONS ARE APPROXIMATE

Site Features

Heath Self Serve 2
Sumter, South Carolina
SCDHEC Site ID# 08932

Midlands Environmental Consultants, Inc.

JOB NO. 11-3536
DATE August 22, 2011
FIGURE 3

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 623

2. Page 1 of

3. Generator's Name and Mailing Address
HQ Heath Self Serv 2
501 N. Guignard Drive
Sumter, SC UST #08932

4. Generator's Phone ( )

5. Transporter 1 Company Name

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
City of Manning
Wastewater Treatment Facility
PO Box 546
Manning, SC 29102

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON-HAZARDOUS PETROLEUM CONTAMINATED WATER-PROFILE #			5561	GAL
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: DANNY E. RIDGEWAY

Signature: [signature]

Date: Month 9 Day 28 Year 14

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Lee Stogner

Signature: [signature]

Date: Month 9 Day 25 Year 14

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:

Signature:

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19

Printed/Typed Name: James Bethea

Signature: James Bethea

Date: Month 9 Day 29 Year 14

521 Liftstation

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 624

2. Page 1 of

3. Generator's Name and Mailing Address
HQ Heath Self Serv 2
501 N. Guignard Drive
Sumter, SC UST #08932

4. Generator's Phone ( )

5. Transporter 1 Company Name

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
City of Manning
Wastewater Treatment Facility
PO Box 546
Manning, SC 29102

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12 Containers No.	12 Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON-HAZARDOUS PETROLEUM CONTAMINATED WATER-PROFILE #			2149	GAL
b.			~~2149~~	
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: DANNY F. RIDGEWAY

Signature

Date: Month 9 Day 28 Year 14

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Lee Stogner

Signature

Date: Month 9 Day 29 Year 14

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: James Bethea

Signature: James Bethea

Date: Month 9 Day 29 Year 14

521 Liftstation

Emerald, Inc.

CONSULTING AND ENGINEERING
SERVICES IN ENVIRONMENTAL AFFAIRS

2520 TAHOE DRIVE • POST OFFICE BOX 3050 • SUMTER, SOUTH CAROLINA 29151

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www.emeraldinc-us.com

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FAX (803) 469-5465

UST
OCT 07 2014
PROGRAM

September 30, 2014

UST
49 tech
DOCKETING

Cathleen Ridgley, Hydrogeologist
Corrective Action Section
Underground Storage Tank Management Division
Bureau of Underground Storage Tank Management
South Carolina Department of Health and
Environmental Control
2600 Bull Street
Columbia, SC 29201

Aggressive Fluid Vapor Recovery Report
HQ Heath Self Serv 2
Sumter, South Carolina
Sumter County
UST Permit #08932; CA #47080
Emerald Job 14-039A

Ms. Ridgley,

Please find the attached Aggressive Fluid Vapor Recovery (AFVR) Report for the HQ Heath Self Serv 2 site. A site reconnaissance was conducted on July 21, 2014 to locate each monitoring well, gauge extraction wells, and assess site conditions. Prior to conducting this AFVR event information gathered during the site reconnaissance was presented to the SCDHEC project manager for review.

AGGRESSIVE FLUID VAPOR RECOVERY EVENTS

On September 22 through 24, 2014, Emerald, Inc. personnel performed a 48-hour AFVR event utilizing MW-12 as the extraction location. During the site visit, monitoring well TFR-2 was found to be damage and could not be utilized as an extraction well for this event as requested. After consultation with the SCDHEC project manager, Emerald, Inc. personnel utilized MW-12 as a replacement extraction well. This 48-hour event was conducted to aid

reducing dissolved levels of chemicals of concern previously detected at the subject site. Free phase petroleum product was not detected prior to initiation or at the conclusion of this event. Monitoring well locations are presented on the attached site map provided by SCDHEC.

Table 1 presents the off-gas concentrations (using a Photoionization Detector), post treatment off-gas concentrations, off-gas velocity, and knockout tank vacuum. Table 2 presents the stinger depths, wellhead vacuum measurements, water levels measurements and magnehelic readings obtained during the event. Emerald, Inc. field personnel normally record data at thirty minute intervals for the first eight hours of the event, then at one hour intervals from hours nine through twenty four and at two hour intervals from hour twenty four until the conclusion of the event. During the hours of midnight to 8 AM event monitoring was suspended. Off-gas treatment was utilized during business hours at the site to limit exposure of the off-gas produced to the general public using a thermal oxidizer. Due to the elevated off-gas concentrations the vacuum could not be raised higher during this event without overheating the thermal oxidizer.

According to the calculations as presented on Table 1, a total of 107.73 pounds of hydrocarbons (as vapor) and 17.23 equivalent gallons of hydrocarbons were removed during this event. Free phase product was not detected in the knockout tank during this event. A total of 3,092 gallons of petroleum contaminated groundwater was transported to the City of Manning Wastewater Treatment Facility in Manning, SC for proper disposal. A copy of the disposal manifest for this event is included as an attachment.

If you have any questions or concerns please feel free to contact Emerald, Inc. at 803-469-5454.

Sincerely,
Emerald, Inc.

William C. McClary | RB

William C. McClary, P.G.
Project Manager

Ronny L. Lowder
President

Attachments

TABLE 1
AFVR MONITORING DATA
HQ HEATH SELF SERV 2
SCDHEC SITE ID #08932
EMERALD JOB #14-039A

Extraction Well	Date	Time (hh:mm)	Differential Time (hr)	Knockout Tank Vacuum (in. Hg)	Off-Gas Concentration (PPM)	Post-Treatment Concentration (PPM)	Offgas Velocity (ft/min)	Flow Rate (CFM)	CG:M (mg/dsm^3)	Cg (Lb/Dscf)	Removal Rate (Lbs/Hr)	Interval Removal (Lbs)
MW-12	9/22/14	8 00	Start	10	941	1 2	2,589	127 08	5,004	3 12E-04	2 38	-
		8 30 ↓	0 5	10	869	0 8	2,472	121 34	4,621	2 88E-04	2 10	1 12
		9 00 ↓	0 5	14	624	0 6	2,744	134 69	3,318	2 07E-04	1 67	0 94
		9 30 ↓	0 5	14	609	0 4	3,625	177 93	3,238	2 02E-04	2.16	0 96
		10 00 ↓	0 5	14	647	0 5	3,572	175 33	3,441	2 15E-04	2 26	1 10
		10 30	0 5	17	367	0 1	2,130	104 55	1,952	1 22E-04	0 76	0.76
		11 00	0 5	14	443	0.2	2,256	110 74	2,356	1 47E-04	0 98	0 44
		11.30	0 5	15	586	0.2	3,317	162 81	3,116	1 95E-04	1.90	0 72
		12.00	0 5	9	719	0 3	3,645	178 91	3,823	2 39E-04	2 56	1 12
		12.30	0 5	8	688	0 3	3,421	167 92	3,659	2 28E-04	2 30	1.22
		13 00	0 5	8 5	723	0.2	3,533	173 42	3,845	2 40E-04	2 50	1 20
		13 30	0 5	8 5	744	0.1	3,378	165 81	3,956	2 47E-04	2 46	1 24
		14.00	0 5	8 5	710	0.1	3,453	169 49	3,776	2 36E-04	2 40	1 21
		14 30	0 5	8 5	672	0.1	3,269	160 46	3,573	2 23E-04	2 15	1.14
		15:00	0 5	8 5	695	0.1	3,386	166 20	3,696	2 31E-04	2 30	1 11
		15 30 [1]	0 5	NR	725	NR	3,403	167.04	3,855	2 41E-04	2 41	1 18
		16.00	0 5	8 5	754	0.3	3,419	167 82	4,010	2 50E-04	2 52	1 23
		17:00	1 0	19	212	0 1	1,564	76 77	1,127	7 04E-05	0 32	1 42
		18 00 [1]	1 0	NR	196	NR	1,526	74 90	1,042	6 51E-05	0 29	0 31
		19:00	1 0	19	179	0 2	1,488	73 04	952	5 94E-05	0 26	0 28
		20 00	1 0	19	299	0 1	1,267	62 19	1,590	9 93E-05	0 37	0 32
		21:00	1 0	19	186	N/A	1,095	53 75	989	6 17E-05	0 20	0 28
		22 00	1 0	19	195	N/A	1,132	55 56	1,037	6 47E-05	0 22	0 21
		23 00	1 0	19	172	N/A	1,321	64 84	915	5 71E-05	0 22	0 22
	9/23/14	0 00	1 0	19	161	N/A	1,337	65 63	856	5 34E-05	0.21	0.22
		8 00	8 0	19	184	N/A	1,479	72 60	978	6 11E-05	0 27	1.91
		10 00	2 0	11	1,288	N/A	3,485	171 06	6,849	4 28E-04	4 39	4 65
		12:00 ↑	2 0	11	1,261	0 3	3,490	171 31	6,706	4 19E-04	4 30	8 69
		14 00 ↓	2 0	11	1,337	0 2	3,349	164 39	7,110	4 44E-04	4 38	8.68
		16 00 ↓	2 0	12	29	0 2	3,261	160 07	154	9 63E-06	0 09	4 47
		18 00 ↑	2 0	11	1,389	0 3	2,995	147 01	7,386	4 61E-04	4 07	4 16
		20.00	2 0	11	1,356	0 2	3,177	155 94	7,211	4 50E-04	4 21	8 28
		22:00	2 0	11	1,292	0 2	2,971	145 83	6,870	4 29E-04	3.75	7 97
	9/24/14	0 00	2 0	11	1,317	N/A	3,422	167 97	7,003	4 37E-04	4.41	8 16
		8 00	8 0	11	1,043	N/A	3,238	158 94	5,546	3 46E-04	3 30	30 83

Well Gauging Data:			Before AFVR Event			After AFVR Event		
Well No.	Diameter (in)	Screened Interval (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)
MW-12	4	10-20	-	17 32	-	-	17 30	-

Product Thickness	
Product observed in Sight Tube?	No
Product detected in Tanker?	No

Weather Conditions	Emerald, Inc. Personnel
9/22/14 Rain, 64°F-81°F	L Bishop
9/23/14 Rain, 59°F-69°F	D Ridgeway
9/24/14 Sunny, 55°F-66°F	

Recovery / Disposal Information		
Hydrocarbons Removed (vapor):	107 73	Pounds
Hydrocarbons Removed (liquid):	0 00	Gallons
Total Hydrocarbons Removed:	17 23	Equivalent Gallons
Molecular Weight Utilized:	128	mg/mg-mole
Disposal Facility:	City of Manning Wastewater Treatment Plant	
Total Liquids Removed:	3,092	Gallons

Equations

Cg,m = PPMg*(Mg/K3)

Removal Rate = Cg * Flow Rate * 60Min/Hr

Interval Removal = $(T_1 + T_2)/2$

PPM = Part per Million (by PID)

Cg m = mg/dsm3(mass concentration of gasoline emission)

Mg = 128 mg/mg-mole, molecular weight of gasoline

K3 = 24 07 dsm^3/1E6 mg-mole, mass to volume conversion

Cg = lb/dcsf, mass concentration of gasoline by emission

Removal Rate = lb/hr,pollutant mass removal rate of emission

Notes

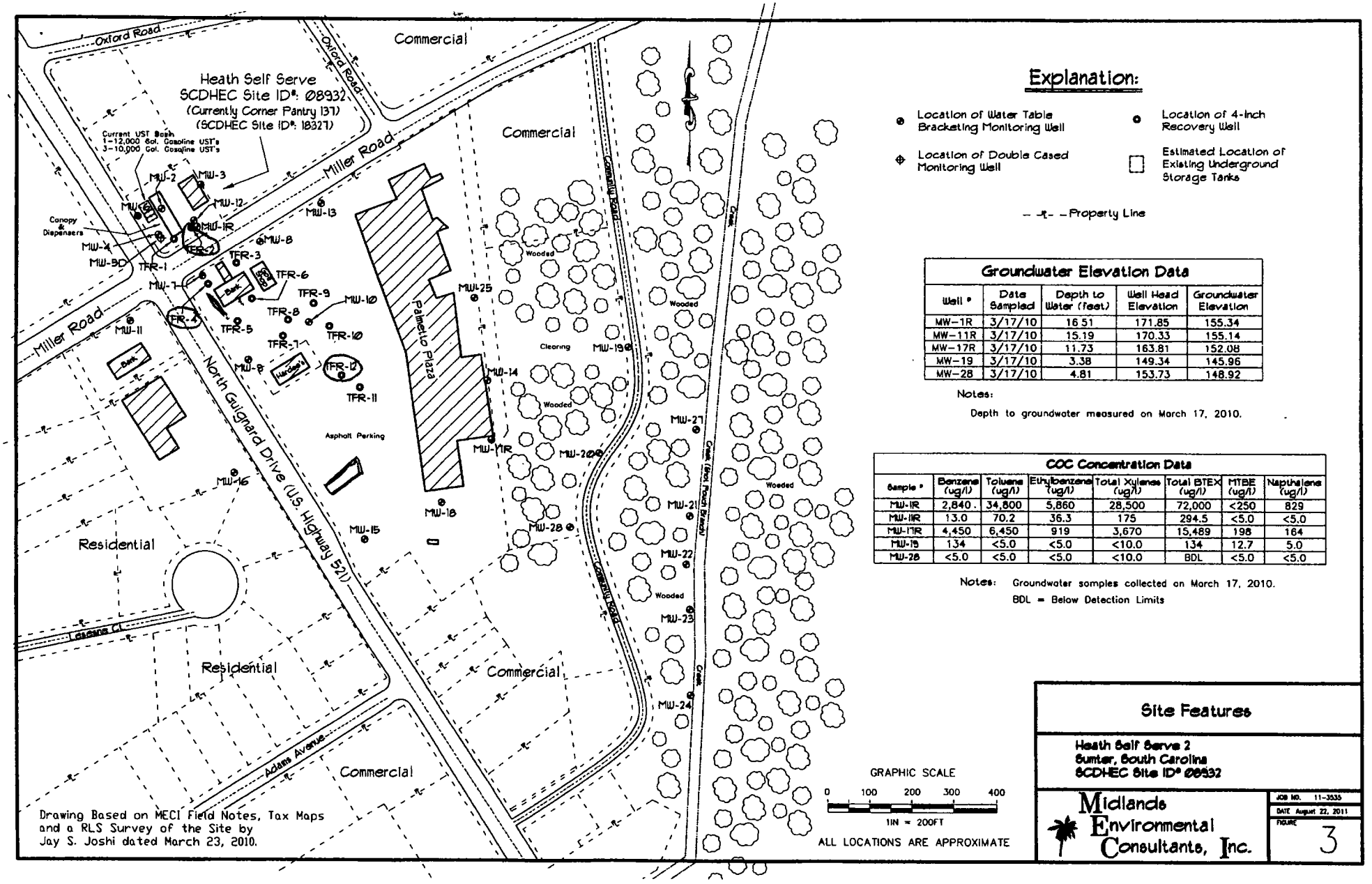
↑ = Stinger raised ↓ = Stinger lowered

[1] Readings not collected due to heavy rain. Average of previous and subsequent readings used for calculations

TABLE 2
EVENT MONITORING DATA
HQ HEATH SELF SERV 2
SCDHEC SITE ID #08932
EMERALD JOB #14-039A

Date	Time (hh:mm)	Extraction Well		Event Monitoring					
		MW-12		MW-1R		MW-3		TFR-1	
		Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Magnehelic Reading (inches of water)	Depth to Water	Magnehelic Reading (inches of water)	Depth to Water	Magnehelic Reading (inches of water)	Depth to Water
9/22/14	8:00	17.0	5	Pre	17.08	Pre	18.62	Pre	16.52
	8:30	17.5	7	–	17.06	–	18.61	–	16.51
	9:00	18.0	7	2	17.02	<1	18.60	3.1	16.50
	9:30	18.5	6	1.9	17.00	<1	18.60	3.1	16.50
	10:00	19.0	10	1.1	16.96	<1	18.60	3.1	16.49
	10:30	19.0	13	2.2	16.92	<1	18.59	3.1	16.49
	11:00	19.0	7	1.8	16.93	<1	18.59	Magnehelic Gauge Broken	
	11:30	19.0	14	2.1	16.93	<1	18.59	–	–
	12:00	19.0	6	1	16.93	<1	18.59	–	–
	12:30	19.0	5.5	1.3	16.94	<1	18.60	–	–
	13:00	19.0	6	1.8	16.95	<1	18.60	–	–
	13:30	19.0	6	1.8	16.98	<1	18.60	–	–
	14:00	19.0	6	1.9	17.00	<1	18.60	–	–
	14:30	19.0	6	1.8	17.01	<1	18.60	–	–
	15:00	19.0	6	1.3	17.01	<1	18.60	–	–
	15:30	19.0	NR	NR	NR	NR	NR	–	–
	16:00	19.0	6	<1	17.03	<1	18.60	–	–
	17:00	19.0	15	3.2	17.06	<1	18.60	–	–
	18:00	19.0	NR	NR	NR	NR	NR	–	–
	19:00	19.0	15	5.2	18.21	<1	18.61	–	–
	20:00	19.0	15	5.3	18.37	0.4	18.62	–	–
	21:00	19.0	16	5	18.49	0.3	18.61	–	–
	22:00	19.0	15	5.4	18.52	0.3	18.62	–	–
	23:00	19.0	15	5.2	18.55	0.2	18.63	–	–
9/23/14	0:00	19.0	15	4.9	18.59	0.4	18.62	–	–
	8:00	19.0	15	2.9	17.18	<1	18.65	–	–
	10:00	19.0	6	2.9	17.23	<1	18.65	–	–
	12:00	17.0	6	2.8	17.31	<1	18.66	–	–
	14:00	18.0	6	2.9	17.36	<1	18.66	–	–
	16:00	19.0	11	2.9	17.37	<1	18.66	–	–
	18:00	17.0	6	2.8	17.23	<1	18.66	–	–
	20:00	17.0	5	2.9	17.21	<1	18.66	–	–
	22:00	17.0	5	2.7	17.22	<1	18.66	–	–
9/24/14	0:00	17.0	6	2.6	17.20	<1	18.66	–	–
	8:00	17.0	6	1.3	17.18	<1	18.60	–	–

Notes: NR = Readings not collected due to heavy rain.



Explanation:

- Location of Water Table Bracketing Monitoring Well
- Location of 4-inch Recovery Well
- Location of Double Cased Monitoring Well
- Estimated Location of Existing Underground Storage Tanks
- Property Line

Groundwater Elevation Data

Well #	Date Sampled	Depth to Water (feet)	Well Head Elevation	Groundwater Elevation
MW-1R	3/17/10	16.51	171.85	155.34
MW-11R	3/17/10	15.19	170.33	155.14
MW-17R	3/17/10	11.73	163.81	152.08
MW-19	3/17/10	3.38	149.34	145.96
MW-28	3/17/10	4.81	153.73	148.92

Notes:

Depth to groundwater measured on March 17, 2010.

COC Concentration Data

Sample #	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Total Xylenes (ug/l)	Total BTEX (ug/l)	MTBE (ug/l)	Naphthalene (ug/l)
MW-1R	2,840	34,800	5,860	28,500	72,000	<250	829
MW-11R	13.0	70.2	36.3	175	294.5	<5.0	<5.0
MW-17R	4,450	6,450	919	3,670	15,489	198	164
MW-19	134	<5.0	<5.0	<10.0	134	12.7	5.0
MW-28	<5.0	<5.0	<5.0	<10.0	BDL	<5.0	<5.0

Notes: Groundwater samples collected on March 17, 2010.
BDL = Below Detection Limits

GRAPHIC SCALE
0 100 200 300 400
1IN = 200FT

ALL LOCATIONS ARE APPROXIMATE

Site Features

Heath Self Serve 2
Sumter, South Carolina
SCDHEC Site ID# 08932

Midlands Environmental Consultants, Inc.

JOB NO. 11-3535
DATE August 22, 2011
FIGURE 3

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 620

2. Page 1 of

3. Generator's Name and Mailing Address
HQ Heath Self Serv 2
501 N. Guignard Drive
Sumter, SC UST #08932

4. Generator's Phone ( )

5. Transporter 1 Company Name | 6. US EPA ID Number | A. State Transporter's ID | B. Transporter 1 Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | C. State Transporter's ID | D. Transporter 2 Phone

9. Designated Facility Name and Site Address
City of Manning
Wastewater Treatment Facility
PO Box 546
Manning, SC 29102

10. US EPA ID Number | E. State Facility's ID | F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON-HAZARDOUS PETROLEUM CONTAMINATED WATER-PROFILE #			3092	GAL
b.				
c.				
d.				

GENERATOR

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
DANNY F. RIDGEWAY	Danny F. Ridgeway	9	24	14

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Lee Stogner		9	24	14

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date Month	Day	Year
James Bethea	James Bethea	9	26	14

521 Litchfield

Emerald, Inc.

CONSULTING AND ENGINEERING
SERVICES IN ENVIRONMENTAL AFFAIRS

2520 TAHOE DRIVE • POST OFFICE BOX 3050 • SUMTER, SOUTH CAROLINA 29151

WEBSITE:
www.emeraldinc-us.com

TELEPHONE (803) 469-5454
FAX (803) 469-5465

UST
OCT 07 2014
PROGRAM

September 30, 2014

UST
50 ten
DOCKETING

Cathleen Ridgley, Hydrogeologist
Corrective Action Section
Underground Storage Tank Management Division
Bureau of Underground Storage Tank Management
South Carolina Department of Health and
Environmental Control
2600 Bull Street
Columbia, SC 29201

Aggressive Fluid Vapor Recovery Report
HQ Heath Self Serv 2
Sumter, South Carolina
Sumter County
UST Permit #08932; CA #47080
Emerald Job 14-039B

Ms. Ridgley,

Please find the attached Aggressive Fluid Vapor Recovery (AFVR) Report for the HQ Heath Self Serv 2 site. Prior to conducting this AFVR event information gathered during the site reconnaissance was presented to the SCDHEC project manager for review.

AGGRESSIVE FLUID VAPOR RECOVERY EVENTS

On September 24 through 26, 2014, Emerald, Inc. personnel performed a 48-hour AFVR event utilizing TFR-12 as the extraction location. This 48-hour event was conducted to aid reducing dissolved levels of chemicals of concern previously detected at the subject site. Free phase petroleum product was not detected prior to initiation or at the conclusion of this event. TFR-10 was used for event monitoring due to no other monitoring wells to being located within a reasonable distance from the extraction location. Numerous nearby monitoring wells appear

to have been covered by recent paving. Monitoring well locations are presented on the attached site map provided by SCDHEC.

Table 1 presents the off-gas concentrations (using a Photoionization Detector), post treatment off-gas concentrations, off-gas velocity, and knockout tank vacuum. Table 2 presents the stinger depths, wellhead vacuum measurements, water levels measurements and magnehelic readings obtained during the event. Emerald, Inc. field personnel normally record data at thirty minute intervals for the first eight hours of the event, then at one hour intervals from hours nine through twenty four and at two hour intervals from hour twenty four until the conclusion of the event. During the hours of midnight to 8 AM event monitoring was suspended. Off-gas treatment was utilized during business hours at the site to limit exposure of the off-gas produced to the general public using a thermal oxidizer.

According to the calculations as presented on Table 1, a total of 101.18 pounds of hydrocarbons (as vapor) and 16.18 equivalent gallons of hydrocarbons were removed during this event. Free phase product was not detected in the knockout tank during this event. A total of 4,301 gallons of petroleum contaminated groundwater was transported to the City of Manning Wastewater Treatment Facility in Manning, SC for proper disposal. A copy of the disposal manifest for this event is included as an attachment.

If you have any questions or concerns please feel free to contact Emerald, Inc. at 803-469-5454.

Sincerely,
Emerald, Inc.

William C. McClary, P.G.
Project Manager

Ronny L. Lowder
President

Attachments

TABLE 1
AFVR MONITORING DATA
HQ HEATH SELF SERV 2
SCDHEC SITE ID #08932
EMERALD JOB #14-039B

Extraction Well	Date	Time (hh:mm)	Differential Time (hr)	Knockout Tank Vacuum (in. Hg)	Off-Gas Concentration (PPM)	Post-Treatment Concentration (PPM)	Offgas Velocity (ft/min)	Flow Rate (CFM)	CG:M (mg/dsm^3)	Cg (Lb/Dscf)	Removal Rate (Lbs/Hr)	Interval Removal (Lbs)
TFR-12	9/24/14	8 30	Start	15	314	0	2,613	128 26	1,670	1 04E-04	0 80	-
		9 00 ↓	0 5	12	387	0	2,577	126.49	2,058	1 28E-04	0 98	0 44
		9 30 ↓	0 5	12	358	0 1	2,682	131 65	1,904	1 19E-04	0 94	0.48
		10 00 ↓	0 5	12	395	0	3,041	149 27	2,100	1 31E-04	1 17	0 53
		10 30 ↓	0 5	12	429	0	3,227	158 40	2,281	1 42E-04	1 35	0 63
		11 00 ↓	0 5	12	362	0	3,191	156 63	1,925	1 20E-04	1 13	0 62
		11 30 ↓	0 5	12	403	0 1	3,262	160 12	2,143	1.34E-04	1 29	0 60
		12 00 ↓	0 5	12	372	0 1	3,224	158 25	1,978	1 23E-04	1 17	0 61
		12 30 ↓	0 5	12	366	0	3,127	153 49	1,946	1.22E-04	1 12	0 57
		13 00 ↓	0 5	12	433	0 1	3,115	152 90	2,303	1 44E-04	1 32	0 61
		13 30 ↓	0 5	12	252	0 2	3,063	150 35	1,340	8 37E-05	0 75	0 52
		14 00 ↓	0 5	12	213	0 1	3,122	153 24	1,133	7 07E-05	0 65	0 35
		14 30 ↓	0 5	12	237	0 0	3,256	159 82	1,260	7 87E-05	0 75	0 35
		15 00 ↓	0 5	15	307	0 1	2,536	124 48	1,633	1.02E-04	0 76	0 38
		15 30 ↓	0 5	15	339	0 1	2,484	121 93	1,803	1.13E-04	0 82	0 40
		16 00 ↓	0 5	14	318	0 1	2,514	123 40	1,691	1 06E-04	0 78	0 40
		16 30 ↓	0 5	14	281	0	2,437	119 62	1,494	9 33E-05	0 67	0 36
		17 30 ↓	1 0	14	27	0	2,797	137 29	144	8.96E-06	0 07	0 37
		18 30	1 0	15	382	0	3,133	153 78	2,031	1.27E-04	1 17	0 62
		19 30	1 0	15	341	0 1	3,082	151 28	1,813	1.13E-04	1 03	1 10
		20 30	1 0	15	356	0 1	3,218	157 96	1,893	1 18E-04	1 12	1 07
		21 30	1 0	15	379	0 2	3,195	156 83	2,015	1.26E-04	1 18	1 15
		22 30	1 0	15	363	0 1	3,076	150 99	1,930	1.21E-04	1 09	1 14
		23 30	1 0	15	341	N/A	3,166	155 40	1,813	1 13E-04	1 06	1 07
	9/25/14	0 00	1 0	15	378	N/A	3,179	156 04	2,010	1 25E-04	1 17	1 12
		8 00	8 0	13	1,179	N/A	2,605	127 87	6,270	3 91E-04	3 00	16 71
		10 00	2 0	12	1,003	N/A	3,038	149 12	5,334	3 33E-04	2.98	5 98
		12 00	2 0	11	1,129	0 2	2,914	143 03	6,004	3 75E-04	3 22	6 20
		14 00	2 0	11	612	0 1	3,567	175 09	3,254	2 03E-04	2 13	5 35
		16 00	2 0	12	878	0 1	3,224	158 25	4,669	2 91E-04	2 77	4 90
		18 00	2 0	12	884	0 2	3,465	170 08	4,701	2 93E-04	2 99	5 76
		20 00	2 0	12	911	0 2	3,386	166 20	4,844	3 02E-04	3 02	6 01
		22 00	2 0	12	852	N/A	3,207	157 42	4,531	2 83E-04	2 67	5 69
	9/26/14	0 00	2 0	12	877	N/A	3,314	162.67	4,664	2.91E-04	2 84	5 51
		8 00	8 0	13	921	N/A	3,004	147 45	4,898	3.06E-04	2 71	22 19
		8 30	0 5	14	933	N/A	3,019	148 19	4,961	3 10E-04	2 75	1 36

Well Gauging Data			Before AFVR Event			After AFVR Event		
Well No.	Diameter (in)	Screened Interval (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)
TFR-12	4	Uknown	-	15 35	-	-	16 85	-

Product Thickness	
Product observed in Sight Tube?	No
Product detected in Tanker?	No

Weather Conditions		Emerald, Inc. Personnel
9/24/14	Sunny, 55°F-66°F	L Bishop
9/25/14	Sunny, 62°F-74°F	D Ridgeway
9/26/14	Sunny, 64°F-73°F	

Recovery / Disposal Information		
Hydrocarbons Removed (vapor):	101 18	Pounds
Hydrocarbons Removed (liquid):	0 00	Gallons
Total Hydrocarbons Removed:	16 18	Equivalent Gallons
Molecular Weight Utilized:	128	mg/mg-mole
Disposal Facility:	City of Manning Wastewater Treatment Plant	
Total Liquids Removed:	4,301	Gallons

Equations

Cg,m = PPMg*(Mg/K3)

Removal Rate = Cg * Flow Rate * 60Min/Hr

Interval Removal = $(T_1 + T_2)/2$

PPM = Part per Million (by PID)

Cg.m = mg/dsm3(mass concentration of gasoline emission)

Mg = 128 mg/mg-mole, molecular weight of gasoline

K3 = 24 07 dsm^3/1E6 mg-mole, mass to volume conversion

Cg = lb/dcsf, mass concentration of gasoline by emission

Removal Rate = lb/hr,pollutant mass removal rate of emission

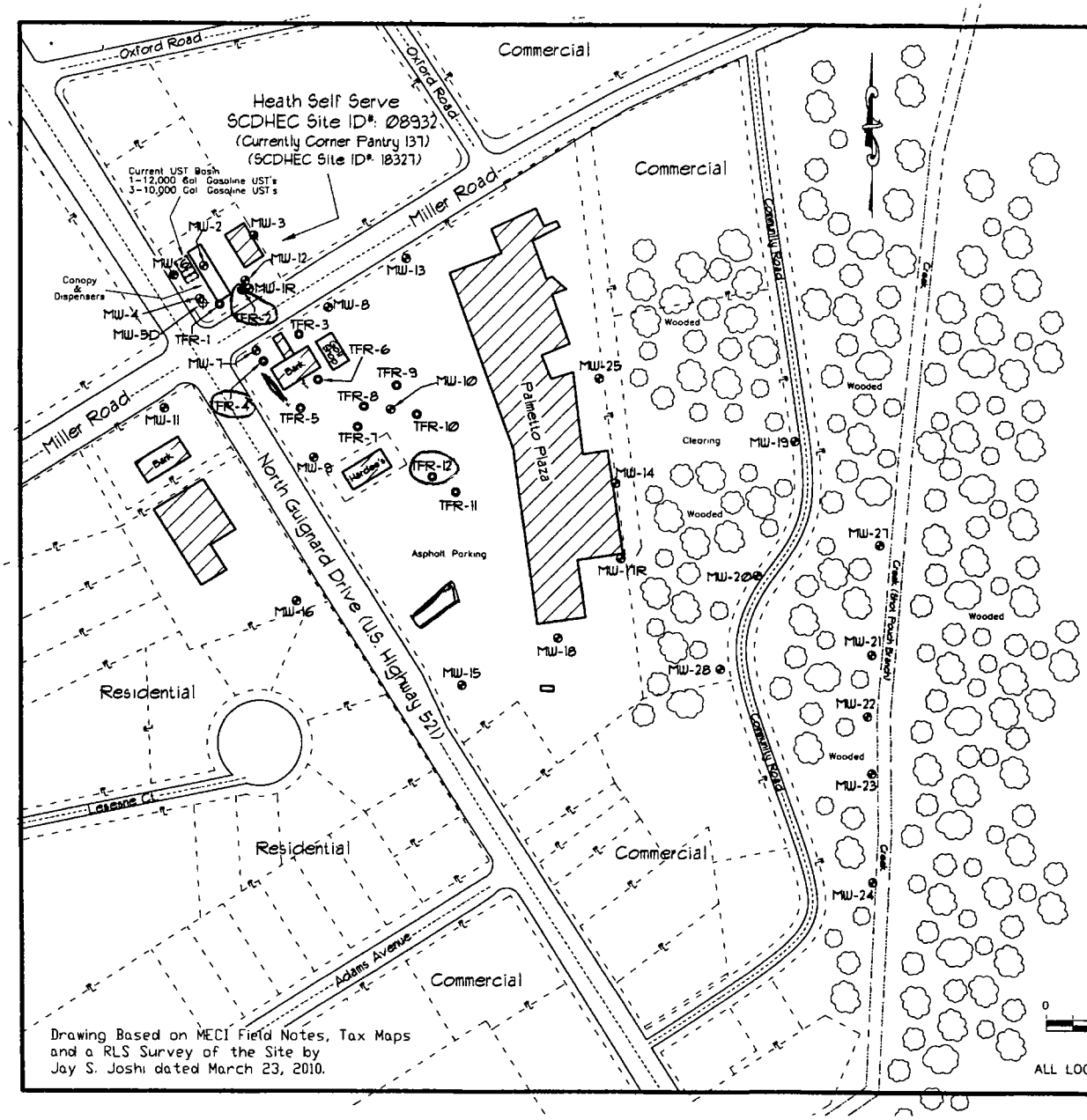
Notes

↑ = Stinger raised ↓ = Stinger lowered

TABLE 2
EVENT MONITORING DATA
HQ HEATH SELF SERV 2
SCDHEC SITE ID #08932
EMERALD JOB #14-039B

Date	Time (hh:mm)	Extraction Well		Event Monitoring[1]					
		TFR-12		TFR-10					
		Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Magnehelic Reading (inches of water)	Depth to Water	Magnehelic Reading (inches of water)	Depth to Water	Magnehelic Reading (inches of water)	Depth to Water
9/24/14	8:30	15.0	13	Pre	15.96				
	9:00	15.5	9	<1	15.96				
	9:30	16.0	9	0.2	15.97				
	10:00	16.5	9	0.4	15.97				
	10:30	17.0	9	0.7	16.01				
	11:00	17.5	9	0.6	16.01				
	11:30	18.0	9	0.5	16.01				
	12:00	18.5	9	0.5	16.02				
	12:30	19.0	9	0.6	16.02				
	13:00	19.5	9	0.4	16.03				
	13:30	20.0	11.5	0.5	16.03				
	14:00	20.5	11.5	0.5	16.03				
	14:30	21.0	11.5	0.6	16.04				
	15:00	21.5	12	0.2	16.04				
	15:30	22.0	12	0.3	16.04				
	16:00	22.5	14	0.5	15.99				
	16:30	23.0	14	0.6	15.96				
	17:30	18.0	12	0.5	15.97				
	18:30	18.0	12	0.5	15.97				
	19:30	18.0	12	0.4	15.98				
	20:30	18.0	12	0.5	15.98				
	21:30	18.0	12	0.5	15.97				
	22:30	18.0	13	0.6	15.97				
	23:30	18.0	12	0.5	15.97				
9/25/14	0:00	18.0	12	0.5	15.98				
	8:00	18.0	11	3.1	16.04				
	10:00	18.0	9	2.3	16.04				
	12:00	18.0	9	1.8	16.04				
	14:00	18.0	8	2.0	16.02				
	16:00	18.0	8	2.3	16.00				
	18:00	18.0	8	2.3	15.98				
	20:00	18.0	9	2.1	15.97				
	22:00	18.0	9	2.4	15.96				
9/26/14	0:00	18.0	8	2.3	15.97				
	8:00	18.0	8	2.6	16.01				
	8:30	18.0	8	2.2	16.01				

Notes: [1] TFR-10 was the only monitoring well located near the extraction well. Numerous nearby monitoring wells appear to have been covered by recent paving.



Explanation:

- Location of Water Table Bracketing Monitoring Well
- Location of 4-Inch Recovery Well
- Location of Double Cased Monitoring Well
- Estimated Location of Existing Underground Storage Tanks
- Property Line

Groundwater Elevation Data

Well #	Date Sampled	Depth to Water (feet)	Well Head Elevation	Groundwater Elevation
MW-1R	3/17/10	16.51	171.85	155.34
MW-11R	3/17/10	15.19	170.33	155.14
MW-17R	3/17/10	11.73	163.81	152.08
MW-19	3/17/10	3.38	149.34	145.96
MW-28	3/17/10	4.81	153.73	148.92

Notes:

Depth to groundwater measured on March 17, 2010.

COC Concentration Data

Sample #	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Total Xylenes (ug/l)	Total BTEX (ug/l)	MTBE (ug/l)	Naphthalene (ug/l)
MW-1R	2,840	34,800	5,860	28,500	72,000	<250	829
MW-11R	13.0	70.2	36.3	175	294.5	<5.0	<5.0
MW-17R	4,450	6,450	919	3,670	15,489	198	164
MW-19	134	<5.0	<5.0	<10.0	134	12.7	5.0
MW-28	<5.0	<5.0	<5.0	<10.0	BDL	<5.0	<5.0

Notes: Groundwater samples collected on March 17, 2010

BDL = Below Detection Limits

GRAPHIC SCALE

0 100 200 300 400

1IN = 200FT

ALL LOCATIONS ARE APPROXIMATE

Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated March 23, 2010.

Site Features

Heath Self Serve 2
Sumter, South Carolina
SCDHEC Site ID# 08932

Midlands Environmental Consultants, Inc.

JOB NO. 11-3535
DATE August 22, 2011
FIGURE 3

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 621

2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address
HQ Heath Self Serv 2
501 N. Guignard Drive
Sumter, SC UST #08932

4. Generator's Phone ( )

5. Transporter 1 Company Name | 6. US EPA ID Number | A. State Transporter's ID | B. Transporter 1 Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | C. State Transporter's ID | D. Transporter 2 Phone

9. Designated Facility Name and Site Address
City of Manning
Wastewater Treatment Facility
PO Box 546
Manning, SC 29102

10. US EPA ID Number | E. State Facility's ID | F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON-HAZARDOUS PETROLEUM CONTAMINATED WATER-PROFILE #			390	GAL
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: DANNY F. RIDGEWAY | Signature | Date: Month 9 Day 24 Year 14

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Lee Stogner | Signature | Date: Month 9 Day 24 Year 14

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19

Printed/Typed Name: James Bethea | Signature: James Bethea | Date: Month 9 Day 26 Year 14

521 Liftstation

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 622

2. Page 1 of

3. Generator's Name and Mailing Address
HQ Heath Self Serv 2
501 N. Guignard Drive
Sumter, SC UST #08932

4. Generator's Phone ( )

5. Transporter 1 Company Name | 6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
City of Manning
Wastewater Treatment Facility
PO Box 546
Manning, SC 29102

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON-HAZARDOUS PETROLEUM CONTAMINATED WATER-PROFILE #			3911	GAL
b.				
c.				
d.				

GENERATOR

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Levi J Bishop | Signature: Levi J Bishop | Date: Month 9 Day 26 Year 14

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Lee Staggill | Signature: [signature] | Date: Month 9 Day 26 Year 14

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

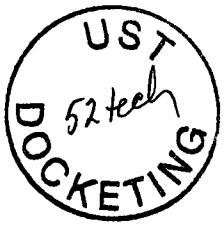
FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: James Bethea | Signature: James Bethea | Date: Month 9 Day 29 Year 14

D H E C
PROMOTE PROTECT PROSPER
Catherine B. Templeton, Director
Promoting and protecting the health of the public and the environment



BRYAN SHANE
MIDLANDS ENVIRONMENTAL CONSULTANTS
PO BOX 854
LEXINGTON SC 29071

OCT 2 4 2014

Re: **Site Specific Work Plan Request**
Groundwater Sampling Contract
Solicitation # IFB-5400007403, PO#4600368640

Dear Mr. Shane:

In accordance with bid solicitation # IFB-5400007403 and the UST Management Division Quality Assurance Program Plan (QAPP), Revision 2.0 it is requested that you submit a Site Specific Work Plan for each site listed below. The plans must be submitted **within 15 business days** to my attention. The project manager for each site will issue a notice to proceed once the plan has been reviewed and approved.

UST Permit #	Site Name	County	# samples and requested analysis*	Project Manager
00493	Action Fuels KMO	Anderson	16-BTEXMN, DCA, & Oxygenates	R. Miner
14162	Getsingers Grocery	Anderson	10-BTEXMN, DCA, Oxygenates, & EDB	R. Miner
01987	Zippitys 1	Cherokee	51-BTEXMN, DCA, Oxygenates, EDB, & Lead	M. Milenkova
18131	Frm Fast Fare	Greenwood	30-BTEXMN, DCA, Oxygenates, & EDB	J. Bryant
04756	Dickerts Moving	Greenwood	16-BTEXMN, DCA, Oxygenates, & EDB	D. Orgain
17857	Max	York	31-BTEXMN, DCA, Oxygenates, EDB & Lead	D. Orgain
09395	Winn Express	York	27-BTEXMN, DCA, Oxygenates, & EDB	D. Thoma
09210	Brownies Service	York	18-BTEXMN, DCA, Oxygenates, & EDB	D. Thoma
~~12418~~	Joseph Brook Groc	Richland	12-BTEXMN, DCA, & Oxygenates	R. Miner
08932	HQ Heath Self Serve	Sumter	37-BTEXMN, DCA, Oxygenates, & EDB	C. Ridgley
15438	Abandoned Station	Colleton	44-BTEXMN, DCA, Oxygenates, & EDB	J. Bryant
16428	Dr Tire	Beaufort	26-BTEXMN, DCA, Oxygenates, & EDB	J. Bryant
07262	Frm Central Exxon	Pickens	18-BTEXMN, DCA, Oxygenates, & EDB	J. Padgett
19416	Frm Adams Oil	Oconee	18-BTEXMN, DCA, Oxygenates, & EDB	J. Padgett
12897	Frm AM Flag Conv	Dorchester	35- BTEXMN, DCA, Oxygenates	J. Padgett
14238	Butlers Gulf	Charleston	30- BTEXMN, DCA, Oxygenates	J. Padgett

*The number of samples may not include trip blanks, field blanks, or field duplicates.

Please contact me with the sampling schedule before commencing work at these facilities. In addition, a weekly update for each site is required to be submitted via e-mail to the site's project manager and myself. If you have any questions or need further assistance, please contact me at (803) 898-0631 or thomadl@dhec.sc.gov.

Sincerely,

Debra L. Thoma

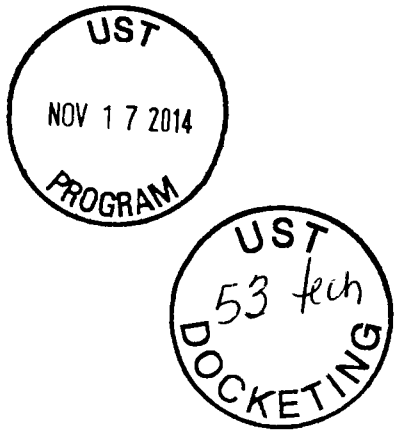
Debra L. Thoma, Hydrogeologist
Corrective Action Section
UST Management Division
Bureau of Land & Waste Management

Enc: Site Information Packages

cc: Technical Files

Midlands Environmental Consultants, Inc.

November 13, 2014



Mr. John Bryant, Hydrogeologist
Corrective Action Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Subject: Site-Specific Work Plan
H Q Heath Self Serv 2
Sumter, South Carolina
SCDHEC Site ID Number 08932
MECI Project Number 14-5017
Certified Site Rehabilitation Contractor UCC-0009

Dear Mr. Bryant,

Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Site-Specific Work Plan for the referenced site.

On November 12, 2014, MECI personnel performed a site visit to the subject site to evaluate site conditions, locate monitoring wells and identify potential problems for future sampling activities.

If you have any question or comments please feel free to contact us at 803-808-2043.

Sincerely,
Midlands Environmental Consultants, Inc.

Kyle V. Pudney
Project Biologist

Jeff L. Coleman
Senior Scientist

Post Office Box 854, Lexington SC 29071 • 231 Dooley Road, Lexington, SC 29073
Telephone: (803) 808-2043 • fax: (803) 808-2048

Midlands Environmental Consultants, Inc.

D H E C
PROMOTE PROTECT PROSPER

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

To: Ms. Cathleen Ridgley (SCDHEC Project Manager)
From: Mr. Jeff Coleman (Contractor Project Manager)
Contractor: Midlands Environmental Consultants, Inc. UST Contractor Certification Number: 009

Facility Name: H Q Heath Self Serv 2 UST Permit #: 08932
Facility Address: 501 North Guignard Drive, Sumter, SC 29150
Responsible Party: Coca Cola Bottling Co. Consolidated Phone: N/A
RP Address: N/A
Property Owner (if different): N/A
Property Owner Address: N/A
Current Use of Property: Active Gas Station

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 1 Field Blank
34 Monitoring Wells _____ Surface Water 2 Duplicate 1 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 #: 08932 Facility Name: H Q Heath Self Serv 2

Implementation Schedule (Number of calendar days from approval)
Field Work Start-Up: 11/27/2014 Field Work Completion: 12/27/2014
Report Submittal: 1/27/2015 # 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: 400.0 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.
-Monitoring wells MW-19, MW-20, MW-21, MW-22, MW-23, MW-24, and MW-27 were not located. Monitoring well TFR-5 has been abandoned. Monitoring wells MW-9, MW-10, TFR-7, and TFR-8 appear to have been paved over. If any of these wells are located during the sampling event, they will be sampled accordingly.
-All other wells were found to be in good condition.

Compliance With Annual Contractor Quality Assurance Plan (ACQAP)
No Laboratory as indicated in ACQAP? (Yes/No) If no, indicate laboratory information below.
Name of Laboratory: PACE Analytical Services, Inc.
SCDHEC Certification Number: 99006001
Name of Laboratory Director: Jeff Graham

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

Yes Other variations from ACQAP. Please describe below.
MECI has submitted ammended ACQAP for review. The ammeded ACQAP documents MECI's intention to utilize PACE Analytical Services, Inc. as our primary lab. This ammended ACQAP is still under review, however MECI is requesting approval to send samples collected from the above referenced site to PACE Analytical Services, Inc.

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 COST AGREEMENT
SOUTH CAROLINA

Department of Health and Environmental Control
Underground Storage Tank Management Division
State Underground Petroleum Environmental Response Bank Account

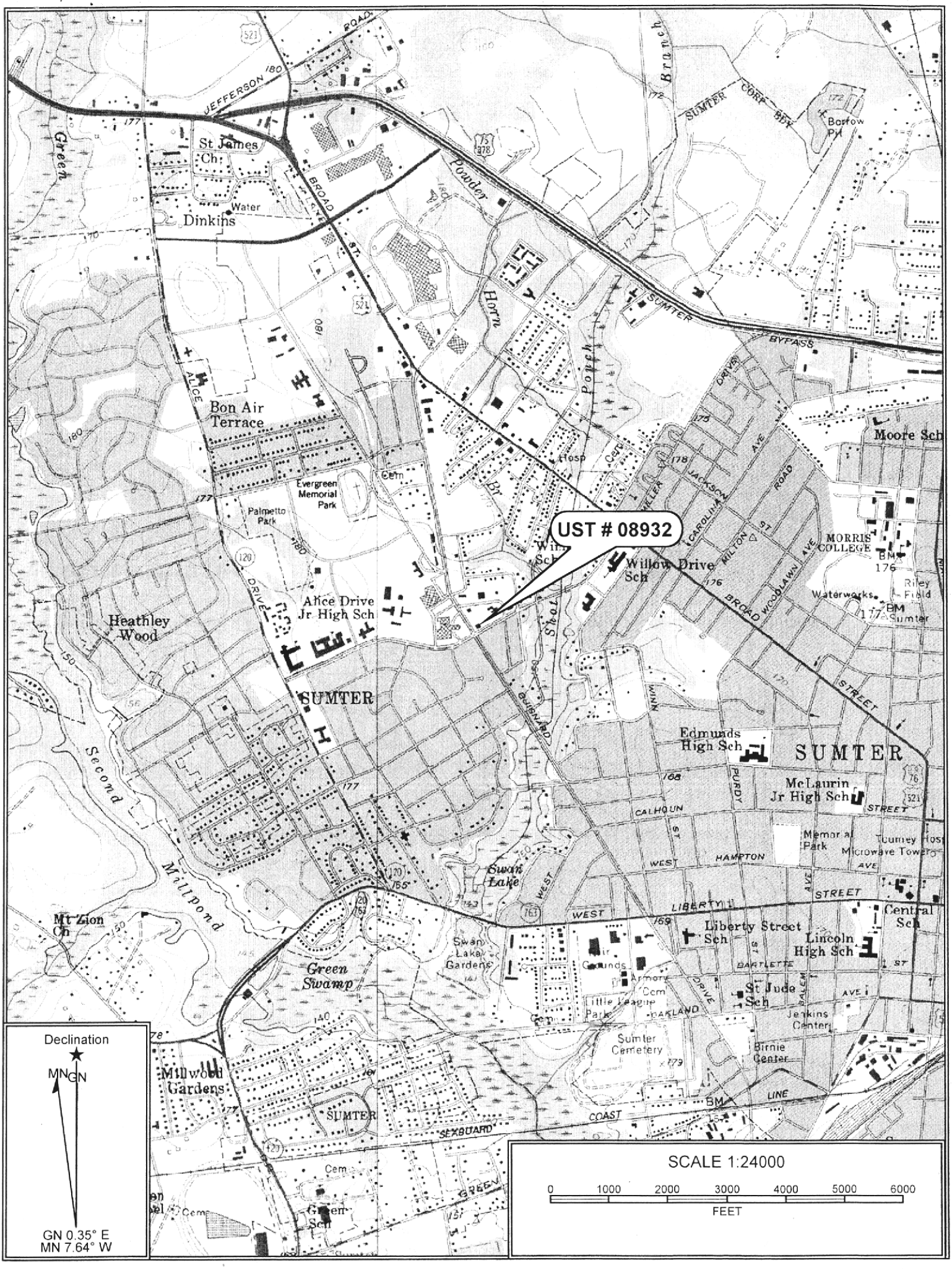
CONTRACT PO NUMBER 4600328425

Facility Name: H Q Heath Self Serv 2

UST Permit #: 08932 **Cost Agreement #:** Proposal

ITEM	QUANTITY	UNIT	UNIT PRICE		TOTAL
1. **Plan***					
A1. Site Specific Work Plan	1	each	$0.00		$0.00
C1. QAPP Appendix B		each	$0.00		$0.00
2. A1. Receptor Survey		each	$0.00		$0.00
4. **Mob/Demob**					
B1. Personnel	1	each	$350.00		$350.00
10. **Groundwater Sample Collection / Gauge Depth to Water or Product (Each)**					
A1. Groundwater Purge	34	per well	$16.00		$544.00
B1. Air or Vapors		samples	$0.00		$0.00
C1. Water Supply		samples	$5.00		$0.00
D1. Groundwater No Purge or Duplicate		per well	$8.00		$0.00
E1. Gauge Well only		per well	$0.00		$0.00
F1. Sample Below Product		per well	$0.00		$0.00
G1. Pasive Diffusion Bag		each	$20.00		$0.00
H1. Field Blank	1	each	$10.00		$10.00
17. **Disposal* (gallons or tons)**					
AA. Disposal/Water	400	gallons	$1.00		$400.00
BB. Free Product		gallons	$0.00		$0.00
Note: Rate includes costs or rental of suitable container(s)					
23. D. Site Reconnaissance	1	each	$0.00		$0.00
18. **Miscellaneous (attach receipts)**					
GW Contour Map		each	$25.00		$0.00
Isopleth Map		each	$25.00		$0.00
High-Strength Well Pad Replacement		each	$75.00		$0.00
Data Table		each	$25.00		$0.00
25. **Well Repair**					
B1. Repair 2x2 MW Pad		each	$75.00		$0.00
C1. Repair 4x4 MW Pad		each	$75.00		$0.00
D1. Replace Well Vault		each	$75.00		$0.00
E. Replace well cover		each	$25.00		$0.00
F1. Replace well cover bolts		each	$2.60		$0.00
G. Replace locking well cap & lock		each	$15.00		$0.00
K1. Replace Missing Well ID Plate		each	$10.00		$0.00
TOTAL					$1,304.00

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


UST # 08932
Declination
MN GN
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MN 7.64° W
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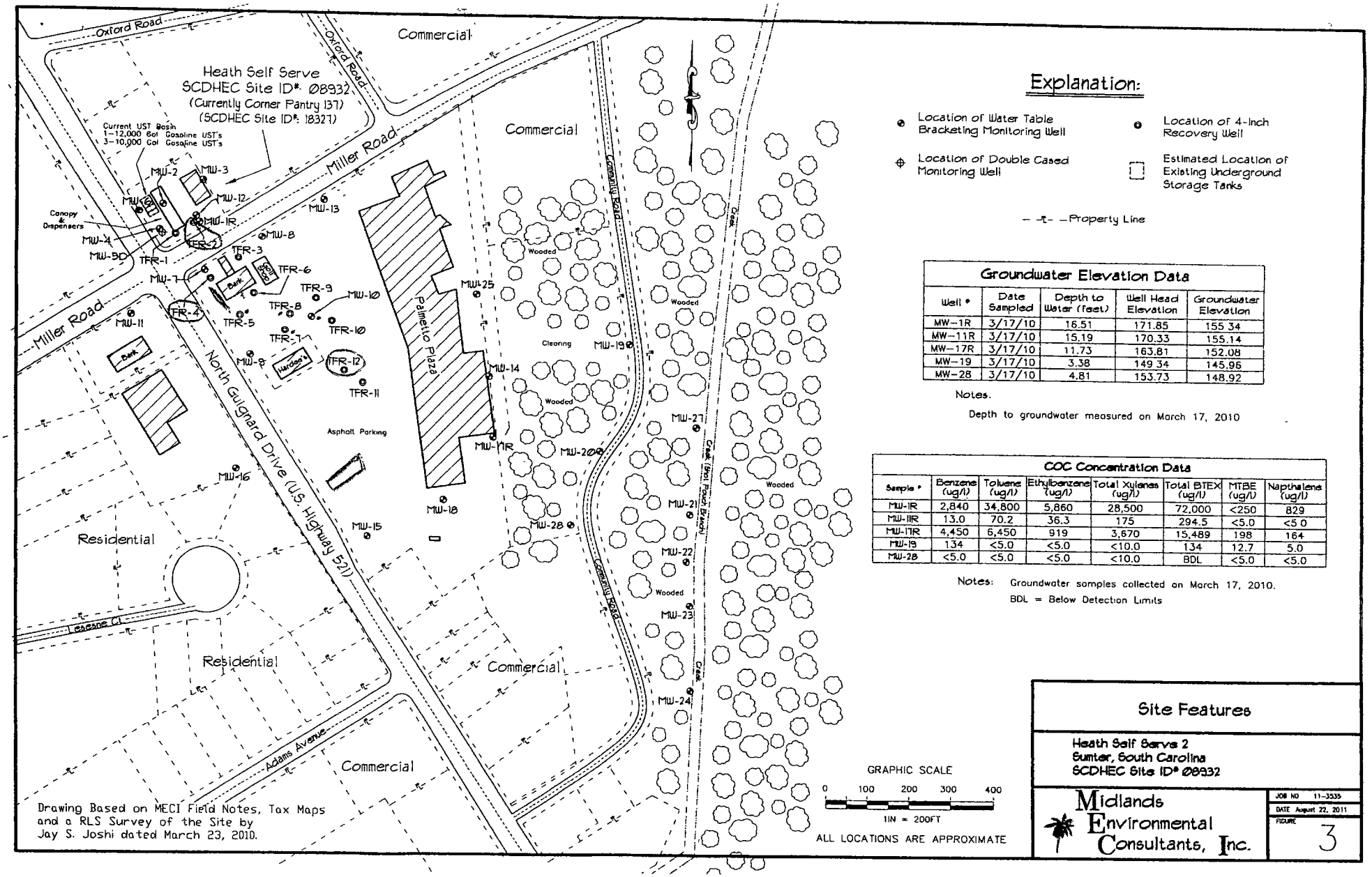
FEET



Explanation:

- Location of Water Table Bracketing Monitoring Well
- Location of 4-inch Recovery Well
- Location of Double Cased Monitoring Well
- Estimated Location of Existing Underground Storage Tanks
- Property Line

Groundwater Elevation Data

Well #	Date Sampled	Depth to Water (feet)	Well Head Elevation	Groundwater Elevation
MW-1R	3/17/10	16.51	171.85	155.34
MW-11R	3/17/10	15.19	170.33	155.14
MW-17R	3/17/10	11.73	163.81	152.08
MW-19	3/17/10	3.38	149.34	145.96
MW-28	3/17/10	4.81	153.73	148.92

Notes.

Depth to groundwater measured on March 17, 2010

COC Concentration Data

Sample #	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Total Xylenes (ug/l)	Total BTEX (ug/l)	MTBE (ug/l)	Napthalene (ug/l)
MW-1R	2,840	34,800	5,860	28,500	72,000	<250	829
MW-11R	13.0	70.2	36.3	175	294.5	<5.0	<5.0
MW-17R	4,450	6,450	919	3,670	15,489	198	164
MW-19	134	<5.0	<5.0	<10.0	134	12.7	5.0
MW-28	<5.0	<5.0	<5.0	<10.0	BDL	<5.0	<5.0

Notes: Groundwater samples collected on March 17, 2010.
BDL = Below Detection Limits

GRAPHIC SCALE
0 100 200 300 400
1IN = 200FT

ALL LOCATIONS ARE APPROXIMATE

Site Features

Heath Self Serve 2
Sumter, South Carolina
SCDHEC Site ID# 08932

Midlands Environmental Consultants, Inc.

JOB NO 11-3535
DATE August 22, 2011
FIGURE 3

D H E C
PROMOTE PROTECT PROSPER
Catherine B. Templeton, Director
Promoting and protecting the health of the public and the environment

NOV 2 1 2014

BRYAN SHANE
MIDLANDS ENVIRONMENTAL CONSULTANTS
PO BOX 854
LEXINGTON SC 29071

Re: **Notice to Proceed-Site Specific Work Plan Approval**
Groundwater Sampling Contract
Solicitation # IFB-5400007403, PO#4600368640
H Q Heath Self Serv 2, 501 N. Guignard Dr., Sumter, SC
UST Permit #08932; CA #49021; (Pace CA #49020)
Sumter County

Dear Mr. Shane:

In accordance with bid solicitation #IFB-5400007403 and the UST Management Division Quality Assurance Program Plan (QAPP), the Site-Specific Work Plan has been reviewed and approved. In accordance with the approved ACQAP, a status report of the project should be provided on a weekly basis via e-mail. If any quality assurance problems arise, you must contact me within 24 hours via phone or e-mail. In addition, a discussion of the problem(s) encountered, including quality assurance problems, the actions taken, and the results must be included in the final report submitted to the UST Management Division.

MECI will perform services at the site on behalf of the site's responsible party (RP); however, payment will be made from the SUPERB Account. The site's RP has no obligation for payment for this scope of work. Please coordinate access to the facility with the property owner. The Agency 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. A copy of the disposal manifest and/or acceptance letter from the receiving facility that clearly designates the quantity received must be included with the final report. The SUPERB Account will not reimburse for transportation or treatment of soil and/or groundwater with concentrations below RBSLs.

Please note, sampling should be conducted within 15 calendar days from the date of this letter. The final report is due within 3 weeks from the date the site is sampled. If the site is not sampled by the specified due date or the report is not received in the specified time period, a late fee may be imposed. The final report should contain the requirements of Section III.2.15 of the bid solicitation. The final report should be submitted to John Bryant, the contract manager.

If you have any site-specific questions, please contact me at (803) 898-0610 or via e-mail at ridglect@dhec.sc.gov. If you have any contract specific questions, please contact John Bryant at (803) 898-0606 or via e-mail at bryantjc@dhec.sc.gov.

Sincerely,

Cathleen Ridgley, Hydrogeologist
Corrective Action Section
UST Management Division
Bureau of Land & Waste Management

enc: Approved Cost Agreement (both CAs)

cc: John Bryant, Corrective Action Section, UST Management Division (w/o encs.)
Angela Baioni, Pace Analytical Services, 9800 Kincey Ave, Ste 100, Huntersville, NC, 28078 (w/ approved CA)
Technical Files (w/ encs.)

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

UNDERGROUND STORAGE TANK PROGRAM
BUREAU OF LAND AND WASTE MANAGEMENT
2600 Bull Street, Columbia, South Carolina 2920
Telephone: 803-896-6240

MEMORANDUM

TO: Midlands Environmental Consultants, Inc

FROM: Cathleen Ridgley

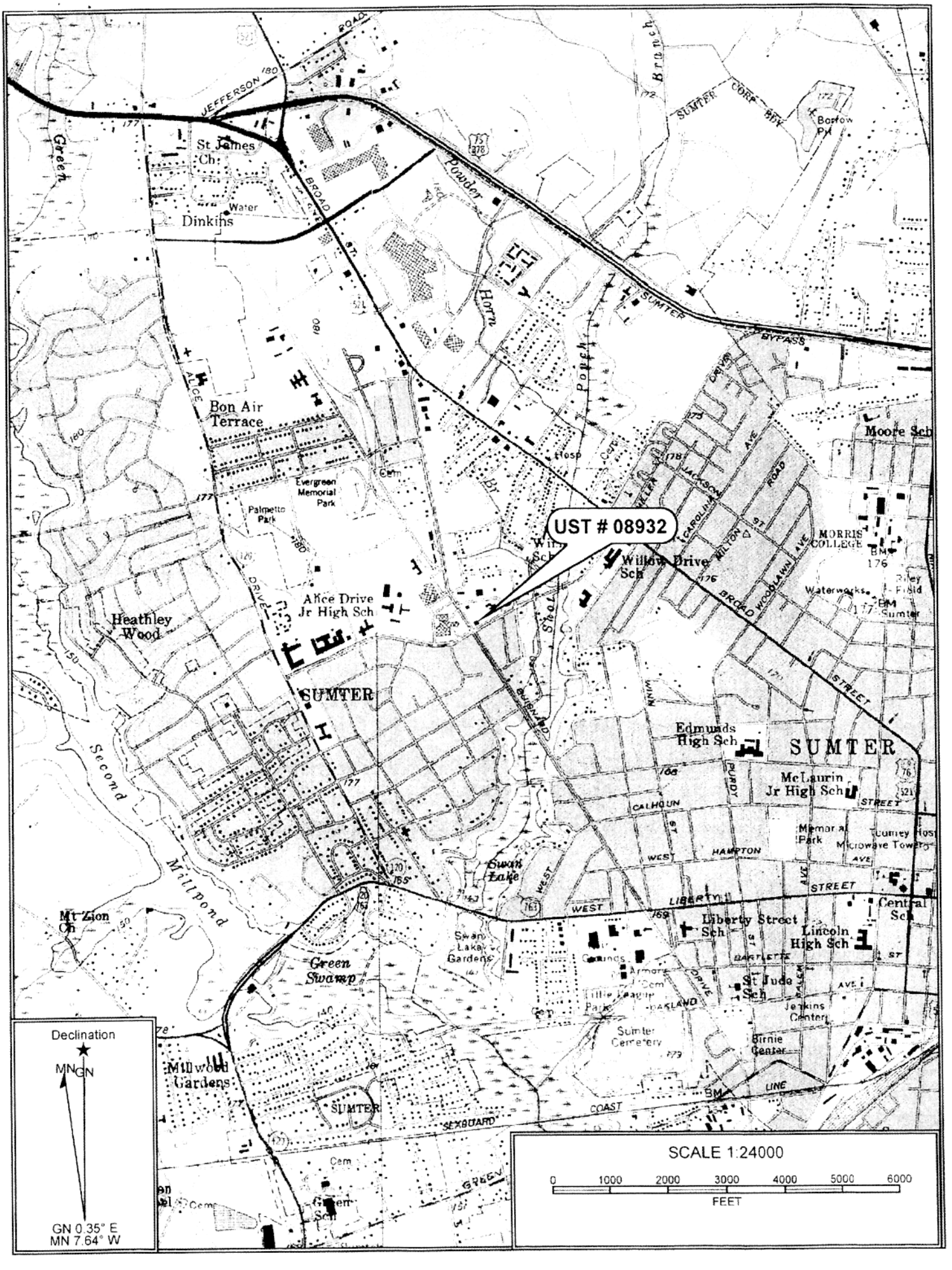
RE: **Notice to Proceed**

Facility Name: H Q Heath Self Serv 2

Permit Number: 08932

County: Sumter

Work To Be Completed: Sample all wells for BTEX, naphthalene, MtBE, the oxygenates, 1,2-DCA, and EDB. All wells must be purged prior to sampling. There should be 33 wells to sample unless some are missing due to construction.


UST # 08932
SUMTER
St James Ch
Dinkins
Water
Bon Air Terrace
Evergreen Memorial Park
Palmetto Park
Alice Drive Jr High Sch
Heathley Wood
Second Millpond
Mt Zion Ch
Green Swamp
Millwood Gardens
Swan Lake
Swan Lake Gardens
Edmunds High Sch
McLaurin Jr High Sch
Liberty Street Sch
Lincoln High Sch
Central Sch
St Jude Sch
Willow Drive Sch
Moore Sch
MORRIS COLLEGE
Waterworks
Memorial Park
Lumley Hospital
Microwave Tower
Sumter Cemetery
Jenkins Center
Birnie Center
Green Sch
Powder Horn Branch
Sumter Corp Bdy
Sumter Bypass
Jefferson Road
Broad St
Alice Drive
Liberty Street
Calhoun St
West Hampton Ave
Oakland Drive
Bartlette St
Jackson St
Wilton Dr
Carolina Ave
Woodlawn Ave
Main St
Queen Rd
Burdy St
Coast Line
Seaboard
Declination
MN GN
GN 0.35° E
MN 7.64° W
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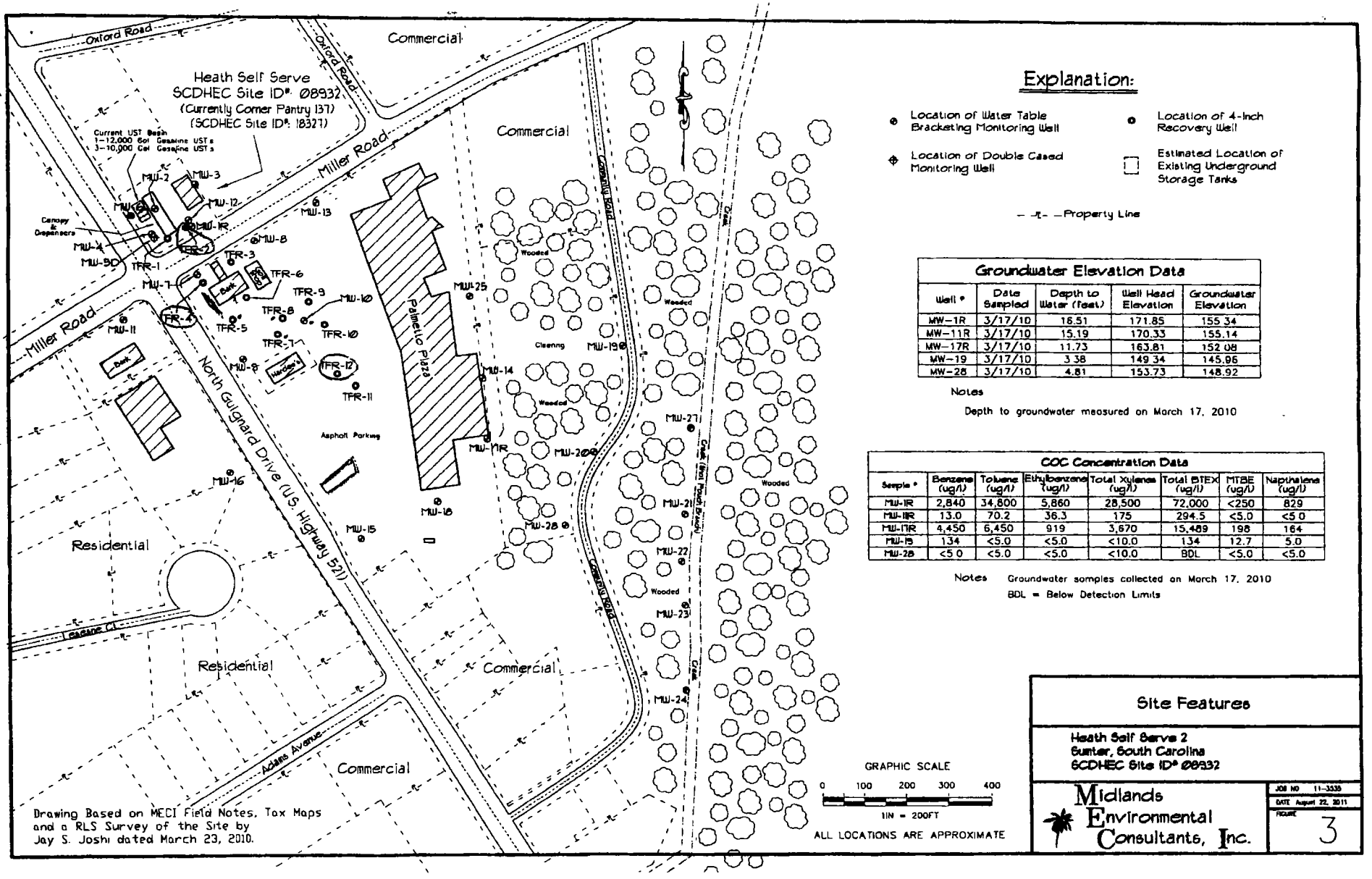
FEET



Explanation:

- Location of Water Table Bracketing Monitoring Well
- Location of 4-Inch Recovery Well
- Location of Double Cased Monitoring Well
- Estimated Location of Existing Underground Storage Tanks
- — ft — Property Line

Groundwater Elevation Data

Well #	Date Sampled	Depth to Water (feet)	Well Head Elevation	Groundwater Elevation
MW-1R	3/17/10	16.51	171.85	155.34
MW-11R	3/17/10	15.19	170.33	155.14
MW-17R	3/17/10	11.73	163.81	152.08
MW-19	3/17/10	3.38	149.34	145.96
MW-28	3/17/10	4.81	153.73	148.92

Notes

Depth to groundwater measured on March 17, 2010

COC Concentration Data

Sample #	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Total Xylenes (ug/l)	Total BTEX (ug/l)	MTBE (ug/l)	Naphthalene (ug/l)
MW-1R	2,840	34,800	5,860	28,500	72,000	<250	829
MW-11R	13.0	70.2	36.3	175	294.5	<5.0	<5.0
MW-17R	4,450	6,450	919	3,670	15,489	198	164
MW-19	134	<5.0	<5.0	<10.0	134	12.7	5.0
MW-28	<5.0	<5.0	<5.0	<10.0	BDL	<5.0	<5.0

Notes Groundwater samples collected on March 17, 2010

BDL = Below Detection Limits

Site Features

Heath Self Serve 2
Sumter, South Carolina
SCDHEC Site ID# 08932

Midlands Environmental Consultants, Inc.

JOB NO 11-3535
DATE August 22, 2011
FIGURE 3

D H E C

PROMOTE PROTECT PROSPER

C Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

RECEIVED

APR 22 2004

UNDERGROUND STORAGE TANK PROGRAM

PERMISSION FORM

UNDERGROUND STORAGE TANK OWNER

UST Permit #08932

If you are the owner of the former or existing underground storage tanks or are designated as their authorized representative, but do not own the property, please complete this form.

I, Doug Leonard certify that I am the legal owner of the underground storage tank(s) located at the facility identified below or serve as the authorized representative for the UST owner. I grant permission to the South Carolina Department of Health and Environmental Control (SCDHEC) to secure on my behalf services of a contractor to conduct assessment and corrective action activities, as required. The contractor will be designated as my contractor for only the required environmental site rehabilitation activities. Compensation to the contractor will be from the SUPERB Account and I will have no obligation to pay the contractor. I understand that SCDHEC will be responsible for obtaining right-of-entry from the property owner and notifying me of all activities that are necessary prior to their initiation and will promptly provide to me a copy of each environmental report. I understand that I may choose to select my own contractor at the completion of any phase of work by notifying the Division of Underground Storage Tank Management in writing.

Name of Facility HQ Heath Self Serve #2 Phone # 803-773-7246

Street Address of Facility 501 N. Guignard Drive

Town, City, District, Suburb Sumter

Name of nearest intersecting street, road, highway, alley Miller Road

Is this facility within the city limits? (yes or no) Yes

Does a public water or sewer utility service this facility? (yes or no) Yes, if no, please provide the name and phone number of a person that we can contact that can assist in the location of private water and septic tank lines _____, phone number _____

Were underground storage tanks previously removed from the ground at this facility? (yes or no) Yes If yes, please provide the name of a person we can contact that can assist in the location of the former underground storage tank excavation Doug Leonard Phone number 704-551-4023

Is the property currently leased or rented to someone? (yes or no) _____. If yes, please provide their name _____ and phone number _____ and let them know about the pending assessment activities. If vehicles or other mobile structures are parked over the former or existing underground storage tanks, they should be moved before SCDHEC's contractor gets to the site.

NAME of UST owner (Please Print): Heath Oil Company

Phone Number (home) 704-904-0184 (work) 704-557-4023

Signature of UST Owner: Doug Leonard

Witness: Angela B. Pulley

Date: 4th April Month 19 Day 2004 Year

DLT

D H E C

PROMOTE PROTECT PROSPER

C Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment

RIGHT-OF-ENTRY FORM

PROPERTY OWNER
UST Permit #08932

If you are the Property Owner or are the authorized representative for that person, but did not own the former or existing underground storage tanks at the time the release was reported, please complete this form.

I, Ida B. Sutton, certify that I am the legal owner of the property identified below or serve as the authorized representative for the property owner. I authorize the South Carolina Department of Health and Environmental Control (SCDHEC), or a contractor selected by SCDHEC, to enter this property at reasonable times only to conduct assessment and corrective action activities, as required. The contractor will be designated as the contractor for the UST owner or operator for only the required environmental site rehabilitation activities. Compensation to the contractor will be from the SUPERB Account and I will have no obligation to pay the contractor. I understand that SCDHEC will notify me of all activities that are necessary prior to their initiation and will promptly provide to me a summary of the data upon request.

Name of Facility HQ Heath Self Serve # 2 Phone # 803-773-7246

Street Address of Facility 501 N. Guignard Drive

Town, City, District, Suburb Sumter

Name of nearest intersecting street, road, highway, alley Miller Road

Is this facility within the city limits? (yes or no) Yes

Does a public water or sewer utility service this facility? (yes or no) Yes, if no, please provide the name and phone number of a person that we can contact that can assist in the location of private water and septic tank lines ____, phone number ____

Were underground storage tanks previously removed from the ground at this facility? (yes or no) Yes If yes, please provide the name of a person we can contact that can assist in the location of the former underground storage tank excavation Doug Leonard Phone number 704-551-4023

Is the property currently leased or rented to someone? (yes or no) ____. If yes, please provide their name ____ and phone number ____ and let them know about the pending assessment activities. If vehicles or other mobile structures are parked over the former or existing underground storage tanks, they should be moved before SCDHEC's contractor gets to the site.

NAME of Property owner (Please Print): Mrs. Ida Sutton

Phone Number (home) (803)773-7246 (work) ____

Current Mailing Address: 103 Burns Drive, Sumter, SC 29150

Signature of Property Owner: Ida B. Sutton

Witness: [signature]

Date: April Month 26 Day 2004 Year

DLT

UST Facility Heath Self Service
UST Permit # 08932

MW ID	Screened interval	TOC Elevation	GW Depth	GW elev	FP	B	T	E	X	MtBE	Napth	EDB	1,2 DCA	TAME 128ug/L	TBA 1400ug/L	ETBE 47ug/L	Ethanol 10000ug/L	TAA 240ug/L	TBF	ETBA	DIPE 150ug/L
MW-1R																					
9/2/2010	12 to 22		16 7		NONE	3990	33200	5270	24600	<1250	<1250	26 3	<1250	<2500	<25000	<2500	<50000	<25000	<12500	<25000	<1250
4/21/2011			17 3		NONE	2790	28100	4710	22700	<1250	544	16	<1250	<2500	<25000	<2500	<50000	<25000	<12500	<25000	<1250
8/1/2013			17 3			830	14000	3400	17000	<500	540	3.6	<500	<1000	<10000	<10000	<100000	1600J	<10000	<10000	<1000
MW-2																					
9/2/2010	14 TO 24		16 59		NONE	133	230	344	465	39.3	6.5J	<0 019	<10	<20	<200	<20	<400	<200	<100	<200	<10
4/21/2011			17 22		NONE	183	272	474	588	12 6	10	0.019	<10	<20	<200	<20	<400	<200	<100	<200	<10
8/1/2013			16 61			21	85	120	270	0 47J	4.9J	0 02	<5	<10	<100	<100	<1000	16J	<100	16J	<10
MW-3																					
9/2/2010	14 TO 24		18.32		NONE	<5	<5	<5	3J	<5	<5	<0 019	<5	<10	<100	<10	<200	<100	<50	<100	<5
4/21/2011			19 15		NONE	<5	<5	<5	<10	<5	<5	<0 019	<5	<10	<100	<10	<200	<100	<50	<100	<5
8/1/2013			17.93			4.8J	260	230	2000	<50	160	0 76	<50	<100	<1000	<1000	<10000	160J	<1000	<1000	5.6J
MW-4																					
9/2/2010	14 TO 24		14 33		NONE	665	4280	358	3200	132	45 9	0 5	1 3J	12	<100	<10	<200	172	<50	<100	<5
4/21/2011			16 58		NONE	656	2280	59 2	1320	263	<125	0 12	<125	<250	<2500	<250	<5000	<2500	<1250	<2500	<125
8/1/2013		dry/possibly obstructed																			
MW-5																					
9/2/2010	40 TO 45		16.65		NONE	<5	4J	<5	7 1J	29	4 8J	< 020	<5	<10	<100	<10	<200	<100	<50	<100	<5
4/21/2011			17 08		NONE	<5	<5	<5	<10	33 9	<5	<0 019	<5	<10	<100	<10	<200	<100	<50	<100	<5
8/1/2013			16.95			0 31J	<5	<5	<5	16	<5	0.019	<5	<10	<100	<100	<1000	<100	<100	<100	<10
MW-6																					
9/2/2010	12 TO 22		15.74		NONE	<5	<5	2 6J	3 1J	<5	<5	<0.019	<5	<10	<100	<10	<200	<100	<50	<100	<5
4/21/2011			16.4		NONE	<5	<5	<5	<10	<5	<5	<0 019	<5	<10	<100	<10	<200	<100	<50	<100	<5
8/1/2013			16 87			20	3J	11	52	<5	<5	0.019	<5	<10	<100	<100	<1000	36J	<100	<100	<10
MW-7																					
9/2/2010	12 TO 22		16 57		NONE	13900	40500	4790	30800	2720	<2500	253	<2500	<5000	<50000	<5000	<100000	<50000	<25000	<50000	<2500
4/21/2011			17 1		SHEEN	11100	29300	2730	25800	2840	769	151	<1250	<2500	<25000	<2500	<50000	<25000	<12500	<25000	<1250
8/1/2013			16.68			10000	52000	5000	31000	310J	1800J	120	<2500	<5000	<50000	<50000	<500000	7300J	<50000	<50000	<5000
MW-8																					
9/2/2010	13 TO 23		17 45		NONE	1090	6930	749	6820	<100	369	8 8	<100	<200	<2000	<200	<4000	<2000	<1000	<2000	<100
4/21/2011			17 95		NONE	1660	7480	665	7550	<250	391	21 5	<250	<500	<5000	<500	<10000	<5000	<2500	<5000	<250
8/1/2013			17 55			13000	4200	840	8900	<250	180	16	<250	<500	<5000	<5000	<50000	2600J	<5000	<5000	<500
MW-9																					
9/2/2010	13 TO 23		16 35		NONE	14500	29500	1630	21200	<1000	1150	612	412J	<2000	<20000	<2000	<40000	44900	<10000	<20000	<1000
4/21/2011			16.8		NONE	11700	30000	1590	17600	<1250	741	510	<1250	<2500	<25000	<2500	<50000	41300	<12500	<25000	<1250
8/1/2013		abandoned																			
MW-10																					
9/2/2010	13 TO 23	FREE PRODUCT			.01'																
4/21/2011			16.74		NONE	11100	24000	2740	16500	<250	635	322	299	<500	<5000	<500	<10000	18300	<2500	<5000	<250
8/1/2013		abandoned																			
MW-11R																					
9/2/2010	12 TO 22		15 59		NONE	6 7	17.9	12.6	107	<5	<5	<0.019	<5	<10	<100	<10	<200	569	<50	<100	<5
4/21/2011			16 11		NONE	4	7 7	2	83	5	5	0 019	5	<10	<100	<10	<200	1040	<50	<100	<5
8/1/2013			15.54			3 7J	<5	2.4J	9.5	<5	<5	0.19	<5	<10	<100	<100	<1000	77J	<100	<100	<10
MW-12																					
9/2/2010	10 TO 20		17 13		NONE	2960	23200	3180	21700	<100	646	2 6	<100	<200	<2000	<200	<4000	<2000	<1000	<2000	<100
4/21/2011			17 73		SHEEN	2490	18600	3630	21000	<1000	628	2 5	<1000	<2000	<20000	<2000	<40000	25300	<10000	<20000	<1000
8/1/2013			17 14			99J	1400	130J	7100	<250	290	0 74	<250	<500	<5000	<5000	<50000	660J	<5000	<5000	<500
MW-13																					
9/2/2010	13 TO 23		17 96		NONE	<5	<5	<5	<10	<5	<5	<0 019	<5	<10	<100	<10	<200	83 2J	<50	<100	<5
4/21/2011			18 37		NONE	<5	<5	<5	<10	<5	<5	<0 019	<5	<10	<100	<10	<200	<100	<50	<100	<5
8/1/2013			17.97			<5	<5	<5	<10	<5	<5	<0 019	<5	<10	<100	<10	<200	<100	<50	<100	<5

UST Facility, Heath Self Service
UST Permit # 08932

MW ID	Screened interval	TOC Elevation	GW Depth	GW elev	FP	B	T	E	X	MtBE	Naphth	EDB	1,2 DCA	TAME 128ug/L	TBA 1400ug/L	ETBE 47ug/L	Ethanol 10000ug/L	TAA 240ug/L	TBF	ETBA	DIPE 150ug/L
MW-14																					
9/2/2010	10 TO 20		12 51		NONE	<5	<5	<5	<10	<5	<5	<0 02	<5	<10	<100	<10	<200	<100	<50	<100	<5
4/21/2011			12.49		NONE	<5	<5	<5	<10	<5	<5	<0 019	<5	<10	<100	<10	<200	<100	<50	<100	<5
8/1/2013			11.81			19	<5	<5	<10	<5	8 7	<0.019	3 5J	<10	31J	<100	<1000	980	<100	<100	<10
MW-15																					
9/2/2010	8 TO 18		11 05		NONE	<5	<5	<5	<10	<5	<5	<0.02	<5	<10	<100	<10	<200	<100	<50	<100	<5
4/21/2011			11 24		NONE	<5	<5	<5	<10	<5	<5	<0.019	<5	<10	<100	<10	<200	<100	<50	<100	<5
8/1/2013			10.53			<5	<5	<5	<10	<5	<5	<0.019	<5	<10	<100	<100	<1000	17J	<100	<100	<10
MW-16																					
9/2/2010	10 TO 20		12 7		NONE	<5	<5	<5	<10	<5	<5	<0 02	<5	<10	<100	<10	<200	<100	<50	<100	<5
4/21/2011			13.13		NONE	<5	<5	<5	<10	<5	<5	<0 019	<5	<10	<100	<10	<200	<100	<50	<100	<5
8/1/2013			12 55			<5	<5	<5	<10	<5	<5	<0.019	<5	<10	<100	<100	<1000	<100	<100	<100	<10
MW-17R																					
9/2/2010	10 TO 20		13.05		NONE	7080	12000	1370	5900	205J	450	0 22	301	<500	<5000	<500	<10000	9130	<2500	<5000	<250
4/21/2011			12 55		NONE	4750	7130	937	3840	<500	<500	0 14	185	<1000	<10000	<1000	<20000	<10000	<5000	<10000	<500
8/1/2013			11 65			4700	6000	890	4400	140J	200J	0.062	210J	18J	<5000	<5000	<50000	3200J	<5000	<5000	<500
MW-18																					
9/2/2010	10 TO 20		4 3		NONE	<5	<5	<5	<10	<5	<5	<0 02	<5	<10	<100	<10	<200	<100	<50	<100	<5
4/21/2011			13 1		NONE	<5	<5	<5	<10	<5	<5	<0 019	<5	<10	<100	<10	<200	<100	<50	<100	<5
8/1/2013			12 2			0 50J	<5	<5	<5	<5	<5	0 02	<5	<10	7 3J	<100	<1000	210	<100	<100	<10
MW-19																					
9/2/2010	13 TO 23		3.11		NONE	224	<5	<5	5J	29.7	9.4	<0.019	4.2J	<10	<100	<10	<200	460	<50	<100	<5
4/21/2011			3 96		NONE	24.6	<5	<5	<10	5 3	<5	0.02	<5	<10	<100	<10	<200	<100	<50	<100	<5
8/1/2013			3.04			120	<5	<5	<5	16	5.9	0 03	7.4	<10	15J	<100	<1000	120	7 4	<100	0 53J
MW-20																					
9/2/2010	3 TO 13		26.35		NONE	54 8	<5	<5	<10	<5	65 4	<0 019	22 6	<10	<100	<10	<200	1680	<50	<100	<5
4/21/2011			NOT LOCATED																		
8/1/2013			**creek flooded; well covered**																		
MW-21																					
9/2/2010	3 TO 8		NOT LOCATED																		
4/21/2011			1.75		NONE	<250	<250	<250	<500	<250	<250	0 02	<250	<500	<5000	<500	<10000	<5000	<2500	<5000	<250
8/1/2013			**creek flooded; well covered**																		
MW-22																					
9/2/2010	3 TO 8		NOT LOCATED																		
4/21/2011			1 65		NONE	<10	<10	<10	<20	<10	<10	0 02	<10	<20	<200	<20	<400	<200	<100	<200	<10
8/1/2013			**creek flooded; well covered**																		
MW-23																					
9/2/2010	13 TO 23		NOT LOCATED																		
4/21/2011			0.6		NONE	<5	<5	<5	<10	<5	<5	0.02	<5	<10	<100	<10	<200	<100	<50	<100	<5
8/1/2013			**creek flooded; well covered**																		
MW-24																					
9/2/2010	13 TO 23		NOT LOCATED																		
4/21/2011			NOT LOCATED																		
8/1/2013			**creek flooded; well covered**																		
MW-25																					
9/2/2010	6 TO 16		9.8		NONE	<5	<5	<5	<10	<5	<5	<0 019	<5	<10	<100	<10	<200	637J	<50	<100	<5
4/21/2011			9 85		NONE	<5	<5	<5	<10	<5	<5	0 02	<5	<10	<100	<10	<200	<100	<50	<100	<5
8/1/2013			9 16			<5	<5	<5	<5	<5	<5	0.02	<5	<10	<100	<100	<1000	<100	<100	<100	<10
MW-26																					
9/2/2010	5 TO 15		NOT LOCATED																		
4/21/2011			NOT LOCATED																		
8/1/2013			**NOT LOCATED**																		
MW-27																					
9/2/2010	6 TO 16		NOT LOCATED																		
4/21/2011			3		NONE	<5	<5	<5	<10	<5	<5	0.02	<5	<10	<100	<10	<200	<100	<50	<100	<5
8/1/2013			**creek flooded; well covered**																		
MW-28																					
9/2/2010	2 TO 12		5 65		NONE	<5	<5	<5	<10	<5	<5	<0 019	<5	<10	<100	<10	<200	637J	<50	<100	<5
4/21/2011			5 31		NONE	<5	<5	<5	<10	<5	<5	0 02	<5	<10	<100	<10	<200	<100	<50	<100	<5
8/1/2013			1.51			<5	<5	<5	<10	<5	<5	0 02	<5	<10	<100	<10	<200	14J	<50	<100	<5

UST Facility. Heath Self Service
UST Permit # 08932

MW ID	Screened interval	TOC Elevation	GW Depth	GW elev	FP	B	T	E	X	MtBE	Napth	EDB	1,2 DCA	TAME 128ug/L	TBA 1400ug/L	ETBE 47ug/L	Ethanol 10000ug/L	TAA 240ug/L	TBF	ETBA	DIPE 150ug/L
TFR1																					
9/2/2010	TD 25'		16.31		NONE			GAUGED ONLY													
4/21/2011			16 95		NONE																
8/1/2013			17 31			2200J	35000	3200	19000	220J	1400J	78	<2500	<5000	<50000	<5000	<50000	<50000	<50000	<50000	<5000
TFR2																					
9/2/2010	TD 25'		16 8		NONE			GAUGED ONLY													
4/21/2011			17 61		NONE																
8/1/2013			17 1			3100	18000	440J	24000	<1000	670J	11	<1000	<2000	<2000	<2000	20000	2800J	<20000	<20000	<2000
TFR3																					
9/2/2010	TD 25'		FREE PRODUCT		GAUGED ONLY			**0.09'**													
4/21/2011			17 33		NONE																
8/1/2013			16 92			7900	23000	820J	<20000	<1000	790J	110	<1000	<2000	<2000	<2000	20000	3600J	<20000	<20000	<2000
TFR4																					
9/2/2010	TD 17'		FREE PRODUCT		**0.05'**			GAUGED ONLY													
4/21/2011					**0.24'**																
8/1/2013			16.87			5700	39000	5200	39000	**110J**	940J	85	130J	<2000	<20000	<2000	<20000	<20000	<20000	<20000	<2000
TFR5																					
9/2/2010	TD25'		0 3		NONE			GAUGED ONLY													
4/21/2011			0		NONE																
8/1/2013			**abandoned**																		
TFR6																					
9/2/2010	TD25'		16 65		NONE			GAUGED ONLY													
4/21/2011			17 14		NONE																
8/1/2013			16.8							11000	1600J	150	<2500	<5000	<50000	<5000	<50000	11000J	<50000	<50000	<5000
TFR7																					
9/2/2010	TD25'		FREE PRODUCT		**0.02'**			GAUGED ONLY													
4/21/2011					**1.42'**																
8/1/2013			**abandoned**																		
TFR8																					
9/2/2010	TD25'		16 65		NONE			GAUGED ONLY													
4/21/2011			17 09		NONE																
8/1/2013			**abandoned**																		
TFR9																					
9/2/2010	TD 25'		15 84		NONE			GAUGED ONLY													
4/21/2011			16 22		NONE																
8/1/2013			16.1			2600	5400	550	3600	<250	170J	35	170J	99J	<5000	<5000	<50000	3100J	<5000	<5000	<500
TFR10																					
9/2/2010	TD18'		15 19		NONE			GAUGED ONLY													
4/21/2011			15 56		NONE																
8/1/2013			16.08			15000	32000	2100	12000	<1000	<1000	67	990J	<2000	<20000	<2000	<20000	16000J	<20000	<20000	<2000
TFR11																					
9/2/2010	TD26'		15 28		NONE			GAUGED ONLY													
4/21/2011			15 59		NONE																
8/1/2013			15.33			22000	50000	3100	18000	1500J	1500J	400	1200J	210J	<50000	<5000	<50000	26000J	<50000	<50000	<5000
TFR12																					
9/2/2010	TD20'		FREE PRODUCT		**0.91'**			GAUGED ONLY													
4/21/2011			15 8		NONE																
8/1/2013			15.59		**0.03'**																

Approved Cost Agreement 49021

Facility: 08932 H Q HEATH SELF SERV 2

RIDGLECT

PO Number:

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
04 MOB/DEMOB						
		B1	PERSONNEL	1.0000	350 00	350.00
10 SAMPLE COLLECTION						
		A1	GROUNDWATER (PURGE)	34 0000	16.00	544.00
		D1	GROUNDWATER NO PURGE/DUPLICATE	2 0000	8.00	16 00
		H1	FIELD BLANK	1 0000	10 00	10 00
17 DISPOSAL						
		AA	WASTEWATER	400.0000	1.00	400.00
18 MISCELLANEOUS						
			SITE RECONNAISSANCE	1 0000	0.00	0 00
			SITE SPECIFIC WORK PLAN	1.0000	0 00	0 00
				Total Amount		1,320 00

Approved Cost Agreement 49020

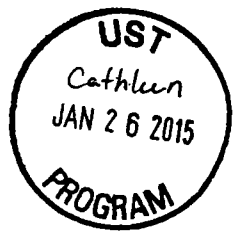
Facility. 08932 H Q HEATH SELF SERV 2

RIDGLECT

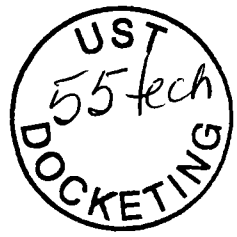
PO Number

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
11 ANALYSES						
	GW GROUNDWATER	A2	BTEXNM+OXYGS+1,2-DCA+ETH-8260B	38 0000	19 00	722 00
		F1	EDB BY 8011	37.0000	18 00	666.00
				Total Amount		1,388.00

Midlands
Environmental
Consultants, Inc.



January 22, 2015



Mr. John Bryant, Hydrogeologist
Corrective Action Section
Underground Storage Tank Program
Bureau of Land and Waste Management
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Subject: Report of Groundwater Sampling
H Q Heath Self Serve 2
501 N Guignard Drive
Sumter, South Carolina
SCDHEC Site ID Number 08932; CA # 49021
MECI Project Number 14-5017
Certified Site Rehabilitation Contractor UCC-0009

Dear Mr. Bryant,

Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Report of Groundwater Sampling for the referenced site. This report describes site activities conducted at the site in general accordance with South Carolina Department of Health and Environmental Control's (SCDHEC) Quality Assurance Program Plan for the Underground Storage Tank Management Division (QAPP).

PROJECT INFORMATION

The subject site (Heath Self Serve) is located at 501 North Guignard Drive, Sumter, South Carolina. The subject site previously maintained one 550 gallon waste oil underground storage tank (UST), one 1,000 gallon UST of unknown product, one 3,000 gallon multiple hydrocarbons UST, six 3,000 gallon gasoline UST's, one 6,000 gasoline UST, and one 10,000 gallon gasoline UST. The South Carolina Department of Health and Environmental Control (SCDHEC) reported two releases of petroleum product from the subject site. The first release was reported in July of 1996 and confirmed in August of 1996. The second release was reported and confirmed in October of 1999. The second release was issued a "Conditional No Further Action" (CFNA) in December of 1999.

The above information is based on reports and correspondence obtained from MECI field notes and SCDHEC files.

MONITORING WELL SAMPLING AND CHEMICAL ANALYSIS

On January 20, 2015, MECI personnel collected twenty-three (23) monitoring well samples. Monitoring wells MW-20, MW-21, MW-22, MW-23, MW-24, and MW-27 were not sampled due to

construction in the area. Monitoring wells MW-9, MW-10, TFR-5, TFR-7, and TFR-8 were previously abandoned due to construction. Monitoring well TFR-6 was gauged and determined to contain free phase petroleum product at a thickness of 0.02 feet. Monitoring wells MW-4 and MW-6 were gauged and determined to be dry at the time of sampling. Monitoring well MW-26 was not sampled because it was historically not located, therefore not on the map. TRF-9 and TRF-11 were not located as well. MECI personnel utilized an electronic water level indicator for water level measurements and an oil/water interface probe for free phase petroleum product level measurements. Based on a request by SCDHEC personnel, all of the wells were to be purged prior to sampling. Twenty-three (23) monitoring wells were purged prior to being sampled. Purging was completed by bailing at least five well volumes of water from the well, until pH, conductivity, dissolved oxygen stabilized to within 10%, or all water was evacuated from the well, whichever occurred first. Sampling/purging was completed utilizing a prepackaged, clear, disposable polyethylene bailer and nylon rope. A new set of nitrile gloves were worn at each monitoring well, and at all time samples were handled. Field measurements of pH, conductivity, dissolved oxygen, water temperature, and turbidity were obtained before well sampling process. MECI utilized YSI550A meter for DO (mg/L) and temperature readings (°C), YSI63 meters for pH and conductivity (uS) readings and a MicroTPI/TPW turbidimeter for turbidity readings (NTU). The attached Field Data Information Sheets presents the results of the field measurements obtained. The wells were sampled in accordance with SCDHEC's Quality Assurance Program Plan for the Underground Storage Tank Management Division (QAPP Revision 2.0) and MECI's Standard Operating Procedures (MECI SOP, Dates January 2014).

Groundwater samples obtained were sent to Pace Analytical Services, Inc. of Huntersville, NC (SCDHEC Laboratory Certification #99006001) for analysis.

The following sampling matrix contains well development and requested analyses for each well:

Monitoring Well	Purge	No Purge	Gauge Only	Not Sampled	Abandoned	BTEX, Naphthalene, MTBE (EPA Method 8260-B)	EDB (EPA Method 8011)	1,2 DCA (EPA Method 8260-B)	8 Oxygenates (EPA Method 8260-B)	Total Lead (EPA Method 6010)	Sulfate (EPA Method 375.2)	Nitrate (EPA Method 335.2)	Methane (RSK Method)	PAH's (EPA Method 8270)	Ferrous Iron (Field Test)
						Analyte Sampled									
MW-1R	X					X	X	X	X						
MW-2	X					X	X	X	X						
MW-3	X					X	X	X	X						
MW-4			X												
MW-5D	X					X	X	X	X						
MW-6			X												
MW-7	X					X	X	X	X						
MW-8	X					X	X	X	X						
MW-9					X										
MW-10					X										
MW-11R	X					X	X	X	X						
MW-12	X					X	X	X	X						

Notes: BTEX = benzene, toluene, ethylbenzene, & total xylenes MTBE=methyl tertiary butyl ether 1,2 DCA = 1,2 dicloroethane
PAH = polycyclic aromatic hydrocarbons
Trip Blank provided by Pace Analytical Services, temperature obtained upon receipt at Laboratory

Monitoring Well	Purge	No Purge	Gauge Only	Not Located	Abandoned	BTEX, Naphthalene, MTBE (EPA Method 8260-B)	EDB (EPA Method 8011)	1,2 DCA (EPA Method 8260-B)	8 Oxygenates (EPA Method 8260-B)	Total Lead (EPA Method 6010)	Sulfate (EPA Method 375.2)	Nitrate (EPA Method 335.2)	Methane (RSK Method)	PAH's (EPA Method 8270)	Ferrous Iron (Field Test)
						Analyte Sampled									
MW-13	X					X	X	X	X						
MW-14	X					X	X	X	X						
MW-15	X					X	X	X	X						
MW-16	X					X	X	X	X						
MW-17R	X					X	X	X	X						
MW-18	X					X	X	X	X						
MW-19	X					X	X	X	X						
MW-20				X											
MW-21				X											
MW-22				X											
MW-23				X											
MW-24				X											
MW-25	X					X	X	X	X						
MW-26				X											
MW-27				X											
MW-28	X					X	X	X	X						
TFR-1	X					X	X	X	X						
TFR-2	X					X	X	X	X						
TFR-3	X					X	X	X	X						
TFR-4	X					X	X	X	X						
TFR-5					X										
TFR-6			X												
TFR-7					X										
TFR-8					X										
TFR-9				X											
TFR-10	X					X	X	X	X						
TFR-11				X											
TFR-12	X					X	X	X	X						
MW-1R Duplicate						X	X	X	X						
MW-7 Duplicate						X	X	X	X						
Field Blank						X	X	X	X						
Trip Blank						X		X	X						

Notes: BTEX = benzene, toluene, ethylbenzene, & total xylenes MTBE=methyl tertiary butyl ether 1,2 DCA = 1,2 dicloroethane
PAH = polycyclic aromatic hydrocarbons
Trip Blank provided by Pace Analytical Services, temperature obtained upon receipt at Laboratory

Purge water produced by the purging process was treated on-site utilizing a granular activated carbon unit. A total of 142.75 gallons of purge water was disposed of in this manner. A disposal manifest for the referenced purge water is attached at the end of this report.

Please feel free to contact us at 803-808-2043 if you have any immediate questions or comments.

Sincerely,
Midlands Environmental Consultants, Inc.

Frank M. Mullin
Staff Hydrogeologist

Jeff L. Coleman
Senior Scientist

Attachments:

Contractor Checklist

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? See MECI SOP	X		
21	Have the groundwater sampling dates and groundwater measurements been provided? See attached Site Activity Summary Sheet	X		
22	Has the purging methodology been detailed? See MECI SOP	X		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete? See attached Field Data Information Sheets	X		
24	If free-product is present, has the thickness been provided? See attached Site Activity Summary Sheets	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

Item#	Item	Yes	No	N/A
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
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? See attached	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		

Site Activity Summary

UST Permit #: 08932
Facility Name: HQ Heath Self Serve 2
County: Sumter
Field Personnel: T. Elder, T. Abbott, P. Wylie

Midlands Environmental Consultants, Inc.

Sample ID	Sampled?	Date	Time	Screened Interval	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DO (mg/l)	# Gals. Purged	Comments
MW-1R	Y	1/20/15	14:27	12-22	***	17.91	***	Sheen	3.50	Odor; Sheen
MW-2	Y	1/20/15	14:25	14-24	***	17.73	***	0.70	4.00	Odor
MW-3	Y	1/20/15	15:11	14-24	***	19.55	***	1.01	0.75	No Odor
MW-4	N	***	***	14-24	***	***	***	***	***	Dry; Possibly Obstructed; TD: 19.91
MW-5D	Y	1/20/15	15:16	40-45	***	17.48	***	0.86	22.50	No Odor
MW-6	N	***	***	12-22	***	***	***	***	***	Dry; Possibly Obstructed; TD: 18.20
MW-7	Y	1/20/15	13:35	12-22	***	15.52	***	Sheen	5.50	Odor; Sheen
MW-8	Y	1/20/15	12:45	13-23	***	18.64	***	Sheen	3.50	Odor; Sheen
MW-9	N	***	***	13-23	***	***	***	***	***	Previously Abandoned
MW-10	N	***	***	13-23	***	***	***	***	***	Previously Abandoned
MW-11R	Y	1/20/15	13:54	12-22	***	16.56	***	1.35	3.00	No Odor
MW-12	Y	1/20/15	14:42	10-20	***	18.26	***	Sheen	1.25	Odor; Sheen
MW-13	Y	1/20/15	13:10	13-23	***	19.00	***	1.29	3.25	No Odor
MW-14	Y	1/20/15	10:40	10-20	***	12.63	***	1.75	6.00	No Odor
MW-15	Y	1/20/15	11:15	8-18	***	5.61	***	1.49	5.00	No Odor
									58.25	**TOTAL GALLONS PURGED**

Site Activity Summary

UST Permit #:	08932
Facility Name:	HQ Heath Self Serve 2
County:	Sumter
Field Personnel:	T. Elder, T. Abbott, P. Wylie

Midlands Environmental Consultants, Inc.

Sample ID	Sampled?	Date	Time	Screened Interval	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DO (mg/l)	# Gals. Purged	Comments
MW-16	Y	1/20/15	11:45	10-20	***	13.66	***	1.46	5.25	No Odor
MW-17R	Y	1/20/15	10:48	10-20	***	13.63	***	1.27	5.25	No Odor
MW-18	Y	1/20/15	11:04	10-20	***	13.48	***	0.89	4.25	No Odor
MW-19	Y	1/20/15	10:09	13-23	***	3.51	***	1.53	6.00	No Odor
MW-20	N	***	***	3-13	***	***	***	***	***	Not Located; Due to Construction
MW-21	N	***	***	3-8	***	***	***	***	***	Not Located; Due to Construction
MW-22	N	***	***	3-8	***	***	***	***	***	Not Located; Due to Construction
MW-23	N	***	***	13-25	***	***	***	***	***	Not Located; Due to Construction
MW-24	N	***	***	13-23	***	***	***	***	***	Not Located; Due to Construction
MW-25	Y	1/20/15	10:32	6-16	***	10.33	***	1.59	2.00	No Odor
MW-26	N	***	***	5-15	***	***	***	***	***	Historically Not Located; Not on Map
MW-27	N	***	***	6-16	***	***	***	***	***	Not Located; Due to Construction
MW-28	Y	1/20/15	9:53	2-12	***	2.00	***	2.50	8.25	No Odor; Stick up height 2.28 Feet
TFR-1	Y	1/20/15	14:13	TD: 24.40	***	17.40	***	0.80	2.50	Odor; Sheen; Four Inch Well
TFR-2	Y	1/20/15	14:14	TD: 24.00	***	18.86	***	0.66	3.00	Odor; Sheen; Four Inch Well
									36.50	**TOTAL GALLONS PURGED**

Site Activity Summary

UST Permit #: 08932
Facility Name: HQ Heath Self Serve 2
County: Sumter
Field Personnel: T. Elder, T. Abbott, P. Wylie

Midlands Environmental Consultants, Inc.

Sample ID	Sampled?	Date	Time	Screened Interval	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DO (mg/l)	# Gals. Purged	Comments
TFR-3	Y	1/20/15	13:02	TD: 25.20	***	17.87	***	Sheen	12.00	Odor; Sheen; Four Inch Well
TFR-4	Y	1/20/15	13:40	TD:24.30	***	17.70	***	Sheen	12.25	Odor; Sheen; Four Inch Well
TFR-5	N	***	***	***	***	***	***	***	***	Previously Abandoned
TFR-6	N	1/20/15	***	TD:22.18	16.48	16.50	0.02	***	***	Product Detected
TFR-7	N	***	***	***	***	***	***	***	***	Previously Abandoned
TFR-8	N	***	***	***	***	***	***	***	***	Previously Abandoned
TFR-9	N	***	***	***	***	***	***	***	***	Not Located; Possibly Paved Over
TFR-10	Y	1/20/15	12:40	TD:24.92	***	16.69	***	0.78	10.50	Odor; Sheen; Four Inch Well
TFR-11	N	***	***	***	***	***	***	***	***	Not Located; Possibly Abandoned
TFR-12	Y	1/20/15	12:35	TD:20.00	***	16.00	***	0.83	13.25	Slight Odor
MW-1R Dup	Y	1/20/15	14:28	***	***	***	***	***	***	Duplicate Sample
MW-7 Dup	Y	1/20/15	13:36	***	***	***	***	***	***	Duplicate Sample
Field Blank	Y	1/20/15	15:15	***	***	***	***	***	***	Field Blank
Trip Blank	Y	1/20/15	15:16	***	***	***	***	***	***	Trip Blank
									48.00	**TOTAL GALLONS PURGED**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 1/20/2015

Field Personnel: P. Wylie, T. Elder, T. Abbott

General Weather Conditions: Clear, Sunny

Ambient Air Temperature: 18.8 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302	X	04L 2026AK	X
10K 101895		08B 101895	
07M 100905		04A 0912AI	
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve 2

Site ID#: 08932 **Monitoring Well #** MW-1R

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	17.91			feet
Total Well Depth (TWD)	22			feet
Length of the water column (LWC=TWD-DGW)			4.09	feet
1 casing volume (CV=LWC X C)= ____ X		0.163	0.67	gallons
5 casing volume (5 X CV)=		5	3.33	gallons

Total Volume of Water Purged Before Sampling 3.5 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	14:22	14:23	14:24	14:28	14:26	14:27		
pH (s.u.)	Sheen	Sheen	Sheen	Sheen	Sheen	Sheen		
Specific Conductivity (µmhos/cm)	Sheen	Sheen	Sheen	Sheen	Sheen	Sheen		
Water Temperature (°C)	Sheen	Sheen	Sheen	Sheen	Sheen	Sheen		
Dissolved Oxygen	Sheen	Sheen	Sheen	Sheen	Sheen	Sheen		
Turbidity (NTU)	Sheen	Sheen	Sheen	Sheen	Sheen	Sheen		
PID readings, if required								

Remarks: Sample Time: 14:27 **Duplicated Sample**

Sheen = Noticable Petroleum Sheen Observed on Sample

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 1/20/2015

Field Personnel: P. Wylie, T. Elder, T. Abbott

General Weather Conditions: Clear, Sunny

Ambient Air Temperature: 18.8 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302	X	04L 2026AK	X
10K 101895		08B 101895	
07M 100905		04A 0912AI	
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve 2

Site ID#: 08932 **Monitoring Well #** MW-2

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	17.73			feet
Total Well Depth (TWD)	24			feet
Length of the water column (LWC=TWD-DGW)			6.27	feet
1 casing volume (CV=LWC X C)=	____ X	0.163	1.02	gallons
5 casing volume (5 X CV)=		5	5.11	gallons

Total Volume of Water Purged Before Sampling 4 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	14:21	14:22	14:23	14:24	14:25			
pH (s.u.)	6.28	6.30	6.31	6.33	6.32			
Specific Conductivity (µmhos/cm)	88.5	80.3	64.7	61.0	59.2			
Water Temperature (°C)	21.5	21.6	21.8	21.7	21.9			
Dissolved Oxygen	0.70	0.72	0.73	0.80	0.85			
Turbidity (NTU)	58.20	62.41	107.6	190.4	214.6			
PID readings, if required								

Remarks: Sample Time: 14:25 **Dry at 4.0 Gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 1/20/2015

Field Personnel: P. Wylie, T. Elder, T. Abbott

General Weather Conditions: Clear, Sunny

Ambient Air Temperature: 18.8 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302	X	04L 2026AK	X
10K 101895		08B 101895	
07M 100905		04A 0912AI	
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve 2

Site ID#: 08932 **Monitoring Well #** MW-3

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	19.55			feet
Total Well Depth (TWD)	24			feet
Length of the water column (LWC=TWD-DGW)			4.45	feet
1 casing volume (CV=LWC X C)= ____ X		0.163	0.73	gallons
5 casing volume (5 X CV)=		5	3.63	gallons

Total Volume of Water Purged Before Sampling 0.75 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	15:10	15:11						
pH (s.u.)	6.56	6.53						
Specific Conductivity (µmhos/cm)	42.3	58.1						
Water Temperature (°C)	19.6	19.5						
Dissolved Oxygen	1.01	1.08						
Turbidity (NTU)	71.10	84.36						
PID readings, if required								

Remarks: Sample Time: 15:11 **Dry at 0.75 Gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 1/20/2015

Field Personnel: P. Wylie, T. Elder, T. Abbott

General Weather Conditions: Clear, Sunny

Ambient Air Temperature: 18.8 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302	X	04L 2026AK	X
10K 101895		08B 101895	
07M 100905		04A 0912AI	
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve 2

Site ID#: 08932 **Monitoring Well #** MW-5D

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	19.55			feet
Total Well Depth (TWD)	24			feet
Length of the water column (LWC=TWD-DGW)			4.45	feet
1 casing volume (CV=LWC X C)= ____ X		0.163	0.73	gallons
5 casing volume (5 X CV)=		5	3.63	gallons

Total Volume of Water Purged Before Sampling 0.75 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	14:53	14:57	15:02	15:06	15:11	15:16		
pH (s.u.)	6.65	6.61	6.57	6.52	6.49	6.49		
Specific Conductivity (µmhos/cm)	35.2	35.9	36.3	36.8	37.2	37.2		
Water Temperature (°C)	21.6	21.6	21.7	21.8	21.9	21.9		
Dissolved Oxygen	0.86	0.84	0.83	0.80	0.79	0.79		
Turbidity (NTU)	52.10	60.09	72.13	81.30	92.63	97.61		
PID readings, if required								

Remarks: Sample Time: 15:16

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 1/20/2015

Field Personnel: P. Wylie, T. Elder, T. Abbott

General Weather Conditions: Clear, Sunny

Ambient Air Temperature: 18.8 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302	X	04L 2026AK	X
10K 101895		08B 101895	
07M 100905		04A 0912AI	
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve 2

Site ID#: 08932 **Monitoring Well #** MW-7

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	15.52			feet
Total Well Depth (TWD)	22			feet
Length of the water column (LWC=TWD-DGW)			6.48	feet
1 casing volume (CV=LWC X C)=	____ X	0.163	1.06	gallons
5 casing volume (5 X CV)=		5	5.28	gallons

Total Volume of Water Purged Before Sampling 5.5 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	13:30	13:31	13:32	13:33	13:34	13:35		
pH (s.u.)	Sheen	Sheen	Sheen	Sheen	Sheen	Sheen		
Specific Conductivity (µmhos/cm)	Sheen	Sheen	Sheen	Sheen	Sheen	Sheen		
Water Temperature (°C)	Sheen	Sheen	Sheen	Sheen	Sheen	Sheen		
Dissolved Oxygen	Sheen	Sheen	Sheen	Sheen	Sheen	Sheen		
Turbidity (NTU)	Sheen	Sheen	Sheen	Sheen	Sheen	Sheen		
PID readings, if required								

Remarks: Sample Time: 13:35 **Duplicated Sample**

Sheen = Noticable Petroleum Sheen Observed on Sample

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 1/20/2015

Field Personnel: P. Wylie, T. Elder, T. Abbott

General Weather Conditions: Clear, Sunny

Ambient Air Temperature: 18.8 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302	X	04L 2026AK	X
10K 101895		08B 101895	
07M 100905		04A 0912AI	
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve 2

Site ID#: 08932 **Monitoring Well #** MW-8

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	18.64			feet
Total Well Depth (TWD)	23			feet
Length of the water column (LWC=TWD-DGW)			4.36	feet
1 casing volume (CV=LWC X C)= _____ X		0.163	0.71	gallons
5 casing volume (5 X CV)=		5	3.55	gallons

Total Volume of Water Purged Before Sampling 3.5 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	12:40	12:41	12:42	12:43	12:44	12:45		
pH (s.u.)	Sheen	Sheen	Sheen	Sheen	Sheen	Sheen		
Specific Conductivity (µmhos/cm)	Sheen	Sheen	Sheen	Sheen	Sheen	Sheen		
Water Temperature (°C)	Sheen	Sheen	Sheen	Sheen	Sheen	Sheen		
Dissolved Oxygen	Sheen	Sheen	Sheen	Sheen	Sheen	Sheen		
Turbidity (NTU)	Sheen	Sheen	Sheen	Sheen	Sheen	Sheen		
PID readings, if required								

Remarks: Sample Time: 13:35 **Sheen= Noticable Petroleum Sheen Observed on Sample**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 1/20/2015

Field Personnel: P. Wylie, T. Elder, T. Abbott

General Weather Conditions: Clear, Sunny

Ambient Air Temperature: 18.8 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302	X	04L 2026AK	X
10K 101895		08B 101895	
07M 100905		04A 0912AI	
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve 2

Site ID#: 08932 **Monitoring Well #** MW-11

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	16.56			feet
Total Well Depth (TWD)	22			feet
Length of the water column (LWC=TWD-DGW)			5.44	feet
1 casing volume (CV=LWC X C)=	____ X	0.163	0.89	gallons
5 casing volume (5 X CV)=		5	4.43	gallons

Total Volume of Water Purged Before Sampling 3 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	13:50	13:51	13:52	13:53	13:54			
pH (s.u.)	6.20	6.25	6.27	6.31	6.33			
Specific Conductivity (µmhos/cm)	58.0	58.7	59.3	60.1	61.6			
Water Temperature (°C)	21.4	21.5	21.6	21.6	21.7			
Dissolved Oxygen	1.35	1.30	1.16	1.07	0.93			
Turbidity (NTU)	68.12	83.04	109.2	162.4	180.3			
PID readings, if required								

Remarks: Sample Time: 13:54

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 1/20/2015

Field Personnel: P. Wylie, T. Elder, T. Abbott

General Weather Conditions: Clear, Sunny

Ambient Air Temperature: 18.8 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302	X	04L 2026AK	X
10K 101895		08B 101895	
07M 100905		04A 0912AI	
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve 2

Site ID#: 08932 **Monitoring Well #** MW-12

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	18.26			feet
Total Well Depth (TWD)	20			feet
Length of the water column (LWC=TWD-DGW)			1.74	feet
1 casing volume (CV=LWC X C)= ____ X		0.163	0.28	gallons
5 casing volume (5 X CV)=		5	1.42	gallons

Total Volume of Water Purged Before Sampling 1.25 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	14:41	14:42						
pH (s.u.)	Sheen	Sheen						
Specific Conductivity (µmhos/cm)	Sheen	Sheen						
Water Temperature (°C)	Sheen	Sheen						
Dissolved Oxygen	Sheen	Sheen						
Turbidity (NTU)	Sheen	Sheen						
PID readings, if required								

Remarks: Sample Time: 14:42 **Dry at 1.25 gallons**

Sheen = Noticable Petroleum Sheen Observed on Sample

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 1/20/2015

Field Personnel: P. Wylie, T. Elder, T. Abbott

General Weather Conditions: Clear, Sunny

Ambient Air Temperature: 18.8 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302	X	04L 2026AK	X
10K 101895		08B 101895	
07M 100905		04A 0912AI	
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve 2

Site ID#: 08932 **Monitoring Well #** MW-13

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	19.00			feet
Total Well Depth (TWD)	23			feet
Length of the water column (LWC=TWD-DGW)			4	feet
1 casing volume (CV=LWC X C)= ____ X		0.163	0.65	gallons
5 casing volume (5 X CV)=		5	3.26	gallons

Total Volume of Water Purged Before Sampling 3.25 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	13:05	13:06	13:07	13:08	13:09	13:10		
pH (s.u.)	6.63	6.57	6.61	6.48	6.42	6.39		
Specific Conductivity (µmhos/cm)	53.2	50.1	52.3	51.8	50.0	49.2		
Water Temperature (°C)	22.5	22.5	22.6	22.4	22.5	22.6		
Dissolved Oxygen	1.29	1.31	1.32	1.35	1.36	1.37		
Turbidity (NTU)	83.64	97.11	103.2	120.9	141.6	146.2		
PID readings, if required								

Remarks: Sample Time: 13:10

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 1/20/2015

Field Personnel: P. Wylie, T. Elder, T. Abbott

General Weather Conditions: Clear, Sunny

Ambient Air Temperature: 18.8 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302	X	04L 2026AK	X
10K 101895		08B 101895	
07M 100905		04A 0912AI	
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve 2

Site ID#: 08932 **Monitoring Well #** MW-14

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	12.63			feet
Total Well Depth (TWD)	20			feet
Length of the water column (LWC=TWD-DGW)			7.37	feet
1 casing volume (CV=LWC X C)= ____ X		0.163	1.20	gallons
5 casing volume (5 X CV)=		5	6.01	gallons

Total Volume of Water Purged Before Sampling 6 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	10:35	10:36	10:37	10:38	10:39	10:40		
pH (s.u.)	6.16	6.19	6.26	6.24	6.27	6.26		
Specific Conductivity (µmhos/cm)	59.9	61.2	65.6	60.5	61.7	59.8		
Water Temperature (°C)	19.6	19.5	19.6	19.5	19.4	19.4		
Dissolved Oxygen	1.75	1.76	1.68	1.62	1.60	1.57		
Turbidity (NTU)	40.70	69.36	101.4	198.4	267.3	301.4		
PID readings, if required								

Remarks: Sample Time: 10:40

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 1/20/2015

Field Personnel: P. Wylie, T. Elder, T. Abbott

General Weather Conditions: Clear, Sunny

Ambient Air Temperature: 18.8 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302	X	04L 2026AK	X
10K 101895		08B 101895	
07M 100905		04A 0912AI	
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve 2

Site ID#: 08932 **Monitoring Well #** MW-15

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	5.61			feet
Total Well Depth (TWD)	18			feet
Length of the water column (LWC=TWD-DGW)			12.39	feet
1 casing volume (CV=LWC X C)= ____ X		0.163	2.02	gallons
5 casing volume (5 X CV)=		5	10.10	gallons

Total Volume of Water Purged Before Sampling 5 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	11:10	11:12	11:14	11:15				
pH (s.u.)	6.40	6.37	6.28	6.21				
Specific Conductivity (µmhos/cm)	78.5	74.2	70.0	58.6				
Water Temperature (°C)	22.6	22.8	23.0	23.4				
Dissolved Oxygen	1.49	1.41	1.39	1.32				
Turbidity (NTU)	48.21	68.84	193.3	201.2				
PID readings, if required								

Remarks: Sample Time: 11:15 **Dry at 5.0 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 1/20/2015

Field Personnel: P. Wylie, T. Elder, T. Abbott

General Weather Conditions: Clear, Sunny

Ambient Air Temperature: 18.8 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302	X	04L 2026AK	X
10K 101895		08B 101895	
07M 100905		04A 0912AI	
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve 2

Site ID#: 08932 **Monitoring Well #** MW-16

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	13.66			feet
Total Well Depth (TWD)	20			feet
Length of the water column (LWC=TWD-DGW)			6.34	feet
1 casing volume (CV=LWC X C)=	X	0.163	1.03	gallons
5 casing volume (5 X CV)=		5	5.17	gallons

Total Volume of Water Purged Before Sampling 5.25 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	11;40	11:41	11:42	11:43	11:44	11:45		
pH (s.u.)	6.31	6.34	6.32	6.31	6.3	6.29		
Specific Conductivity (µmhos/cm)	51.1	51.3	70.0	53.8	55.3	54.9		
Water Temperature (°C)	20.8	20.9	23.0	20.7	20.7	20.9		
Dissolved Oxygen	1.46	1.52	1.39	1.57	1.58	1.59		
Turbidity (NTU)	83.73	75.42	193.3	97.62	132.6	173.1		
PID readings, if required								

Remarks: Sample Time: 11:45

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 1/20/2015

Field Personnel: P. Wylie, T. Elder, T. Abbott

General Weather Conditions: Clear, Sunny

Ambient Air Temperature: 18.8 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302	X	04L 2026AK	X
10K 101895		08B 101895	
07M 100905		04A 0912AI	
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve 2

Site ID#: 08932 **Monitoring Well #** MW-17R

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	13.63			feet
Total Well Depth (TWD)	20			feet
Length of the water column (LWC=TWD-DGW)			6.37	feet
1 casing volume (CV=LWC X C)= _____ X		0.163	1.04	gallons
5 casing volume (5 X CV)=		5	5.19	gallons

Total Volume of Water Purged Before Sampling 5.25 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	10:43	10:44	10:45	10:46	10:47	10:48		
pH (s.u.)	6.36	6.38	6.42	6.41	6.40	6.40		
Specific Conductivity (µmhos/cm)	124.8	131.6	140.9	135.1	131.2	120.0		
Water Temperature (°C)	20.3	20.5	20.7	20.5	20.5	20.7		
Dissolved Oxygen	1.27	1.23	1.20	1.19	1.18	1.16		
Turbidity (NTU)	41.75	53.21	79.88	147.6	153.2	192.2		
PID readings, if required								

Remarks: Sample Time: 10:48

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 1/20/2015

Field Personnel: P. Wylie, T. Elder, T. Abbott

General Weather Conditions: Clear, Sunny

Ambient Air Temperature: 18.8 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302	X	04L 2026AK	X
10K 101895		08B 101895	
07M 100905		04A 0912AI	
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve 2

Site ID#: 08932 **Monitoring Well #** MW-18

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	13.48			feet
Total Well Depth (TWD)	20			feet
Length of the water column (LWC=TWD-DGW)			6.52	feet
1 casing volume (CV=LWC X C)=	____ X	0.163	1.06	gallons
5 casing volume (5 X CV)=		5	5.31	gallons

Total Volume of Water Purged Before Sampling 4.25 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	11:00	11:01	11:02	11:03	11:04			
pH (s.u.)	6.55	6.70	6.85	7.01	7.08			
Specific Conductivity (µmhos/cm)	46.1	45.7	44.9	43.5	43.1			
Water Temperature (°C)	22.4	22.6	22.7	22.8	22.9			
Dissolved Oxygen	0.89	0.93	0.99	1.04	1.10			
Turbidity (NTU)	53.76	63.11	82.04	152.1	214.9			
PID readings, if required								

Remarks: Sample Time: 11:04 **Dry at 4.25 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 1/20/2015

Field Personnel: P. Wylie, T. Elder, T. Abbott

General Weather Conditions: Clear, Sunny

Ambient Air Temperature: 18.8 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302	X	04L 2026AK	X
10K 101895		08B 101895	
07M 100905		04A 0912AI	
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve 2

Site ID#: 08932 **Monitoring Well #** MW-19

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	3.51			feet
Total Well Depth (TWD)	13.19			feet
Length of the water column (LWC=TWD-DGW)			9.68	feet
1 casing volume (CV=LWC X C)=	____ X	0.163	1.58	gallons
5 casing volume (5 X CV)=		5	7.89	gallons

Total Volume of Water Purged Before Sampling 6 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	10:02	10:04	10:06	10:08	10:09			
pH (s.u.)	6.58	6.71	6.78	6.77	6.80			
Specific Conductivity (µmhos/cm)	30.1	29.6	28.2	27.9	27.5			
Water Temperature (°C)	16.3	16.2	16.1	16.1	16.0			
Dissolved Oxygen	1.53	1.42	1.30	1.21	1.16			
Turbidity (NTU)	62.17	86.40	111.60	171.8	184.2			
PID readings, if required								

Remarks: Sample Time: 10:09 **Dry at 6.0 gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 1/20/2015

Field Personnel: P. Wylie, T. Elder, T. Abbott

General Weather Conditions: Clear, Sunny

Ambient Air Temperature: 18.8 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302	X	04L 2026AK	X
10K 101895		08B 101895	
07M 100905		04A 0912AI	
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Facility Name: Heath Self Serve 2

Site ID#: 08932 **Monitoring Well #** MW-25

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:			feet
Depth to Free Product (DFP)			feet
Depth to Ground Water (DGW)	10.33		feet
Total Well Depth (TWD)	16		feet
Length of the water column (LWC=TWD-DGW)		5.67	feet
1 casing volume (CV=LWC X C)= ____ X	0.163	0.92	gallons
5 casing volume (5 X CV)=	5	4.62	gallons

Total Volume of Water Purged Before Sampling 2 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	10:29	10:30	10:32					
pH (s.u.)	6.17	6.21	6.30					
Specific Conductivity (µmhos/cm)	66.2	69.9	71.0					
Water Temperature (°C)	19.3	19.5	19.6					
Dissolved Oxygen	1.59	1.70	1.95					
Turbidity (NTU)	29.17	186.6	293.2					
PID readings, if required								

Remarks: Sample Time: 10:32 **Dry @ 2.0 Gallons**

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 1/20/2015

Field Personnel: P. Wylie, T. Elder, T. Abbott

General Weather Conditions: Clear, Sunny

Ambient Air Temperature: 18.8 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302	X	04L 2026AK	X
10K 101895		08B 101895	
07M 100905		04A 0912AI	
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve 2

Site ID#: 08932 **Monitoring Well #** MW-28

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 2 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	2.00			feet
Total Well Depth (TWD)	12			feet
Length of the water column (LWC=TWD-DGW)			10	feet
1 casing volume (CV=LWC X C)= ____ X		0.163	1.63	gallons
5 casing volume (5 X CV)=		5	8.15	gallons

Total Volume of Water Purged Before Sampling 8.25 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	9:45	9:47	9:48	9:50	9:52	9:53		
pH (s.u.)	6.20	6.13	6.10	6.09	6.03	6.05		
Specific Conductivity (µmhos/cm)	84.2	101.0	119.4	128.2	135.6	134.3		
Water Temperature (°C)	15.1	15.1	15.3	15.7	16.0	16.2		
Dissolved Oxygen	2.50	2.11	2.01	1.97	1.83	1.79		
Turbidity (NTU)	32.21	346.2	361.8	390.2	397.8	400.7		
PID readings, if required								

Remarks: Sample Time: 9:53

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 1/20/2015

Field Personnel: P. Wylie, T. Elder, T. Abbott

General Weather Conditions: Clear, Sunny

Ambient Air Temperature: 18.8 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302	X	04L 2026AK	X
10K 101895		08B 101895	
07M 100905		04A 0912AI	
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve 2

Site ID#: 08932 **Monitoring Well #** TRF-1

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 4 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	17.40			feet
Total Well Depth (TWD)	25			feet
Length of the water column (LWC=TWD-DGW)			7.6	feet
1 casing volume (CV=LWC X C)= ____ X		0.652	4.96	gallons
5 casing volume (5 X CV)=		5	24.78	gallons

Total Volume of Water Purged Before Sampling 2.5 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	14:11	14:13						
pH (s.u.)	6.27	Sheen						
Specific Conductivity (µmhos/cm)	83.3	Sheen						
Water Temperature (°C)	22.3	Sheen						
Dissolved Oxygen	0.80	Sheen						
Turbidity (NTU)	65.39	Sheen						
PID readings, if required								

Remarks: Sample Time: 14:13 **Dry @ 2.50 Gallons**

Sheen= Noticable Petroleum Sheen Observed on Sample

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 1/20/2015
Field Personnel: P. Wylie, T. Elder, T. Abbott
General Weather Conditions: Clear, Sunny

Ambient Air Temperature: 18.8 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302	X	04L 2026AK	X
10K 101895		08B 101895	
07M 100905		04A 0912AI	
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve 2
Site ID#: 08932 **Monitoring Well #** TRF-2
Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 4 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	18.86			feet
Total Well Depth (TWD)	23.11			feet
Length of the water column (LWC=TWD-DGW)			4.25	feet
1 casing volume (CV=LWC X C)= ____ X		0.652	2.77	gallons
5 casing volume (5 X CV)=		5	13.86	gallons

Total Volume of Water Purged Before Sampling 3 gals.
*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	14:10	14:13	14:14					
pH (s.u.)	6.20	Sheen	Sheen					
Specific Conductivity (µmhos/cm)	90.2	Sheen	Sheen					
Water Temperature (°C)	22.7	Sheen	Sheen					
Dissolved Oxygen	0.66	Sheen	Sheen					
Turbidity (NTU)	49.96	Sheen	Sheen					
PID readings, if required								

Remarks: Sample Time: 14:14 **Dry @ 3.0 Gallons**
Sheen = Noticable Petroleum Sheen Observed on Sample

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 1/20/2015

Field Personnel: P. Wylie, T. Elder, T. Abbott

General Weather Conditions: Clear, Sunny

Ambient Air Temperature: 18.8 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302	X	04L 2026AK	X
10K 101895		08B 101895	
07M 100905		04A 0912AI	
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve 2

Site ID#: 08932 **Monitoring Well #** TRF-3

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 4 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	17.87			feet
Total Well Depth (TWD)	25			feet
Length of the water column (LWC=TWD-DGW)			7.13	feet
1 casing volume (CV=LWC X C)= ____ X		0.652	4.65	gallons
5 casing volume (5 X CV)=		5	23.24	gallons

Total Volume of Water Purged Before Sampling 12 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	12:50	12:55	13:00	13:02				
pH (s.u.)	Sheen	Sheen	Sheen	Sheen				
Specific Conductivity (µmhos/cm)	Sheen	Sheen	Sheen	Sheen				
Water Temperature (°C)	Sheen	Sheen	Sheen	Sheen				
Dissolved Oxygen	Sheen	Sheen	Sheen	Sheen				
Turbidity (NTU)	Sheen	Sheen	Sheen	Sheen				
PID readings, if required								

Remarks: Sample Time: 14:14 **Dry @ 12.0 Gallons**

Sheen = Noticable Petroleum Sheen Observed on Sample

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 1/20/2015

Field Personnel: P. Wylie, T. Elder, T. Abbott

General Weather Conditions: Clear, Sunny

Ambient Air Temperature: 18.8 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302	X	04L 2026AK	X
10K 101895		08B 101895	
07M 100905		04A 0912AI	
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve 2

Site ID#: 08932 **Monitoring Well #** TRF-4

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 4 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	17.70			feet
Total Well Depth (TWD)	25			feet
Length of the water column (LWC=TWD-DGW)			7.3	feet
1 casing volume (CV=LWC X C)= ____ X		0.652	4.76	gallons
5 casing volume (5 X CV)=		5	23.80	gallons

Total Volume of Water Purged Before Sampling 12.25 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	13:28	13:33	13:38	13:40				
pH (s.u.)	Sheen	Sheen	Sheen	Sheen				
Specific Conductivity (µmhos/cm)	Sheen	Sheen	Sheen	Sheen				
Water Temperature (°C)	Sheen	Sheen	Sheen	Sheen				
Dissolved Oxygen	Sheen	Sheen	Sheen	Sheen				
Turbidity (NTU)	Sheen	Sheen	Sheen	Sheen				
PID readings, if required								

Remarks: Sample Time: 13:40 **Dry @ 12.25 Gallons**

Sheen = Noticable Petroleum Sheen Observed on Sample

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 1/20/2015

Field Personnel: P. Wylie, T. Elder, T. Abbott

General Weather Conditions: Clear, Sunny

Ambient Air Temperature: 18.8 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302	X	04L 2026AK	X
10K 101895		08B 101895	
07M 100905		04A 0912AI	
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve 2

Site ID#: 08932 **Monitoring Well #** TRF-10

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 4 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	16.69			feet
Total Well Depth (TWD)	24.92			feet
Length of the water column (LWC=TWD-DGW)			8.23	feet
1 casing volume (CV=LWC X C)= ____ X		0.652	5.37	gallons
5 casing volume (5 X CV)=		5	26.83	gallons

Total Volume of Water Purged Before Sampling 10.5 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	12:29	12:35	12:40					
pH (s.u.)	6.36	Sheen	Sheen					
Specific Conductivity (µmhos/cm)	68.5	Sheen	Sheen					
Water Temperature (°C)	22.9	Sheen	Sheen					
Dissolved Oxygen	0.78	Sheen	Sheen					
Turbidity (NTU)	68.91	Sheen	Sheen					
PID readings, if required								

Remarks: Sample Time: 12:40 **Dry @ 10.50 Gallons**

Sheen = Noticable Petroleum Sheen Observed on Sample

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management Underground Storage Tank Program

Field Data Information Sheet for Groundwater Sampling

Date (mm/dd/yy): 1/20/2015

Field Personnel: P. Wylie, T. Elder, T. Abbott

General Weather Conditions: Clear, Sunny

Ambient Air Temperature: 18.8 °C

Quality Assurance

pH/Conductivity Meter		**DO Meter**	
YSI 63		**YSI 550A**	
09C 101302	X	04L 2026AK	X
10K 101895		08B 101895	
07M 100905		04A 0912AI	
Calibration Buffer:	4, 7, & 10		

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Heath Self Serve 2

Site ID#: 08932 **Monitoring Well #** TRF-12

Water Supply Well **Public** _____ **Private** _____

Monitoring Well Diameter (D): 4 inches

Conversion Factor (C): 3.14 x $(D/2)^2$ for a 2 inch well C=0.163
for a 4 inch well C=0.652

* Free Product Thickness:				feet
Depth to Free Product (DFP)				feet
Depth to Ground Water (DGW)	16.00			feet
Total Well Depth (TWD)	20			feet
Length of the water column (LWC=TWD-DGW)			4	feet
1 casing volume (CV=LWC X C)= ____ X		0.652	2.61	gallons
5 casing volume (5 X CV)=		5	13.04	gallons

Total Volume of Water Purged Before Sampling 13.25 gals.

*If free product is present over 1/8 inch, sampling will not be required.

Cumulative Volume Purged (gallons)	Inital	1st Vol	2nd Vol	3rd Vol	4th Vol	5th Vol	Post Sampling	
Time (military)	12:20	12:23	12:26	12:29	12:32	12:35		
pH (s.u.)	6.61	6.63	6.64	6.65	6.64	6.63		
Specific Conductivity (µmhos/cm)	63.1	65.5	66.2	64.9	63.7	63.0		
Water Temperature (°C)	23.4	23.9	23.7	23.7	23.8	23.8		
Dissolved Oxygen	0.83	0.80	0.82	0.84	0.85	0.86		
Turbidity (NTU)	40.19	63.20	90.17	91.06	95.21	98.21		
PID readings, if required								

Remarks: Sample Time: 12:35

Midlands
Environmental
Consultants, Inc.

January 22, 2015

Re: Treatment of Purge Water
H Q Heath Self Serve 2
Sumter, South Carolina
SCDHEC Site ID Number 08932
MECI Project Number 14-5017

To Whom It May Concern;

Midlands Environmental Consultants, Inc. is providing the following letter as certification that treatment of the referenced purge water complied with the conditions of "Proposed Conditions for Use of Portable Activated Carbon Units for the Treatment of Small Volumes of Petroleum Hydrocarbon Contaminated Groundwater", as described in the following:

Applicability:

Groundwater treated was obtained as a result development of wells and sampling.

Conditions:

1. The purge/bail water from all wells is mixed before usage of the Activated Carbon Unit.
2. No free-product was detected in any of the purge water drums.
3. Analytical results of from well sampling show average concentrations of petroleum hydrocarbon constituents less than 5000 parts per billion (ppb) Benzene and less than 20,000 ppb total BTEX.
4. The existing carbon pack will be replaced/reactivated every 5,000 gallons.
5. Record of usage is maintained by Contractor.
6. Any and all recommendations and conditions issued by the Manufacturer have been adhered to.
7. Any and all recommendations and conditions (even on a site by site basis) issued by the SCDHEC must be adhered to.

All purge waters were treated on-site using an up-flow treatment drum loaded with 30 pounds of activated carbon. Carbon will be loaded to a maximum of 3 pounds of total organic compounds or 5,000 gallons of development/purge water, whichever occurs first.

Post Office Box 854, Lexington SC 29071 • 231 Dooley Road, Lexington, SC 29073
Telephone: (803) 808-2043 • fax: (803) 808-2048

A total of 142.75 gallons were treated on January 20, 2015, at the referenced site.

Midlands Environmental also tracks cumulative organic compounds adsorbed on the activated carbon to ensure the capacity of carbon mass is not over-charged. This data is available upon request.

Should you have any questions or comments, please contact the undersigned.

Sincerely,
Midlands Environmental Consultants, Inc.

Frank M. Mitlin
Staff Hydrogeologist

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 4

1887919

Section A Required Client Information:

Company: SCDHEC
Address: 2600 Bull Street
Columbia, SC 29201
Email To: dlthoma@dhec.sc.gov
Phone: 803-898-2544 Fax: 803-898-0673
Requested Due Date/TAT:

Section B Required Project Information:

Report To: D. Thoma
Copy To:
Purchase Order No.: 4600328425
Project Name: HQ Health Spill Srv2
Project Number: 08932-44020

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: A. Baioni
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER

Site Location STATE: SC — Sumter

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: BTEX rum	1,2-DCA	Odor	CDB	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-1R	WT	G			1-20-15	14:27		6				✓					✓	✓	✓	✓		Odor, Sheen, Duplicated
2	MW-2	WT	G			1-20-15	14:25		6				✓					✓	✓	✓	✓		Odor
3	MW-3	WT	G			1-20-15	15:11		6				✓					✓	✓	✓	✓		No odor
4	MW-4																						Not Sampled
5	MW-5D	WT	G			1-20-15	15:16		6				✓					✓	✓	✓	✓		No odor
6	MW-6																						Not Sampled
7	MW-7	WT	G			1-20-15	13:35		6				✓					✓	✓	✓	✓		Odor, Sheen, Duplicated
8	MW-8	WT	G			1-20-15	12:45		6				✓					✓	✓	✓	✓		Odor, Sheen
9	MW-9																						Not Sampled
10	MW-10																						Not Sampled
11	MW-11	WT	G			1-20-15	13:54		6				✓					✓	✓	✓	✓		No odor
12	MW-12	WT	G			1-20-15	14:42		6				✓					✓	✓	✓	✓		Odor, Sheen

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Todd Eldridge	1-20-15	15:42	B Moody - Pace	01-21-15	09:35	

2

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Todd Eldridge
SIGNATURE of SAMPLER: Todd Eldridge
DATE Signed (MM/DD/YY): 1-20-15

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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Page: 2 of 4

1887920

Section A Required Client Information:

Company: SC DHEC
Address: 2600 Bull Street
Columbia, SC 29201
Email To: dlthoma@dhec.sc.gov
Phone: 803-848-2544 Fax: 803-848-0673
Requested Due Date/TAT:

Section B Required Project Information:

Report To: D. Thoma
Copy To:
Purchase Order No.: 4600328425
Project Name: HQ Heath Self Serv 2
Project Number: 08932, 44020

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: A. Baioni
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER

Site Location STATE: SC — Sumter

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE)

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BTEXMN	1,2 DCA	8 OXY	EDB	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-13	WT	G			1-20-15	13:10		6				✓						✓	✓	✓	✓		No odor
2	MW-14						10:40																	No odor
3	MW-15						11:15																	No odor
4	MW-16						11:45																	No odor
5	MW-17R						11:48																	No odor
6	MW-18						11:04																	No odor
7	MW-19	WT	G			1-20-15	10:09		6				✓						✓	✓	✓	✓		No odor
8	MW-20																							Not Sampled
9	MW-21																							Not Sampled
10	MW-22																							Not Sampled
11	MW-23																							Not Sampled
12	MW-24																							Not Sampled

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Todd Ehler	1-20-15	15:46	Lynn Coady Pace	01-21-15	09:15	

2

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Todd Ehler
SIGNATURE of SAMPLER: Todd Ehler
DATE Signed (MM/DD/YY): 1-20-15

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

CHAIN-OF-CUSTODY / Analytical Request Document

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1723350

Section A Required Client Information:

Company: SC DHEC
Address: 2600 Bull Street
Columbia, SC 29201
Email To: dlthoma@dhec.sc.gov
Phone: 803-848-2544 Fax: 803-848-0673
Requested Due Date/TAT:

Section B Required Project Information:

Report To: D. Thoma
Copy To:
Purchase Order No.: 4600328425
Project Name: HD Health Self Serv
Project Number: 08932; 49020

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: A. Baioni
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER

Site Location STATE: SC — Sumter

Section D Required Client Information

Matrix Codes (see valid codes to left) / MATRIX / CODE:
Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID
(A-Z, 0-9 / , -)
Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N): Benzene	1,2-DCA	2-DM	EDB	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-25	WT	G			1-20-15	10:32		6				✓						✓	✓	✓	✓		No odor
2	MW-26																							Not Sampled
3	MW-27																							NOT SAMPLED
4	MW-28	WT	G			1-20-15	9:53		6				✓						✓	✓	✓	✓		No odor
5	TFR-1						14:13																	Odor, Sheen
6	TFR-2						14:14																	Odor, Sheen
7	TFR-3						13:02																	Odor, Sheen
8	TFR-4	WT	G			1-20-15	13:40		6				✓						✓	✓	✓	✓		Sheen, Odor
9	TFR-5																							Not Sampled
10	TFR-6																							Not Sampled
11	TFR-7																							Not Sampled
12	TFR-8																							Not Sampled

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	[illegible]	1-20-15	15:45	B McCurdy Pace	01-21-15	09:35	

2

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Todd Elder
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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Page: 4 of 4

1723351

Section A Required Client Information:

Company: SC DHEC
Address: 2600 Bull Street
Columbia, SC 29201
Email To: dlthoma@dhec.sc.gov
Phone: 803-848-2544 Fax: 803-898-0673
Requested Due Date/TAT:

Section B Required Project Information:

Report To: D. Thoma
Copy To:
Purchase Order No.: 4600328425
Project Name: HQ Health Self Srv
Project Number: 08932, 49070

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: A. Baioni
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER

Site Location STATE: SC — Sumter

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / , -)
Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE):
Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	STEX/MTBE	1,2-DCA	8-DVH	EDB	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	TFR-9																							Not Sampled
2	TFR-10	WT	G			1-20-15	12:40		6				✓						✓	✓	✓	✓		Sheen, odor
3	TFR-11																							Not Sampled
4	TFR-12	WT	G			1-20-15	12:35		6				✓						✓	✓	✓	✓		Slight odor
5	MW 1R DUP						14:18												✓	✓	✓	✓		Duplicate
6	MW 7 DUP						13:36												✓	✓	✓	✓		Duplicate
7	Field Blank						15:15		6										✓	✓	✓	✓		
8	Trip Blank	W	G			1-20-15	15:16		2				✓						✓	✓	✓			
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Todd Elder	1-20-15	15:44	Jason Moody - Pace	01-21-15	09:35	

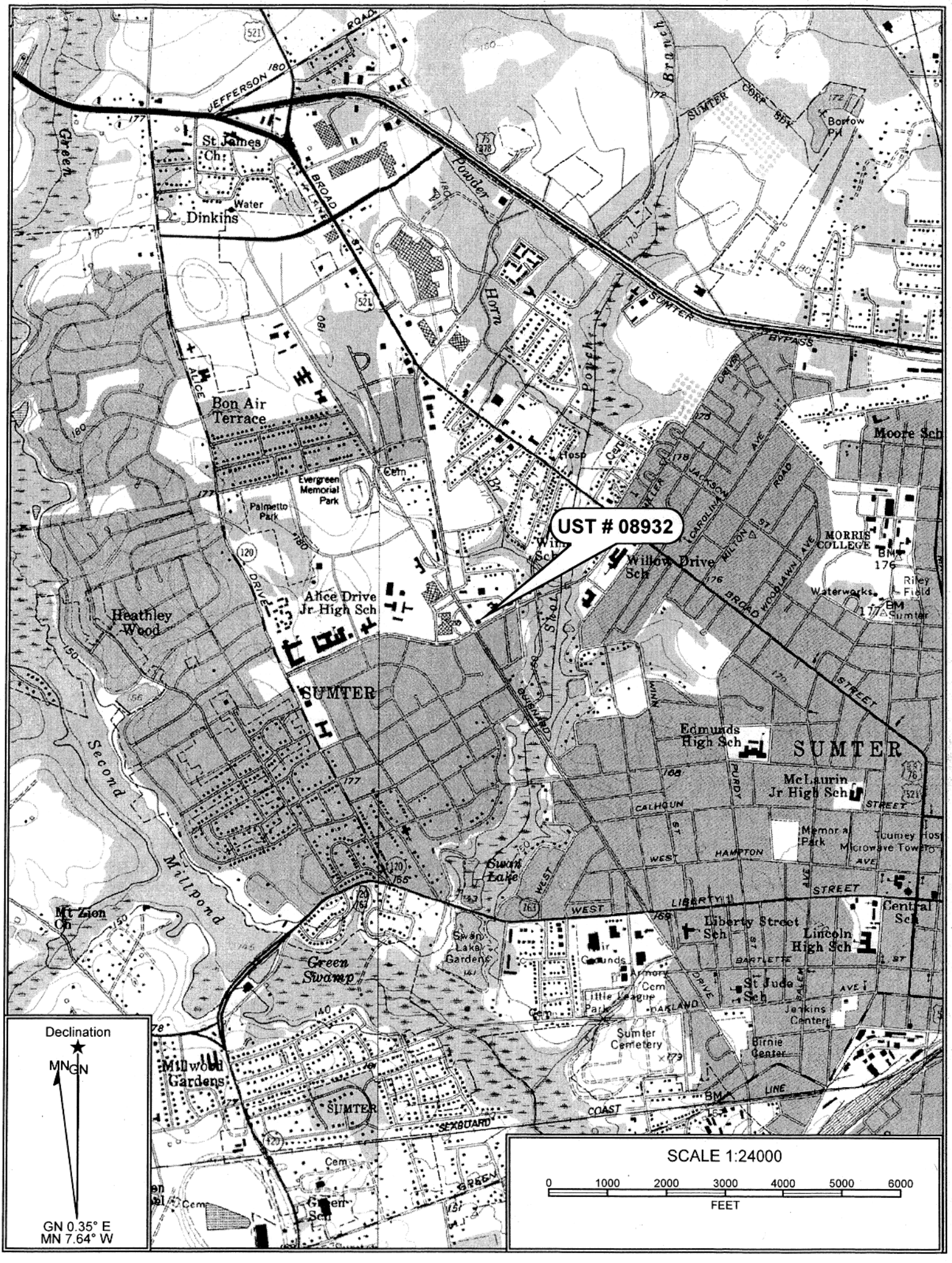
2

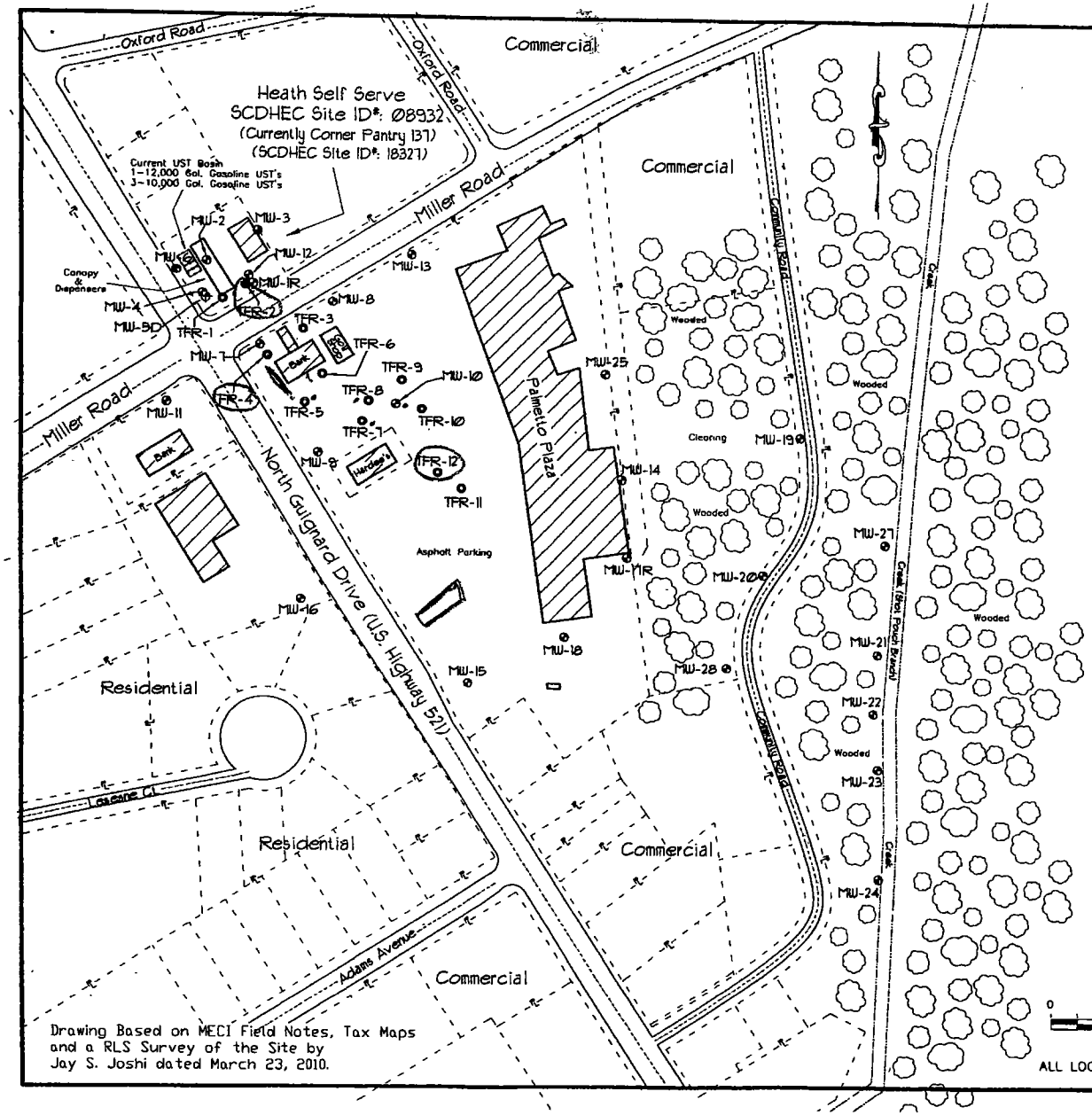
SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Todd Elder
SIGNATURE of SAMPLER: Todd Elder
DATE Signed (MM/DD/YY): 1-20-15

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.


UST # 08932
Declination
MN GN
GN 0.35° E
MN 7.64° W
SCALE 1:24000
0 1000 2000 3000 4000 5000 6000
FEET
SUMTER
Bon Air Terrace
Dinkins
St James Ch
Evergreen Memorial Park
Palmetto Park
Alice Drive Jr High Sch
Heathley Wood
Willow Drive Sch
Edmunds High Sch
McLaurin Jr High Sch
Liberty Street Sch
Lincoln High School
Central Sch
Moore Sch
MORRIS COLLEGE
Riley Field
Waterworks
Swan Lake
Swan Lake Gardens
Green Swamp
Millwood Gardens
Mt Zion Ch
Sumter Cemetery
St Jude Sch
Jenkins Center
Birnie Center
Memorial Park
Tuomey Hosp
Microwave Tower
Armory
Little League Park
Green Sch
Second Millpond
Horn Branch
Powder Horn
Green
Borrow Pit
JEFFERSON ROAD
BROAD STREET
ALICE DRIVE
SUMTER BYPASS
CAROLINA AVE
JACKSON ROAD
WILTON ST
BROAD
WOODLAWN AVE
STREET
CALHOUN STREET
HAMPTON AVE
LIBERTY STREET
BARTLETT ST
OAKLAND AVE
SEXBURD
COAST LINE
BM 176
BM Sumter



Explanation:

- Location of Water Table Bracketing Monitoring Well
- Location of 4-inch Recovery Well
- Location of Double Cased Monitoring Well
- Estimated Location of Existing Underground Storage Tanks
- Property Line

Groundwater Elevation Data

Well #	Date Sampled	Depth to Water (feet)	Well Head Elevation	Groundwater Elevation
MW-1R	3/17/10	16.51	171.85	155.34
MW-11R	3/17/10	15.19	170.33	155.14
MW-17R	3/17/10	11.73	163.81	152.08
MW-19	3/17/10	3.38	149.34	145.96
MW-28	3/17/10	4.81	153.73	148.92

Notes:

Depth to groundwater measured on March 17, 2010.

COC Concentration Data

Sample #	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Total Xylenes (ug/l)	Total BTEX (ug/l)	MTBE (ug/l)	Naphthalene (ug/l)
MW-1R	2,840	34,800	5,860	28,500	72,000	<250	829
MW-11R	13.0	70.2	36.3	175	294.5	<5.0	<5.0
MW-17R	4,450	6,450	919	3,670	15,489	198	164
MW-19	134	<5.0	<5.0	<10.0	134	12.7	5.0
MW-28	<5.0	<5.0	<5.0	<10.0	BDL	<5.0	<5.0

Notes: Groundwater samples collected on March 17, 2010.
BDL = Below Detection Limits

GRAPHIC SCALE
0 100 200 300 400
1IN = 200FT

ALL LOCATIONS ARE APPROXIMATE

Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated March 23, 2010.

Site Features

Heath Self Serve 2
Sumter, South Carolina
SCDHEC Site ID# 08932

Midlands Environmental Consultants, Inc.

JOB NO. 11-3335
DATE August 22, 2011
FIGURE 3

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

UST
FEB 03 2015
PROGRAM

January 28, 2015

Mr. John Bryant
SCDHEC
UST Program
2600 Bull Street
Columbia, SC 29201

RE: Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Dear Mr. Bryant:
Enclosed are the analytical results for sample(s) received by the laboratory on January 21, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela Baioni

Angela Baioni
angela.baioni@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92234390001	MW-1R	Water	01/20/15 14:27	01/21/15 15:10
92234390002	MW-2	Water	01/20/15 14:25	01/21/15 15:10
92234390003	MW-3	Water	01/20/15 15:11	01/21/15 15:10
92234390004	MW-5D	Water	01/20/15 15:16	01/21/15 15:10
92234390005	MW-7	Water	01/20/15 13:35	01/21/15 15:10
92234390006	MW-8	Water	01/20/15 12:45	01/21/15 15:10
92234390007	MW-11	Water	01/20/15 13:54	01/21/15 15:10
92234390008	MW-12	Water	01/20/15 14:42	01/21/15 15:10
92234390009	MW-13	Water	01/20/15 13:10	01/21/15 15:10
92234390010	MW-14	Water	01/20/15 10:40	01/21/15 15:10
92234390011	MW-15	Water	01/20/15 11:15	01/21/15 15:10
92234390012	MW-16	Water	01/20/15 11:45	01/21/15 15:10
92234390013	MW-17R	Water	01/20/15 10:48	01/21/15 15:10
92234390014	MW-18	Water	01/20/15 11:04	01/21/15 15:10
92234390015	MW-19	Water	01/20/15 10:09	01/21/15 15:10
92234390016	MW-25	Water	01/20/15 10:32	01/21/15 15:10
92234390017	MW-28	Water	01/20/15 09:53	01/21/15 15:10
92234390018	TFR-1	Water	01/20/15 14:13	01/21/15 15:10
92234390019	TFR-2	Water	01/20/15 14:14	01/21/15 15:10
92234390020	TFR-3	Water	01/20/15 13:02	01/21/15 15:10
92234390021	TFR-4	Water	01/20/15 13:40	01/21/15 15:10
92234390022	TFR-10	Water	01/20/15 12:40	01/21/15 15:10
92234390023	TFR-12	Water	01/20/15 12:35	01/21/15 15:10
92234390024	MW-1R DUP	Water	01/20/15 14:28	01/21/15 15:10
92234390025	MW-7 DUP	Water	01/20/15 13:36	01/21/15 15:10
92234390026	FIELD BLANK	Water	01/20/15 15:15	01/21/15 15:10
92234390027	TRIP BLANK	Water	01/20/15 15:16	01/21/15 15:10

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SAMPLE ANALYTE COUNT

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92234390001	MW-1R	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390002	MW-2	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390003	MW-3	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390004	MW-5D	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390005	MW-7	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390006	MW-8	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390007	MW-11	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390008	MW-12	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390009	MW-13	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390010	MW-14	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390011	MW-15	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390012	MW-16	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390013	MW-17R	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390014	MW-18	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390015	MW-19	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390016	MW-25	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390017	MW-28	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390018	TFR-1	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390019	TFR-2	EPA 8011	JMC	2	PASI-C

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SAMPLE ANALYTE COUNT

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	CCL	20	PASI-C
92234390020	TFR-3	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390021	TFR-4	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390022	TFR-10	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390023	TFR-12	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390024	MW-1R DUP	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390025	MW-7 DUP	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390026	FIELD BLANK	EPA 8011	JMC	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92234390027	TRIP BLANK	EPA 8260	CCL	20	PASI-C

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SUMMARY OF DETECTION

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92234390001	**MW-1R**					
EPA 8011	1,2-Dibromoethane (EDB)	2.6	ug/L	0.096	01/27/15 16:10	
EPA 8260	tert-Amyl Alcohol	913	ug/L	100	01/26/15 23:50	
EPA 8260	Benzene	998J	ug/L	1250	01/27/15 15:58	
EPA 8260	Ethylbenzene	2850	ug/L	1250	01/27/15 15:58	
EPA 8260	Toluene	19100	ug/L	1250	01/27/15 15:58	
EPA 8260	Xylene (Total)	15400	ug/L	2500	01/27/15 15:58	
EPA 8260	m&p-Xylene	10700	ug/L	2500	01/27/15 15:58	
EPA 8260	o-Xylene	4700	ug/L	1250	01/27/15 15:58	
92234390002	**MW-2**					
EPA 8260	Benzene	7.7	ug/L	5.0	01/26/15 18:50	
EPA 8260	Ethylbenzene	15.3	ug/L	5.0	01/26/15 18:50	
EPA 8260	Toluene	3.9J	ug/L	5.0	01/26/15 18:50	
EPA 8260	Xylene (Total)	23.9	ug/L	10.0	01/26/15 18:50	
EPA 8260	m&p-Xylene	23.9	ug/L	10.0	01/26/15 18:50	
92234390003	**MW-3**					
EPA 8260	o-Xylene	1.7J	ug/L	5.0	01/26/15 19:06	
92234390004	**MW-5D**					
EPA 8260	tert-Amyl Alcohol	188	ug/L	100	01/26/15 21:03	
EPA 8260	Benzene	242	ug/L	12.5	01/27/15 14:35	
EPA 8260	Methyl-tert-butyl ether	120	ug/L	5.0	01/26/15 21:03	
EPA 8260	Naphthalene	6.6	ug/L	5.0	01/26/15 21:03	
EPA 8260	Xylene (Total)	45.3	ug/L	10.0	01/26/15 21:03	
EPA 8260	o-Xylene	45.3	ug/L	5.0	01/26/15 21:03	
92234390005	**MW-7**					
EPA 8011	1,2-Dibromoethane (EDB)	174	ug/L	3.9	01/27/15 16:30	
EPA 8260	tert-Amyl Alcohol	6000	ug/L	2000	01/26/15 22:43	
EPA 8260	tert-Amylmethyl ether	203	ug/L	200	01/26/15 22:43	
EPA 8260	Benzene	11700	ug/L	2500	01/27/15 14:52	
EPA 8260	tert-Butyl Alcohol	1820J	ug/L	2000	01/26/15 22:43	
EPA 8260	1,2-Dichloroethane	82.4J	ug/L	100	01/26/15 22:43	
EPA 8260	Ethylbenzene	3280	ug/L	2500	01/27/15 14:52	
EPA 8260	Methyl-tert-butyl ether	1000	ug/L	100	01/26/15 22:43	
EPA 8260	Naphthalene	1500	ug/L	100	01/26/15 22:43	
EPA 8260	Toluene	42200	ug/L	2500	01/27/15 14:52	
EPA 8260	Xylene (Total)	21900	ug/L	5000	01/27/15 14:52	
EPA 8260	m&p-Xylene	14700	ug/L	5000	01/27/15 14:52	
EPA 8260	o-Xylene	7120	ug/L	2500	01/27/15 14:52	
92234390006	**MW-8**					
EPA 8011	1,2-Dibromoethane (EDB)	29.0	ug/L	0.99	01/27/15 16:49	
EPA 8260	tert-Amyl Alcohol	5610	ug/L	2500	01/26/15 23:00	
EPA 8260	Benzene	2160	ug/L	125	01/26/15 23:00	
EPA 8260	Ethylbenzene	932	ug/L	125	01/26/15 23:00	
EPA 8260	Naphthalene	680	ug/L	125	01/26/15 23:00	
EPA 8260	Toluene	11600	ug/L	500	01/27/15 15:08	

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SUMMARY OF DETECTION

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92234390006	**MW-8**					
EPA 8260	Xylene (Total)	11300	ug/L	250	01/26/15 23:00	
EPA 8260	m&p-Xylene	6690	ug/L	250	01/26/15 23:00	
EPA 8260	o-Xylene	4620	ug/L	125	01/26/15 23:00	
92234390007	**MW-11**					
EPA 8260	tert-Amyl Alcohol	300	ug/L	100	01/27/15 07:21	
EPA 8260	Benzene	4.1J	ug/L	5.0	01/27/15 07:21	
EPA 8260	Toluene	3.3J	ug/L	5.0	01/27/15 07:21	
EPA 8260	m&p-Xylene	4.5J	ug/L	10.0	01/27/15 07:21	
EPA 8260	o-Xylene	3.5J	ug/L	5.0	01/27/15 07:21	
92234390008	**MW-12**					
EPA 8011	1,2-Dibromoethane (EDB)	1.8	ug/L	0.096	01/27/15 17:09	
EPA 8260	tert-Amyl Alcohol	324	ug/L	100	01/27/15 07:38	
EPA 8260	Benzene	568	ug/L	250	01/27/15 17:38	
EPA 8260	tert-Butyl Alcohol	83.0J	ug/L	100	01/27/15 07:38	
EPA 8260	Ethylbenzene	891	ug/L	250	01/27/15 17:38	
EPA 8260	Naphthalene	459	ug/L	250	01/27/15 17:38	
EPA 8260	Toluene	6470	ug/L	250	01/27/15 17:38	
EPA 8260	Xylene (Total)	15000	ug/L	500	01/27/15 17:38	
EPA 8260	m&p-Xylene	9720	ug/L	500	01/27/15 17:38	
EPA 8260	o-Xylene	5310	ug/L	250	01/27/15 17:38	
92234390010	**MW-14**					
EPA 8011	1,2-Dibromoethane (EDB)	0.028	ug/L	0.020	01/24/15 01:16	
EPA 8260	tert-Amyl Alcohol	2690	ug/L	100	01/26/15 21:37	
EPA 8260	tert-Butyl Alcohol	131	ug/L	100	01/26/15 21:37	
EPA 8260	1,2-Dichloroethane	12.0	ug/L	5.0	01/26/15 21:37	
EPA 8260	Ethylbenzene	8.4	ug/L	5.0	01/26/15 21:37	
92234390011	**MW-15**					
EPA 8260	tert-Amyl Alcohol	320	ug/L	100	01/26/15 21:53	
92234390013	**MW-17R**					
EPA 8260	tert-Amyl Alcohol	3890	ug/L	100	01/27/15 07:54	
EPA 8260	tert-Amylmethyl ether	14.1	ug/L	10.0	01/27/15 07:54	
EPA 8260	Benzene	3030	ug/L	250	01/27/15 17:55	
EPA 8260	tert-Butyl Alcohol	208	ug/L	100	01/27/15 07:54	
EPA 8260	1,2-Dichloroethane	75.7	ug/L	5.0	01/27/15 07:54	
EPA 8260	Ethylbenzene	525	ug/L	250	01/27/15 17:55	
EPA 8260	Methyl-tert-butyl ether	93.0	ug/L	5.0	01/27/15 07:54	
EPA 8260	Naphthalene	92.3	ug/L	5.0	01/27/15 07:54	
EPA 8260	Toluene	2450	ug/L	250	01/27/15 17:55	
EPA 8260	Xylene (Total)	2560	ug/L	500	01/27/15 17:55	
EPA 8260	m&p-Xylene	1810	ug/L	500	01/27/15 17:55	
EPA 8260	o-Xylene	743	ug/L	250	01/27/15 17:55	
92234390015	**MW-19**					
EPA 8260	Methyl-tert-butyl ether	4.2J	ug/L	5.0	01/27/15 03:43	

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SUMMARY OF DETECTION

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92234390018	**TFR-1**					
EPA 8011	1,2-Dibromoethane (EDB)	78.3	ug/L	2.0	01/27/15 17:29	
EPA 8260	tert-Amylmethyl ether	162	ug/L	100	01/27/15 06:14	
EPA 8260	Benzene	2510	ug/L	1000	01/27/15 16:31	
EPA 8260	Ethylbenzene	3230	ug/L	1000	01/27/15 16:31	
EPA 8260	Methyl-tert-butyl ether	109	ug/L	50.0	01/27/15 06:14	
EPA 8260	Naphthalene	346	ug/L	50.0	01/27/15 06:14	
EPA 8260	Toluene	33900	ug/L	1000	01/27/15 16:31	
EPA 8260	Xylene (Total)	21800	ug/L	2000	01/27/15 16:31	
EPA 8260	m&p-Xylene	14900	ug/L	2000	01/27/15 16:31	
EPA 8260	o-Xylene	6910	ug/L	1000	01/27/15 16:31	
92234390019	**TFR-2**					
EPA 8011	1,2-Dibromoethane (EDB)	0.31	ug/L	0.019	01/24/15 05:28	
EPA 8260	tert-Amyl Alcohol	448	ug/L	100	01/27/15 08:11	
EPA 8260	Benzene	49.2	ug/L	5.0	01/27/15 08:11	
EPA 8260	Methyl-tert-butyl ether	8.1	ug/L	5.0	01/27/15 08:11	
EPA 8260	Toluene	45.9	ug/L	5.0	01/27/15 08:11	
EPA 8260	Xylene (Total)	286	ug/L	10.0	01/27/15 08:11	
EPA 8260	m&p-Xylene	125	ug/L	10.0	01/27/15 08:11	
EPA 8260	o-Xylene	160	ug/L	5.0	01/27/15 08:11	
92234390020	**TFR-3**					
EPA 8011	1,2-Dibromoethane (EDB)	42.0	ug/L	0.98	01/27/15 17:48	
EPA 8260	Benzene	569	ug/L	50.0	01/27/15 06:31	
EPA 8260	1,2-Dichloroethane	28.5J	ug/L	50.0	01/27/15 06:31	
EPA 8260	Ethylbenzene	112	ug/L	50.0	01/27/15 06:31	
EPA 8260	Naphthalene	170	ug/L	50.0	01/27/15 06:31	
EPA 8260	Toluene	2090	ug/L	100	01/27/15 16:48	
EPA 8260	Xylene (Total)	9370	ug/L	200	01/27/15 16:48	
EPA 8260	m&p-Xylene	6080	ug/L	200	01/27/15 16:48	
EPA 8260	o-Xylene	3290	ug/L	100	01/27/15 16:48	
92234390021	**TFR-4**					
EPA 8011	1,2-Dibromoethane (EDB)	113	ug/L	3.8	01/27/15 18:08	
EPA 8260	tert-Amyl Alcohol	742	ug/L	100	01/27/15 04:50	
EPA 8260	tert-Amylmethyl ether	58.6	ug/L	10.0	01/27/15 04:50	
EPA 8260	Benzene	4350	ug/L	1250	01/27/15 16:15	
EPA 8260	tert-Butyl Alcohol	94.5J	ug/L	100	01/27/15 04:50	
EPA 8260	1,2-Dichloroethane	18.9	ug/L	5.0	01/27/15 04:50	
EPA 8260	Ethylbenzene	1840	ug/L	1250	01/27/15 16:15	
EPA 8260	Methyl-tert-butyl ether	58.5	ug/L	5.0	01/27/15 04:50	
EPA 8260	Toluene	21200	ug/L	1250	01/27/15 16:15	
EPA 8260	Xylene (Total)	23200	ug/L	2500	01/27/15 16:15	
EPA 8260	m&p-Xylene	15700	ug/L	2500	01/27/15 16:15	
EPA 8260	o-Xylene	7460	ug/L	1250	01/27/15 16:15	
92234390022	**TFR-10**					
EPA 8011	1,2-Dibromoethane (EDB)	14.7	ug/L	0.40	01/27/15 18:27	
EPA 8260	tert-Amyl Alcohol	9810	ug/L	5000	01/27/15 18:11	

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SUMMARY OF DETECTION

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92234390022	**TFR-10**					
EPA 8260	Benzene	3280	ug/L	250	01/27/15 18:11	
EPA 8260	tert-Butyl Alcohol	250	ug/L	100	01/27/15 08:28	
EPA 8260	1,2-Dichloroethane	92.5	ug/L	5.0	01/27/15 08:28	
EPA 8260	Ethylbenzene	565	ug/L	250	01/27/15 18:11	
EPA 8260	Naphthalene	108	ug/L	5.0	01/27/15 08:28	
EPA 8260	Toluene	7400	ug/L	250	01/27/15 18:11	
EPA 8260	Xylene (Total)	4100	ug/L	500	01/27/15 18:11	
EPA 8260	m&p-Xylene	2810	ug/L	500	01/27/15 18:11	
EPA 8260	o-Xylene	1290	ug/L	250	01/27/15 18:11	
92234390023	**TFR-12**					
EPA 8011	1,2-Dibromoethane (EDB)	127	ug/L	3.9	01/28/15 10:29	
EPA 8260	Benzene	7840	ug/L	2500	01/27/15 18:28	
EPA 8260	1,2-Dichloroethane	141	ug/L	5.0	01/27/15 08:45	
EPA 8260	Ethylbenzene	1180J	ug/L	2500	01/27/15 18:28	
EPA 8260	Toluene	23600	ug/L	2500	01/27/15 18:28	
EPA 8260	Xylene (Total)	8060	ug/L	5000	01/27/15 18:28	
EPA 8260	m&p-Xylene	5530	ug/L	5000	01/27/15 18:28	
EPA 8260	o-Xylene	2530	ug/L	2500	01/27/15 18:28	
92234390024	**MW-1R DUP**					
EPA 8011	1,2-Dibromoethane (EDB)	3.1	ug/L	0.096	01/27/15 19:05	
EPA 8260	Benzene	1030	ug/L	50.0	01/27/15 06:47	
EPA 8260	Ethylbenzene	2950	ug/L	1250	01/27/15 17:05	
EPA 8260	Naphthalene	375	ug/L	50.0	01/27/15 06:47	
EPA 8260	Toluene	20100	ug/L	1250	01/27/15 17:05	
EPA 8260	Xylene (Total)	14800	ug/L	2500	01/27/15 17:05	
EPA 8260	m&p-Xylene	10300	ug/L	2500	01/27/15 17:05	
EPA 8260	o-Xylene	4490	ug/L	1250	01/27/15 17:05	
92234390025	**MW-7 DUP**					
EPA 8011	1,2-Dibromoethane (EDB)	154	ug/L	3.8	01/27/15 19:24	
EPA 8260	tert-Amyl Alcohol	6680	ug/L	2000	01/27/15 07:04	
EPA 8260	Benzene	14700	ug/L	2500	01/27/15 17:21	
EPA 8260	tert-Butyl Alcohol	1850J	ug/L	2000	01/27/15 07:04	
EPA 8260	Ethylbenzene	4160	ug/L	2500	01/27/15 17:21	
EPA 8260	Methyl-tert-butyl ether	1000	ug/L	100	01/27/15 07:04	
EPA 8260	Toluene	50900	ug/L	2500	01/27/15 17:21	
EPA 8260	Xylene (Total)	28100	ug/L	5000	01/27/15 17:21	
EPA 8260	m&p-Xylene	19200	ug/L	5000	01/27/15 17:21	
EPA 8260	o-Xylene	8990	ug/L	2500	01/27/15 17:21	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: MW-1R **Lab ID: 92234390001** Collected: 01/20/15 14:27 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**2.6**	ug/L	0.096	0.096	5	01/26/15 15:47	01/27/15 16:10	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		5	01/26/15 15:47	01/27/15 16:10	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**913**	ug/L	100	76.8	1		01/26/15 23:50	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		01/26/15 23:50	994-05-8	
Benzene	**998J**	ug/L	1250	425	250		01/27/15 15:58	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		01/26/15 23:50	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		01/26/15 23:50	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		01/26/15 23:50	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		01/26/15 23:50	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		01/26/15 23:50	108-20-3	
Ethanol	ND	ug/L	200	138	1		01/26/15 23:50	64-17-5	
Ethylbenzene	**2850**	ug/L	1250	400	250		01/27/15 15:58	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		01/26/15 23:50	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		01/26/15 23:50	1634-04-4	
Naphthalene	ND	ug/L	1250	500	250		01/27/15 15:58	91-20-3	
Toluene	**19100**	ug/L	1250	400	250		01/27/15 15:58	108-88-3	
Xylene (Total)	**15400**	ug/L	2500	675	250		01/27/15 15:58	1330-20-7	
m&p-Xylene	**10700**	ug/L	2500	775	250		01/27/15 15:58	179601-23-1	
o-Xylene	**4700**	ug/L	1250	400	250		01/27/15 15:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		01/26/15 23:50	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		1		01/26/15 23:50	17060-07-0	
Toluene-d8 (S)	84	%	70-130		1		01/26/15 23:50	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: MW-2 **Lab ID: 92234390002** Collected: 01/20/15 14:25 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	01/23/15 16:50	01/23/15 22:41	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	97	%	60-140		1	01/23/15 16:50	01/23/15 22:41	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		01/26/15 18:50	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		01/26/15 18:50	994-05-8	
Benzene	**7.7**	ug/L	5.0	1.7	1		01/26/15 18:50	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		01/26/15 18:50	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		01/26/15 18:50	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		01/26/15 18:50	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		01/26/15 18:50	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		01/26/15 18:50	108-20-3	
Ethanol	ND	ug/L	200	138	1		01/26/15 18:50	64-17-5	
Ethylbenzene	**15.3**	ug/L	5.0	1.6	1		01/26/15 18:50	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		01/26/15 18:50	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		01/26/15 18:50	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		01/26/15 18:50	91-20-3	
Toluene	**3.9J**	ug/L	5.0	1.6	1		01/26/15 18:50	108-88-3	
Xylene (Total)	**23.9**	ug/L	10.0	2.7	1		01/26/15 18:50	1330-20-7	
m&p-Xylene	**23.9**	ug/L	10.0	3.1	1		01/26/15 18:50	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		01/26/15 18:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		01/26/15 18:50	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		01/26/15 18:50	17060-07-0	
Toluene-d8 (S)	107	%	70-130		1		01/26/15 18:50	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: MW-3 **Lab ID: 92234390003** Collected: 01/20/15 15:11 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	01/23/15 16:51	01/23/15 23:00	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	98	%	60-140		1	01/23/15 16:51	01/23/15 23:00	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		01/26/15 19:06	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		01/26/15 19:06	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/26/15 19:06	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		01/26/15 19:06	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		01/26/15 19:06	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		01/26/15 19:06	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		01/26/15 19:06	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		01/26/15 19:06	108-20-3	
Ethanol	ND	ug/L	200	138	1		01/26/15 19:06	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		01/26/15 19:06	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		01/26/15 19:06	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		01/26/15 19:06	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		01/26/15 19:06	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		01/26/15 19:06	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		01/26/15 19:06	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		01/26/15 19:06	179601-23-1	
o-Xylene	**1.7J**	ug/L	5.0	1.6	1		01/26/15 19:06	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		01/26/15 19:06	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		01/26/15 19:06	17060-07-0	
Toluene-d8 (S)	107	%	70-130		1		01/26/15 19:06	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: MW-5D **Lab ID: 92234390004** Collected: 01/20/15 15:16 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	01/23/15 16:51	01/23/15 23:20	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	101	%	60-140		1	01/23/15 16:51	01/23/15 23:20	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**188**	ug/L	100	76.8	1		01/26/15 21:03	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		01/26/15 21:03	994-05-8	
Benzene	**242**	ug/L	12.5	4.2	2.5		01/27/15 14:35	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		01/26/15 21:03	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		01/26/15 21:03	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		01/26/15 21:03	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		01/26/15 21:03	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		01/26/15 21:03	108-20-3	
Ethanol	ND	ug/L	200	138	1		01/26/15 21:03	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		01/26/15 21:03	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		01/26/15 21:03	637-92-3	
Methyl-tert-butyl ether	**120**	ug/L	5.0	1.7	1		01/26/15 21:03	1634-04-4	
Naphthalene	**6.6**	ug/L	5.0	2.0	1		01/26/15 21:03	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		01/26/15 21:03	108-88-3	
Xylene (Total)	**45.3**	ug/L	10.0	2.7	1		01/26/15 21:03	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		01/26/15 21:03	179601-23-1	
o-Xylene	**45.3**	ug/L	5.0	1.6	1		01/26/15 21:03	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		01/26/15 21:03	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		01/26/15 21:03	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		01/26/15 21:03	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: MW-7 **Lab ID: 92234390005** Collected: 01/20/15 13:35 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**174**	ug/L	3.9	3.9	200	01/26/15 15:47	01/27/15 16:30	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		200	01/26/15 15:47	01/27/15 16:30	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**6000**	ug/L	2000	1540	20		01/26/15 22:43	75-85-4	
tert-Amylmethyl ether	**203**	ug/L	200	68.0	20		01/26/15 22:43	994-05-8	
Benzene	**11700**	ug/L	2500	850	500		01/27/15 14:52	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2000	642	20		01/26/15 22:43	624-95-3	
tert-Butyl Alcohol	**1820J**	ug/L	2000	1150	20		01/26/15 22:43	75-65-0	
tert-Butyl Formate	ND	ug/L	1000	146	20		01/26/15 22:43	762-75-4	
1,2-Dichloroethane	**82.4J**	ug/L	100	36.0	20		01/26/15 22:43	107-06-2	
Diisopropyl ether	ND	ug/L	100	34.0	20		01/26/15 22:43	108-20-3	
Ethanol	ND	ug/L	4000	2760	20		01/26/15 22:43	64-17-5	
Ethylbenzene	**3280**	ug/L	2500	800	500		01/27/15 14:52	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	200	72.0	20		01/26/15 22:43	637-92-3	
Methyl-tert-butyl ether	**1000**	ug/L	100	34.0	20		01/26/15 22:43	1634-04-4	
Naphthalene	**1500**	ug/L	100	40.0	20		01/26/15 22:43	91-20-3	
Toluene	**42200**	ug/L	2500	800	500		01/27/15 14:52	108-88-3	
Xylene (Total)	**21900**	ug/L	5000	1350	500		01/27/15 14:52	1330-20-7	
m&p-Xylene	**14700**	ug/L	5000	1550	500		01/27/15 14:52	179601-23-1	
o-Xylene	**7120**	ug/L	2500	800	500		01/27/15 14:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		20		01/26/15 22:43	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		20		01/26/15 22:43	17060-07-0	
Toluene-d8 (S)	101	%	70-130		20		01/26/15 22:43	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: MW-8 **Lab ID: 92234390006** Collected: 01/20/15 12:45 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**29.0**	ug/L	0.99	0.99	50	01/26/15 15:47	01/27/15 16:49	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		50	01/26/15 15:47	01/27/15 16:49	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**5610**	ug/L	2500	1920	25		01/26/15 23:00	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	85.0	25		01/26/15 23:00	994-05-8	
Benzene	**2160**	ug/L	125	42.5	25		01/26/15 23:00	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	802	25		01/26/15 23:00	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	1440	25		01/26/15 23:00	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	182	25		01/26/15 23:00	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	45.0	25		01/26/15 23:00	107-06-2	
Diisopropyl ether	ND	ug/L	125	42.5	25		01/26/15 23:00	108-20-3	
Ethanol	ND	ug/L	5000	3440	25		01/26/15 23:00	64-17-5	
Ethylbenzene	**932**	ug/L	125	40.0	25		01/26/15 23:00	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	90.0	25		01/26/15 23:00	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	125	42.5	25		01/26/15 23:00	1634-04-4	
Naphthalene	**680**	ug/L	125	50.0	25		01/26/15 23:00	91-20-3	
Toluene	**11600**	ug/L	500	160	100		01/27/15 15:08	108-88-3	
Xylene (Total)	**11300**	ug/L	250	67.5	25		01/26/15 23:00	1330-20-7	
m&p-Xylene	**6690**	ug/L	250	77.5	25		01/26/15 23:00	179601-23-1	
o-Xylene	**4620**	ug/L	125	40.0	25		01/26/15 23:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		25		01/26/15 23:00	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		25		01/26/15 23:00	17060-07-0	
Toluene-d8 (S)	105	%	70-130		25		01/26/15 23:00	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: MW-11 **Lab ID: 92234390007** Collected: 01/20/15 13:54 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	01/23/15 16:51	01/24/15 00:18	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	98	%	60-140		1	01/23/15 16:51	01/24/15 00:18	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**300**	ug/L	100	76.8	1		01/27/15 07:21	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		01/27/15 07:21	994-05-8	
Benzene	**4.1J**	ug/L	5.0	1.7	1		01/27/15 07:21	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		01/27/15 07:21	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		01/27/15 07:21	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		01/27/15 07:21	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		01/27/15 07:21	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		01/27/15 07:21	108-20-3	
Ethanol	ND	ug/L	200	138	1		01/27/15 07:21	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		01/27/15 07:21	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		01/27/15 07:21	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		01/27/15 07:21	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		01/27/15 07:21	91-20-3	
Toluene	**3.3J**	ug/L	5.0	1.6	1		01/27/15 07:21	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		01/27/15 07:21	1330-20-7	
m&p-Xylene	**4.5J**	ug/L	10.0	3.1	1		01/27/15 07:21	179601-23-1	
o-Xylene	**3.5J**	ug/L	5.0	1.6	1		01/27/15 07:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		01/27/15 07:21	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		01/27/15 07:21	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		01/27/15 07:21	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: MW-12 **Lab ID: 92234390008** Collected: 01/20/15 14:42 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**1.8**	ug/L	0.096	0.096	5	01/26/15 15:47	01/27/15 17:09	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		5	01/26/15 15:47	01/27/15 17:09	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**324**	ug/L	100	76.8	1		01/27/15 07:38	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		01/27/15 07:38	994-05-8	
Benzene	**568**	ug/L	250	85.0	50		01/27/15 17:38	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		01/27/15 07:38	624-95-3	
tert-Butyl Alcohol	**83.0J**	ug/L	100	57.7	1		01/27/15 07:38	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		01/27/15 07:38	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		01/27/15 07:38	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		01/27/15 07:38	108-20-3	
Ethanol	ND	ug/L	200	138	1		01/27/15 07:38	64-17-5	
Ethylbenzene	**891**	ug/L	250	80.0	50		01/27/15 17:38	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		01/27/15 07:38	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		01/27/15 07:38	1634-04-4	
Naphthalene	**459**	ug/L	250	100	50		01/27/15 17:38	91-20-3	
Toluene	**6470**	ug/L	250	80.0	50		01/27/15 17:38	108-88-3	
Xylene (Total)	**15000**	ug/L	500	135	50		01/27/15 17:38	1330-20-7	
m&p-Xylene	**9720**	ug/L	500	155	50		01/27/15 17:38	179601-23-1	
o-Xylene	**5310**	ug/L	250	80.0	50		01/27/15 17:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		01/27/15 07:38	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		1		01/27/15 07:38	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		01/27/15 07:38	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: MW-13 **Lab ID: 92234390009** Collected: 01/20/15 13:10 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	01/23/15 16:51	01/24/15 00:57	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	99	%	60-140		1	01/23/15 16:51	01/24/15 00:57	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		01/26/15 21:20	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		01/26/15 21:20	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/26/15 21:20	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		01/26/15 21:20	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		01/26/15 21:20	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		01/26/15 21:20	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		01/26/15 21:20	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		01/26/15 21:20	108-20-3	
Ethanol	ND	ug/L	200	138	1		01/26/15 21:20	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		01/26/15 21:20	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		01/26/15 21:20	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		01/26/15 21:20	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		01/26/15 21:20	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		01/26/15 21:20	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		01/26/15 21:20	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		01/26/15 21:20	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		01/26/15 21:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		01/26/15 21:20	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		01/26/15 21:20	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		01/26/15 21:20	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: MW-14 **Lab ID: 92234390010** Collected: 01/20/15 10:40 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**0.028**	ug/L	0.020	0.020	1	01/23/15 16:51	01/24/15 01:16	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	107	%	60-140		1	01/23/15 16:51	01/24/15 01:16	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**2690**	ug/L	100	76.8	1		01/26/15 21:37	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		01/26/15 21:37	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/26/15 21:37	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		01/26/15 21:37	624-95-3	
tert-Butyl Alcohol	**131**	ug/L	100	57.7	1		01/26/15 21:37	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		01/26/15 21:37	762-75-4	
1,2-Dichloroethane	**12.0**	ug/L	5.0	1.8	1		01/26/15 21:37	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		01/26/15 21:37	108-20-3	
Ethanol	ND	ug/L	200	138	1		01/26/15 21:37	64-17-5	
Ethylbenzene	**8.4**	ug/L	5.0	1.6	1		01/26/15 21:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		01/26/15 21:37	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		01/26/15 21:37	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		01/26/15 21:37	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		01/26/15 21:37	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		01/26/15 21:37	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		01/26/15 21:37	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		01/26/15 21:37	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		01/26/15 21:37	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		01/26/15 21:37	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		01/26/15 21:37	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: MW-15 **Lab ID: 92234390011** Collected: 01/20/15 11:15 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	01/23/15 16:51	01/24/15 01:36	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	101	%	60-140		1	01/23/15 16:51	01/24/15 01:36	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**320**	ug/L	100	76.8	1		01/26/15 21:53	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		01/26/15 21:53	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/26/15 21:53	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		01/26/15 21:53	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		01/26/15 21:53	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		01/26/15 21:53	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		01/26/15 21:53	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		01/26/15 21:53	108-20-3	
Ethanol	ND	ug/L	200	138	1		01/26/15 21:53	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		01/26/15 21:53	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		01/26/15 21:53	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		01/26/15 21:53	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		01/26/15 21:53	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		01/26/15 21:53	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		01/26/15 21:53	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		01/26/15 21:53	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		01/26/15 21:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		01/26/15 21:53	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		01/26/15 21:53	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		01/26/15 21:53	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: MW-16 **Lab ID: 92234390012** Collected: 01/20/15 11:45 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	01/23/15 16:51	01/24/15 01:55	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	98	%	60-140		1	01/23/15 16:51	01/24/15 01:55	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		01/26/15 22:26	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		01/26/15 22:26	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/26/15 22:26	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		01/26/15 22:26	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		01/26/15 22:26	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		01/26/15 22:26	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		01/26/15 22:26	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		01/26/15 22:26	108-20-3	
Ethanol	ND	ug/L	200	138	1		01/26/15 22:26	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		01/26/15 22:26	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		01/26/15 22:26	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		01/26/15 22:26	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		01/26/15 22:26	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		01/26/15 22:26	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		01/26/15 22:26	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		01/26/15 22:26	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		01/26/15 22:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		01/26/15 22:26	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		01/26/15 22:26	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		01/26/15 22:26	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: MW-17R **Lab ID: 92234390013** Collected: 01/20/15 10:48 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.021	1	01/23/15 16:51	01/24/15 02:53	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	104	%	60-140		1	01/23/15 16:51	01/24/15 02:53	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**3890**	ug/L	100	76.8	1		01/27/15 07:54	75-85-4	
tert-Amylmethyl ether	**14.1**	ug/L	10.0	3.4	1		01/27/15 07:54	994-05-8	
Benzene	**3030**	ug/L	250	85.0	50		01/27/15 17:55	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		01/27/15 07:54	624-95-3	
tert-Butyl Alcohol	**208**	ug/L	100	57.7	1		01/27/15 07:54	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		01/27/15 07:54	762-75-4	
1,2-Dichloroethane	**75.7**	ug/L	5.0	1.8	1		01/27/15 07:54	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		01/27/15 07:54	108-20-3	
Ethanol	ND	ug/L	200	138	1		01/27/15 07:54	64-17-5	
Ethylbenzene	**525**	ug/L	250	80.0	50		01/27/15 17:55	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		01/27/15 07:54	637-92-3	
Methyl-tert-butyl ether	**93.0**	ug/L	5.0	1.7	1		01/27/15 07:54	1634-04-4	
Naphthalene	**92.3**	ug/L	5.0	2.0	1		01/27/15 07:54	91-20-3	
Toluene	**2450**	ug/L	250	80.0	50		01/27/15 17:55	108-88-3	
Xylene (Total)	**2560**	ug/L	500	135	50		01/27/15 17:55	1330-20-7	
m&p-Xylene	**1810**	ug/L	500	155	50		01/27/15 17:55	179601-23-1	
o-Xylene	**743**	ug/L	250	80.0	50		01/27/15 17:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/27/15 07:54	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		1		01/27/15 07:54	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		01/27/15 07:54	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: MW-18 **Lab ID: 92234390014** Collected: 01/20/15 11:04 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	01/23/15 17:17	01/24/15 03:51	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	107	%	60-140		1	01/23/15 17:17	01/24/15 03:51	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		01/27/15 03:27	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		01/27/15 03:27	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/27/15 03:27	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		01/27/15 03:27	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		01/27/15 03:27	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		01/27/15 03:27	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		01/27/15 03:27	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		01/27/15 03:27	108-20-3	
Ethanol	ND	ug/L	200	138	1		01/27/15 03:27	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		01/27/15 03:27	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		01/27/15 03:27	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		01/27/15 03:27	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		01/27/15 03:27	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		01/27/15 03:27	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		01/27/15 03:27	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		01/27/15 03:27	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		01/27/15 03:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		1		01/27/15 03:27	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		01/27/15 03:27	17060-07-0	
Toluene-d8 (S)	107	%	70-130		1		01/27/15 03:27	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: MW-19 **Lab ID: 92234390015** Collected: 01/20/15 10:09 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	01/23/15 17:17	01/24/15 04:11	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	99	%	60-140		1	01/23/15 17:17	01/24/15 04:11	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		01/27/15 03:43	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		01/27/15 03:43	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/27/15 03:43	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		01/27/15 03:43	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		01/27/15 03:43	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		01/27/15 03:43	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		01/27/15 03:43	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		01/27/15 03:43	108-20-3	
Ethanol	ND	ug/L	200	138	1		01/27/15 03:43	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		01/27/15 03:43	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		01/27/15 03:43	637-92-3	
Methyl-tert-butyl ether	**4.2J**	ug/L	5.0	1.7	1		01/27/15 03:43	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		01/27/15 03:43	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		01/27/15 03:43	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		01/27/15 03:43	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		01/27/15 03:43	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		01/27/15 03:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		01/27/15 03:43	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		01/27/15 03:43	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		01/27/15 03:43	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: MW-25 **Lab ID: 92234390016** Collected: 01/20/15 10:32 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.021	1	01/23/15 17:17	01/24/15 04:30	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	94	%	60-140		1	01/23/15 17:17	01/24/15 04:30	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		01/27/15 04:17	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		01/27/15 04:17	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/27/15 04:17	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		01/27/15 04:17	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		01/27/15 04:17	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		01/27/15 04:17	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		01/27/15 04:17	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		01/27/15 04:17	108-20-3	
Ethanol	ND	ug/L	200	138	1		01/27/15 04:17	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		01/27/15 04:17	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		01/27/15 04:17	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		01/27/15 04:17	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		01/27/15 04:17	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		01/27/15 04:17	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		01/27/15 04:17	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		01/27/15 04:17	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		01/27/15 04:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		01/27/15 04:17	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		01/27/15 04:17	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		01/27/15 04:17	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: MW-28 **Lab ID: 92234390017** Collected: 01/20/15 09:53 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	01/23/15 17:17	01/24/15 04:49	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	98	%	60-140		1	01/23/15 17:17	01/24/15 04:49	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		01/27/15 04:34	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		01/27/15 04:34	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/27/15 04:34	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		01/27/15 04:34	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		01/27/15 04:34	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		01/27/15 04:34	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		01/27/15 04:34	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		01/27/15 04:34	108-20-3	
Ethanol	ND	ug/L	200	138	1		01/27/15 04:34	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		01/27/15 04:34	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		01/27/15 04:34	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		01/27/15 04:34	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		01/27/15 04:34	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		01/27/15 04:34	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		01/27/15 04:34	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		01/27/15 04:34	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		01/27/15 04:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		01/27/15 04:34	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		01/27/15 04:34	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		01/27/15 04:34	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: TFR-1 **Lab ID: 92234390018** Collected: 01/20/15 14:13 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**78.3**	ug/L	2.0	2.0	100	01/26/15 15:47	01/27/15 17:29	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		100	01/26/15 15:47	01/27/15 17:29	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	1000	768	10		01/27/15 06:14	75-85-4	
tert-Amylmethyl ether	**162**	ug/L	100	34.0	10		01/27/15 06:14	994-05-8	
Benzene	**2510**	ug/L	1000	340	200		01/27/15 16:31	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1000	321	10		01/27/15 06:14	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1000	577	10		01/27/15 06:14	75-65-0	
tert-Butyl Formate	ND	ug/L	500	73.0	10		01/27/15 06:14	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	18.0	10		01/27/15 06:14	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	17.0	10		01/27/15 06:14	108-20-3	
Ethanol	ND	ug/L	2000	1380	10		01/27/15 06:14	64-17-5	
Ethylbenzene	**3230**	ug/L	1000	320	200		01/27/15 16:31	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	100	36.0	10		01/27/15 06:14	637-92-3	
Methyl-tert-butyl ether	**109**	ug/L	50.0	17.0	10		01/27/15 06:14	1634-04-4	
Naphthalene	**346**	ug/L	50.0	20.0	10		01/27/15 06:14	91-20-3	
Toluene	**33900**	ug/L	1000	320	200		01/27/15 16:31	108-88-3	
Xylene (Total)	**21800**	ug/L	2000	540	200		01/27/15 16:31	1330-20-7	
m&p-Xylene	**14900**	ug/L	2000	620	200		01/27/15 16:31	179601-23-1	
o-Xylene	**6910**	ug/L	1000	320	200		01/27/15 16:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		10		01/27/15 06:14	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		10		01/27/15 06:14	17060-07-0	
Toluene-d8 (S)	103	%	70-130		10		01/27/15 06:14	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: TFR-2 **Lab ID: 92234390019** Collected: 01/20/15 14:14 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**0.31**	ug/L	0.019	0.019	1	01/23/15 17:18	01/24/15 05:28	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	108	%	60-140		1	01/23/15 17:18	01/24/15 05:28	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**448**	ug/L	100	76.8	1		01/27/15 08:11	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		01/27/15 08:11	994-05-8	
Benzene	**49.2**	ug/L	5.0	1.7	1		01/27/15 08:11	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		01/27/15 08:11	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		01/27/15 08:11	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		01/27/15 08:11	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		01/27/15 08:11	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		01/27/15 08:11	108-20-3	
Ethanol	ND	ug/L	200	138	1		01/27/15 08:11	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		01/27/15 08:11	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		01/27/15 08:11	637-92-3	
Methyl-tert-butyl ether	**8.1**	ug/L	5.0	1.7	1		01/27/15 08:11	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		01/27/15 08:11	91-20-3	
Toluene	**45.9**	ug/L	5.0	1.6	1		01/27/15 08:11	108-88-3	
Xylene (Total)	**286**	ug/L	10.0	2.7	1		01/27/15 08:11	1330-20-7	
m&p-Xylene	**125**	ug/L	10.0	3.1	1		01/27/15 08:11	179601-23-1	
o-Xylene	**160**	ug/L	5.0	1.6	1		01/27/15 08:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		01/27/15 08:11	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		01/27/15 08:11	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		01/27/15 08:11	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: TFR-3 **Lab ID: 92234390020** Collected: 01/20/15 13:02 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**42.0**	ug/L	0.98	0.98	50	01/26/15 15:47	01/27/15 17:48	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		50	01/26/15 15:47	01/27/15 17:48	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	1000	768	10		01/27/15 06:31	75-85-4	
tert-Amylmethyl ether	ND	ug/L	100	34.0	10		01/27/15 06:31	994-05-8	
Benzene	**569**	ug/L	50.0	17.0	10		01/27/15 06:31	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1000	321	10		01/27/15 06:31	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1000	577	10		01/27/15 06:31	75-65-0	
tert-Butyl Formate	ND	ug/L	500	73.0	10		01/27/15 06:31	762-75-4	
1,2-Dichloroethane	**28.5J**	ug/L	50.0	18.0	10		01/27/15 06:31	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	17.0	10		01/27/15 06:31	108-20-3	
Ethanol	ND	ug/L	2000	1380	10		01/27/15 06:31	64-17-5	
Ethylbenzene	**112**	ug/L	50.0	16.0	10		01/27/15 06:31	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	100	36.0	10		01/27/15 06:31	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	50.0	17.0	10		01/27/15 06:31	1634-04-4	
Naphthalene	**170**	ug/L	50.0	20.0	10		01/27/15 06:31	91-20-3	
Toluene	**2090**	ug/L	100	32.0	20		01/27/15 16:48	108-88-3	
Xylene (Total)	**9370**	ug/L	200	54.0	20		01/27/15 16:48	1330-20-7	
m&p-Xylene	**6080**	ug/L	200	62.0	20		01/27/15 16:48	179601-23-1	
o-Xylene	**3290**	ug/L	100	32.0	20		01/27/15 16:48	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		10		01/27/15 06:31	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		10		01/27/15 06:31	17060-07-0	
Toluene-d8 (S)	106	%	70-130		10		01/27/15 06:31	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: TFR-4 **Lab ID: 92234390021** Collected: 01/20/15 13:40 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**113**	ug/L	3.8	3.8	200	01/26/15 15:47	01/27/15 18:08	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		200	01/26/15 15:47	01/27/15 18:08	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**742**	ug/L	100	76.8	1		01/27/15 04:50	75-85-4	
tert-Amylmethyl ether	**58.6**	ug/L	10.0	3.4	1		01/27/15 04:50	994-05-8	
Benzene	**4350**	ug/L	1250	425	250		01/27/15 16:15	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		01/27/15 04:50	624-95-3	
tert-Butyl Alcohol	**94.5J**	ug/L	100	57.7	1		01/27/15 04:50	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		01/27/15 04:50	762-75-4	
1,2-Dichloroethane	**18.9**	ug/L	5.0	1.8	1		01/27/15 04:50	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		01/27/15 04:50	108-20-3	
Ethanol	ND	ug/L	200	138	1		01/27/15 04:50	64-17-5	
Ethylbenzene	**1840**	ug/L	1250	400	250		01/27/15 16:15	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		01/27/15 04:50	637-92-3	
Methyl-tert-butyl ether	**58.5**	ug/L	5.0	1.7	1		01/27/15 04:50	1634-04-4	
Naphthalene	ND	ug/L	1250	500	250		01/27/15 16:15	91-20-3	
Toluene	**21200**	ug/L	1250	400	250		01/27/15 16:15	108-88-3	
Xylene (Total)	**23200**	ug/L	2500	675	250		01/27/15 16:15	1330-20-7	
m&p-Xylene	**15700**	ug/L	2500	775	250		01/27/15 16:15	179601-23-1	
o-Xylene	**7460**	ug/L	1250	400	250		01/27/15 16:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		01/27/15 04:50	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		01/27/15 04:50	17060-07-0	
Toluene-d8 (S)	77	%	70-130		1		01/27/15 04:50	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: TFR-10 **Lab ID: 92234390022** Collected: 01/20/15 12:40 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**14.7**	ug/L	0.40	0.40	20	01/26/15 15:47	01/27/15 18:27	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		20	01/26/15 15:47	01/27/15 18:27	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**9810**	ug/L	5000	3840	50		01/27/15 18:11	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		01/27/15 08:28	994-05-8	
Benzene	**3280**	ug/L	250	85.0	50		01/27/15 18:11	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		01/27/15 08:28	624-95-3	
tert-Butyl Alcohol	**250**	ug/L	100	57.7	1		01/27/15 08:28	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		01/27/15 08:28	762-75-4	
1,2-Dichloroethane	**92.5**	ug/L	5.0	1.8	1		01/27/15 08:28	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		01/27/15 08:28	108-20-3	
Ethanol	ND	ug/L	200	138	1		01/27/15 08:28	64-17-5	
Ethylbenzene	**565**	ug/L	250	80.0	50		01/27/15 18:11	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		01/27/15 08:28	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		01/27/15 08:28	1634-04-4	
Naphthalene	**108**	ug/L	5.0	2.0	1		01/27/15 08:28	91-20-3	
Toluene	**7400**	ug/L	250	80.0	50		01/27/15 18:11	108-88-3	
Xylene (Total)	**4100**	ug/L	500	135	50		01/27/15 18:11	1330-20-7	
m&p-Xylene	**2810**	ug/L	500	155	50		01/27/15 18:11	179601-23-1	
o-Xylene	**1290**	ug/L	250	80.0	50		01/27/15 18:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/27/15 08:28	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		1		01/27/15 08:28	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		01/27/15 08:28	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: TFR-12 **Lab ID: 92234390023** Collected: 01/20/15 12:35 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**127**	ug/L	3.9	3.9	200	01/26/15 15:47	01/28/15 10:29	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		200	01/26/15 15:47	01/28/15 10:29	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	50000	38400	500		01/27/15 18:28	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		01/27/15 08:45	994-05-8	
Benzene	**7840**	ug/L	2500	850	500		01/27/15 18:28	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		01/27/15 08:45	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		01/27/15 08:45	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		01/27/15 08:45	762-75-4	
1,2-Dichloroethane	**141**	ug/L	5.0	1.8	1		01/27/15 08:45	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		01/27/15 08:45	108-20-3	
Ethanol	ND	ug/L	200	138	1		01/27/15 08:45	64-17-5	
Ethylbenzene	**1180J**	ug/L	2500	800	500		01/27/15 18:28	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		01/27/15 08:45	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		01/27/15 08:45	1634-04-4	
Naphthalene	ND	ug/L	2500	1000	500		01/27/15 18:28	91-20-3	
Toluene	**23600**	ug/L	2500	800	500		01/27/15 18:28	108-88-3	
Xylene (Total)	**8060**	ug/L	5000	1350	500		01/27/15 18:28	1330-20-7	
m&p-Xylene	**5530**	ug/L	5000	1550	500		01/27/15 18:28	179601-23-1	
o-Xylene	**2530**	ug/L	2500	800	500		01/27/15 18:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		01/27/15 08:45	460-00-4	
1,2-Dichloroethane-d4 (S)	84	%	70-130		1		01/27/15 08:45	17060-07-0	
Toluene-d8 (S)	70	%	70-130		1		01/27/15 08:45	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: MW-1R DUP **Lab ID: 92234390024** Collected: 01/20/15 14:28 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**3.1**	ug/L	0.096	0.096	5	01/26/15 15:47	01/27/15 19:05	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		5	01/26/15 15:47	01/27/15 19:05	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	1000	768	10		01/27/15 06:47	75-85-4	
tert-Amylmethyl ether	ND	ug/L	100	34.0	10		01/27/15 06:47	994-05-8	
Benzene	**1030**	ug/L	50.0	17.0	10		01/27/15 06:47	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1000	321	10		01/27/15 06:47	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1000	577	10		01/27/15 06:47	75-65-0	
tert-Butyl Formate	ND	ug/L	500	73.0	10		01/27/15 06:47	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	18.0	10		01/27/15 06:47	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	17.0	10		01/27/15 06:47	108-20-3	
Ethanol	ND	ug/L	2000	1380	10		01/27/15 06:47	64-17-5	
Ethylbenzene	**2950**	ug/L	1250	400	250		01/27/15 17:05	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	100	36.0	10		01/27/15 06:47	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	50.0	17.0	10		01/27/15 06:47	1634-04-4	
Naphthalene	**375**	ug/L	50.0	20.0	10		01/27/15 06:47	91-20-3	
Toluene	**20100**	ug/L	1250	400	250		01/27/15 17:05	108-88-3	
Xylene (Total)	**14800**	ug/L	2500	675	250		01/27/15 17:05	1330-20-7	
m&p-Xylene	**10300**	ug/L	2500	775	250		01/27/15 17:05	179601-23-1	
o-Xylene	**4490**	ug/L	1250	400	250		01/27/15 17:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		10		01/27/15 06:47	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		10		01/27/15 06:47	17060-07-0	
Toluene-d8 (S)	106	%	70-130		10		01/27/15 06:47	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: MW-7 DUP **Lab ID: 92234390025** Collected: 01/20/15 13:36 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**154**	ug/L	3.8	3.8	200	01/26/15 15:47	01/27/15 19:24	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		200	01/26/15 15:47	01/27/15 19:24	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**6680**	ug/L	2000	1540	20		01/27/15 07:04	75-85-4	
tert-Amylmethyl ether	ND	ug/L	200	68.0	20		01/27/15 07:04	994-05-8	
Benzene	**14700**	ug/L	2500	850	500		01/27/15 17:21	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2000	642	20		01/27/15 07:04	624-95-3	
tert-Butyl Alcohol	**1850J**	ug/L	2000	1150	20		01/27/15 07:04	75-65-0	
tert-Butyl Formate	ND	ug/L	1000	146	20		01/27/15 07:04	762-75-4	
1,2-Dichloroethane	ND	ug/L	100	36.0	20		01/27/15 07:04	107-06-2	
Diisopropyl ether	ND	ug/L	100	34.0	20		01/27/15 07:04	108-20-3	
Ethanol	ND	ug/L	4000	2760	20		01/27/15 07:04	64-17-5	
Ethylbenzene	**4160**	ug/L	2500	800	500		01/27/15 17:21	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	200	72.0	20		01/27/15 07:04	637-92-3	
Methyl-tert-butyl ether	**1000**	ug/L	100	34.0	20		01/27/15 07:04	1634-04-4	
Naphthalene	ND	ug/L	2500	1000	500		01/27/15 17:21	91-20-3	
Toluene	**50900**	ug/L	2500	800	500		01/27/15 17:21	108-88-3	
Xylene (Total)	**28100**	ug/L	5000	1350	500		01/27/15 17:21	1330-20-7	
m&p-Xylene	**19200**	ug/L	5000	1550	500		01/27/15 17:21	179601-23-1	
o-Xylene	**8990**	ug/L	2500	800	500		01/27/15 17:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		20		01/27/15 07:04	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		20		01/27/15 07:04	17060-07-0	
Toluene-d8 (S)	96	%	70-130		20		01/27/15 07:04	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: FIELD BLANK **Lab ID: 92234390026** Collected: 01/20/15 15:15 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	01/23/15 17:18	01/24/15 07:44	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	102	%	60-140		1	01/23/15 17:18	01/24/15 07:44	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		01/27/15 20:24	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		01/27/15 20:24	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/27/15 20:24	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		01/27/15 20:24	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		01/27/15 20:24	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		01/27/15 20:24	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		01/27/15 20:24	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		01/27/15 20:24	108-20-3	
Ethanol	ND	ug/L	200	138	1		01/27/15 20:24	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		01/27/15 20:24	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		01/27/15 20:24	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		01/27/15 20:24	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		01/27/15 20:24	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		01/27/15 20:24	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		01/27/15 20:24	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		01/27/15 20:24	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		01/27/15 20:24	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		01/27/15 20:24	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		01/27/15 20:24	17060-07-0	
Toluene-d8 (S)	107	%	70-130		1		01/27/15 20:24	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Sample: TRIP BLANK **Lab ID: 92234390027** Collected: 01/20/15 15:16 Received: 01/21/15 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		01/27/15 20:41	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		01/27/15 20:41	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/27/15 20:41	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		01/27/15 20:41	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		01/27/15 20:41	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		01/27/15 20:41	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		01/27/15 20:41	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		01/27/15 20:41	108-20-3	
Ethanol	ND	ug/L	200	138	1		01/27/15 20:41	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		01/27/15 20:41	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		01/27/15 20:41	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		01/27/15 20:41	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		01/27/15 20:41	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		01/27/15 20:41	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		01/27/15 20:41	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		01/27/15 20:41	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		01/27/15 20:41	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		01/27/15 20:41	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		01/27/15 20:41	17060-07-0	
Toluene-d8 (S)	108	%	70-130		1		01/27/15 20:41	2037-26-5	

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QUALITY CONTROL DATA

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

QC Batch: MSV/30129 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92234390002, 92234390003

METHOD BLANK: 1377602 Matrix: Water
Associated Lab Samples: 92234390002, 92234390003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	01/26/15 14:41	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	01/26/15 14:41	
Benzene	ug/L	ND	5.0	01/26/15 14:41	
Diisopropyl ether	ug/L	ND	5.0	01/26/15 14:41	
Ethanol	ug/L	ND	200	01/26/15 14:41	
Ethyl-tert-butyl ether	ug/L	ND	10.0	01/26/15 14:41	
Ethylbenzene	ug/L	ND	5.0	01/26/15 14:41	
m&p-Xylene	ug/L	ND	10.0	01/26/15 14:41	
Methyl-tert-butyl ether	ug/L	ND	5.0	01/26/15 14:41	
Naphthalene	ug/L	ND	5.0	01/26/15 14:41	
o-Xylene	ug/L	ND	5.0	01/26/15 14:41	
tert-Amyl Alcohol	ug/L	ND	100	01/26/15 14:41	
tert-Amylmethyl ether	ug/L	ND	10.0	01/26/15 14:41	
tert-Butyl Alcohol	ug/L	ND	100	01/26/15 14:41	
tert-Butyl Formate	ug/L	ND	50.0	01/26/15 14:41	
Toluene	ug/L	ND	5.0	01/26/15 14:41	
Xylene (Total)	ug/L	ND	10.0	01/26/15 14:41	
1,2-Dichloroethane-d4 (S)	%	101	70-130	01/26/15 14:41	
4-Bromofluorobenzene (S)	%	106	70-130	01/26/15 14:41	
Toluene-d8 (S)	%	106	70-130	01/26/15 14:41	

LABORATORY CONTROL SAMPLE: 1377603

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	52.0	104	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1000	100	70-130	
Benzene	ug/L	50	57.0	114	70-130	
Diisopropyl ether	ug/L	50	49.8	100	70-130	
Ethanol	ug/L	2000	2530	126	70-130	
Ethyl-tert-butyl ether	ug/L	100	118	118	70-130	
Ethylbenzene	ug/L	50	51.5	103	70-130	
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	54.3	109	70-130	
Naphthalene	ug/L	50	48.4	97	70-130	
o-Xylene	ug/L	50	51.5	103	70-130	
tert-Amyl Alcohol	ug/L	1000	1100	110	70-130	
tert-Amylmethyl ether	ug/L	100	123	123	70-130	
tert-Butyl Alcohol	ug/L	500	536	107	70-130	
tert-Butyl Formate	ug/L	400	483	121	70-130	
Toluene	ug/L	50	53.1	106	70-130	

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QUALITY CONTROL DATA

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

LABORATORY CONTROL SAMPLE: 1377603

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	158	105	70-130	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 1377604

Parameter	Units	92234382006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	22.2	111	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	381	95	70-130	
Benzene	ug/L	ND	20	25.3	126	70-130	
Diisopropyl ether	ug/L	ND	20	18.5	93	70-130	
Ethanol	ug/L	ND	800	969	121	70-130	
Ethyl-tert-butyl ether	ug/L	ND	40	44.1	110	70-130	
Ethylbenzene	ug/L	ND	20	22.9	115	70-130	
m&p-Xylene	ug/L	ND	40	50.3	126	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	21.0	105	70-130	
Naphthalene	ug/L	ND	20	22.3	112	70-130	
o-Xylene	ug/L	ND	20	24.2	121	70-130	
tert-Amyl Alcohol	ug/L	ND	400	597	149	70-130	M0
tert-Amylmethyl ether	ug/L	ND	40	47.6	119	70-130	
tert-Butyl Alcohol	ug/L	ND	200	297	148	70-130	M0
tert-Butyl Formate	ug/L	ND	160	ND	0	70-130	P5
Toluene	ug/L	ND	20	31.5	158	70-130	M0
1,2-Dichloroethane-d4 (S)	%				98	70-130	
4-Bromofluorobenzene (S)	%				106	70-130	
Toluene-d8 (S)	%				104	70-130	

SAMPLE DUPLICATE: 1377605

Parameter	Units	92234382007 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

SAMPLE DUPLICATE: 1377605

Parameter	Units	92234382007 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	103	101	1		
4-Bromofluorobenzene (S)	%	109	108	1		
Toluene-d8 (S)	%	105	105	1		

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QUALITY CONTROL DATA

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

QC Batch: MSV/30130 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92234390001, 92234390004, 92234390005, 92234390006, 92234390009, 92234390010, 92234390011, 92234390012

METHOD BLANK: 1377606 Matrix: Water
Associated Lab Samples: 92234390001, 92234390004, 92234390005, 92234390006, 92234390009, 92234390010, 92234390011, 92234390012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	01/26/15 14:57	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	01/26/15 14:57	
Benzene	ug/L	ND	5.0	01/26/15 14:57	
Diisopropyl ether	ug/L	ND	5.0	01/26/15 14:57	
Ethanol	ug/L	ND	200	01/26/15 14:57	
Ethyl-tert-butyl ether	ug/L	ND	10.0	01/26/15 14:57	
Ethylbenzene	ug/L	ND	5.0	01/26/15 14:57	
m&p-Xylene	ug/L	ND	10.0	01/26/15 14:57	
Methyl-tert-butyl ether	ug/L	ND	5.0	01/26/15 14:57	
Naphthalene	ug/L	ND	5.0	01/26/15 14:57	
o-Xylene	ug/L	ND	5.0	01/26/15 14:57	
tert-Amyl Alcohol	ug/L	ND	100	01/26/15 14:57	
tert-Amylmethyl ether	ug/L	ND	10.0	01/26/15 14:57	
tert-Butyl Alcohol	ug/L	ND	100	01/26/15 14:57	
tert-Butyl Formate	ug/L	ND	50.0	01/26/15 14:57	
Toluene	ug/L	ND	5.0	01/26/15 14:57	
Xylene (Total)	ug/L	ND	10.0	01/26/15 14:57	
1,2-Dichloroethane-d4 (S)	%	100	70-130	01/26/15 14:57	
4-Bromofluorobenzene (S)	%	106	70-130	01/26/15 14:57	
Toluene-d8 (S)	%	106	70-130	01/26/15 14:57	

LABORATORY CONTROL SAMPLE: 1377607

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	52.2	104	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	964	96	70-130	
Benzene	ug/L	50	55.1	110	70-130	
Diisopropyl ether	ug/L	50	49.0	98	70-130	
Ethanol	ug/L	2000	2620	131	70-130	L3
Ethyl-tert-butyl ether	ug/L	100	117	117	70-130	
Ethylbenzene	ug/L	50	49.4	99	70-130	
m&p-Xylene	ug/L	100	100	100	70-130	
Methyl-tert-butyl ether	ug/L	50	55.0	110	70-130	
Naphthalene	ug/L	50	48.0	96	70-130	
o-Xylene	ug/L	50	49.1	98	70-130	
tert-Amyl Alcohol	ug/L	1000	1080	108	70-130	
tert-Amylmethyl ether	ug/L	100	120	120	70-130	
tert-Butyl Alcohol	ug/L	500	536	107	70-130	

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QUALITY CONTROL DATA

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

LABORATORY CONTROL SAMPLE: 1377607

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Formate	ug/L	400	485	121	70-130	
Toluene	ug/L	50	51.1	102	70-130	
Xylene (Total)	ug/L	150	150	100	70-130	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 1377608

Parameter	Units	92234390010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	12.0	20	35.5	117	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	467	117	70-130	
Benzene	ug/L	ND	20	28.0	136	70-130	M0
Diisopropyl ether	ug/L	ND	20	21.4	107	70-130	
Ethanol	ug/L	ND	800	1340	167	70-130	M0
Ethyl-tert-butyl ether	ug/L	ND	40	50.9	127	70-130	
Ethylbenzene	ug/L	8.4	20	32.6	121	70-130	
m&p-Xylene	ug/L	ND	40	49.6	124	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	24.0	120	70-130	
Naphthalene	ug/L	ND	20	25.1	125	70-130	
o-Xylene	ug/L	ND	20	24.1	120	70-130	
tert-Amyl Alcohol	ug/L	2690	400	3460	192	70-130	M0
tert-Amylmethyl ether	ug/L	ND	40	53.0	133	70-130	M0
tert-Butyl Alcohol	ug/L	131	200	461	165	70-130	M0
tert-Butyl Formate	ug/L	ND	160	ND	0	70-130	P5
Toluene	ug/L	ND	20	28.0	140	70-130	M0
1,2-Dichloroethane-d4 (S)	%				97	70-130	
4-Bromofluorobenzene (S)	%				104	70-130	
Toluene-d8 (S)	%				102	70-130	

SAMPLE DUPLICATE: 1377609

Parameter	Units	92234390011 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

SAMPLE DUPLICATE: 1377609

Parameter	Units	92234390011 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Amyl Alcohol	ug/L	320	172	60	30	R1
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	102	101	1		
4-Bromofluorobenzene (S)	%	108	107	1		
Toluene-d8 (S)	%	105	107	2		

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QUALITY CONTROL DATA

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

QC Batch: MSV/30131 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92234390007, 92234390008, 92234390013, 92234390014, 92234390015, 92234390016, 92234390017, 92234390018, 92234390019, 92234390020, 92234390021, 92234390022, 92234390023, 92234390024, 92234390025

METHOD BLANK: 1377752 Matrix: Water
Associated Lab Samples: 92234390007, 92234390008, 92234390013, 92234390014, 92234390015, 92234390016, 92234390017, 92234390018, 92234390019, 92234390020, 92234390021, 92234390022, 92234390023, 92234390024, 92234390025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	01/27/15 02:37	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	01/27/15 02:37	
Benzene	ug/L	ND	5.0	01/27/15 02:37	
Diisopropyl ether	ug/L	ND	5.0	01/27/15 02:37	
Ethanol	ug/L	189J	200	01/27/15 02:37	
Ethyl-tert-butyl ether	ug/L	ND	10.0	01/27/15 02:37	
Ethylbenzene	ug/L	ND	5.0	01/27/15 02:37	
m&p-Xylene	ug/L	ND	10.0	01/27/15 02:37	
Methyl-tert-butyl ether	ug/L	ND	5.0	01/27/15 02:37	
Naphthalene	ug/L	ND	5.0	01/27/15 02:37	
o-Xylene	ug/L	ND	5.0	01/27/15 02:37	
tert-Amyl Alcohol	ug/L	ND	100	01/27/15 02:37	
tert-Amylmethyl ether	ug/L	ND	10.0	01/27/15 02:37	
tert-Butyl Alcohol	ug/L	ND	100	01/27/15 02:37	
tert-Butyl Formate	ug/L	ND	50.0	01/27/15 02:37	
Toluene	ug/L	ND	5.0	01/27/15 02:37	
Xylene (Total)	ug/L	ND	10.0	01/27/15 02:37	
1,2-Dichloroethane-d4 (S)	%	96	70-130	01/27/15 02:37	
4-Bromofluorobenzene (S)	%	109	70-130	01/27/15 02:37	
Toluene-d8 (S)	%	107	70-130	01/27/15 02:37	

LABORATORY CONTROL SAMPLE: 1377753

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	55.1	110	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	994	99	70-130	
Benzene	ug/L	50	60.7	121	70-130	
Diisopropyl ether	ug/L	50	51.2	102	70-130	
Ethanol	ug/L	2000	3210	160	70-130	L3
Ethyl-tert-butyl ether	ug/L	100	124	124	70-130	
Ethylbenzene	ug/L	50	51.2	102	70-130	
m&p-Xylene	ug/L	100	105	105	70-130	
Methyl-tert-butyl ether	ug/L	50	59.0	118	70-130	
Naphthalene	ug/L	50	48.4	97	70-130	
o-Xylene	ug/L	50	51.1	102	70-130	
tert-Amyl Alcohol	ug/L	1000	1170	117	70-130	

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QUALITY CONTROL DATA

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

LABORATORY CONTROL SAMPLE: 1377753

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Amylmethyl ether	ug/L	100	127	127	70-130	
tert-Butyl Alcohol	ug/L	500	576	115	70-130	
tert-Butyl Formate	ug/L	400	520	130	70-130	
Toluene	ug/L	50	56.1	112	70-130	
Xylene (Total)	ug/L	150	156	104	70-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 1377756

Parameter	Units	92234390014 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	23.4	117	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	518	129	70-130	
Benzene	ug/L	ND	20	25.4	127	70-130	
Diisopropyl ether	ug/L	ND	20	20.9	104	70-130	
Ethanol	ug/L	ND	800	2210	272	70-130	M0
Ethyl-tert-butyl ether	ug/L	ND	40	49.7	124	70-130	
Ethylbenzene	ug/L	ND	20	20.1	100	70-130	
m&p-Xylene	ug/L	ND	40	41.4	103	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	23.5	118	70-130	
Naphthalene	ug/L	ND	20	16.6	83	70-130	
o-Xylene	ug/L	ND	20	20.2	101	70-130	
tert-Amyl Alcohol	ug/L	ND	400	633	158	70-130	M0
tert-Amylmethyl ether	ug/L	ND	40	51.9	130	70-130	
tert-Butyl Alcohol	ug/L	ND	200	409	205	70-130	M0
tert-Butyl Formate	ug/L	ND	160	ND	0	70-130	P5
Toluene	ug/L	ND	20	23.5	117	70-130	
1,2-Dichloroethane-d4 (S)	%				97	70-130	
4-Bromofluorobenzene (S)	%				104	70-130	
Toluene-d8 (S)	%				103	70-130	

SAMPLE DUPLICATE: 1377757

Parameter	Units	92234390015 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	4.2J	4.1J		30	

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QUALITY CONTROL DATA

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

SAMPLE DUPLICATE: 1377757

Parameter	Units	92234390015 Result	Dup Result	RPD	Max RPD	Qualifiers
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	106	102	4		
4-Bromofluorobenzene (S)	%	106	107	2		
Toluene-d8 (S)	%	106	106	1		

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QUALITY CONTROL DATA

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

QC Batch: MSV/30141 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92234390026, 92234390027

METHOD BLANK: 1378452 Matrix: Water
Associated Lab Samples: 92234390026, 92234390027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	01/27/15 20:08	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	01/27/15 20:08	
Benzene	ug/L	ND	5.0	01/27/15 20:08	
Diisopropyl ether	ug/L	ND	5.0	01/27/15 20:08	
Ethanol	ug/L	ND	200	01/27/15 20:08	
Ethyl-tert-butyl ether	ug/L	ND	10.0	01/27/15 20:08	
Ethylbenzene	ug/L	ND	5.0	01/27/15 20:08	
m&p-Xylene	ug/L	ND	10.0	01/27/15 20:08	
Methyl-tert-butyl ether	ug/L	ND	5.0	01/27/15 20:08	
Naphthalene	ug/L	ND	5.0	01/27/15 20:08	
o-Xylene	ug/L	ND	5.0	01/27/15 20:08	
tert-Amyl Alcohol	ug/L	ND	100	01/27/15 20:08	
tert-Amylmethyl ether	ug/L	ND	10.0	01/27/15 20:08	
tert-Butyl Alcohol	ug/L	ND	100	01/27/15 20:08	
tert-Butyl Formate	ug/L	ND	50.0	01/27/15 20:08	
Toluene	ug/L	ND	5.0	01/27/15 20:08	
Xylene (Total)	ug/L	ND	10.0	01/27/15 20:08	
1,2-Dichloroethane-d4 (S)	%	107	70-130	01/27/15 20:08	
4-Bromofluorobenzene (S)	%	108	70-130	01/27/15 20:08	
Toluene-d8 (S)	%	106	70-130	01/27/15 20:08	

LABORATORY CONTROL SAMPLE: 1378453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	54.9	110	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1020	102	70-130	
Benzene	ug/L	50	60.2	120	70-130	
Diisopropyl ether	ug/L	50	51.8	104	70-130	
Ethanol	ug/L	2000	3250	162	70-130	L3
Ethyl-tert-butyl ether	ug/L	100	126	126	70-130	
Ethylbenzene	ug/L	50	50.6	101	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl-tert-butyl ether	ug/L	50	59.7	119	70-130	
Naphthalene	ug/L	50	47.6	95	70-130	
o-Xylene	ug/L	50	51.0	102	70-130	
tert-Amyl Alcohol	ug/L	1000	1200	120	70-130	
tert-Amylmethyl ether	ug/L	100	127	127	70-130	
tert-Butyl Alcohol	ug/L	500	603	121	70-130	
tert-Butyl Formate	ug/L	400	560	140	70-130	L3
Toluene	ug/L	50	55.8	112	70-130	

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REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

LABORATORY CONTROL SAMPLE: 1378453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	155	103	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			101	70-130	

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QUALITY CONTROL DATA

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

QC Batch: OEXT/32498 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92234390002, 92234390003, 92234390004, 92234390007, 92234390009, 92234390010, 92234390011, 92234390012, 92234390013

METHOD BLANK: 1376820 Matrix: Water
Associated Lab Samples: 92234390002, 92234390003, 92234390004, 92234390007, 92234390009, 92234390010, 92234390011, 92234390012, 92234390013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	01/23/15 19:08	
1-Chloro-2-bromopropane (S)	%	101	60-140	01/23/15 19:08	

LABORATORY CONTROL SAMPLE & LCSD: 1376821 1376822

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.29	0.29	0.31	102	106	60-140	4	20	
1-Chloro-2-bromopropane (S)	%				103	107	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1376823 1376824

Parameter	Units	92234390012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	.29	.29	0.31	0.32	104	108	60-140	4	20	
1-Chloro-2-bromopropane (S)	%						101	105	60-140			

SAMPLE DUPLICATE: 1376825

Parameter	Units	92234390013 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	104	105	4		

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QUALITY CONTROL DATA

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

QC Batch: OEXT/32499 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92234390014, 92234390015, 92234390016, 92234390017, 92234390019, 92234390026

METHOD BLANK: 1376827 Matrix: Water
Associated Lab Samples: 92234390014, 92234390015, 92234390016, 92234390017, 92234390019, 92234390026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	01/23/15 21:42	
1-Chloro-2-bromopropane (S)	%	97	60-140	01/23/15 21:42	

LABORATORY CONTROL SAMPLE & LCSD: 1376828 1376829

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.29	0.28	0.29	96	102	60-140	4	20	
1-Chloro-2-bromopropane (S)	%				99	99	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1376830 1376831

Parameter	Units	92233952003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	.29	.29	0.38	0.36	132	126	60-140	5	20	
1-Chloro-2-bromopropane (S)	%						106	100	60-140			

SAMPLE DUPLICATE: 1376832

Parameter	Units	92233952004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.80	0.80	1	20	
1-Chloro-2-bromopropane (S)	%	95	98	3		

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QUALITY CONTROL DATA

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

QC Batch: OEXT/32520 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92234390001, 92234390005, 92234390006, 92234390008, 92234390018, 92234390020, 92234390021, 92234390022, 92234390023, 92234390024, 92234390025

METHOD BLANK: 1377595 Matrix: Water
Associated Lab Samples: 92234390001, 92234390005, 92234390006, 92234390008, 92234390018, 92234390020, 92234390021, 92234390022, 92234390023, 92234390024, 92234390025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	01/27/15 13:35	
1-Chloro-2-bromopropane (S)	%	102	60-140	01/27/15 13:35	

LABORATORY CONTROL SAMPLE & LCSD: 1377596 1377597

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.29	0.30	0.28	106	100	60-140	7	20	
1-Chloro-2-bromopropane (S)	%				102	99	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1377598 1377599

Parameter	Units	92233952007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	2.7	.28	.28	2.5	2.6	-67	-31	60-140	4	20	M3
1-Chloro-2-bromopropane (S)	%						106	111	60-140			

SAMPLE DUPLICATE: 1377600

Parameter	Units	92233952008 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	104	109	4		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
P5	The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92234390001	MW-1R	EPA 8011	OEXT/32520	EPA 8011	GCSV/20180
92234390002	MW-2	EPA 8011	OEXT/32498	EPA 8011	GCSV/20169
92234390003	MW-3	EPA 8011	OEXT/32498	EPA 8011	GCSV/20169
92234390004	MW-5D	EPA 8011	OEXT/32498	EPA 8011	GCSV/20169
92234390005	MW-7	EPA 8011	OEXT/32520	EPA 8011	GCSV/20180
92234390006	MW-8	EPA 8011	OEXT/32520	EPA 8011	GCSV/20180
92234390007	MW-11	EPA 8011	OEXT/32498	EPA 8011	GCSV/20169
92234390008	MW-12	EPA 8011	OEXT/32520	EPA 8011	GCSV/20180
92234390009	MW-13	EPA 8011	OEXT/32498	EPA 8011	GCSV/20169
92234390010	MW-14	EPA 8011	OEXT/32498	EPA 8011	GCSV/20169
92234390011	MW-15	EPA 8011	OEXT/32498	EPA 8011	GCSV/20169
92234390012	MW-16	EPA 8011	OEXT/32498	EPA 8011	GCSV/20169
92234390013	MW-17R	EPA 8011	OEXT/32498	EPA 8011	GCSV/20169
92234390014	MW-18	EPA 8011	OEXT/32499	EPA 8011	GCSV/20170
92234390015	MW-19	EPA 8011	OEXT/32499	EPA 8011	GCSV/20170
92234390016	MW-25	EPA 8011	OEXT/32499	EPA 8011	GCSV/20170
92234390017	MW-28	EPA 8011	OEXT/32499	EPA 8011	GCSV/20170
92234390018	TFR-1	EPA 8011	OEXT/32520	EPA 8011	GCSV/20180
92234390019	TFR-2	EPA 8011	OEXT/32499	EPA 8011	GCSV/20170
92234390020	TFR-3	EPA 8011	OEXT/32520	EPA 8011	GCSV/20180
92234390021	TFR-4	EPA 8011	OEXT/32520	EPA 8011	GCSV/20180
92234390022	TFR-10	EPA 8011	OEXT/32520	EPA 8011	GCSV/20180
92234390023	TFR-12	EPA 8011	OEXT/32520	EPA 8011	GCSV/20180
92234390024	MW-1R DUP	EPA 8011	OEXT/32520	EPA 8011	GCSV/20180
92234390025	MW-7 DUP	EPA 8011	OEXT/32520	EPA 8011	GCSV/20180
92234390026	FIELD BLANK	EPA 8011	OEXT/32499	EPA 8011	GCSV/20170
92234390001	MW-1R	EPA 8260	MSV/30130		
92234390002	MW-2	EPA 8260	MSV/30129		
92234390003	MW-3	EPA 8260	MSV/30129		
92234390004	MW-5D	EPA 8260	MSV/30130		
92234390005	MW-7	EPA 8260	MSV/30130		
92234390006	MW-8	EPA 8260	MSV/30130		
92234390007	MW-11	EPA 8260	MSV/30131		
92234390008	MW-12	EPA 8260	MSV/30131		
92234390009	MW-13	EPA 8260	MSV/30130		
92234390010	MW-14	EPA 8260	MSV/30130		
92234390011	MW-15	EPA 8260	MSV/30130		
92234390012	MW-16	EPA 8260	MSV/30130		
92234390013	MW-17R	EPA 8260	MSV/30131		
92234390014	MW-18	EPA 8260	MSV/30131		
92234390015	MW-19	EPA 8260	MSV/30131		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HQ Heath Self Serv 08932/49020
Pace Project No.: 92234390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92234390016	MW-25	EPA 8260	MSV/30131		
92234390017	MW-28	EPA 8260	MSV/30131		
92234390018	TFR-1	EPA 8260	MSV/30131		
92234390019	TFR-2	EPA 8260	MSV/30131		
92234390020	TFR-3	EPA 8260	MSV/30131		
92234390021	TFR-4	EPA 8260	MSV/30131		
92234390022	TFR-10	EPA 8260	MSV/30131		
92234390023	TFR-12	EPA 8260	MSV/30131		
92234390024	MW-1R DUP	EPA 8260	MSV/30131		
92234390025	MW-7 DUP	EPA 8260	MSV/30131		
92234390026	FIELD BLANK	EPA 8260	MSV/30141		
92234390027	TRIP BLANK	EPA 8260	MSV/30141		

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Pace Analytical	Sample Condition Upon Receipt (SCUR)	Page 1 of 2
	Document Number: F-CHR-CS-003-rev.15	Issuing Authority: Pace Huntersville Quality Office

Client Name: SCDHEC

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals Intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other_____

Thermometer Used: IR Gun T1401 Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Temp Correction Factor T1401 No Correction

Corrected Cooler Temp.: 3.6 °C Biological Tissue is Frozen: Yes No N/A

Date and Initials of person examining contents: AT 1-21-15

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☐Yes ☐No ☐N/A	12. NV dates or time on bottles
-Includes date/time/ID/Analysis Matrix:_____		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased):_____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted:_____ Date/Time:_____

Comments/ Resolution:_____

SCURF Review:	AMB	Date:	1-21-15
SRF Review:	AMB	Date:	1-21-15

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

WO#: 92234390

92234390

...ber available)

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 4

1887919

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: SC DHEC	Report To: D. Thoma	Attention:
Address: 2600 Bull Street Columbia, SC 29201	Copy To:	Company Name:
		Address:
Email To: dthoma@dhec.sc.gov	Purchase Order No.: 4600328425	Pace Quote Reference:
Phone: 803-898-2544 Fax: 803-898-0673	Project Name: HQ Health Self Serv	Pace Project Manager: A. Baioni
Requested Due Date/TAT:	Project Number: 08932-49020	Pace Profile #: 849-1

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: SC — Sumter

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: BTEX/MM	1,2-DCA	8-oxy	EDB	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 9223590
1	MW-1R	WT	G			1-26-15	14:27		6				✓						✓	✓	✓	✓		Odor; Sheen; Duplicated 001
2	MW-2	WT	G			1-20-15	14:25		6				✓						✓	✓	✓	✓		Odor 002
3	MW-3	WT	G			1-20-15	15:11		6				✓						✓	✓	✓	✓		No odor 003
4	MW-4																							Not Sampled
5	MW-5D	WT	G			1-20-15	15:16		6				✓						✓	✓	✓	✓		No odor 004
6	MW-6																							Not Sampled
7	MW-7	WT	G			1-20-15	13:35		6				✓						✓	✓	✓	✓		Odor; Sheen; Duplicated 005
8	MW-8	WT	G			1-20-15	12:45		6				✓						✓	✓	✓	✓		Odor; Sheen 006
9	MW-9																							Not Sampled
10	MW-10																							Not Sampled
11	MW-11	WT	G			1-20-15	13:54		6				✓						✓	✓	✓	✓		No odor 007
12	MW-12	WT	G			1-20-15	14:42		6				✓						✓	✓	✓	✓		Odor; Sheen 008

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Todd Elder	1-20-15	15:47	Brandy Pace	01-21-15	09:35				
	Brandy	01-21-15	15:10	Alissa Page Pace	1-21-15	15:10	3.6	V	N	V

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Todd Elder

SIGNATURE of SAMPLER: Todd Elder — DATE Signed (MM/DD/YY): 1-20-15

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 4

1887920

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: SC Dhec	Report To: D. Thoma	Attention:
Address: 2600 Bull Street	Copy To:	Company Name:
Columbia SC 29201		Address:
Email To: dthoma@dhec.sc.gov	Purchase Order No.: 4600328425	Pace Quote Reference:
Phone: 803-848-2544 Fax: 803-848-0673	Project Name: HQ Heath Self Serv 2	Pace Project Manager: A. Baioni
Requested Due Date/TAT:	Project Number: 08932; 49020	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER

Site Location STATE: SC — Sumter

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BTEXNM	1,2 DCA	8-OXY	EDB	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-13	WT	G			1-20-15	13:10		6				✓						✓	✓	✓	✓		92234390 No odor 009
2	MW-14						10:40																	No odor 010
3	MW-15						11:15																	No odor 011
4	MW-16						11:45																	No odor 012
5	MW-17R						10:48																	No odor 013
6	MW-18						11:04																	No odor 014
7	MW-19	WT	G			1-20-15	10:09		6				✓						✓	✓	✓	✓		No odor 015
8	MW-20																							Not Sampled
9	MW-21																							Not Sampled
10	MW-22																							Not Sampled
11	MW-23																							Not Sampled
12	MW-24																							Not Sampled

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Todd Elder	1-20-15	15:46	B Moody - Pace	01-21-15	09:35				
	B Moody	01-21-15	15:10	Courier Pace/FedEx	1-21-15	15:10	3.6	✓	✓	✓

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Todd Elder

SIGNATURE of SAMPLER: Todd Elder — DATE Signed (MM/DD/YY): 1-20-15

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1723350

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: SC DHEC	Report To: D. Thoma	Attention:
Address: 2600 Bull Street, Columbia, SC 29201	Copy To:	Company Name:
Email To: dlthoma@dhec.sc.gov	Purchase Order No.: 4600328425	Address:
Phone: 803-898-2544 Fax: 803-898-0673	Project Name: HQ Health Self Serv	Pace Quote Reference:
Requested Due Date/TAT:	Project Number: 08932; 49020	Pace Project Manager: A. Baioni
		Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: SC — Sumter

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BTEXNM	1,2-DCA	8-OXY	EDB	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-25	WT	G			1-20-15	10:32		6				✓						✓	✓	✓	✓		No odor 016
2	MW-26																							Not Sampled
3	MW-27																							NOT SAMPLED
4	MW-28	WT	G			1-20-15	9:53		6				✓						✓	✓	✓	✓		No odor 017
5	TFR-1	↓	↓			↓	14:13		↓				↓						↓	↓	↓	↓		Odor; Sheen 018
6	TFR-2						14:14																	Odor; Sheen 019
7	TFR-3	↓	↓			↓	13:02		↓				↓						↓	↓	↓	↓		Odor; Sheen 020
8	TFR-4	WT	G			1-20-15	13:40		6				✓						✓	✓	✓	✓		Sheen; Odor 021
9	TFR-5																							Not Sampled
10	TFR-6																							Not Sampled
11	TFR-7																							Not Sampled
12	TFR-8																							Not Sampled

922343 90

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Todd Elder	1-20-15	15:45	B Moody - Pace	01-21-15	09:35				
	B Moody	01-21-15	15:10	Client / Courier / Pace	1-21-15	1510	3.6	✓	✓	✓

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Todd Elder

SIGNATURE of SAMPLER: Todd Elder — DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical
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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 4 of 4

1723351

Section A Required Client Information:

Company: SC DHEC
Address: 2600 Bull Street
Columbia, SC 29201
Email To: dthoma@dhec.sc.gov
Phone: 803-898-2544 Fax: 803-898-0673
Requested Due Date/TAT:

Section B Required Project Information:

Report To: D. Thoma
Copy To:
Purchase Order No.: 4600328425
Project Name: HQ Health Self Srv
Project Number: 08932; 49020

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: A. Baioni
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: SC — Sumter

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BTEX/MTBE	1,2-DCA	8-oxy	EDB	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	TFR-9																							Not Sampled
2	TFR-10	WT	G			1-20-15	12:40		6				✓						✓	✓	✓	✓		Sheen; Odor 022
3	TFR-11																							Not Sampled
4	TFR-12	WT	G			1-20-15	12:35		6				✓						✓	✓	✓	✓		Slight odor 023
5	MW-1R DUP						14:28												✓	✓	✓	✓		Duplicate 024
6	MW-7 DUP						13:36		↓										✓	✓	✓	✓		Duplicate 025
7	Field Blank	↓	↓			↓	15:15		6				↓						✓	✓	✓	✓		026
8	Trip Blank	WT	G			1-20-15	15:16		2				✓						✓	✓	✓			027
9																								
10																								
11																								
12																								

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Todd Elder	1-20-15	15:44	H Mroady - Pace	01-21-15	09:39				
	H Mroady	01-21-15	15:10	Alex Pazar / Pace	1-21-15	15:16	7.6	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Todd Elder

SIGNATURE of SAMPLER: Todd Elder — DATE Signed (MM/DD/YY): 1-20-15

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days

D H E C

PROMOTE PROTECT PROSPER

08932

Catherine E. Heigel, Director

Promoting and protecting the health of the public and the environment

BRYAN SHANE
MIDLANDS ENVIRONMENTAL CONSULTANTS
PO BOX 854
LEXINGTON SC 29071

JAN 1 3 2016

UST 564tech DOCKETING

Re: **Site Specific Work Plan Request**
Groundwater Sampling Contract
Solicitation # IFB-5400007403, PO#4600445246

Dear Mr. Shane:

In accordance with bid solicitation # IFB-5400007403 and the UST Management Division Quality Assurance Program Plan (QAPP), Revision 3.0 it is requested that you submit a Site Specific Work Plan for each site listed below. The plans must be submitted **within 15 business days** to my attention. The project manager for each site will issue a notice to proceed once the plan has been reviewed and approved.

UST Permit	Site Name	County	# samples and requested analysis*	Project Manager
08932	HQ Health Self Serve	Sumter	40-BTEXMN, DCA, Oxygenates and EDB	M. Hetrick
05119	Scotchman 53	Horry	27-BTEXMN, DCA, Oxygenates	E. Mendenhall
19619	Former Service Station/Liquor Store	York	97-BTEXMN, DCA, Oxygenates and EDB	K. Kuhn
07178	Roper 66	Pickens	29-BTEXMN, DCA, Oxygenates	E. Mendenhall
02015	Pop's Corner	Cherokee	52-BTEXMN, DCA, Oxygenates and EDB	A. Thrash
04581	Donahue Grocery	Spartanburg	45-BTEXMN, DCA, Oxygenates and EDB	M. Rivers
08936	Franks Service Center	Sumter	19-BTEXMN, DCA, Oxygenates and EDB	M. Hetrick

*The number of samples do not include trip blanks, field blanks, or field duplicate

Midlands
Environmental
Consultants, Inc.

January 25, 2016

Mr. John Bryant, Hydrogeologist
Corrective Action Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Subject: Site-Specific Work Plan
HQ Heath Self Serve 2
Sumter, South Carolina
SCDHEC Site ID Number 08932
MECI Project Number 16-5430
Certified Site Rehabilitation Contractor UCC-0009

Dear Mr. Bryant,

Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Site-Specific Work Plan for the referenced site.

On January 21, 2016, MECI personnel performed a site visit to the subject site to evaluate site conditions, locate monitoring wells and identify potential problems for future sampling activities.

If you have any question or comments please feel free to contact us at 803-808-2043.

Sincerely,
Midlands Environmental Consultants, Inc.

Kyle V. Pudney
Project Biologist

Jeff L. Coleman
Senior Scientist

Post Office Box 854, Lexington SC 29071 • 231 Dooley Road, Lexington, SC 29073
Telephone: (803) 808-2043 • fax: (803) 808-2048

Environmental Consultants, Inc.

DHEC
PROMOTE PROTECT PROSPER

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

To: Mr. Matt Hetrick (SCDHEC Project Manager)
From: Mr. Jeff Coleman (Contractor Project Manager)
Contractor: Midlands Environmental Consultants, Inc. UST Contractor Certification Number: 009

Facility Name: HQ Heath Self Serve 2 UST Permit #: 08932
Facility Address: 501 North Guignard Drive, Sumter, SC 29150
Responsible Party: Coca Cola Bottling Company Phone: N/A
RP Address: 4115 Coca Cola Plaza, Charlotte, NC 28211
Property Owner (if different): Heath Oil Company
Property Owner Address: P.O. Box 787, Drayton, SC 29333
Current Use of Property: Active Gas Station

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 1 Field Blank
26 Monitoring Wells _____ Surface Water 2 Duplicate 1 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 #: 08932 Facility Name: HQ Heath Self Serve 2

Implementation Schedule (Number of calendar days from approval)
Field Work Start-Up: 1/21/2016 Field Work Completion: 2/21/2016
Report Submittal: 3/21/2016 # 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: 200.0 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.
-During the initial site visit, monitoring wells MW-9, MW-10, MW-20, MW-21, MW-22, MW-23, MW-24, MW-26, MW-27, TFR-5, TFR-7, TFR-8, TFR-9 and TFR-11 were not located. If any of these wells are located during sampling activities, they will be sampled accordingly.
-All wells will be purged prior to sample collection.

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: _____

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

No 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
CONTRACT PO NUMBER 4600328425

Facility Name: HQ Heath Self Serve 2

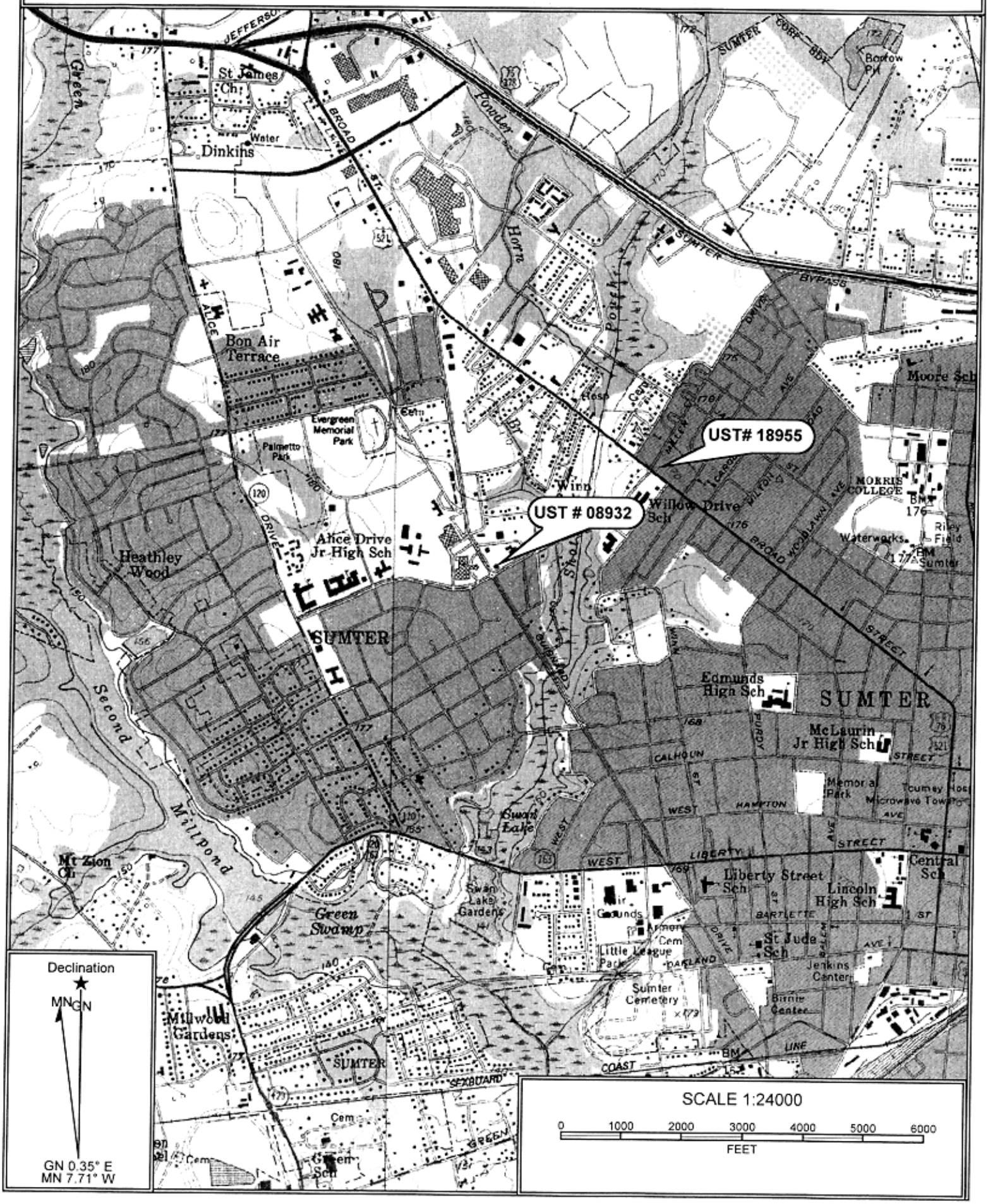
UST Permit #: 08932 **Cost Agreement #:** Proposal

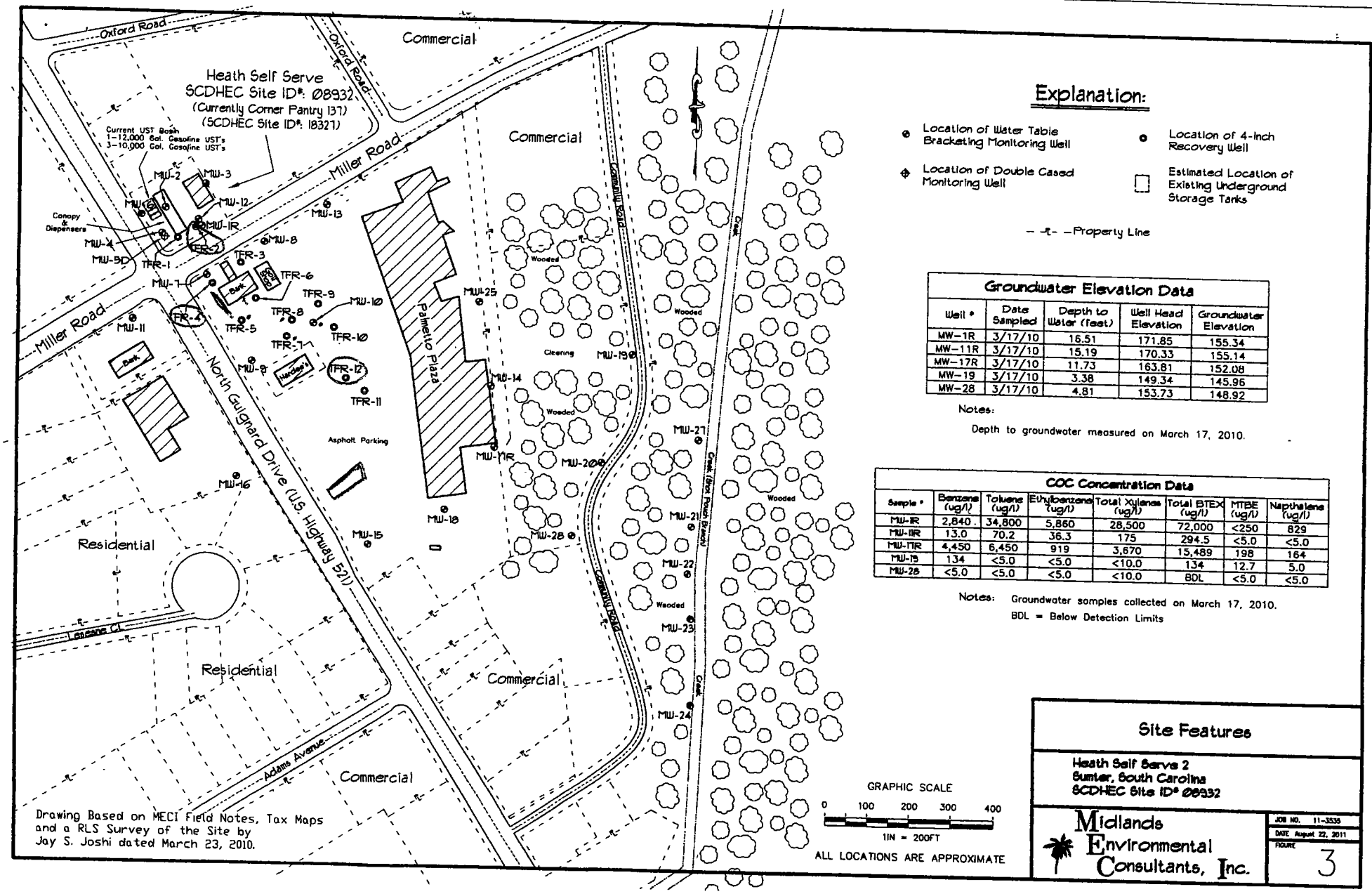
ITEM	QUANTITY	UNIT	UNIT PRICE		TOTAL
1. **Plan***					
A1. Site Specific Work Plan	1	each	$0.00		$0.00
C1. QAPP Appendix B		each	$0.00		$0.00
2. A1. Receptor Survey		each	$0.00		$0.00
4. **Mob/Demob**					
B1. Personnel	2	each	$350.00		$700.00
10. **Groundwater Sample Collection / Gauge Depth to Water or Product (Each)**					
A1. Groundwater Purge	26	per well	$16.00		$416.00
B1. Air or Vapors		samples	$0.00		$0.00
C1. Water Supply		samples	$5.00		$0.00
D1. Groundwater No Purge		per well	$8.00		$0.00
E1. Gauge Well only		per well	$0.00		$0.00
F1. Sample Below Product		per well	$0.00		$0.00
G1. Pasive Diffusion Bag		each	$20.00		$0.00
H1. Field Blank	1	each	$10.00		$10.00
17. **Disposal* (gallons or tons)**					
AA. Disposal/Water	200	gallons	$1.00		$200.00
BB. Free Product		gallons	$0.00		$0.00
Note: Rate includes costs or rental of suitable container(s)					
23. D. Site Reconnaissance		each	$0.00		$0.00
18. **Miscellaneous (attach receipts)**					
GW Contour Map		each	$25.00		$0.00
Isopleth Map		each	$25.00		$0.00
High-Strength Well Pad Replacement		each	$75.00		$0.00
Trip Blank	1	each	$10.00		$10.00
Data Table		each	$25.00		$0.00
25. **Well Repair**					
B1. Repair 2x2 MW Pad		each	$75.00		$0.00
C1. Repair 4x4 MW Pad		each	$75.00		$0.00
D1. Replace Well Vault		each	$75.00		$0.00
E. Replace well cover		each	$25.00		$0.00
F1. Replace well cover bolts		each	$2.60		$0.00
G. Replace locking well cap & lock		each	$15.00		$0.00
K1. Replace Missing Well ID Plate		each	$10.00		$0.00
TOTAL					$1,336.00

Map Name: SUMTER EAST
Print Date: 01/25/16

Scale: 1 inch = 2,000 ft.
Map Center: 033° 55' 58.18" N, 080° 22'

Horizontal Datum: NAD27





Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated March 23, 2010.

Explanation:

- Location of Water Table Bracketing Monitoring Well
- Location of 4-inch Recovery Well
- Location of Double Cased Monitoring Well
- Estimated Location of Existing Underground Storage Tanks
- –t– –Property Line

Groundwater Elevation Data

Well #	Date Sampled	Depth to Water (feet)	Well Head Elevation	Groundwater Elevation
MW-1R	3/17/10	16.51	171.85	155.34
MW-11R	3/17/10	15.19	170.33	155.14
MW-17R	3/17/10	11.73	163.81	152.08
MW-19	3/17/10	3.38	149.34	145.96
MW-28	3/17/10	4.81	153.73	148.92

Notes:

Depth to groundwater measured on March 17, 2010.

COC Concentration Data

Sample #	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Total Xylenes (ug/l)	Total BTEX (ug/l)	MTBE (ug/l)	Napthalene (ug/l)
MW-1R	2,840	34,800	5,860	28,500	72,000	<250	829
MW-11R	13.0	70.2	36.3	175	294.5	<5.0	<5.0
MW-17R	4,450	6,450	919	3,670	15,489	198	164
MW-19	134	<5.0	<5.0	<10.0	134	12.7	5.0
MW-28	<5.0	<5.0	<5.0	<10.0	BDL	<5.0	<5.0

Notes: Groundwater samples collected on March 17, 2010.
BDL = Below Detection Limits

GRAPHIC SCALE
0 100 200 300 400
1IN = 200FT

ALL LOCATIONS ARE APPROXIMATE

Site Features

Heath Self Serve 2
Sumter, South Carolina
SCDHEC Site ID# 08932

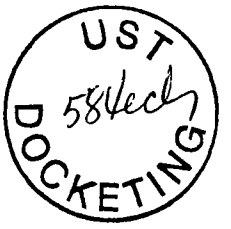
Midlands Environmental Consultants, Inc.

JOB NO. 11-3535
DATE August 22, 2011
FIGURE 3

D H E C
PROMOTE PROTECT PROSPER
Catherine E. Heigel, Director
Promoting and protecting the health of the public and the environment

BRYAN SHANE
MIDLANDS ENVIRONMENTAL CONSULTANTS
PO BOX 854
LEXINGTON SC 29071

FEB 0 5 2016



Re: **Notice to Proceed-Site Specific Work Plan Approval**
Groundwater Sampling Contract
Solicitation # IFB-5400007403, PO#4600462997
HQ Heath Self Serve 2
UST Permit #08932; CA #51769 (Pace CA #51770)
Sumter County

Dear Mr. Shane:

In accordance with bid solicitation #IFB-5400007403 and the UST Management Division Quality Assurance Program Plan (QAPP), the Site-Specific Work Plan has been reviewed and approved. In accordance with the approved ACQAP, a status report of the project should be provided on a weekly basis via e-mail. If any quality assurance problems arise, you must contact me within 24 hours via phone or e-mail. In addition, a discussion of the problem(s) encountered, including quality assurance problems, the actions taken, and the results must be included in the final report submitted to the UST Management Division.

MECI will perform services at the site on behalf of the site's responsible party (RP); however, payment will be made from the SUPERB Account. The site's RP has no obligation for payment for this scope of work. Please coordinate access to the facility with the property owner. The Agency 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. A copy of the disposal manifest and/or acceptance letter from the receiving facility that clearly designates the quantity received must be included with the final report. The SUPERB Account will not reimburse for transportation or treatment of soil and/or groundwater with concentrations below RBSLs.

Please note, sampling should be conducted within 15 calendar days from the date of this letter. The final report is due within 3 weeks from the date the site is sampled. If the site is not sampled by the specified due date or the report is not received in the specified time period, a late fee may be imposed. The final report should contain the requirements of Section III.2.15 of the bid solicitation. The final report should be submitted to John Bryant, the contract manager.

If you have any site-specific questions, please contact me at (803) 898-0610 or via e-mail at hetricml@dhec.sc.gov. If you have any contract specific questions, please contact John Bryant at (803) 898-0606 or via e-mail at bryantjc@dhec.sc.gov.

Sincerely,

Matthew Lee Hetrick

Matthew L. Hetrick, Hydrogeologist
Corrective Action Section
UST Management Division
Bureau of Land & Waste Management

enc: Approved Cost Agreements (both CAs)

cc: John Bryant, Corrective Action Section, UST Management Division (w/o encs.)
Trey Carter, Pace Analytical Services, 9800 Kincey Ave, Ste 100, Huntersville, NC, 28078 (w/ approved CA)
Technical Files (w/ encs.)

Approved Cost Agreement 51770

Facility 08932 H Q HEATH SELF SERV 2

HETRICML

PO Number.

Task / Description	Categories	Item Description	Qty / Pct	Unit Price	Amount
11 ANALYSES					
	GW GROUNDWATER	A2 BTEXNM+OXYGS+1,2-DCA+ETH-8260B	30.0000	$19.000	570 00
		F1 EDB BY 8011	29.0000	$18.000	522.00
			Total Amount		1,092.00

Approved Cost Agreement 51769

Facility. 08932 H Q HEATH SELF SERV 2

HETRICML

PO Number

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
04 MOB/DEMOB						
		B1	PERSONNEL	2.0000	$350 000	700.00
10 SAMPLE COLLECTION						
		A1	GROUNDWATER (PURGE)	26.0000	$16 000	416.00
		H1	FIELD BLANK	1.0000	$10.000	10 00
17 DISPOSAL						
		AA	WASTEWATER	200.0000	$1.000	200.00
18 MISCELLANEOUS						
			SITE RECONNAISSANCE	1 0000	$0 000	0.00
			SITE SPECIFIC WORK PLAN	1.0000	$0 000	0.00
			TRIP BLANK	1.0000	$10 000	10.00
				Total Amount		1,336 00

UST
Matt
FEB 2 5 2016
DIVISION

February 9, 2016

Midlands Environmental Consultants, Inc.

Mr. John C. Bryant, Hydrogeologist
Corrective Action Section
Underground Storage Tank Program
Bureau of Land and Waste Management
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

UST
5-9
DOCKETING

Subject: Report of Groundwater Sampling
HQ Heath Self Serve 2
501 N. Guignard Rd.
Sumter, South Carolina
SCDHEC Site ID Number 08932; CA # 51769
MECI Project Number 16-5430
Certified Site Rehabilitation Contractor UCC-0009

Dear Mr. Bryant,

Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Report of Groundwater Sampling for the referenced site. This report describes site activities conducted at the site in general accordance with South Carolina Department of Health and Environmental Control's (SCDHEC) Quality Assurance Program Plan for the Underground Storage Tank Management Division (QAPP).

PROJECT INFORMATION

The subject site (HQ Heath Self Serve 2) is located at 501 N. Guignard Rd, Sumter, Sumter County, South Carolina. The subject site previously maintained one (1) 10,000 gallon gasoline underground storage tank (UST), one (1) 6,000 gallon gasoline UST, five (5) 3,000 gallon gasoline USTs, one (1) 3,000 gallon UST for multiple hydrocarbons, one (1) 1,000 gallon UST for naptha, mineral spirits, and Stoddard solvent, and one (1) 550 gallon UST for waste oil, burnt oil or used oil. Three of the 3,000 gallon gasoline USTs and the one 3,000 gallon UST for multiple hydrocarbons were abandoned by removal from the ground in 1911; the 10,000 gallon gasoline UST, the 6,000 gallon gasoline UST, two 3,000 gallon gasoline USTs, and the 550 gallon UST for waste oil, etc. were all abandoned by removal from the ground in May of 1999; the 1,000 gallon UST for naptha, etc. has been empty since 1974. The South Carolina Department of Health and Environmental Control (SCDHEC) reported two releases of petroleum product from the subject tanks. The first was reported in July of 1996 and confirmed in August of 1996. The second was reported in October of 1999 and confirmed in that same month; a No-Further-Action order was issued in December 1999. The subject site is currently rated a Class 2BA.

Post Office Box 854, Lexington SC 29071 • 231 Dooley Road, Lexington, SC 29073
Telephone: (803) 808-2043 • fax: (803) 808-2048

The above information is based on reports and correspondence obtained from MECI field notes and SCDHEC files.

MONITORING WELL SAMPLING AND CHEMICAL ANALYSIS

On February 9th, 2016, MECI personnel collected groundwater samples from twenty-six (26) monitoring wells. Based on a request by SCDHEC personnel, only monitoring wells with submerged screens needed to be purged prior to sample collection. Six (6) monitoring wells were purged prior to sample collection.

MECI personnel utilized an electronic water level indicator for water level measurements and an oil/water interface probe for free phase petroleum product level measurements. Purging was completed by bailing at least five well volumes of water from the well, until pH, conductivity, dissolved oxygen readings stabilized, or all water was evacuated from the well, whichever occurred first. Sampling/purging was completed utilizing a prepackaged, clear, disposable polyethylene bailer and nylon rope. A new set of nitrile gloves were worn at each monitoring well, and at all time samples were handled. Field measurements of pH, conductivity, dissolved oxygen, water temperature, and turbidity were obtained before well sampling process. MECI utilized YSI Pro20 meter for DO (mg/L) and temperature readings (°C), YSI Pro1030 meter for pH and conductivity (uS) readings and a MicroTPI/TPW turbidimeter for turbidity readings (NTU). The attached Field Data Information Sheets presents the results of the field measurements obtained. The wells were sampled in accordance with the most recent SCDHEC's Quality Assurance Program Plan for the Underground Storage Tank Management Division and MECI's most recent Standard Operating Procedures.

Groundwater samples obtained were sent to Pace Analytical Services, Inc. of Huntersville, NC (SCDHEC Laboratory Certification #99006001) for analysis.

The following sampling matrix contains well development and requested analyses for each well during the sampling event:

Monitoring Well	Purge	No Purge	Gauge Only	Not Sampled	BTEX, Naphthalene, MTBE (EPA Method 8260-B)	EDB (EPA Method 8011)	1,2 DCA (EPA Method 8260-B)	8 Oxygenates (EPA Method 8260-B)	Total Lead (EPA Method 6010)	Sulfate (EPA Method 375.2)	Nitrate (EPA Method 335.2)	Methane (RSK Method)	PAH's (EPA Method 8270)	Ferrous Iron (Field Test)
					Analyte Sampled									
MW-1R		X			X	X	X	X						
MW-2		X			X	X	X	X						
MW-3		X			X	X	X	X						
MW-4	X				X	X	X	X						
MW-5D	X				X	X	X	X						
MW-6		X			X	X	X	X						
MW-7		X			X	X	X	X						
MW-8		X			X	X	X	X						
MW-11R		X			X	X	X	X						
MW-12		X			X	X	X	X						
MW-13		X			X	X	X	X						

Notes: BTEX = benzene, toluene, ethylbenzene, & total xylenes MTBE=methyl tertiary butyl ether 1,2 DCA = 1,2 dicloroethane PAH = polycyclic aromatic hydrocarbons

Monitoring Well	Purge	No Purge	Gauge Only	Not Sampled	BTEX, Naphthalene, MTBE (EPA Method #260-B)	EDB (EPA Method #011)	1,2 DCA (EPA Method #260-B)	8 Oxygenates (EPA Method #260-B)	Total Lead (EPA Method 6010)	Sulfate (EPA Method 375.2)	Nitrate (EPA Method 335.2)	Methane (RSK Method)	PAH's (EPA Method #270)	Ferrous Iron (Field Test)
	Analyte Sampled													
MW-14		X			X	X	X	X						
MW-15		X			X	X	X	X						
MW-16		X			X	X	X	X						
MW-17R		X			X	X	X	X						
MW-18		X			X	X	X	X						
MW-19	X				X	X	X	X						
MW-25		X			X	X	X	X						
MW-28	X				X	X	X	X						
TFR-1		X			X	X	X	X						
TFR-2		X			X	X	X	X						
TFR-3	X				X	X	X	X						
TFR-4		X			X	X	X	X						
TFR-6		X			X	X	X	X						
TFR-10	X				X	X	X	X						
TFR-12		X			X	X	X	X						
MW-2 Dup					X	X	X	X						
MW-8 Dup					X	X	X	X						
Field Blank					X	X	X	X						
Trip Blank					X		X	X						

Notes: BTEX = benzene, toluene, ethylbenzene, & total xylenes MTBE=methyl tertiary butyl ether 1,2 DCA = 1,2 dicloroethane PAH = polycyclic aromatic hydrocarbons

Purge water produced by the purging process was treated on-site utilizing a granular activated carbon unit. A total of 89.5 gallons of purge water was disposed of in this manner. A disposal manifest for the referenced purge water is attached at the end of this report.

Please feel free to contact us at 803-808-2043 if you have any immediate questions or comments.

Sincerely,

Midlands Environmental Consultants, Inc.

Peter J. Wylie
Staff Hydrogeologist

Jeff L. Coleman
Senior Scientist

Attachments:

Contractor Checklist

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? See MECI SOP	X		
21	Have the groundwater sampling dates and groundwater measurements been provided? See attached Site Activity Summary Sheet	X		
22	Has the purging methodology been detailed? See MECI SOP	X		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete? See attached Field Data Information Sheets	X		
24	If free-product is present, has the thickness been provided? See attached Site Activity Summary Sheets	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

Item#	Item	Yes	No	N/A
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
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? See attached	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		

Site Activity Summary

UST Permit #: 08932
Facility Name: HQ Heath Self Serve
County: Sumter
Field Personnel: P. Wylie, C. Hansen, C. Phillips

Midlands Environmental Consultants, Inc.

Sample ID	Sampled?	Date	Time	Screened Interval	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Initial Dissolved Oxygen (mg/l)	# Gals. Purged	Comments
MW-1R	Y	2/9/16	13:05	12-22	***	16.11	***	0.71	***	Odor; No Purge
MW-2	Y	2/9/16	12:10	14-24	***	14.94	***	0.59	***	Odor; No Purge, Duplicated
MW-3	Y	2/9/16	12:45	14-24	***	16.62	***	4.14	***	No Odor
MW-4	Y	2/9/16	12:35	14-24	***	12.52	***	0.42	9.00	Odor; Slight Sheen; Total Depth: 17.00
MW-5D	Y	2/9/16	12:55	40-45	***	14.35	***	1.09	22.00	No Odor
MW-6	Y	2/9/16	12:10	12-22	***	14.09	***	1.18	***	No Odor; No Purge
MW-7	Y	2/9/16	11:35	12-22	***	14.92	***	0.92	***	Odor; Slight Sheen; No Purge
MW-8	Y	2/9/16	11:01	13-23	***	15.83	***	0.96	***	Odor; Slight Sheen; No Purge, Duplicated
MW-11R	Y	2/9/16	11:55	12-22	***	13.65	***	1.00	***	No Odor; No Purge
MW-12	Y	2/9/16	13:00	10-20	***	15.47	***	0.72	***	Odor; No Purge
MW-13	Y	2/9/16	11.00	13-23	***	16.28	***	4.22	***	No Odor; No Purge
MW-14	Y	2/9/16	10:00	10-20	***	10.39	***	4.04	***	No Odor; No Purge
MW-15	Y	2/9/16	10:30	8-18	***	9.95	***	1.71	***	No Odor; No Purge
MW-16	Y	2/9/16	11:50	10-20	***	10.93	***	4.56	***	No Odor; No Purge
MW-17R	Y	2/9/16	10:15	10-20	***	10.18	***	1.72	***	No Odor; No Purge
									31.00	**TOTAL GALLONS PURGED**

Site Activity Summary

UST Permit #: 08932
Facility Name: HQ Heath Self Serve
County: Sumter
Field Personnel: P. Wylie, C. Hansen, C. Phillips

Midlands Environmental Consultants, Inc.

Sample ID	Sampled?	Date	Time	Screened Interval	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Initial Dissolved Oxygen (mg/l)	# Gals. Purged	Comments
MW-18	Y	2/9/16	10:25	10-20	***	10.83	***	1.92	***	No Odor; No Purge
MW-19	Y	2/9/16	9:35	13-23	***	2.69	***	0.81	***	Odor
MW-25	Y	2/9/16	10:05	6-16	***	7.56	***	5.47	***	No Odor; No Purge
MW-28	Y	2/9/16	9:40	2-12	***	3.18	***	1.29	9.5	No Odor; Stick Up: 2.50
TFR-1	Y	2/9/16	12:40	TD: 24.40	***	14 74	***	0.71	***	Odor; Sheen; No Purge
TFR-2	Y	2/9/16	13:15	TD: 24.00	***	15.34	***	0.51	***	Odor; No Purge
TFR-3	Y	2/9/16	11:25	TD: 25.20	***	15.2	***	0.64	21	Slight Odor
TFR-4	Y	2/9/16	11:35	TD. 24.30	***	15.11	***	Sheen	***	Odor; Heavy Sheen; No Purge
TFR-6	Y	2/9/16	11:15	TD:22.18	***	15.05	***	0.71	***	Odor; No Purge
TFR-10	Y	2/9/16	10:55	TD: 24.92	***	14.31	***	0.58	***	Slight Odor
TFR-12	Y	2/9/16	10:40	TD: 20.00	***	13.6	***	0.88	***	Odor; No Purge
MW-2 Dup	Y	2/9/16	12:10	***	***	***	***	***	***	Odor; Duplicate
MW-8 Dup	Y	2/9/16	11:01	***	***	***	***	***	***	Odor; Slight Sheen; Duplicate
Field Blank	Y	2/9/16	15:00	***	***	***	***	***	***	Field Blank
Trip Blank	Y	2/9/16	15:01	***	***	***	***	***	***	Trip Blank
									30.50	**TOTAL GALLONS PURGED**

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Heath Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips		
County:	Sumter	*Project Manager:*	Matthew Hetrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48		

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	MW-1R	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	12-22	*Total Well Depth (TWD) (ft.):*	22
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	16.11	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	5.89	*1 casing volume (CV = LWC x C) (gals.):*	0.96	*5 casing volumes (5 x CV) (gals.):*	4.80

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	0.96	1.92	2.88	3.84	4.80		
Time (military)	13:05							
PH (s.u.)	5.58							
Specific Conductivity (µS/cm)	105.4							
Water Temperature (°C)	20.0							
Dissolved Oxygen (mg/L)	0.71							
Turbidity (NTU)	83.29							

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	13:05	*Duplicate: Y or N*	N	*If yes, Duplicate Time:*	N/A	*Total Gallons Purged:*	N/A

Notes: Odor; No Purge

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Heath Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips		
County:	Sumter	*Project Manager:*	Matthew Hetrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48		

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	MW-2	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	14-24	*Total Well Depth (TWD) (ft.):*	24
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	14.94	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	9.06	*1 casing volume (CV = LWC x C) (gals.):*	1.48	*5 casing volumes (5 x CV) (gals.):*	7.38

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	1.48	2.95	4.43	5.91	7.38		
Time (military)	12:10							
PH (s.u.)	5.96							
Specific Conductivity (µS/cm)	307.8							
Water Temperature (°C)	18.6							
Dissolved Oxygen (mg/L)	0.59							
Turbidity (NTU)	77.30							

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	12:10	*Duplicate: Y or N*	Y	*If yes, Duplicate Time:*	12:10	*Total Gallons Purged:*	N/A

Notes: Odor; No Purge; Duplicated

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Heath Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips		
County:	Sumter	*Project Manager:*	Matthew Hetrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48		

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	MW-3	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	14-24	*Total Well Depth (TWD) (ft.):*	24
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	16.62	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	7.38	*1 casing volume (CV = LWC x C) (gals.):*	1.20	*5 casing volumes (5 x CV) (gals.):*	6.01

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	1.20	2.41	3.61	4.81	6.01		
Time (military)	12:45							
PH (s.u.)	5.22							
Specific Conductivity (µS/cm)	27.2							
Water Temperature (°C)	18.3							
Dissolved Oxygen (mg/L)	4.14							
Turbidity (NTU)	94.21							

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	12:45	*Duplicate: Y or N*	N	*If yes, Duplicate Time:*	N/A	*Total Gallons Purged:*	N/A

Notes: No Odor

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Health Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips		
County:	Sumter	*Project Manager:*	Matthew Hetrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48		

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	MW-4	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	14-24	*Total Well Depth (TWD) (ft.):*	17
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	12.52	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	4.48	*1 casing volume (CV = LWC x C) (gals.):*	0.73	*5 casing volumes (5 x CV) (gals.):*	3.65

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	0.73	1.46	2.19	2.92	3.65	1.50	
Time (military)	12:30	12:32	12:34				12:35	
PH (s.u.)	5.97	6.02	6.08				5.93	
Specific Conductivity (µS/cm)	51.0	46.3	41.2				48.5	
Water Temperature (°C)	19.0	19.7	20.3				20.9	
Dissolved Oxygen (mg/L)	0.42	0.48	0.37				0.32	
Turbidity (NTU)	346.9	428.2	471.3				504.6	

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	12:35	*Duplicate: Y or N*	N	*If yes, Duplicate Time:*	N/A	*Total Gallons Purged:*	N/A

Notes: Odor; Slight Sheen; Dry @ 1.50 Gallons

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Heath Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips		
County:	Sumter	*Project Manager:*	Matthew Hetrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48		

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	MW-5D	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	40-45	*Total Well Depth (TWD) (ft.):*	45
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	14.35	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	30.65	*1 casing volume (CV = LWC x C) (gals.):*	5.00	*5 casing volumes (5 x CV) (gals.):*	24.98

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	5.00	9.99	14.99	19.98	24.98	22.00	
Time (military)	12:25	12:31	12:37	12:43	12:49		12:55	
PH (s.u.)	6.04	6.18	6.13	6.00	6.08		5.94	
Specific Conductivity (µS/cm)	58.6	62.3	67.9	64.5	56.8		66.6	
Water Temperature (°C)	19.3	19.6	19.8	20.2	20.5		21.0	
Dissolved Oxygen (mg/L)	1.09	1.15	1.21	1.12	1.03		0.96	
Turbidity (NTU)	146.3	180.2	217.6	252.9	283.1		314.3	

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	12:55	*Duplicate: Y or N*	N	*If yes, Duplicate Time:*	N/A	*Total Gallons Purged:*	N/A

Notes: No Odor; Dry @ 22 Gallons

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Heath Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips
County:	Sumter	*Project Manager:*	Matthew Hetrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	MW-6	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	12-22	*Total Well Depth (TWD) (ft.):*	22
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	14.09	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	7.91	*1 casing volume (CV = LWC x C) (gals.):*	1.29	*5 casing volumes (5 x CV) (gals.):*	6.45

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	1.29	2.58	3.87	5.16	6.45		
Time (military)	12:10							
PH (s.u.)	5.66							
Specific Conductivity (µS/cm)	46.0							
Water Temperature (°C)	17.3							
Dissolved Oxygen (mg/L)	1.18							
Turbidity (NTU)	134.80							

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	12:10	*Duplicate: Y or N*	N	*If yes, Duplicate Time:*	N/A	*Total Gallons Purged:*	N/A

Notes: No Odor; No Purge

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Heath Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips		
County:	Sumter	*Project Manager:*	Matthew Hetrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48		

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	MW-7	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	12-22	*Total Well Depth (TWD) (ft.):*	22
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	14.92	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	7.08	*1 casing volume (CV = LWC x C) (gals.):*	1.15	*5 casing volumes (5 x CV) (gals.):*	5.77

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	1.15	2.31	3.46	4.62	5.77		
Time (military)	11:35							
PH (s.u.)	5.32							
Specific Conductivity (µS/cm)	96.7							
Water Temperature (°C)	19.6							
Dissolved Oxygen (mg/L)	0.92							
Turbidity (NTU)	36.11							

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	11:35	*Duplicate: Y or N*	N	*If yes, Duplicate Time:*	N/A	*Total Gallons Purged:*	N/A

Notes: Odor; Slight Sheen; No Purge

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Health Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips		
County:	Sumter	*Project Manager:*	Matthew Helrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48		

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	MW-8	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	13-23	*Total Well Depth (TWD) (ft.):*	23
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	15.83	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	7.17	*1 casing volume (CV = LWC x C) (gals.):*	1.17	*5 casing volumes (5 x CV) (gals.):*	5.84

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	1.17	2.34	3.51	4.67	5.84		
Time (military)	11:01							
PH (s.u.)	5.35							
Specific Conductivity (µS/cm)	45.9							
Water Temperature (°C)	21.5							
Dissolved Oxygen (mg/L)	0.96							
Turbidity (NTU)	38.20							

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	11:01	*Duplicate: Y or N*	Y	*If yes, Duplicate Time:*	11:01	*Total Gallons Purged:*	N/A

Notes: Odor; Slight Sheen; No Purge; Duplicated

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Heath Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips		
County:	Sumter	*Project Manager:*	Matthew Hetrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48		

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	MW-11R	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	12-22	*Total Well Depth (TWD) (ft.):*	22
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	13.65	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	8.35	*1 casing volume (CV = LWC x C) (gals.):*	1.36	*5 casing volumes (5 x CV) (gals.):*	6.81

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	1.36	2.72	4.08	5.44	6.81		
Time (military)	11:55							
PH (s.u.)	5.22							
Specific Conductivity (µS/cm)	68.6							
Water Temperature (°C)	18.7							
Dissolved Oxygen (mg/L)	1.00							
Turbidity (NTU)	62.41							

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	11:55	*Duplicate: Y or N*	N	*If yes, Duplicate Time:*	N/A	*Total Gallons Purged:*	N/A

Notes: No Odor; No Purge

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Heath Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips		
County:	Sumter	*Project Manager:*	Matthew Hetrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48		

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	MW-12	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	10-20	*Total Well Depth (TWD) (ft.):*	20
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	15.47	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	4.53	*1 casing volume (CV = LWC x C) (gals.):*	0.74	*5 casing volumes (5 x CV) (gals.):*	3.69

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	0.74	1.48	2.22	2.95	3.69		
Time (military)	13:00							
PH (s.u.)	5.27							
Specific Conductivity (µS/cm)	24.4							
Water Temperature (°C)	18.0							
Dissolved Oxygen (mg/L)	0.72							
Turbidity (NTU)	45.29							

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	13:00	*Duplicate: Y or N*	N	*If yes, Duplicate Time:*	N/A	*Total Gallons Purged:*	N/A

Notes: Odor; No Purge

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Heath Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips		
County:	Sumter	*Project Manager:*	Matthew Hetrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48		

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	MW-13	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	13-23	*Total Well Depth (TWD) (ft.):*	23
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	16.48	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	6.52	*1 casing volume (CV = LWC x C) (gals.):*	1.06	*5 casing volumes (5 x CV) (gals.):*	5.31

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	1.06	2.13	3.19	4.25	5.31		
Time (military)	11:00							
PH (s.u.)	5.87							
Specific Conductivity (µS/cm)	30.0							
Water Temperature (°C)	20.5							
Dissolved Oxygen (mg/L)	4.22							
Turbidity (NTU)	67.35							

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	11:00	*Duplicate: Y or N*	N	*If yes, Duplicate Time:*	N/A	*Total Gallons Purged:*	N/A

Notes: No Odor; No Purge

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Heath Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Philips
County:	Sumter	*Project Manager:*	Matthew Hetrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	MW-14	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	10-20	*Total Well Depth (TWD) (ft.):*	20
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	10.39	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	9.61	*1 casing volume (CV = LWC x C) (gals.):*	1.57	*5 casing volumes (5 x CV) (gals.):*	7.83

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	1.57	3.13	4.70	6.27	7.83		
Time (military)	10:00							
PH (s.u.)	5.28							
Specific Conductivity (µS/cm)	88.5							
Water Temperature (°C)	17.0							
Dissolved Oxygen (mg/L)	4.04							
Turbidity (NTU)	54.87							

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	10:00	*Duplicate: Y or N*	N	*If yes, Duplicate Time:*	N/A	*Total Gallons Purged:*	N/A

Notes: No Odor; No Purge

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Heath Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips		
County:	Sumter	*Project Manager:*	Matthew Helrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48		

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	MW-15	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	8-18	*Total Well Depth (TWD) (ft.):*	18
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	9.95	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	8.05	*1 casing volume (CV = LWC x C) (gals.):*	1.31	*5 casing volumes (5 x CV) (gals.):*	6.56

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	1.31	2.62	3.94	5.25	6.56		
Time (military)	10:30							
PH (s.u.)	4.85							
Specific Conductivity (µS/cm)	51.2							
Water Temperature (°C)	21.5							
Dissolved Oxygen (mg/L)	1.71							
Turbidity (NTU)	20.31							

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	10:30	*Duplicate: Y or N*	N	*If yes, Duplicate Time:*	N/A	*Total Gallons Purged:*	N/A

Notes: No Odor; No Purge

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Heath Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips		
County:	Sumter	*Project Manager:*	Matthew Hetrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48		

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	MW-16	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	10-20	*Total Well Depth (TWD) (ft.):*	20
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	10.93	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	9.07	*1 casing volume (CV = LWC x C) (gals.):*	1.48	*5 casing volumes (5 x CV) (gals.):*	7.39

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	1.48	2.96	4.44	5.91	7.39		
Time (military)	11:50							
PH (s.u.)	5.41							
Specific Conductivity (µS/cm)	35.8							
Water Temperature (°C)	17.9							
Dissolved Oxygen (mg/L)	4.56							
Turbidity (NTU)	58.23							

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	11:50	*Duplicate: Y or N*	N	*If yes, Duplicate Time:*	N/A	*Total Gallons Purged:*	N/A

Notes: No Odor; No Purge

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Health Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips		
County:	Sumter	*Project Manager:*	Matthew Helrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48		

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	MW-17R	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	10-20	*Total Well Depth (TWD) (ft.):*	20
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	10.18	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	9.82	*1 casing volume (CV = LWC x C) (gals.):*	1.60	*5 casing volumes (5 x CV) (gals.):*	8.00

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	1.60	3.20	4.80	6.40	8.00		
Time (military)	10:15							
PH (s.u.)	6.21							
Specific Conductivity (µS/cm)	310.9							
Water Temperature (°C)	19.9							
Dissolved Oxygen (mg/L)	1.72							
Turbidity (NTU)	35.34							

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	10:15	*Duplicate: Y or N*	N	*If yes, Duplicate Time:*	N/A	*Total Gallons Purged:*	N/A

Notes: No Odor; No Purge

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Heath Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips
County:	Sumter	*Project Manager:*	Matthew Hetrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	MW-18	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	10-20	*Total Well Depth (TWD) (ft.):*	20
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	10.83	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	9.17	*1 casing volume (CV = LWC x C) (gals.):*	1.49	*5 casing volumes (5 x CV) (gals.):*	7.47

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	1.49	2.99	4.48	5.98	7.47		
Time (military)	10:25							
PH (s.u.)	5.33							
Specific Conductivity (µS/cm)	70.3							
Water Temperature (°C)	21.1							
Dissolved Oxygen (mg/L)	1.92							
Turbidity (NTU)	101.40							

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	10:25	*Duplicate: Y or N*	N	*If yes, Duplicate Time:*	N/A	*Total Gallons Purged:*	N/A

Notes: No Odor; No Purge

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Heath Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips		
County:	Sumter	*Project Manager:*	Matthew Hetrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48		

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103096	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	MW-19	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	13-23	*Total Well Depth (TWD) (ft.):*	23
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	2.69	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	20.31	*1 casing volume (CV = LWC x C) (gals.):*	3.31	*5 casing volumes (5 x CV) (gals.):*	16.55

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	3.31	6.62	9.93	13.24	16.55	6.00	
Time (military)	9:25	9:30					9:35	
PH (s.u.)	5.93	5.47					5.29	
Specific Conductivity (µS/cm)	32.4	70.3					47.3	
Water Temperature (°C)	13.9	16.4					16.1	
Dissolved Oxygen (mg/L)	0.81	1.08					1.98	
Turbidity (NTU)	43.59	61.09					144.2	

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	9:35	*Duplicate: Y or N*	N	*If yes, Duplicate Time:*	N/A	*Total Gallons Purged:*	6.00

Notes: Odor; Dry @ 6 Gallons

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Heath Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips		
County:	Sumter	*Project Manager:*	Matthew Hetrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48		

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	MW-25	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	6-16	*Total Well Depth (TWD) (ft.):*	16
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	7.56	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	8.44	*1 casing volume (CV = LWC x C) (gals.):*	1.38	*5 casing volumes (5 x CV) (gals.):*	6.88

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	1.38	2.75	4.13	5.50	6.88		
Time (military)	10:15							
PH (s.u.)	5.08							
Specific Conductivity (µS/cm)	60.1							
Water Temperature (°C)	17.3							
Dissolved Oxygen (mg/L)	5.47							
Turbidity (NTU)	17.03							

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	10:05	*Duplicate: Y or N*	N	*If yes, Duplicate Time:*	N/A	*Total Gallons Purged:*	N/A

Notes: No Odor; No Purge

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Heath Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips		
County:	Sumter	*Project Manager:*	Matthew Hetrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48		

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	MW-28	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	2-12	*Total Well Depth (TWD) (ft.):*	12
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	3.18	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	8.82	*1 casing volume (CV = LWC x C) (gals.):*	1.44	*5 casing volumes (5 x CV) (gals.):*	7.19

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	1.44	2.88	4.31	5.75	7.19		
Time (military)	9:30	9:32	9:34	9:36	9:38	9:40		
PH (s.u.)	5.35	5.40	5.47	5.38	5.41	5.33		
Specific Conductivity (µS/cm)	91.5	140.4	126.3	137.4	145.6	152.9		
Water Temperature (°C)	13.1	14.0	14.4	14.9	15.1	15.3		
Dissolved Oxygen (mg/L)	1.29	1.50	1.41	1.35	1.29	1.21		
Turbidity (NTU)	66.26	444.9	410.3	526.1	570.0	610.7		

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	9:40	*Duplicate: Y or N*	N	*If yes, Duplicate Time:*	N/A	*Total Gallons Purged:*	N/A

Notes: No Odor; Dry @ 9.5 Gallons

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Heath Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips
County:	Sumter	*Project Manager:*	Matthew Helrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	TFR-1	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	Unknown	*Total Well Depth (TWD) (ft.):*	24.4
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	14.74	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	9.66	*1 casing volume (CV = LWC x C) (gals.):*	1.57	*5 casing volumes (5 x CV) (gals.):*	7.87

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	1.57	3.15	4.72	6.30	7.87		
Time (military)	12:40							
PH (s.u.)	5.63							
Specific Conductivity (µS/cm)	56.8							
Water Temperature (°C)	20.7							
Dissolved Oxygen (mg/L)	0.71							
Turbidity (NTU)	31.70							

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	12:40	*Duplicate: Y or N*	N	*If yes, Duplicate Time:*	N/A	*Total Gallons Purged:*	N/A

Notes: Odor; Sheen; No Purge

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Heath Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips
County:	Sumter	*Project Manager:*	Matthew Hetrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	TFR-2	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	Unknown	*Total Well Depth (TWD) (ft.):*	24
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	15.34	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	8.66	*1 casing volume (CV = LWC x C) (gals.):*	1.41	*5 casing volumes (5 x CV) (gals.):*	7.06

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	1.41	2.82	4.23	5.65	7.06		
Time (military)	13:15							
PH (s.u.)	5.92							
Specific Conductivity (µS/cm)	119.1							
Water Temperature (°C)	21.7							
Dissolved Oxygen (mg/L)	0.51							
Turbidity (NTU)	113.60							

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	13:15	*Duplicate: Y or N*	N	*If yes, Duplicate Time:*	N/A	*Total Gallons Purged:*	N/A

Notes: Odor; No Purge

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Heath Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips
County:	Sumter	*Project Manager:*	Matthew Hetrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	TFR-3	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	Unknown	*Total Well Depth (TWD) (ft.):*	25.2
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	15.2	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	10	*1 casing volume (CV = LWC x C) (gals.):*	1.63	*5 casing volumes (5 x CV) (gals.):*	8.15

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	1.63	3.26	4.89	6.52	8.15	21.00	
Time (military)	11:15	11:18	11:21	11:24			11:25	
PH (s.u.)	4.97	4.84	4.76	4.80			4.91	
Specific Conductivity (µS/cm)	47.6	53.9	58.1	49.3			55.0	
Water Temperature (°C)	21.7	21.7	21.9	22.0			22.1	
Dissolved Oxygen (mg/L)	0.64	0.71	0.67	0.56			0.49	
Turbidity (NTU)	71.36	118.40	140.30	169.7			203.1	

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	11:25	*Duplicate: Y or N*	N	*If yes, Duplicate Time:*	N/A	*Total Gallons Purged:*	N/A

Notes: Slight Odor; Dry @ 21 Gallons

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Heath Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips
County:	Sumter	*Project Manager:*	Matthew Hetrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	TFR-4	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	Unknown	*Total Well Depth (TWD) (ft.):*	24.3
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	15.11	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	9.19	*1 casing volume (CV = LWC x C) (gals.):*	1.50	*5 casing volumes (5 x CV) (gals.):*	7.49

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	1.50	3.00	4.49	5.99	7.49		
Time (military)	11:35							
PH (s.u.)	Sheen							
Specific Conductivity (µS/cm)	Sheen							
Water Temperature (°C)	Sheen							
Dissolved Oxygen (mg/L)	Sheen							
Turbidity (NTU)	Sheen							

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	11:35	*Duplicate: Y or N*	N	*If yes, Duplicate Time:*	N/A	*Total Gallons Purged:*	N/A

Notes: Odor; Heavy Sheen; No Purge

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Heath Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips
County:	Sumter	*Project Manager:*	Matthew Hetrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	TFR-6	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	Unknown	*Total Well Depth (TWD) (ft.):*	22.18
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	15.05	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	7.13	*1 casing volume (CV = LWC x C) (gals.):*	1.16	*5 casing volumes (5 x CV) (gals.):*	5.81

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	1.16	2.32	3.49	4.65	5.81		
Time (military)	11:15							
PH (s.u.)	5.09							
Specific Conductivity (µS/cm)	242.9							
Water Temperature (°C)	21.5							
Dissolved Oxygen (mg/L)	0.71							
Turbidity (NTU)	42.07							

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	11:15	*Duplicate: Y or N*	N	*If yes, Duplicate Time:*	N/A	*Total Gallons Purged:*	N/A

Notes: Odor; No Purge

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2018	*Site ID #:*	08932	*Site Name:*	HQ Heath Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips		
County:	Sumter	*Project Manager:*	Matthew Hetrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48		

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	TFR-10	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	Unknown	*Total Well Depth (TWD) (ft.):*	24.92
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	14.31	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	10.61	*1 casing volume (CV = LWC x C) (gals.):*	1.73	*5 casing volumes (5 x CV) (gals.):*	8.65

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	1.73	3.46	5.19	6.92	8.65	22.00	
Time (military)	10:45	10:48	10:51	10:54			10:55	
PH (s.u.)	6.19	6.13	6.02	6.08			6.14	
Specific Conductivity (µS/cm)	85.6	92.7	98.1	89.3			81.2	
Water Temperature (°C)	21.2	21.4	21.7	21.9			22.1	
Dissolved Oxygen (mg/L)	0.58	0.65	0.71	0.76			0.69	
Turbidity (NTU)	83.25	126.4	149.7	178.2			196.3	

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	10:55	*Duplicate: Y or N*	N	*If yes, Duplicate Time:*	N/A	*Total Gallons Purged:*	22.00

Notes: Slight Odor; Dry @ 22 Gallons

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	2/9/2016	*Site ID #:*	08932	*Site Name:*	HQ Heath Self Serve 2	*Field Personnel:*	P. Wylie, C. Hansen, C. Phillips
County:	Sumter	*Project Manager:*	Matthew Hetrick	*General Weather Conditions:*	Overcast	*Ambient Air Temp (°F):*	48

Quality Assurance

Meter Name	*Serial #:*	*Calibration:*							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15E101481	*pH 4.0: Y or N*	Y	*pH 7.0: Y or N*	Y	*pH 10.0: Y or N*	Y	*S.C.: Y or N*	Y
YSI Pro 20 (Dissolved Oxygen)	14H103098	*Y or N*	Y						
MicroTPI/TPW (Turbidity)	201301174	*0.0 NTU: Y or N*	Y	*1.0 NTU: Y or N*	Y	*10.0 NTU: Y or N*	Y		

Well Information

Well ID:	TFR-12	*Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652*	0.163	*Method of Purging/Sample Collection*	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	*Screened Interval (ft.):*	Unknown	*Total Well Depth (TWD) (ft.):*	20
Depth to Free Product (DFP) (ft.):	ND	*Depth to Groundwater (DGW) (ft.):*	13.6	*Free Product Thickness (ft.):*	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	6.4	*1 casing volume (CV = LWC x C) (gals.):*	1.04	*5 casing volumes (5 x CV) (gals.):*	5.22

Purging Data

	Initial	*1st Vol.*	*2nd Vol.*	*3rd Vol.*	*4th Vol.*	*5th Vol.*	*Post*	*Sampling*
Volume Purged (gallons)	0.00	1.04	2.09	3.13	4.17	5.22		
Time (military)	10:40							
PH (s.u.)	5.78							
Specific Conductivity (µS/cm)	152.8							
Water Temperature (°C)	21.9							
Dissolved Oxygen (mg/L)	0.88							
Turbidity (NTU)	41.80							

Sampling Data

Sampled By:	P. Wylie, C. Hansen, C. Phillips	*Sampling Time:*	10:40	*Duplicate: Y or N*	N	*If yes, Duplicate Time:*	N/A	*Total Gallons Purged:*	N/A

Notes: Odor; No Purge

February 19, 2016

Midlands Environmental Consultants, Inc.

Re: Treatment of Purge Water
HQ Heath Self Serve 2
Sumter, South Carolina
SCDHEC Site ID Number 08932
MECI Project Number 15-5430

To Whom It May Concern;

Midlands Environmental Consultants, Inc. is providing the following letter as certification that treatment of the referenced purge water complied with the conditions of "Proposed Conditions for Use of Portable Activated Carbon Units for the Treatment of Small Volumes of Petroleum Hydrocarbon Contaminated Groundwater", as described in the following:

Applicability:

Groundwater treated was obtained as a result development of wells and sampling.

Conditions:

1. The purge/bail water from all wells is mixed before usage of the Activated Carbon Unit.
2. No free-product was detected in any of the purge water drums.
3. Analytical results of from well sampling show average concentrations of petroleum hydrocarbon constituents less than 5000 parts per billion (ppb) Benzene and less than 20,000 ppb total BTEX.
4. The existing carbon pack will be replaced/reactivated every 5,000 gallons.
5. Record of usage is maintained by Contractor.
6. Any and all recommendations and conditions issued by the Manufacturer have been adhered to.
7. Any and all recommendations and conditions (even on a site by site basis) issued by the SCDHEC must be adhered to.

All purge waters were treated on-site using an up-flow treatment drum loaded with 30 pounds of activated carbon. Carbon will be loaded to a maximum of 3 pounds of total organic compounds or 5,000 gallons of development/purge water, whichever occurs first.

Post Office Box 854, Lexington SC 29071 • 231 Dooley Road, Lexington, SC 29073
Telephone: (803) 808-2043 • fax: (803) 808-2048

A total of 89.50 gallons were treated on February 9, 2016, at the referenced site.

Midlands Environmental also tracks cumulative organic compounds adsorbed on the activated carbon to ensure the capacity of carbon mass is not over-charged. This data is available upon request.

Should you have any questions or comments, please contact the undersigned.

Sincerely,
Midlands Environmental Consultants, Inc.

Peter J. Wylie
Staff Hydrogeologist

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www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 3

2041424

Section A Required Client Information:

Company:	SCDHEC-UST
Address:	2600 Bull Street
	Columbia, SC 29201
Email To:	bryantjc@dhec.sc.gov
Phone:	803-898-0606
Fax:	803-898-0673
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	J. Bryant - UST
Copy To:	
Purchase Order No.:	4600422513
Project Name:	HQ Heath Self Serve 2
Project Number:	UST 08932 / PACE CA 51770

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	T. Carter
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: SC — Sumter

Section D Required Client Information

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BTEX, naptha, MTBE	1,2 DCA	Oxygenates	EDB	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW 1R	WT	G		13:05	2/9/16			6				6						X	X	X	X		Odor
2	MW 2				12:10																			Odor, Dissolved
3	MW 3				12:45																			No Odor
4	MW 4				12:35																			Odor, Slight Sheen
5	MW 5D				12:55																			No Odor
6	MW 6				12:10																			No Odor
7	MW 7				11:55																			Odor, Sheen
8	MW 8				11:01																			Odor, Duplicated
9	MW 11R				11:55																			No Odor
10	MW 12				15:00																			Odor
11	MW 13				11:00																			No Odor
12	MW 14	WT	G		10:00	2/9/16			6				6						X	X	X	X		No Odor

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
		2/10/16	738		2/10/16	738	

2

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Colin Phillips

SIGNATURE of SAMPLER: Colin Phillips — DATE Signed (MM/DD/YY): 2/9/16

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

2041425

Section A Required Client Information:

Company:	SCDHEC - UST
Address:	2600 Bull Street
	Columbia SC 29201
Email To:	BryantJC@dhec.sc.gov
Phone:	803 898 0606
Fax:	803 898 0673
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	J Bryant - UST
Copy To:	
Purchase Order No.:	4600422513
Project Name:	HQ Heath Self Serve 2
Project Number:	UST # 08932 Pace CA # 51770

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	T. Carter
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER

Site Location STATE: SC — Sumter

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N): BTEX, Naph, MTBE	1,2 DCA	Oxygenates	EDB	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW 15	WT	G			2/9/16	10:30		6				6						X	X	X	X			No Odor
2	MW 16						10:50																		No Odor
3	MW 17R						10:15																		No Odor
4	MW 18						10:00																		No Odor
5	MW 19						9:35																		Odor
6	MW 25						10:05																		No Odor
7	MW 28						9:40																		No Odor
8	TFR 1						12:40																		Odor Sheen
9	TFR 2						13:15																		Odor, Sheen
10	TFR 3						11:25																		Slight Odor
11	TFR 4	↓	↓			↓	11:55		↓				↓						↓	↓	↓	↓			Odor Heavy Sheen
12	TFR 6	WT	G			2/9/16	11:15		6				6						X	X	X	X			Odor

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
		2/10/16	738		2/10/16	738	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Colin Phillips

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2/9/16

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

2

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 3 of 3

2041426

Section A Required Client Information:

Company:	SCDHEC - UST
Address:	2600 Bull Street
	Columbia SC 29201
Email To:	Bryant Jc@dhec.sc.gov
Phone:	803 898 0606
Fax:	803 898 0673
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	J Bryant - UST
Copy To:	
Purchase Order No.:	4600422513
Project Name:	HA Heath Self Serve 2
Project Number:	UST # 08932 Pace CA # 51770

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	T Carter
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: SC — Sumter

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BTEX Naptn mtbe 1,2 DCA Oxygenates EDB	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	TFR 10	WT	G			2/9/16	10:35		6				6						X X X X		Slight Odor
2	TFR 12						10:40														Odor
3	MW 2 duplicate						11:15														Odor
4	MW 8 duplicate						11:01														Odor
5	Field Blank						15:00		6				6						X X X X		
6	Trip Blank	WT	G			2/9/16	15:00		2				2						X X X		
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
		2/9/16	738		2/9/16	738	

2

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Colin Phillips

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2/9/16

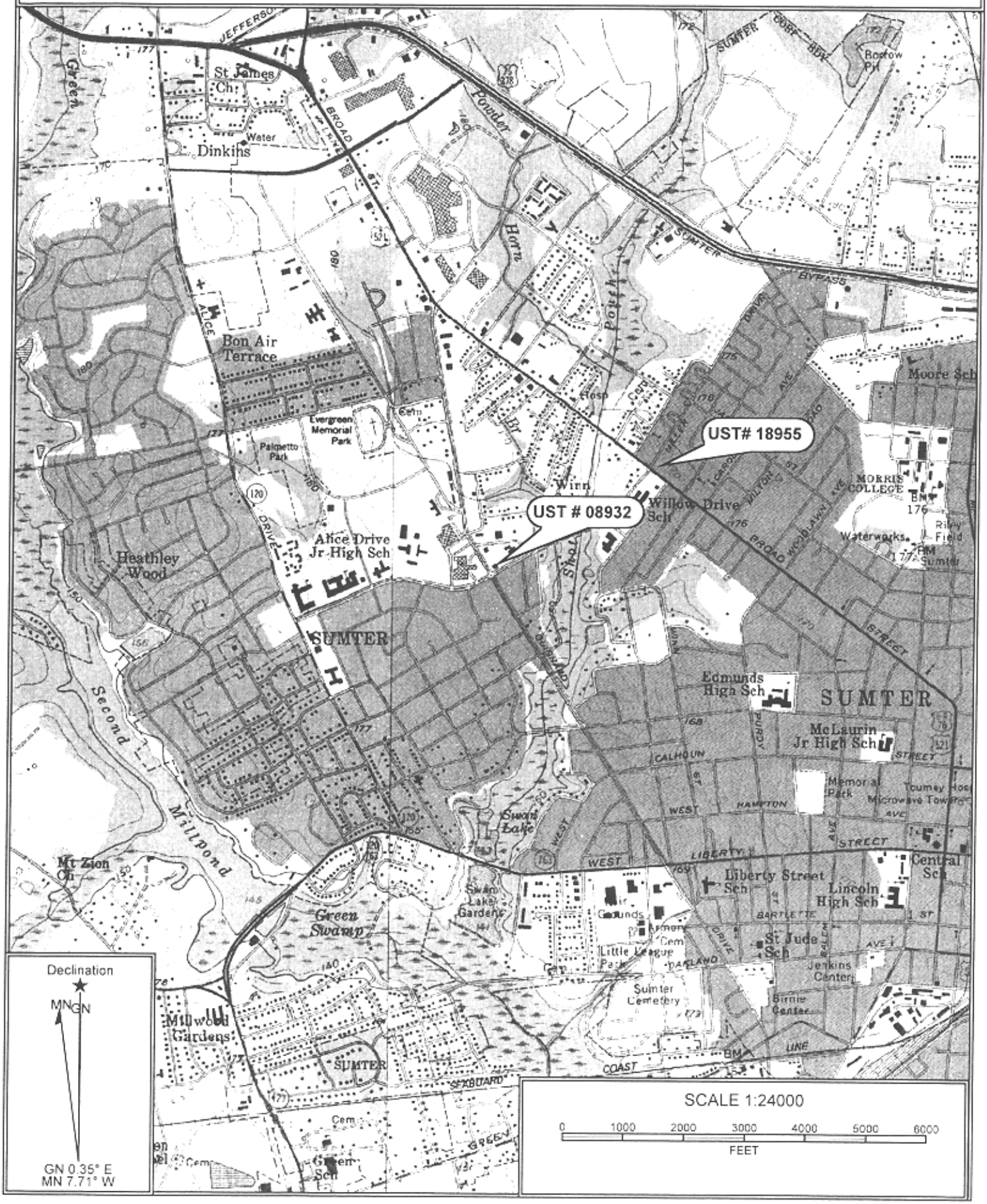
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

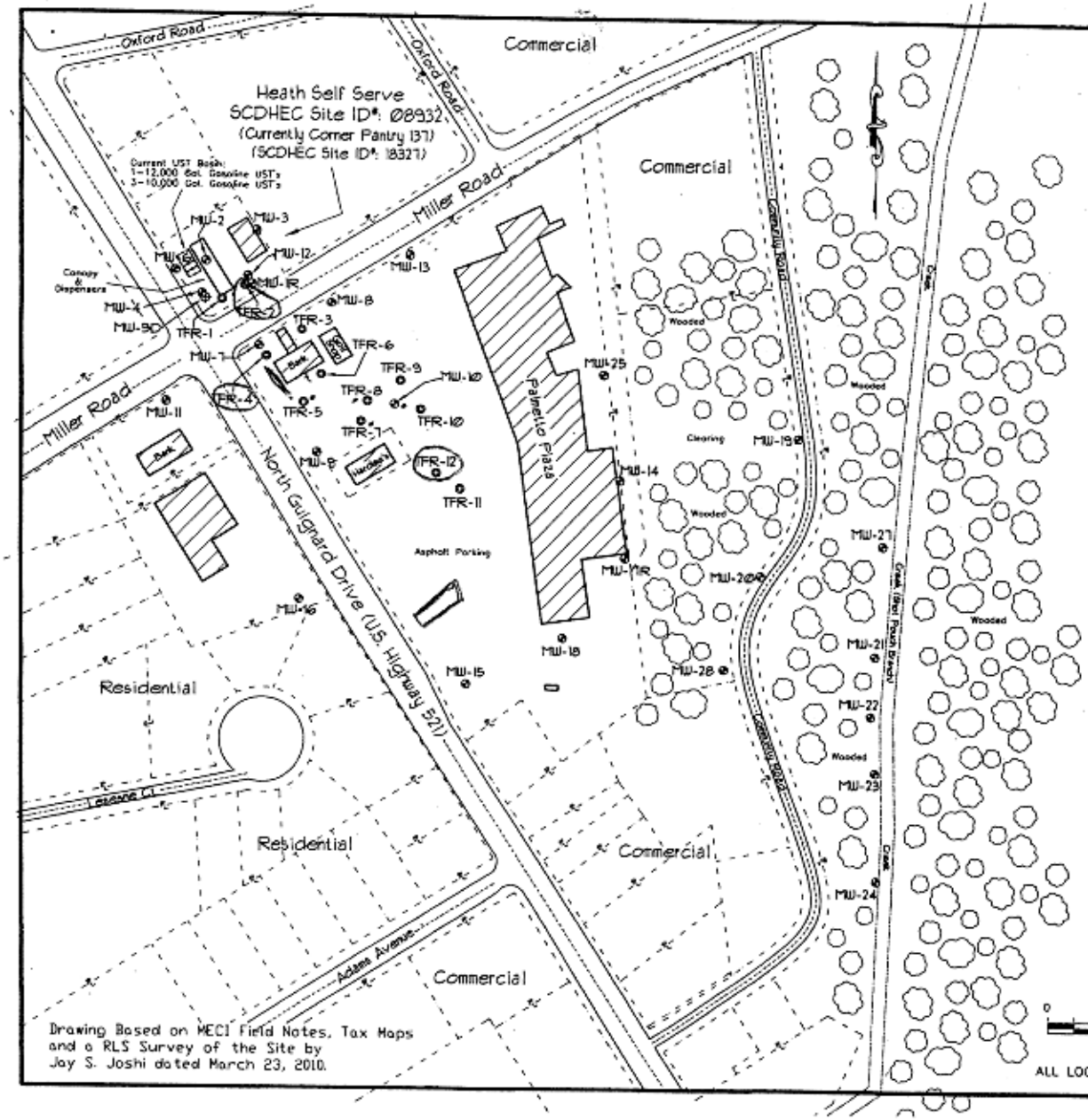
*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Map Name: SUMTER EAST
Print Date: 01/25/16

Scale: 1 inch = 2,000 ft.
Map Center: 033° 55' 58.18" N, 080° 22'

Horizontal Datum: NAD27





Explanation:

- Location of Water Table Bracketing Monitoring Well
- Location of 4-inch Recovery Well
- Location of Double Cased Monitoring Well
- Estimated Location of Existing Underground Storage Tanks
- Property Line

Groundwater Elevation Data

Well #	Date Sampled	Depth to Water (feet)	Well Head Elevation	Groundwater Elevation
MW-1R	3/17/10	16.51	171.85	155.34
MW-11R	3/17/10	15.19	170.33	155.14
MW-17R	3/17/10	11.73	163.81	152.08
MW-19	3/17/10	3.38	149.34	145.96
MW-28	3/17/10	4.81	153.73	148.92

Notes:

Depth to groundwater measured on March 17, 2010.

COC Concentration Data

Sample #	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Total Xylenes (ug/l)	Total BTEX (ug/l)	MTBE (ug/l)	Naphthalene (ug/l)
MW-1R	2,840	34,800	5,860	28,500	72,000	<250	829
MW-11R	13.0	70.2	36.3	175	294.5	<5.0	<5.0
MW-17R	4,450	6,450	919	3,670	15,489	198	164
MW-19	134	<5.0	<5.0	<10.0	134	12.7	5.0
MW-28	<5.0	<5.0	<5.0	<10.0	BDL	<5.0	<5.0

Notes: Groundwater samples collected on March 17, 2010.
BDL = Below Detection Limits

GRAPHIC SCALE
0 100 200 300 400
1IN = 200FT

ALL LOCATIONS ARE APPROXIMATE

Site Features

Heath Self Serve 2
Sumter, South Carolina
SCDHEC Site ID# 08932

Midlands Environmental Consultants, Inc.

JOB NO. 11-3336
DATE August 22, 2011
FIGURE 3

Pace Analytical Services, Inc.
9800 Kincey Ave Suite 100
Huntersville, NC 28078
(704)875-9092

UST
FEB 2 6 2016
PROGRAM

February 18, 2016

Mr. John Bryant
SCDHEC
UST Program
2600 Bull Street
Columbia, SC 29201

RE: Project: HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

Dear Mr. Bryant:
Enclosed are the analytical results for sample(s) received by the laboratory on February 10, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Trey Carter
trey.carter@pacelabs.com
Project Manager

Enclosures

cc: Ashleigh Thrash, SCHDEC

Pace Analytical Services, Inc.
9800 Kincey Ave Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project HQ HEATH UST08932 PACECA51770
Pace Project No : 92285928

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification # 84
Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, Inc

Pace Analytical Services, Inc.
9800 Kincey Ave Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92285928001	MW 1R	Water	02/09/16 13:05	02/10/16 07:38
92285928002	MW 2	Water	02/09/16 12 10	02/10/16 07:38
92285928003	MW 3	Water	02/09/16 12 45	02/10/16 07:38
92285928004	MW 4	Water	02/09/16 12 35	02/10/16 07 38
92285928005	MW 5D	Water	02/09/16 12:55	02/10/16 07:38
92285928006	MW 6	Water	02/09/16 12:10	02/10/16 07.38
92285928007	MW 7	Water	02/09/16 11:35	02/10/16 07:38
92285928008	MW 8	Water	02/09/16 11 01	02/10/16 07:38
92285928009	MW 11R	Water	02/09/16 11:55	02/10/16 07:38
92285928010	MW 12	Water	02/09/16 13 00	02/10/16 07:38
92285928011	MW 13	Water	02/09/16 11:00	02/10/16 07 38
92285928012	MW 14	Water	02/09/16 10:00	02/10/16 07 38
92285928013	MW 15	Water	02/09/16 10:30	02/10/16 07 38
92285928014	MW 16	Water	02/09/16 11 50	02/10/16 07 38
92285928015	MW 17R	Water	02/09/16 10:15	02/10/16 07.38
92285928016	MW 18	Water	02/09/16 10:25	02/10/16 07:38
92285928017	MW 19	Water	02/09/16 09 35	02/10/16 07.38
92285928018	MW 25	Water	02/09/16 10 05	02/10/16 07.38
92285928019	MW 28	Water	02/09/16 09 40	02/10/16 07:38
92285928020	TFR 1	Water	02/09/16 12:40	02/10/16 07 38
92285928021	TFR 2	Water	02/09/16 13:15	02/10/16 07:38
92285928022	TFR 3	Water	02/09/16 11:25	02/10/16 07.38
92285928023	TFR 4	Water	02/09/16 11 35	02/10/16 07:38
92285928024	TFR 6	Water	02/09/16 11.15	02/10/16 07:38
92285928025	TFR 10	Water	02/09/16 10 55	02/10/16 07:38
92285928026	TFR 12	Water	02/09/16 10:40	02/10/16 07:38
92285928027	MW2 DUPLICATE	Water	02/09/16 12 10	02/10/16 07:38
92285928028	MW8 DUPLICATE	Water	02/09/16 11:01	02/10/16 07 38
92285928029	FIELD BLANK	Water	02/09/16 15:00	02/10/16 07 38
92285928030	TRIP BLANK	Water	02/09/16 15:01	02/10/16 07 38

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SAMPLE ANALYTE COUNT

Project: HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92285928001	MW 1R	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92285928002	MW 2	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92285928003	MW 3	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92285928004	MW 4	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92285928005	MW 5D	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92285928006	MW 6	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92285928007	MW 7	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92285928008	MW 8	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92285928009	MW 11R	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92285928010	MW 12	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92285928011	MW 13	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92285928012	MW 14	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92285928013	MW 15	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92285928014	MW 16	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92285928015	MW 17R	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92285928016	MW 18	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92285928017	MW 19	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92285928018	MW 25	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92285928019	MW 28	EPA 8011	HSK	2	PASI-C

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SAMPLE ANALYTE COUNT

Project HQ HEATH UST08932 PACECA51770
Pace Project No. 92285928

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	GAW	20	PASI-C
92285928020	**TFR 1**	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92285928021	**TFR 2**	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92285928022	**TFR 3**	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92285928023	**TFR 4**	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92285928024	**TFR 6**	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92285928025	**TFR 10**	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92285928026	**TFR 12**	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92285928027	**MW2 DUPLICATE**	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92285928028	**MW8 DUPLICATE**	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92285928029	**FIELD BLANK**	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92285928030	**TRIP BLANK**	EPA 8260	GAW	20	PASI-C

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SUMMARY OF DETECTION

Project: HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92285928001	**MW 1R**					
EPA 8011	1,2-Dibromoethane (EDB)	2.4	ug/L	0 079	02/12/16 13:43	
EPA 8260	Benzene	499	ug/L	250	02/16/16 16 23	
EPA 8260	Ethylbenzene	2100	ug/L	250	02/16/16 16 23	
EPA 8260	Naphthalene	388	ug/L	250	02/16/16 16 23	
EPA 8260	Toluene	8820	ug/L	250	02/16/16 16.23	
EPA 8260	Xylene (Total)	11400	ug/L	500	02/16/16 16:23	
EPA 8260	m&p-Xylene	7950	ug/L	500	02/16/16 16:23	
EPA 8260	o-Xylene	3450	ug/L	250	02/16/16 16 23	
92285928002	**MW 2**					
EPA 8260	Benzene	20 1	ug/L	5.0	02/12/16 18 10	
EPA 8260	Ethylbenzene	158	ug/L	5.0	02/12/16 18:10	
EPA 8260	Toluene	9.5	ug/L	5.0	02/12/16 18:10	
EPA 8260	Xylene (Total)	118	ug/L	10.0	02/12/16 18:10	
EPA 8260	m&p-Xylene	109	ug/L	10.0	02/12/16 18 10	
EPA 8260	o-Xylene	8 7	ug/L	5 0	02/12/16 18 10	
92285928004	**MW 4**					
EPA 8011	1,2-Dibromoethane (EDB)	0.049	ug/L	0 029	02/14/16 14:24	
EPA 8260	Benzene	47.9	ug/L	25 0	02/12/16 20:49	
EPA 8260	Ethylbenzene	119	ug/L	25.0	02/12/16 20:49	
EPA 8260	Toluene	622	ug/L	25.0	02/12/16 20 49	
EPA 8260	Xylene (Total)	673	ug/L	50.0	02/12/16 20:49	
EPA 8260	m&p-Xylene	473	ug/L	50 0	02/12/16 20.49	
EPA 8260	o-Xylene	200	ug/L	25.0	02/12/16 20:49	
92285928005	**MW 5D**					
EPA 8260	Methyl-tert-butyl ether	4.9J	ug/L	5 0	02/11/16 17 03	
92285928007	**MW 7**					
EPA 8011	1,2-Dibromoethane (EDB)	148	ug/L	8.0	02/12/16 14:03	
EPA 8260	Benzene	9270	ug/L	1250	02/11/16 17:38	
EPA 8260	Ethylbenzene	3620	ug/L	1250	02/11/16 17:38	
EPA 8260	Naphthalene	1240J	ug/L	1250	02/11/16 17 38	
EPA 8260	Toluene	38300	ug/L	1250	02/11/16 17 38	
EPA 8260	Xylene (Total)	30300	ug/L	2500	02/11/16 17.38	
EPA 8260	m&p-Xylene	20600	ug/L	2500	02/11/16 17:38	
EPA 8260	o-Xylene	9730	ug/L	1250	02/11/16 17:38	
92285928008	**MW 8**					
EPA 8011	1,2-Dibromoethane (EDB)	22.9	ug/L	0 99	02/12/16 14 23	
EPA 8260	Benzene	1370	ug/L	500	02/11/16 17:55	
EPA 8260	Ethylbenzene	687	ug/L	500	02/11/16 17.55	
EPA 8260	Naphthalene	448J	ug/L	500	02/11/16 17:55	
EPA 8260	Toluene	11700	ug/L	500	02/11/16 17:55	
EPA 8260	Xylene (Total)	8440	ug/L	1000	02/11/16 17 55	
EPA 8260	m&p-Xylene	4990	ug/L	1000	02/11/16 17 55	
EPA 8260	o-Xylene	3450	ug/L	500	02/11/16 17 55	

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SUMMARY OF DETECTION

Project HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92285928010	**MW 12**					
EPA 8011	1,2-Dibromoethane (EDB)	0 61	ug/L	0 020	02/11/16 22:20	
EPA 8260	Benzene	189	ug/L	62.5	02/12/16 21 05	
EPA 8260	Ethylbenzene	125	ug/L	62 5	02/12/16 21 05	
EPA 8260	Naphthalene	165	ug/L	62.5	02/12/16 21:05	
EPA 8260	Toluene	901	ug/L	62 5	02/12/16 21 05	
EPA 8260	Xylene (Total)	3780	ug/L	125	02/12/16 21 05	
EPA 8260	m&p-Xylene	2360	ug/L	125	02/12/16 21:05	
EPA 8260	o-Xylene	1420	ug/L	62 5	02/12/16 21:05	
92285928013	**MW 15**					
EPA 8260	tert-Amyl Alcohol	90.0J	ug/L	100	02/11/16 19:21	
92285928015	**MW 17R**					
EPA 8260	tert-Amyl Alcohol	86.6J	ug/L	100	02/12/16 18 26	
EPA 8260	Benzene	8.0	ug/L	5 0	02/12/16 18 26	
EPA 8260	1,2-Dichloroethane	6 1	ug/L	5 0	02/12/16 18 26	
EPA 8260	Methyl-tert-butyl ether	11 1	ug/L	5 0	02/12/16 18 26	
EPA 8260	Toluene	4.4J	ug/L	5 0	02/12/16 18.26	
EPA 8260	m&p-Xylene	3.3J	ug/L	10.0	02/12/16 18 26	
92285928017	**MW 19**					
EPA 8260	tert-Amyl Alcohol	397	ug/L	100	02/12/16 04:17	
EPA 8260	Benzene	26 1	ug/L	5.0	02/12/16 04 17	
EPA 8260	tert-Butyl Alcohol	61.8J	ug/L	100	02/12/16 04:17	
EPA 8260	1,2-Dichloroethane	5 2	ug/L	5.0	02/12/16 04:17	
EPA 8260	Methyl-tert-butyl ether	19 8	ug/L	5.0	02/12/16 04:17	
EPA 8260	Naphthalene	4 3J	ug/L	5.0	02/12/16 04:17	
92285928020	**TFR 1**					
EPA 8011	1,2-Dibromoethane (EDB)	27.9	ug/L	0.99	02/12/16 14:42	
EPA 8260	Benzene	479	ug/L	200	02/16/16 16:40	
EPA 8260	Ethylbenzene	616	ug/L	200	02/16/16 16:40	
EPA 8260	Naphthalene	239	ug/L	200	02/16/16 16:40	
EPA 8260	Toluene	6640	ug/L	200	02/16/16 16:40	
EPA 8260	Xylene (Total)	13400	ug/L	400	02/16/16 16 40	
EPA 8260	m&p-Xylene	8730	ug/L	400	02/16/16 16 40	
EPA 8260	o-Xylene	4660	ug/L	200	02/16/16 16 40	
92285928021	**TFR 2**					
EPA 8011	1,2-Dibromoethane (EDB)	0.23	ug/L	0.020	02/12/16 03 31	
EPA 8260	tert-Amyl Alcohol	82.2J	ug/L	100	02/12/16 05 26	
EPA 8260	tert-Amylmethyl ether	4 1J	ug/L	10.0	02/12/16 05 26	
EPA 8260	Benzene	209	ug/L	62.5	02/12/16 14:21	
EPA 8260	Ethylbenzene	105	ug/L	5.0	02/12/16 05:26	
EPA 8260	Methyl-tert-butyl ether	6 2	ug/L	5.0	02/12/16 05:26	
EPA 8260	Naphthalene	47 9	ug/L	5.0	02/12/16 05 26	
EPA 8260	Toluene	1870	ug/L	62 5	02/12/16 14 21	
EPA 8260	Xylene (Total)	2660	ug/L	125	02/12/16 14:21	
EPA 8260	m&p-Xylene	1710	ug/L	125	02/12/16 14:21	

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SUMMARY OF DETECTION

Project: HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92285928021	**TFR 2**					
EPA 8260	o-Xylene	953	ug/L	62.5	02/12/16 14:21	
92285928022	**TFR 3**					
EPA 8011	1,2-Dibromoethane (EDB)	78 2	ug/L	3.9	02/12/16 15 02	
EPA 8260	Benzene	3250	ug/L	125	02/12/16 05.43	
EPA 8260	Ethylbenzene	363	ug/L	125	02/12/16 05:43	
EPA 8260	Naphthalene	225	ug/L	125	02/12/16 05:43	
EPA 8260	Toluene	10800	ug/L	500	02/12/16 15 35	
EPA 8260	Xylene (Total)	11200	ug/L	250	02/12/16 05.43	
EPA 8260	m&p-Xylene	7550	ug/L	250	02/12/16 05:43	
EPA 8260	o-Xylene	3690	ug/L	125	02/12/16 05:43	
92285928023	**TFR 4**					
EPA 8011	1,2-Dibromoethane (EDB)	30.3	ug/L	2 0	02/12/16 15:22	
EPA 8260	Benzene	3400	ug/L	500	02/16/16 16:58	
EPA 8260	Ethylbenzene	1110	ug/L	500	02/16/16 16 58	
EPA 8260	Naphthalene	587	ug/L	500	02/16/16 16:58	
EPA 8260	Toluene	12400	ug/L	500	02/16/16 16:58	M1
EPA 8260	Xylene (Total)	18100	ug/L	1000	02/16/16 16:58	
EPA 8260	m&p-Xylene	12200	ug/L	1000	02/16/16 16 58	
EPA 8260	o-Xylene	5940	ug/L	500	02/16/16 16:58	
92285928024	**TFR 6**					
EPA 8011	1,2-Dibromoethane (EDB)	209	ug/L	9 9	02/12/16 15 42	
EPA 8260	tert-Amyl Alcohol	5260	ug/L	5000	02/12/16 06 18	
EPA 8260	Benzene	9950	ug/L	250	02/12/16 06:18	
EPA 8260	1,2-Dichloroethane	130J	ug/L	250	02/12/16 06:18	
EPA 8260	Ethylbenzene	3290	ug/L	250	02/12/16 06 18	
EPA 8260	Naphthalene	495	ug/L	250	02/12/16 06 18	
EPA 8260	Toluene	49300	ug/L	2000	02/12/16 15:52	
EPA 8260	Xylene (Total)	20400	ug/L	500	02/12/16 06:18	
EPA 8260	m&p-Xylene	14000	ug/L	500	02/12/16 06 18	
EPA 8260	o-Xylene	6390	ug/L	250	02/12/16 06.18	
92285928025	**TFR 10**					
EPA 8011	1,2-Dibromoethane (EDB)	6 1	ug/L	0 22	02/12/16 16 02	
EPA 8260	tert-Amyl Alcohol	315	ug/L	100	02/12/16 18 42	
EPA 8260	Benzene	96.7	ug/L	5 0	02/12/16 18:42	
EPA 8260	1,2-Dichloroethane	16 5	ug/L	5 0	02/12/16 18:42	
EPA 8260	Ethylbenzene	19 3	ug/L	5 0	02/12/16 18 42	
EPA 8260	Naphthalene	5.9	ug/L	5.0	02/12/16 18.42	
EPA 8260	Toluene	149	ug/L	5.0	02/12/16 18:42	
EPA 8260	Xylene (Total)	155	ug/L	10.0	02/12/16 18:42	
EPA 8260	m&p-Xylene	107	ug/L	10.0	02/12/16 18 42	
EPA 8260	o-Xylene	47.6	ug/L	5.0	02/12/16 18 42	
92285928026	**TFR 12**					
EPA 8011	1,2-Dibromoethane (EDB)	57 6	ug/L	2 0	02/16/16 17 26	
EPA 8260	Benzene	2110	ug/L	250	02/12/16 21 52	

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SUMMARY OF DETECTION

Project HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92285928026	**TFR 12**					
EPA 8260	1,2-Dichloroethane	110J	ug/L	250	02/12/16 21:52	
EPA 8260	Ethylbenzene	392	ug/L	250	02/12/16 21:52	
EPA 8260	Toluene	6460	ug/L	250	02/12/16 21 52	
EPA 8260	Xylene (Total)	2930	ug/L	500	02/12/16 21 52	
EPA 8260	m&p-Xylene	1960	ug/L	500	02/12/16 21 52	
EPA 8260	o-Xylene	971	ug/L	250	02/12/16 21.52	
92285928027	**MW2 DUPLICATE**					
EPA 8260	Benzene	17 8	ug/L	5 0	02/12/16 18:58	
EPA 8260	Ethylbenzene	138	ug/L	5.0	02/12/16 18:58	
EPA 8260	Toluene	8 4	ug/L	5.0	02/12/16 18:58	
EPA 8260	Xylene (Total)	108	ug/L	10 0	02/12/16 18 58	
EPA 8260	m&p-Xylene	100	ug/L	10 0	02/12/16 18:58	
EPA 8260	o-Xylene	7.9	ug/L	5 0	02/12/16 18:58	
92285928028	**MW8 DUPLICATE**					
EPA 8011	1,2-Dibromoethane (EDB)	18 9	ug/L	0 99	02/12/16 16:41	
EPA 8260	Benzene	1510	ug/L	500	02/12/16 07:27	
EPA 8260	Ethylbenzene	791	ug/L	500	02/12/16 07:27	
EPA 8260	Naphthalene	511	ug/L	500	02/12/16 07:27	
EPA 8260	Toluene	13000	ug/L	500	02/12/16 07:27	
EPA 8260	Xylene (Total)	9450	ug/L	1000	02/12/16 07:27	
EPA 8260	m&p-Xylene	5640	ug/L	1000	02/12/16 07:27	
EPA 8260	o-Xylene	3810	ug/L	500	02/12/16 07:27	

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ANALYTICAL RESULTS

Project: HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

Sample: MW 1R **Lab ID: 92285928001** Collected: 02/09/16 13:05 Received 02/10/16 07:38 Matrix Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**2.4**	ug/L	0 079	0.079	4	02/11/16 14:01	02/12/16 13:43	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	112	%	60-140		4	02/11/16 14:01	02/12/16 13:43	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	5000	3840	50		02/16/16 16:23	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	170	50		02/16/16 16:23	994-05-8	
Benzene	**499**	ug/L	250	85 0	50		02/16/16 16 23	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	1600	50		02/16/16 16 23	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	2880	50		02/16/16 16:23	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	365	50		02/16/16 16:23	762-75-4	
1,2-Dichloroethane	ND	ug/L	250	90.0	50		02/16/16 16:23	107-06-2	
Diisopropyl ether	ND	ug/L	250	85.0	50		02/16/16 16:23	108-20-3	
Ethanol	ND	ug/L	10000	6890	50		02/16/16 16 23	64-17-5	
Ethylbenzene	**2100**	ug/L	250	80 0	50		02/16/16 16.23	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	180	50		02/16/16 16:23	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	250	85.0	50		02/16/16 16:23	1634-04-4	
Naphthalene	**388**	ug/L	250	100	50		02/16/16 16.23	91-20-3	
Toluene	**8820**	ug/L	250	80 0	50		02/16/16 16 23	108-88-3	
Xylene (Total)	**11400**	ug/L	500	135	50		02/16/16 16:23	1330-20-7	
m&p-Xylene	**7950**	ug/L	500	155	50		02/16/16 16:23	179601-23-1	
o-Xylene	**3450**	ug/L	250	80.0	50		02/16/16 16 23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		50		02/16/16 16 23	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		50		02/16/16 16 23	17060-07-0	
Toluene-d8 (S)	100	%	70-130		50		02/16/16 16:23	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ HEATH UST08932 PACECA51770
Pace Project No 92285928

Sample: MW 2 **Lab ID: 92285928002** Collected: 02/09/16 12:10 Received 02/10/16 07 38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method EPA 8011 Preparation Method. EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0 020	1	02/11/16 14.02	02/11/16 18 45	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	110	%	60-140		1	02/11/16 14 02	02/11/16 18 45	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76 8	1		02/12/16 18:10	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		02/12/16 18:10	994-05-8	
Benzene	**20.1**	ug/L	5 0	1 7	1		02/12/16 18 10	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		02/12/16 18 10	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		02/12/16 18.10	75-65-0	
tert-Butyl Formate	ND	ug/L	50 0	7 3	1		02/12/16 18 10	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1 8	1		02/12/16 18 10	107-06-2	
Diisopropyl ether	ND	ug/L	5 0	1 7	1		02/12/16 18 10	108-20-3	
Ethanol	ND	ug/L	200	138	1		02/12/16 18:10	64-17-5	
Ethylbenzene	**158**	ug/L	5 0	1.6	1		02/12/16 18:10	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10 0	3.6	1		02/12/16 18:10	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1 7	1		02/12/16 18 10	1634-04-4	
Naphthalene	ND	ug/L	5.0	2 0	1		02/12/16 18 10	91-20-3	
Toluene	**9.5**	ug/L	5.0	1 6	1		02/12/16 18 10	108-88-3	
Xylene (Total)	**118**	ug/L	10 0	2 7	1		02/12/16 18 10	1330-20-7	
m&p-Xylene	**109**	ug/L	10.0	3 1	1		02/12/16 18 10	179601-23-1	
o-Xylene	**8.7**	ug/L	5.0	1 6	1		02/12/16 18 10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		02/12/16 18:10	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		02/12/16 18:10	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		02/12/16 18:10	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ HEATH UST08932 PACECA51770
Pace Project No: 92285928

Sample: MW 3 **Lab ID: 92285928003** Collected: 02/09/16 12:45 Received: 02/10/16 07 38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method. EPA 8011 Preparation Method EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	02/11/16 14:02	02/11/16 19 44	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	74	%	60-140		1	02/11/16 14:02	02/11/16 19.44	301-79-56	
8260 MSV	Analytical Method EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76 8	1		02/11/16 16 29	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		02/11/16 16 29	994-05-8	
Benzene	ND	ug/L	5.0	1 7	1		02/11/16 16.29	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		02/11/16 16:29	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57 7	1		02/11/16 16:29	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		02/11/16 16 29	762-75-4	
1,2-Dichloroethane	ND	ug/L	5 0	1.8	1		02/11/16 16 29	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1 7	1		02/11/16 16 29	108-20-3	
Ethanol	ND	ug/L	200	138	1		02/11/16 16:29	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1 6	1		02/11/16 16:29	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		02/11/16 16.29	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5 0	1.7	1		02/11/16 16 29	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		02/11/16 16 29	91-20-3	
Toluene	ND	ug/L	5.0	1 6	1		02/11/16 16 29	108-88-3	
Xylene (Total)	ND	ug/L	10 0	2 7	1		02/11/16 16:29	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3 1	1		02/11/16 16:29	179601-23-1	
o-Xylene	ND	ug/L	5 0	1.6	1		02/11/16 16 29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		1		02/11/16 16:29	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		02/11/16 16:29	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		02/11/16 16:29	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ HEATH UST08932 PACECA51770
Pace Project No: 92285928

Sample: MW 4 **Lab ID: 92285928004** Collected: 02/09/16 12.35 Received: 02/10/16 07 38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No	Qual
8011 GCS EDB and DBCP	Analytical Method EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**0.049**	ug/L	0.029	0 029	1	02/14/16 12.04	02/14/16 14 24	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	13	%	60-140		1	02/14/16 12 04	02/14/16 14:24	301-79-56	S2
8260 MSV	Analytical Method EPA 8260								
tert-Amyl Alcohol	ND	ug/L	500	384	5		02/12/16 20:49	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	17.0	5		02/12/16 20.49	994-05-8	
Benzene	**47.9**	ug/L	25.0	8 5	5		02/12/16 20:49	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	160	5		02/12/16 20 49	624-95-3	
tert-Butyl Alcohol	ND	ug/L	500	288	5		02/12/16 20 49	75-65-0	
tert-Butyl Formate	ND	ug/L	250	36 5	5		02/12/16 20.49	762-75-4	
1,2-Dichloroethane	ND	ug/L	25 0	9.0	5		02/12/16 20 49	107-06-2	
Diisopropyl ether	ND	ug/L	25.0	8 5	5		02/12/16 20:49	108-20-3	
Ethanol	ND	ug/L	1000	689	5		02/12/16 20:49	64-17-5	L3
Ethylbenzene	**119**	ug/L	25.0	8.0	5		02/12/16 20:49	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50 0	18.0	5		02/12/16 20 49	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	25.0	8.5	5		02/12/16 20 49	1634-04-4	
Naphthalene	ND	ug/L	25.0	10.0	5		02/12/16 20 49	91-20-3	
Toluene	**622**	ug/L	25.0	8 0	5		02/12/16 20:49	108-88-3	
Xylene (Total)	**673**	ug/L	50.0	13 5	5		02/12/16 20:49	1330-20-7	
m&p-Xylene	**473**	ug/L	50 0	15 5	5		02/12/16 20:49	179601-23-1	
o-Xylene	**200**	ug/L	25 0	8.0	5		02/12/16 20 49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		5		02/12/16 20 49	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		5		02/12/16 20.49	17060-07-0	
Toluene-d8 (S)	100	%	70-130		5		02/12/16 20:49	2037-26-5	

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ANALYTICAL RESULTS

Project HQ HEATH UST08932 PACECA51770
Pace Project No 92285928

Sample: MW 5D **Lab ID: 92285928005** Collected: 02/09/16 12:55 Received: 02/10/16 07 38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0 020	0 020	1	02/11/16 14:03	02/11/16 20:42	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	101	%	60-140		1	02/11/16 14:03	02/11/16 20:42	301-79-56	
8260 MSV	Analytical Method EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76 8	1		02/11/16 17 03	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10 0	3.4	1		02/11/16 17 03	994-05-8	
Benzene	ND	ug/L	5 0	1.7	1		02/11/16 17.03	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32 1	1		02/11/16 17 03	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57 7	1		02/11/16 17 03	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7 3	1		02/11/16 17:03	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1 8	1		02/11/16 17:03	107-06-2	
Diisopropyl ether	ND	ug/L	5 0	1 7	1		02/11/16 17:03	108-20-3	
Ethanol	ND	ug/L	200	138	1		02/11/16 17 03	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1 6	1		02/11/16 17 03	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3 6	1		02/11/16 17 03	637-92-3	
Methyl-tert-butyl ether	**4.9J**	ug/L	5.0	1 7	1		02/11/16 17 03	1634-04-4	
Naphthalene	ND	ug/L	5 0	2.0	1		02/11/16 17 03	91-20-3	
Toluene	ND	ug/L	5 0	1.6	1		02/11/16 17.03	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		02/11/16 17 03	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		02/11/16 17 03	179601-23-1	
o-Xylene	ND	ug/L	5 0	1 6	1		02/11/16 17.03	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		02/11/16 17 03	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		02/11/16 17 03	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		02/11/16 17 03	2037-26-5	

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ANALYTICAL RESULTS

Project HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

Sample: MW 6 **Lab ID: 92285928006** Collected 02/09/16 12:10 Received 02/10/16 07.38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0 020	1	02/11/16 14:03	02/11/16 21:02	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	136	%	60-140		1	02/11/16 14:03	02/11/16 21:02	301-79-56	
8260 MSV	Analytical Method. EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76 8	1		02/11/16 17:21	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10 0	3.4	1		02/11/16 17 21	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		02/11/16 17:21	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32 1	1		02/11/16 17:21	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		02/11/16 17.21	75-65-0	
tert-Butyl Formate	ND	ug/L	50 0	7 3	1		02/11/16 17.21	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1 8	1		02/11/16 17:21	107-06-2	
Diisopropyl ether	ND	ug/L	5 0	1 7	1		02/11/16 17:21	108-20-3	
Ethanol	ND	ug/L	200	138	1		02/11/16 17:21	64-17-5	
Ethylbenzene	ND	ug/L	5 0	1 6	1		02/11/16 17:21	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3 6	1		02/11/16 17:21	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5 0	1 7	1		02/11/16 17 21	1634-04-4	
Naphthalene	ND	ug/L	5 0	2 0	1		02/11/16 17 21	91-20-3	
Toluene	ND	ug/L	5 0	1.6	1		02/11/16 17 21	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		02/11/16 17 21	1330-20-7	
m&p-Xylene	ND	ug/L	10 0	3.1	1		02/11/16 17.21	179601-23-1	
o-Xylene	ND	ug/L	5.0	1 6	1		02/11/16 17 21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		02/11/16 17:21	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		02/11/16 17:21	17060-07-0	
Toluene-d8 (S)	107	%	70-130		1		02/11/16 17:21	2037-26-5	

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ANALYTICAL RESULTS

Project HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

Sample: MW 7 **Lab ID: 92285928007** Collected: 02/09/16 11:35 Received: 02/10/16 07:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**148**	ug/L	8.0	8.0	400	02/11/16 14:03	02/12/16 14:03	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		400	02/11/16 14:03	02/12/16 14:03	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	25000	19200	250		02/11/16 17:38	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2500	850	250		02/11/16 17:38	994-05-8	
Benzene	**9270**	ug/L	1250	425	250		02/11/16 17:38	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	25000	8020	250		02/11/16 17:38	624-95-3	
tert-Butyl Alcohol	ND	ug/L	25000	14400	250		02/11/16 17:38	75-65-0	
tert-Butyl Formate	ND	ug/L	12500	1820	250		02/11/16 17:38	762-75-4	
1,2-Dichloroethane	ND	ug/L	1250	450	250		02/11/16 17:38	107-06-2	
Diisopropyl ether	ND	ug/L	1250	425	250		02/11/16 17:38	108-20-3	
Ethanol	ND	ug/L	50000	34400	250		02/11/16 17:38	64-17-5	
Ethylbenzene	**3620**	ug/L	1250	400	250		02/11/16 17:38	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2500	900	250		02/11/16 17:38	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1250	425	250		02/11/16 17:38	1634-04-4	
Naphthalene	**1240J**	ug/L	1250	500	250		02/11/16 17:38	91-20-3	
Toluene	**38300**	ug/L	1250	400	250		02/11/16 17:38	108-88-3	
Xylene (Total)	**30300**	ug/L	2500	675	250		02/11/16 17:38	1330-20-7	
m&p-Xylene	**20600**	ug/L	2500	775	250		02/11/16 17:38	179601-23-1	
o-Xylene	**9730**	ug/L	1250	400	250		02/11/16 17:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		250		02/11/16 17:38	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		250		02/11/16 17:38	17060-07-0	
Toluene-d8 (S)	107	%	70-130		250		02/11/16 17:38	2037-26-5	

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ANALYTICAL RESULTS

Project HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

Sample: MW 8 **Lab ID: 92285928008** Collected: 02/09/16 11:01 Received: 02/10/16 07:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**22.9**	ug/L	0.99	0.99	50	02/11/16 14:03	02/12/16 14:23	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		50	02/11/16 14:03	02/12/16 14:23	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	10000	7680	100		02/11/16 17:55	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	340	100		02/11/16 17:55	994-05-8	
Benzene	**1370**	ug/L	500	170	100		02/11/16 17:55	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	3210	100		02/11/16 17:55	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	5770	100		02/11/16 17:55	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	730	100		02/11/16 17:55	762-75-4	
1,2-Dichloroethane	ND	ug/L	500	180	100		02/11/16 17:55	107-06-2	
Diisopropyl ether	ND	ug/L	500	170	100		02/11/16 17:55	108-20-3	
Ethanol	ND	ug/L	20000	13800	100		02/11/16 17:55	64-17-5	
Ethylbenzene	**687**	ug/L	500	160	100		02/11/16 17:55	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	360	100		02/11/16 17:55	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	500	170	100		02/11/16 17:55	1634-04-4	
Naphthalene	**448J**	ug/L	500	200	100		02/11/16 17:55	91-20-3	
Toluene	**11700**	ug/L	500	160	100		02/11/16 17:55	108-88-3	
Xylene (Total)	**8440**	ug/L	1000	270	100		02/11/16 17:55	1330-20-7	
m&p-Xylene	**4990**	ug/L	1000	310	100		02/11/16 17:55	179601-23-1	
o-Xylene	**3450**	ug/L	500	160	100		02/11/16 17:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		100		02/11/16 17:55	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		100		02/11/16 17:55	17060-07-0	
Toluene-d8 (S)	107	%	70-130		100		02/11/16 17:55	2037-26-5	

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ANALYTICAL RESULTS

Project HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

Sample: MW 11R **Lab ID: 92285928009** Collected: 02/09/16 11:55 Received 02/10/16 07:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	02/11/16 14:04	02/11/16 22:00	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	100	%	60-140		1	02/11/16 14:04	02/11/16 22:00	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		02/11/16 18:12	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		02/11/16 18:12	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		02/11/16 18:12	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		02/11/16 18:12	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		02/11/16 18:12	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		02/11/16 18:12	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		02/11/16 18:12	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		02/11/16 18:12	108-20-3	
Ethanol	ND	ug/L	200	138	1		02/11/16 18:12	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		02/11/16 18:12	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		02/11/16 18:12	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		02/11/16 18:12	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		02/11/16 18:12	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		02/11/16 18:12	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		02/11/16 18:12	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		02/11/16 18:12	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		02/11/16 18:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		02/11/16 18:12	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		02/11/16 18:12	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		02/11/16 18:12	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ HEATH UST08932 PACECA51770
Pace Project No 92285928

Sample: MW 12 **Lab ID: 92285928010** Collected: 02/09/16 13:00 Received 02/10/16 07:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**0.61**	ug/L	0.020	0.020	1	02/11/16 14:04	02/11/16 22:20	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	124	%	60-140		1	02/11/16 14:04	02/11/16 22:20	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	1250	960	12.5		02/12/16 21:05	75-85-4	
tert-Amylmethyl ether	ND	ug/L	125	42.5	12.5		02/12/16 21:05	994-05-8	
Benzene	**189**	ug/L	62.5	21.2	12.5		02/12/16 21:05	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1250	401	12.5		02/12/16 21:05	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1250	721	12.5		02/12/16 21:05	75-65-0	
tert-Butyl Formate	ND	ug/L	625	91.2	12.5		02/12/16 21:05	762-75-4	
1,2-Dichloroethane	ND	ug/L	62.5	22.5	12.5		02/12/16 21:05	107-06-2	
Diisopropyl ether	ND	ug/L	62.5	21.2	12.5		02/12/16 21:05	108-20-3	
Ethanol	ND	ug/L	2500	1720	12.5		02/12/16 21:05	64-17-5	L3
Ethylbenzene	**125**	ug/L	62.5	20.0	12.5		02/12/16 21:05	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	125	45.0	12.5		02/12/16 21:05	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	62.5	21.2	12.5		02/12/16 21:05	1634-04-4	
Naphthalene	**165**	ug/L	62.5	25.0	12.5		02/12/16 21:05	91-20-3	
Toluene	**901**	ug/L	62.5	20.0	12.5		02/12/16 21:05	108-88-3	
Xylene (Total)	**3780**	ug/L	125	33.8	12.5		02/12/16 21:05	1330-20-7	
m&p-Xylene	**2360**	ug/L	125	38.8	12.5		02/12/16 21:05	179601-23-1	
o-Xylene	**1420**	ug/L	62.5	20.0	12.5		02/12/16 21:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		12.5		02/12/16 21:05	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	70-130		12.5		02/12/16 21:05	17060-07-0	
Toluene-d8 (S)	99	%	70-130		12.5		02/12/16 21:05	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ HEATH UST08932 PACECA51770
Pace Project No. 92285928

Sample: MW 13 **Lab ID: 92285928011** Collected 02/09/16 11:00 Received 02/10/16 07:38 Matrix Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	02/14/16 12:05	02/14/16 14:43	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	83	%	60-140		1	02/14/16 12:05	02/14/16 14:43	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		02/11/16 18:46	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		02/11/16 18:46	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		02/11/16 18:46	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		02/11/16 18:46	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		02/11/16 18:46	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		02/11/16 18:46	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		02/11/16 18:46	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		02/11/16 18:46	108-20-3	
Ethanol	ND	ug/L	200	138	1		02/11/16 18:46	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		02/11/16 18:46	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		02/11/16 18:46	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		02/11/16 18:46	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		02/11/16 18:46	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		02/11/16 18:46	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		02/11/16 18:46	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		02/11/16 18:46	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		02/11/16 18:46	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		02/11/16 18:46	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		02/11/16 18:46	17060-07-0	
Toluene-d8 (S)	113	%	70-130		1		02/11/16 18:46	2037-26-5	

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ANALYTICAL RESULTS

Project HQ HEATH UST08932 PACECA51770
Pace Project No 92285928

Sample: MW 14 **Lab ID: 92285928012** Collected: 02/09/16 10.00 Received: 02/10/16 07 38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	02/11/16 14 04	02/11/16 22 59	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	108	%	60-140		1	02/11/16 14.04	02/11/16 22:59	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76 8	1		02/11/16 19:04	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3 4	1		02/11/16 19:04	994-05-8	
Benzene	ND	ug/L	5 0	1 7	1		02/11/16 19:04	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		02/11/16 19:04	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		02/11/16 19:04	75-65-0	
tert-Butyl Formate	ND	ug/L	50 0	7 3	1		02/11/16 19 04	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1 8	1		02/11/16 19 04	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1 7	1		02/11/16 19 04	108-20-3	
Ethanol	ND	ug/L	200	138	1		02/11/16 19:04	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1 6	1		02/11/16 19.04	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		02/11/16 19 04	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1 7	1		02/11/16 19.04	1634-04-4	
Naphthalene	ND	ug/L	5 0	2.0	1		02/11/16 19 04	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		02/11/16 19 04	108-88-3	
Xylene (Total)	ND	ug/L	10 0	2.7	1		02/11/16 19:04	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		02/11/16 19 04	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		02/11/16 19:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		02/11/16 19:04	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		02/11/16 19:04	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		02/11/16 19:04	2037-26-5	

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ANALYTICAL RESULTS

Project HQ HEATH UST08932 PACECA51770
Pace Project No.. 92285928

Sample: MW 15 **Lab ID: 92285928013** Collected 02/09/16 10:30 Received 02/10/16 07:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0 020	0 020	1	02/11/16 14:04	02/11/16 23.18	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	99	%	60-140		1	02/11/16 14:04	02/11/16 23:18	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**90.0J**	ug/L	100	76 8	1		02/11/16 19 21	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3 4	1		02/11/16 19.21	994-05-8	
Benzene	ND	ug/L	5 0	1.7	1		02/11/16 19:21	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32 1	1		02/11/16 19:21	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57 7	1		02/11/16 19 21	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7 3	1		02/11/16 19 21	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1 8	1		02/11/16 19.21	107-06-2	
Diisopropyl ether	ND	ug/L	5 0	1 7	1		02/11/16 19:21	108-20-3	
Ethanol	ND	ug/L	200	138	1		02/11/16 19:21	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1 6	1		02/11/16 19:21	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10 0	3.6	1		02/11/16 19 21	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5 0	1 7	1		02/11/16 19:21	1634-04-4	
Naphthalene	ND	ug/L	5 0	2.0	1		02/11/16 19:21	91-20-3	
Toluene	ND	ug/L	5 0	1.6	1		02/11/16 19:21	108-88-3	
Xylene (Total)	ND	ug/L	10 0	2 7	1		02/11/16 19 21	1330-20-7	
m&p-Xylene	ND	ug/L	10 0	3 1	1		02/11/16 19 21	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		02/11/16 19:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		02/11/16 19:21	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		02/11/16 19.21	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		02/11/16 19:21	2037-26-5	

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ANALYTICAL RESULTS

Project HQ HEATH UST08932 PACECA51770
Pace Project No.. 92285928

Sample: MW 16 **Lab ID: 92285928014** Collected: 02/09/16 11:50 Received. 02/10/16 07:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	02/11/16 14:04	02/11/16 23:38	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	110	%	60-140		1	02/11/16 14 04	02/11/16 23:38	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76 8	1		02/11/16 19.38	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		02/11/16 19:38	994-05-8	
Benzene	ND	ug/L	5 0	1 7	1		02/11/16 19.38	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		02/11/16 19:38	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		02/11/16 19:38	75-65-0	
tert-Butyl Formate	ND	ug/L	50 0	7 3	1		02/11/16 19 38	762-75-4	
1,2-Dichloroethane	ND	ug/L	5 0	1.8	1		02/11/16 19:38	107-06-2	
Diisopropyl ether	ND	ug/L	5 0	1.7	1		02/11/16 19:38	108-20-3	
Ethanol	ND	ug/L	200	138	1		02/11/16 19:38	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1 6	1		02/11/16 19:38	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10 0	3.6	1		02/11/16 19 38	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		02/11/16 19:38	1634-04-4	
Naphthalene	ND	ug/L	5 0	2.0	1		02/11/16 19.38	91-20-3	
Toluene	ND	ug/L	5 0	1 6	1		02/11/16 19:38	108-88-3	
Xylene (Total)	ND	ug/L	10 0	2 7	1		02/11/16 19:38	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3 1	1		02/11/16 19 38	179601-23-1	
o-Xylene	ND	ug/L	5 0	1.6	1		02/11/16 19 38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		02/11/16 19 38	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		02/11/16 19:38	17060-07-0	
Toluene-d8 (S)	108	%	70-130		1		02/11/16 19 38	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

Sample: MW 17R **Lab ID: 92285928015** Collected: 02/09/16 10:15 Received 02/10/16 07:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0 019	0 019	1	02/14/16 12 05	02/14/16 15 03	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	35	%	60-140		1	02/14/16 12 05	02/14/16 15 03	301-79-56	S2
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**86.6J**	ug/L	100	76.8	1		02/12/16 18 26	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3 4	1		02/12/16 18 26	994-05-8	
Benzene	**8.0**	ug/L	5 0	1 7	1		02/12/16 18 26	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		02/12/16 18 26	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		02/12/16 18.26	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		02/12/16 18:26	762-75-4	
1,2-Dichloroethane	**6.1**	ug/L	5 0	1.8	1		02/12/16 18 26	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		02/12/16 18 26	108-20-3	
Ethanol	ND	ug/L	200	138	1		02/12/16 18 26	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		02/12/16 18 26	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10 0	3.6	1		02/12/16 18 26	637-92-3	
Methyl-tert-butyl ether	**11.1**	ug/L	5 0	1 7	1		02/12/16 18 26	1634-04-4	
Naphthalene	ND	ug/L	5 0	2 0	1		02/12/16 18 26	91-20-3	
Toluene	**4.4J**	ug/L	5 0	1 6	1		02/12/16 18 26	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2 7	1		02/12/16 18 26	1330-20-7	
m&p-Xylene	**3.3J**	ug/L	10.0	3 1	1		02/12/16 18 26	179601-23-1	
o-Xylene	ND	ug/L	5 0	1 6	1		02/12/16 18 26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		02/12/16 18 26	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		02/12/16 18 26	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		02/12/16 18 26	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ HEATH UST08932 PACECA51770
Pace Project No. 92285928

Sample: MW 18 **Lab ID: 92285928016** Collected 02/09/16 10:25 Received: 02/10/16 07:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	02/11/16 14:04	02/12/16 00 17	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	118	%	60-140		1	02/11/16 14:04	02/12/16 00 17	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76 8	1		02/11/16 20 13	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		02/11/16 20 13	994-05-8	
Benzene	ND	ug/L	5.0	1 7	1		02/11/16 20 13	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		02/11/16 20 13	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		02/11/16 20 13	75-65-0	
tert-Butyl Formate	ND	ug/L	50 0	7 3	1		02/11/16 20.13	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1 8	1		02/11/16 20:13	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1 7	1		02/11/16 20:13	108-20-3	
Ethanol	ND	ug/L	200	138	1		02/11/16 20:13	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		02/11/16 20:13	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10 0	3 6	1		02/11/16 20:13	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		02/11/16 20:13	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		02/11/16 20 13	91-20-3	
Toluene	ND	ug/L	5 0	1 6	1		02/11/16 20:13	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2 7	1		02/11/16 20 13	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3 1	1		02/11/16 20 13	179601-23-1	
o-Xylene	ND	ug/L	5.0	1 6	1		02/11/16 20 13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		02/11/16 20 13	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		02/11/16 20 13	17060-07-0	
Toluene-d8 (S)	112	%	70-130		1		02/11/16 20 13	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ HEATH UST08932 PACECA51770
Pace Project No . 92285928

Sample: MW 19 **Lab ID: 92285928017** Collected: 02/09/16 09.35 Received: 02/10/16 07:38 Matrix Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No	Qual
8011 GCS EDB and DBCP	Analytical Method EPA 8011 Preparation Method EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0 021	0 021	1	02/16/16 14 45	02/16/16 17:06	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	76	%	60-140		1	02/16/16 14:45	02/16/16 17:06	301-79-56	
8260 MSV	Analytical Method EPA 8260								
tert-Amyl Alcohol	**397**	ug/L	100	76.8	1		02/12/16 04 17	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10 0	3.4	1		02/12/16 04 17	994-05-8	
Benzene	**26.1**	ug/L	5.0	1 7	1		02/12/16 04 17	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32 1	1		02/12/16 04 17	624-95-3	
tert-Butyl Alcohol	**61.8J**	ug/L	100	57.7	1		02/12/16 04 17	75-65-0	
tert-Butyl Formate	ND	ug/L	50 0	7.3	1		02/12/16 04 17	762-75-4	
1,2-Dichloroethane	**5.2**	ug/L	5.0	1 8	1		02/12/16 04:17	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		02/12/16 04 17	108-20-3	
Ethanol	ND	ug/L	200	138	1		02/12/16 04:17	64-17-5	
Ethylbenzene	ND	ug/L	5 0	1 6	1		02/12/16 04 17	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10 0	3 6	1		02/12/16 04:17	637-92-3	
Methyl-tert-butyl ether	**19.8**	ug/L	5.0	1 7	1		02/12/16 04 17	1634-04-4	
Naphthalene	**4.3J**	ug/L	5 0	2.0	1		02/12/16 04:17	91-20-3	
Toluene	ND	ug/L	5.0	1 6	1		02/12/16 04:17	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2 7	1		02/12/16 04:17	1330-20-7	
m&p-Xylene	ND	ug/L	10 0	3 1	1		02/12/16 04 17	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		02/12/16 04 17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		02/12/16 04:17	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		02/12/16 04 17	17060-07-0	
Toluene-d8 (S)	107	%	70-130		1		02/12/16 04 17	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ HEATH UST08932 PACECA51770
Pace Project No . 92285928

Sample: MW 25 **Lab ID: 92285928018** Collected: 02/09/16 10 05 Received: 02/10/16 07 38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0 020	0 020	1	02/11/16 14:16	02/12/16 02:14	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	116	%	60-140		1	02/11/16 14:16	02/12/16 02 14	301-79-56	
8260 MSV	Analytical Method EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76 8	1		02/12/16 04:34	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10 0	3 4	1		02/12/16 04:34	994-05-8	
Benzene	ND	ug/L	5.0	1 7	1		02/12/16 04 34	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		02/12/16 04 34	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		02/12/16 04.34	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		02/12/16 04.34	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		02/12/16 04:34	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		02/12/16 04:34	108-20-3	
Ethanol	ND	ug/L	200	138	1		02/12/16 04:34	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1 6	1		02/12/16 04 34	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3 6	1		02/12/16 04 34	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5 0	1 7	1		02/12/16 04 34	1634-04-4	
Naphthalene	ND	ug/L	5 0	2.0	1		02/12/16 04:34	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		02/12/16 04:34	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		02/12/16 04:34	1330-20-7	
m&p-Xylene	ND	ug/L	10 0	3.1	1		02/12/16 04 34	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		02/12/16 04 34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		02/12/16 04 34	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		02/12/16 04:34	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		02/12/16 04:34	2037-26-5	

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ANALYTICAL RESULTS

Project HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

Sample: MW 28 **Lab ID: 92285928019** Collected: 02/09/16 09:40 Received: 02/10/16 07:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0 020	1	02/11/16 14:16	02/12/16 02:52	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	70	%	60-140		1	02/11/16 14:16	02/12/16 02 52	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		02/12/16 04:51	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		02/12/16 04:51	994-05-8	
Benzene	ND	ug/L	5 0	1 7	1		02/12/16 04:51	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		02/12/16 04 51	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		02/12/16 04 51	75-65-0	
tert-Butyl Formate	ND	ug/L	50 0	7 3	1		02/12/16 04 51	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		02/12/16 04 51	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		02/12/16 04.51	108-20-3	
Ethanol	ND	ug/L	200	138	1		02/12/16 04:51	64-17-5	
Ethylbenzene	ND	ug/L	5 0	1 6	1		02/12/16 04:51	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3 6	1		02/12/16 04:51	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5 0	1 7	1		02/12/16 04:51	1634-04-4	
Naphthalene	ND	ug/L	5 0	2 0	1		02/12/16 04 51	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		02/12/16 04.51	108-88-3	
Xylene (Total)	ND	ug/L	10 0	2.7	1		02/12/16 04 51	1330-20-7	
m&p-Xylene	ND	ug/L	10 0	3 1	1		02/12/16 04.51	179601-23-1	
o-Xylene	ND	ug/L	5.0	1 6	1		02/12/16 04:51	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		1		02/12/16 04 51	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		02/12/16 04 51	17060-07-0	
Toluene-d8 (S)	111	%	70-130		1		02/12/16 04:51	2037-26-5	

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ANALYTICAL RESULTS

Project. HQ HEATH UST08932 PACECA51770
Pace Project No 92285928

Sample: TFR 1 **Lab ID: 92285928020** Collected: 02/09/16 12:40 Received: 02/10/16 07:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method EPA 8011								
1,2-Dibromoethane (EDB)	**27.9**	ug/L	0 99	0 99	50	02/11/16 14:16	02/12/16 14 42	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		50	02/11/16 14:16	02/12/16 14:42	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	4000	3070	40		02/16/16 16:40	75-85-4	
tert-Amylmethyl ether	ND	ug/L	400	136	40		02/16/16 16 40	994-05-8	
Benzene	**479**	ug/L	200	68.0	40		02/16/16 16 40	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	4000	1280	40		02/16/16 16 40	624-95-3	
tert-Butyl Alcohol	ND	ug/L	4000	2310	40		02/16/16 16.40	75-65-0	
tert-Butyl Formate	ND	ug/L	2000	292	40		02/16/16 16.40	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	72.0	40		02/16/16 16 40	107-06-2	
Diisopropyl ether	ND	ug/L	200	68 0	40		02/16/16 16 40	108-20-3	
Ethanol	ND	ug/L	8000	5510	40		02/16/16 16:40	64-17-5	
Ethylbenzene	**616**	ug/L	200	64.0	40		02/16/16 16:40	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	400	144	40		02/16/16 16:40	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	200	68.0	40		02/16/16 16:40	1634-04-4	
Naphthalene	**239**	ug/L	200	80.0	40		02/16/16 16:40	91-20-3	
Toluene	**6640**	ug/L	200	64.0	40		02/16/16 16 40	108-88-3	
Xylene (Total)	**13400**	ug/L	400	108	40		02/16/16 16 40	1330-20-7	
m&p-Xylene	**8730**	ug/L	400	124	40		02/16/16 16 40	179601-23-1	
o-Xylene	**4660**	ug/L	200	64.0	40		02/16/16 16:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		40		02/16/16 16 40	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		40		02/16/16 16 40	17060-07-0	
Toluene-d8 (S)	100	%	70-130		40		02/16/16 16.40	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ HEATH UST08932 PACECA51770
Pace Project No : 92285928

Sample: TFR 2 **Lab ID: 92285928021** Collected 02/09/16 13 15 Received: 02/10/16 07.38 Matrix Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method. EPA 8011								
1,2-Dibromoethane (EDB)	**0.23**	ug/L	0.020	0 020	1	02/11/16 14:17	02/12/16 03:31	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	121	%	60-140		1	02/11/16 14 17	02/12/16 03:31	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**82.2J**	ug/L	100	76.8	1		02/12/16 05 26	75-85-4	
tert-Amylmethyl ether	**4.1J**	ug/L	10.0	3 4	1		02/12/16 05:26	994-05-8	
Benzene	**209**	ug/L	62.5	21.2	12.5		02/12/16 14:21	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		02/12/16 05.26	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		02/12/16 05 26	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7 3	1		02/12/16 05.26	762-75-4	
1,2-Dichloroethane	ND	ug/L	5 0	1.8	1		02/12/16 05:26	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		02/12/16 05:26	108-20-3	
Ethanol	ND	ug/L	200	138	1		02/12/16 05:26	64-17-5	
Ethylbenzene	**105**	ug/L	5.0	1 6	1		02/12/16 05 26	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3 6	1		02/12/16 05:26	637-92-3	
Methyl-tert-butyl ether	**6.2**	ug/L	5 0	1 7	1		02/12/16 05:26	1634-04-4	
Naphthalene	**47.9**	ug/L	5 0	2.0	1		02/12/16 05:26	91-20-3	
Toluene	**1870**	ug/L	62.5	20 0	12.5		02/12/16 14 21	108-88-3	
Xylene (Total)	**2660**	ug/L	125	33.8	12.5		02/12/16 14 21	1330-20-7	
m&p-Xylene	**1710**	ug/L	125	38.8	12 5		02/12/16 14:21	179601-23-1	
o-Xylene	**953**	ug/L	62.5	20.0	12.5		02/12/16 14:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		02/12/16 05 26	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		02/12/16 05 26	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		02/12/16 05:26	2037-26-5	

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ANALYTICAL RESULTS

Project HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

Sample: TFR 3 **Lab ID: 92285928022** Collected: 02/09/16 11:25 Received 02/10/16 07:38 Matrix Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method. EPA 8011								
1,2-Dibromoethane (EDB)	**78.2**	ug/L	3 9	3 9	200	02/11/16 14 17	02/12/16 15.02	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		200	02/11/16 14:17	02/12/16 15 02	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	2500	1920	25		02/12/16 05:43	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	85 0	25		02/12/16 05:43	994-05-8	
Benzene	**3250**	ug/L	125	42 5	25		02/12/16 05 43	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	802	25		02/12/16 05 43	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	1440	25		02/12/16 05:43	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	182	25		02/12/16 05 43	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	45 0	25		02/12/16 05:43	107-06-2	
Diisopropyl ether	ND	ug/L	125	42.5	25		02/12/16 05:43	108-20-3	
Ethanol	ND	ug/L	5000	3440	25		02/12/16 05:43	64-17-5	
Ethylbenzene	**363**	ug/L	125	40.0	25		02/12/16 05:43	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	90 0	25		02/12/16 05:43	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	125	42.5	25		02/12/16 05 43	1634-04-4	
Naphthalene	**225**	ug/L	125	50.0	25		02/12/16 05:43	91-20-3	
Toluene	**10800**	ug/L	500	160	100		02/12/16 15:35	108-88-3	
Xylene (Total)	**11200**	ug/L	250	67 5	25		02/12/16 05 43	1330-20-7	
m&p-Xylene	**7550**	ug/L	250	77.5	25		02/12/16 05 43	179601-23-1	
o-Xylene	**3690**	ug/L	125	40.0	25		02/12/16 05 43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		25		02/12/16 05:43	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		25		02/12/16 05 43	17060-07-0	
Toluene-d8 (S)	106	%	70-130		25		02/12/16 05.43	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ HEATH UST08932 PACECA51770
Pace Project No.. 92285928

Sample: TFR 4 **Lab ID: 92285928023** Collected: 02/09/16 11:35 Received: 02/10/16 07 38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No	Qual
8011 GCS EDB and DBCP	Analytical Method EPA 8011 Preparation Method EPA 8011								
1,2-Dibromoethane (EDB)	**30.3**	ug/L	2 0	2.0	100	02/11/16 14 17	02/12/16 15 22	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		100	02/11/16 14 17	02/12/16 15 22	301-79-56	S4
8260 MSV	Analytical Method EPA 8260								
tert-Amyl Alcohol	ND	ug/L	10000	7680	100		02/16/16 16.58	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	340	100		02/16/16 16:58	994-05-8	
Benzene	**3400**	ug/L	500	170	100		02/16/16 16 58	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	3210	100		02/16/16 16 58	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	5770	100		02/16/16 16 58	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	730	100		02/16/16 16 58	762-75-4	
1,2-Dichloroethane	ND	ug/L	500	180	100		02/16/16 16:58	107-06-2	
Diisopropyl ether	ND	ug/L	500	170	100		02/16/16 16 58	108-20-3	
Ethanol	ND	ug/L	20000	13800	100		02/16/16 16 58	64-17-5	
Ethylbenzene	**1110**	ug/L	500	160	100		02/16/16 16 58	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	360	100		02/16/16 16.58	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	500	170	100		02/16/16 16:58	1634-04-4	
Naphthalene	**587**	ug/L	500	200	100		02/16/16 16 58	91-20-3	
Toluene	**12400**	ug/L	500	160	100		02/16/16 16 58	108-88-3	M1
Xylene (Total)	**18100**	ug/L	1000	270	100		02/16/16 16 58	1330-20-7	
m&p-Xylene	**12200**	ug/L	1000	310	100		02/16/16 16 58	179601-23-1	
o-Xylene	**5940**	ug/L	500	160	100		02/16/16 16 58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		100		02/16/16 16 58	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		100		02/16/16 16 58	17060-07-0	
Toluene-d8 (S)	101	%	70-130		100		02/16/16 16 58	2037-26-5	

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ANALYTICAL RESULTS

Project HQ HEATH UST08932 PACECA51770
Pace Project No. 92285928

Sample: TFR 6 **Lab ID: 92285928024** Collected: 02/09/16 11:15 Received: 02/10/16 07 38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**209**	ug/L	9.9	9 9	500	02/11/16 14 17	02/12/16 15 42	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		500	02/11/16 14.17	02/12/16 15.42	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**5260**	ug/L	5000	3840	50		02/12/16 06 18	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	170	50		02/12/16 06:18	994-05-8	
Benzene	**9950**	ug/L	250	85 0	50		02/12/16 06:18	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	1600	50		02/12/16 06:18	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	2880	50		02/12/16 06 18	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	365	50		02/12/16 06 18	762-75-4	
1,2-Dichloroethane	**130J**	ug/L	250	90.0	50		02/12/16 06:18	107-06-2	
Diisopropyl ether	ND	ug/L	250	85.0	50		02/12/16 06 18	108-20-3	
Ethanol	ND	ug/L	10000	6890	50		02/12/16 06:18	64-17-5	
Ethylbenzene	**3290**	ug/L	250	80.0	50		02/12/16 06 18	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	180	50		02/12/16 06.18	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	250	85.0	50		02/12/16 06:18	1634-04-4	
Naphthalene	**495**	ug/L	250	100	50		02/12/16 06.18	91-20-3	
Toluene	**49300**	ug/L	2000	640	400		02/12/16 15:52	108-88-3	
Xylene (Total)	**20400**	ug/L	500	135	50		02/12/16 06:18	1330-20-7	
m&p-Xylene	**14000**	ug/L	500	155	50		02/12/16 06:18	179601-23-1	
o-Xylene	**6390**	ug/L	250	80 0	50		02/12/16 06:18	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		50		02/12/16 06:18	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		50		02/12/16 06 18	17060-07-0	
Toluene-d8 (S)	104	%	70-130		50		02/12/16 06:18	2037-26-5	

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ANALYTICAL RESULTS

Project HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

Sample: TFR 10 **Lab ID: 92285928025** Collected: 02/09/16 10:55 Received: 02/10/16 07 38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**6.1**	ug/L	0.22	0.22	10	02/11/16 14:17	02/12/16 16.02	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		10	02/11/16 14.17	02/12/16 16.02	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**315**	ug/L	100	76.8	1		02/12/16 18 42	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3 4	1		02/12/16 18.42	994-05-8	
Benzene	**96.7**	ug/L	5 0	1 7	1		02/12/16 18 42	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		02/12/16 18.42	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57 7	1		02/12/16 18 42	75-65-0	
tert-Butyl Formate	ND	ug/L	50 0	7.3	1		02/12/16 18 42	762-75-4	
1,2-Dichloroethane	**16.5**	ug/L	5 0	1.8	1		02/12/16 18.42	107-06-2	
Diisopropyl ether	ND	ug/L	5 0	1.7	1		02/12/16 18:42	108-20-3	
Ethanol	ND	ug/L	200	138	1		02/12/16 18 42	64-17-5	
Ethylbenzene	**19.3**	ug/L	5.0	1 6	1		02/12/16 18 42	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10 0	3.6	1		02/12/16 18:42	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5 0	1 7	1		02/12/16 18:42	1634-04-4	
Naphthalene	**5.9**	ug/L	5 0	2 0	1		02/12/16 18 42	91-20-3	
Toluene	**149**	ug/L	5 0	1 6	1		02/12/16 18:42	108-88-3	
Xylene (Total)	**155**	ug/L	10 0	2 7	1		02/12/16 18 42	1330-20-7	
m&p-Xylene	**107**	ug/L	10 0	3.1	1		02/12/16 18:42	179601-23-1	
o-Xylene	**47.6**	ug/L	5 0	1.6	1		02/12/16 18:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		02/12/16 18 42	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		02/12/16 18 42	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		02/12/16 18 42	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ HEATH UST08932 PACECA51770
Pace Project No . 92285928

Sample: TFR 12 **Lab ID: 92285928026** Collected: 02/09/16 10:40 Received: 02/10/16 07:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**57.6**	ug/L	2.0	2.0	100	02/16/16 14:45	02/16/16 17:26	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		100	02/16/16 14:45	02/16/16 17:26	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	5000	3840	50		02/12/16 21:52	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	170	50		02/12/16 21:52	994-05-8	
Benzene	**2110**	ug/L	250	85.0	50		02/12/16 21:52	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	1600	50		02/12/16 21:52	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	2880	50		02/12/16 21:52	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	365	50		02/12/16 21:52	762-75-4	
1,2-Dichloroethane	**110J**	ug/L	250	90.0	50		02/12/16 21:52	107-06-2	
Diisopropyl ether	ND	ug/L	250	85.0	50		02/12/16 21:52	108-20-3	
Ethanol	ND	ug/L	10000	6890	50		02/12/16 21:52	64-17-5	L3
Ethylbenzene	**392**	ug/L	250	80.0	50		02/12/16 21:52	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	180	50		02/12/16 21:52	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	250	85.0	50		02/12/16 21:52	1634-04-4	
Naphthalene	ND	ug/L	250	100	50		02/12/16 21:52	91-20-3	
Toluene	**6460**	ug/L	250	80.0	50		02/12/16 21:52	108-88-3	
Xylene (Total)	**2930**	ug/L	500	135	50		02/12/16 21:52	1330-20-7	
m&p-Xylene	**1960**	ug/L	500	155	50		02/12/16 21:52	179601-23-1	
o-Xylene	**971**	ug/L	250	80.0	50		02/12/16 21:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		50		02/12/16 21:52	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	70-130		50		02/12/16 21:52	17060-07-0	
Toluene-d8 (S)	97	%	70-130		50		02/12/16 21:52	2037-26-5	

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ANALYTICAL RESULTS

Project HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

Sample: MW2 DUPLICATE **Lab ID: 92285928027** Collected 02/09/16 12 10 Received 02/10/16 07:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method. EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0 020	0.020	1	02/11/16 14 17	02/12/16 05 28	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	100	%	60-140		1	02/11/16 14 17	02/12/16 05:28	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		02/12/16 18 58	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3 4	1		02/12/16 18 58	994-05-8	
Benzene	**17.8**	ug/L	5 0	1 7	1		02/12/16 18 58	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32 1	1		02/12/16 18 58	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57 7	1		02/12/16 18:58	75-65-0	
tert-Butyl Formate	ND	ug/L	50 0	7.3	1		02/12/16 18.58	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		02/12/16 18:58	107-06-2	
Diisopropyl ether	ND	ug/L	5 0	1.7	1		02/12/16 18:58	108-20-3	
Ethanol	ND	ug/L	200	138	1		02/12/16 18:58	64-17-5	
Ethylbenzene	**138**	ug/L	5 0	1 6	1		02/12/16 18 58	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3 6	1		02/12/16 18 58	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5 0	1.7	1		02/12/16 18:58	1634-04-4	
Naphthalene	ND	ug/L	5 0	2 0	1		02/12/16 18:58	91-20-3	
Toluene	**8.4**	ug/L	5.0	1.6	1		02/12/16 18:58	108-88-3	
Xylene (Total)	**108**	ug/L	10 0	2.7	1		02/12/16 18:58	1330-20-7	
m&p-Xylene	**100**	ug/L	10 0	3.1	1		02/12/16 18:58	179601-23-1	
o-Xylene	**7.9**	ug/L	5 0	1.6	1		02/12/16 18:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		02/12/16 18:58	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		02/12/16 18 58	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		02/12/16 18 58	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

Sample: MW8 DUPLICATE **Lab ID: 92285928028** Collected 02/09/16 11.01 Received 02/10/16 07 38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**18.9**	ug/L	0.99	0.99	50	02/11/16 14:17	02/12/16 16.41	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		50	02/11/16 14:17	02/12/16 16:41	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	10000	7680	100		02/12/16 07:27	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	340	100		02/12/16 07:27	994-05-8	
Benzene	**1510**	ug/L	500	170	100		02/12/16 07 27	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	3210	100		02/12/16 07 27	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	5770	100		02/12/16 07:27	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	730	100		02/12/16 07 27	762-75-4	
1,2-Dichloroethane	ND	ug/L	500	180	100		02/12/16 07.27	107-06-2	
Diisopropyl ether	ND	ug/L	500	170	100		02/12/16 07:27	108-20-3	
Ethanol	ND	ug/L	20000	13800	100		02/12/16 07:27	64-17-5	
Ethylbenzene	**791**	ug/L	500	160	100		02/12/16 07:27	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	360	100		02/12/16 07:27	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	500	170	100		02/12/16 07:27	1634-04-4	
Naphthalene	**511**	ug/L	500	200	100		02/12/16 07 27	91-20-3	
Toluene	**13000**	ug/L	500	160	100		02/12/16 07 27	108-88-3	
Xylene (Total)	**9450**	ug/L	1000	270	100		02/12/16 07 27	1330-20-7	
m&p-Xylene	**5640**	ug/L	1000	310	100		02/12/16 07 27	179601-23-1	
o-Xylene	**3810**	ug/L	500	160	100		02/12/16 07:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		100		02/12/16 07:27	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		100		02/12/16 07:27	17060-07-0	
Toluene-d8 (S)	105	%	70-130		100		02/12/16 07:27	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

Sample: FIELD BLANK **Lab ID: 92285928029** Collected 02/09/16 15:00 Received: 02/10/16 07:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	02/11/16 14:17	02/12/16 06:07	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	105	%	60-140		1	02/11/16 14:17	02/12/16 06:07	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		02/12/16 07:44	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		02/12/16 07:44	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		02/12/16 07:44	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		02/12/16 07:44	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		02/12/16 07:44	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		02/12/16 07:44	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		02/12/16 07:44	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		02/12/16 07:44	108-20-3	
Ethanol	ND	ug/L	200	138	1		02/12/16 07:44	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		02/12/16 07:44	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		02/12/16 07:44	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		02/12/16 07:44	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		02/12/16 07:44	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		02/12/16 07:44	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		02/12/16 07:44	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		02/12/16 07:44	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		02/12/16 07:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		02/12/16 07:44	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		02/12/16 07:44	17060-07-0	
Toluene-d8 (S)	112	%	70-130		1		02/12/16 07:44	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ HEATH UST08932 PACECA51770
Pace Project No 92285928

Sample: TRIP BLANK **Lab ID: 92285928030** Collected 02/09/16 15.01 Received: 02/10/16 07:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method. EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76 8	1		02/12/16 08:02	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3 4	1		02/12/16 08:02	994-05-8	
Benzene	ND	ug/L	5 0	1.7	1		02/12/16 08:02	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32 1	1		02/12/16 08:02	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57 7	1		02/12/16 08:02	75-65-0	
tert-Butyl Formate	ND	ug/L	50 0	7 3	1		02/12/16 08:02	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		02/12/16 08:02	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		02/12/16 08:02	108-20-3	
Ethanol	ND	ug/L	200	138	1		02/12/16 08 02	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		02/12/16 08 02	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10 0	3 6	1		02/12/16 08:02	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1 7	1		02/12/16 08 02	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		02/12/16 08 02	91-20-3	
Toluene	ND	ug/L	5 0	1 6	1		02/12/16 08.02	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2 7	1		02/12/16 08.02	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3 1	1		02/12/16 08 02	179601-23-1	
o-Xylene	ND	ug/L	5 0	1.6	1		02/12/16 08 02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		02/12/16 08:02	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		02/12/16 08 02	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		02/12/16 08 02	2037-26-5	

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QUALITY CONTROL DATA

Project: HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

QC Batch: MSV/35531 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92285928003, 92285928005, 92285928006, 92285928007, 92285928008, 92285928009, 92285928011, 92285928012, 92285928013, 92285928014, 92285928016

METHOD BLANK 1664565 Matrix: Water
Associated Lab Samples: 92285928003, 92285928005, 92285928006, 92285928007, 92285928008, 92285928009, 92285928011, 92285928012, 92285928013, 92285928014, 92285928016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1 8	02/11/16 14:28	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	02/11/16 14 28	
Benzene	ug/L	ND	5.0	1 7	02/11/16 14:28	
Diisopropyl ether	ug/L	ND	5 0	1 7	02/11/16 14:28	
Ethanol	ug/L	ND	200	138	02/11/16 14:28	
Ethyl-tert-butyl ether	ug/L	ND	10 0	3.6	02/11/16 14.28	
Ethylbenzene	ug/L	ND	5.0	1.6	02/11/16 14 28	
m&p-Xylene	ug/L	ND	10.0	3 1	02/11/16 14.28	
Methyl-tert-butyl ether	ug/L	ND	5.0	1 7	02/11/16 14:28	
Naphthalene	ug/L	ND	5 0	2 0	02/11/16 14:28	
o-Xylene	ug/L	ND	5 0	1.6	02/11/16 14.28	
tert-Amyl Alcohol	ug/L	ND	100	76.8	02/11/16 14 28	
tert-Amylmethyl ether	ug/L	ND	10.0	3 4	02/11/16 14:28	
tert-Butyl Alcohol	ug/L	ND	100	57 7	02/11/16 14:28	
tert-Butyl Formate	ug/L	ND	50 0	7.3	02/11/16 14 28	
Toluene	ug/L	ND	5.0	1.6	02/11/16 14 28	
Xylene (Total)	ug/L	ND	10.0	2 7	02/11/16 14.28	
1,2-Dichloroethane-d4 (S)	%	98	70-130		02/11/16 14:28	
4-Bromofluorobenzene (S)	%	104	70-130		02/11/16 14:28	
Toluene-d8 (S)	%	108	70-130		02/11/16 14 28	

LABORATORY CONTROL SAMPLE 1664566

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	47 4	95	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	913	91	70-130	
Benzene	ug/L	50	50.8	102	70-130	
Diisopropyl ether	ug/L	50	52.5	105	70-130	
Ethanol	ug/L	2000	2090	105	70-130	
Ethyl-tert-butyl ether	ug/L	100	104	104	70-130	
Ethylbenzene	ug/L	50	47.6	95	70-130	
m&p-Xylene	ug/L	100	93.9	94	70-130	
Methyl-tert-butyl ether	ug/L	50	52 6	105	70-130	
Naphthalene	ug/L	50	49 9	100	70-130	
o-Xylene	ug/L	50	46 3	93	70-130	
tert-Amyl Alcohol	ug/L	1000	878	88	70-130	
tert-Amylmethyl ether	ug/L	100	101	101	70-130	
tert-Butyl Alcohol	ug/L	500	494	99	70-130	

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QUALITY CONTROL DATA

Project: HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

LABORATORY CONTROL SAMPLE 1664566

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Formate	ug/L	400	407	102	70-130	
Toluene	ug/L	50	51.3	103	70-130	
Xylene (Total)	ug/L	150	140	93	70-130	
1,2-Dichloroethane-d4 (S)	%			103	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			103	70-130	

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QUALITY CONTROL DATA

Project HQ HEATH UST08932 PACECA51770
Pace Project No 92285928

QC Batch: MSV/35538 Analysis Method: EPA 8260
QC Batch Method EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92285928017, 92285928018, 92285928019, 92285928021, 92285928022, 92285928024, 92285928028, 92285928029, 92285928030

METHOD BLANK. 1665077 Matrix Water
Associated Lab Samples: 92285928017, 92285928018, 92285928019, 92285928021, 92285928022, 92285928024, 92285928028, 92285928029, 92285928030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1 8	02/11/16 22:48	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	02/11/16 22:48	
Benzene	ug/L	ND	5 0	1 7	02/11/16 22:48	
Diisopropyl ether	ug/L	ND	5 0	1 7	02/11/16 22 48	
Ethanol	ug/L	ND	200	138	02/11/16 22:48	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3 6	02/11/16 22 48	
Ethylbenzene	ug/L	ND	5.0	1 6	02/11/16 22.48	
m&p-Xylene	ug/L	ND	10.0	3.1	02/11/16 22:48	
Methyl-tert-butyl ether	ug/L	ND	5.0	1 7	02/11/16 22 48	
Naphthalene	ug/L	ND	5.0	2 0	02/11/16 22 48	
o-Xylene	ug/L	ND	5.0	1.6	02/11/16 22 48	
tert-Amyl Alcohol	ug/L	ND	100	76.8	02/11/16 22:48	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	02/11/16 22:48	
tert-Butyl Alcohol	ug/L	ND	100	57 7	02/11/16 22:48	
tert-Butyl Formate	ug/L	ND	50 0	7 3	02/11/16 22:48	
Toluene	ug/L	ND	5 0	1.6	02/11/16 22:48	
Xylene (Total)	ug/L	ND	10 0	2 7	02/11/16 22 48	
1,2-Dichloroethane-d4 (S)	%	101	70-130		02/11/16 22 48	
4-Bromofluorobenzene (S)	%	105	70-130		02/11/16 22 48	
Toluene-d8 (S)	%	112	70-130		02/11/16 22 48	

LABORATORY CONTROL SAMPLE 1665078

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	47 4	95	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	994	99	70-130	
Benzene	ug/L	50	49.2	98	70-130	
Diisopropyl ether	ug/L	50	51.2	102	70-130	
Ethanol	ug/L	2000	2270	114	70-130	
Ethyl-tert-butyl ether	ug/L	100	106	106	70-130	
Ethylbenzene	ug/L	50	47.1	94	70-130	
m&p-Xylene	ug/L	100	93.2	93	70-130	
Methyl-tert-butyl ether	ug/L	50	51 4	103	70-130	
Naphthalene	ug/L	50	50 9	102	70-130	
o-Xylene	ug/L	50	45 3	91	70-130	
tert-Amyl Alcohol	ug/L	1000	935	93	70-130	
tert-Amylmethyl ether	ug/L	100	92 1	92	70-130	
tert-Butyl Alcohol	ug/L	500	542	108	70-130	

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QUALITY CONTROL DATA

Project HQ HEATH UST08932 PACECA51770
Pace Project No . 92285928

LABORATORY CONTROL SAMPLE 1665078

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Formate	ug/L	400	411	103	70-130	
Toluene	ug/L	50	49.5	99	70-130	
Xylene (Total)	ug/L	150	139	92	70-130	
1,2-Dichloroethane-d4 (S)	%			106	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			97	70-130	

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QUALITY CONTROL DATA

Project: HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

QC Batch: MSV/35548 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV SC
Associated Lab Samples: 92285928002, 92285928015, 92285928025, 92285928027

METHOD BLANK: 1665430 | Matrix: Water
Associated Lab Samples: 92285928002, 92285928015, 92285928025, 92285928027

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5 0	1 8	02/12/16 13 40	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32 1	02/12/16 13.40	
Benzene	ug/L	ND	5.0	1 7	02/12/16 13.40	
Diisopropyl ether	ug/L	ND	5.0	1.7	02/12/16 13 40	
Ethanol	ug/L	460	200	138	02/12/16 13 40	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3 6	02/12/16 13 40	
Ethylbenzene	ug/L	ND	5.0	1.6	02/12/16 13 40	
m&p-Xylene	ug/L	ND	10.0	3.1	02/12/16 13:40	
Methyl-tert-butyl ether	ug/L	ND	5 0	1.7	02/12/16 13:40	
Naphthalene	ug/L	ND	5 0	2.0	02/12/16 13:40	
o-Xylene	ug/L	ND	5 0	1.6	02/12/16 13:40	
tert-Amyl Alcohol	ug/L	ND	100	76 8	02/12/16 13:40	
tert-Amylmethyl ether	ug/L	ND	10 0	3.4	02/12/16 13:40	
tert-Butyl Alcohol	ug/L	ND	100	57 7	02/12/16 13 40	
tert-Butyl Formate	ug/L	ND	50 0	7.3	02/12/16 13 40	
Toluene	ug/L	ND	5.0	1 6	02/12/16 13 40	
Xylene (Total)	ug/L	ND	10.0	2 7	02/12/16 13 40	
1,2-Dichloroethane-d4 (S)	%	92	70-130		02/12/16 13 40	
4-Bromofluorobenzene (S)	%	99	70-130		02/12/16 13.40	
Toluene-d8 (S)	%	98	70-130		02/12/16 13:40	

LABORATORY CONTROL SAMPLE: 1665431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	43 2	86	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1080	108	70-130	
Benzene	ug/L	50	48 5	97	70-130	
Diisopropyl ether	ug/L	50	48 5	97	70-130	
Ethanol	ug/L	2000	2400	120	70-130	
Ethyl-tert-butyl ether	ug/L	100	93.9	94	70-130	
Ethylbenzene	ug/L	50	48.5	97	70-130	
m&p-Xylene	ug/L	100	91.7	92	70-130	
Methyl-tert-butyl ether	ug/L	50	49.1	98	70-130	
Naphthalene	ug/L	50	49.9	100	70-130	
o-Xylene	ug/L	50	47 1	94	70-130	
tert-Amyl Alcohol	ug/L	1000	891	89	70-130	
tert-Amylmethyl ether	ug/L	100	94 4	94	70-130	
tert-Butyl Alcohol	ug/L	500	458	92	70-130	
tert-Butyl Formate	ug/L	400	392	98	70-130	
Toluene	ug/L	50	48.8	98	70-130	

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QUALITY CONTROL DATA

Project HQ HEATH UST08932 PACECA51770
Pace Project No 92285928

LABORATORY CONTROL SAMPLE: 1665431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	139	93	70-130	
1,2-Dichloroethane-d4 (S)	%			104	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE SAMPLE: 1665432

Parameter	Units	92285800002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	15.2	76	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	414	103	70-130	
Benzene	ug/L	5 8	20	23.3	87	70-130	
Diisopropyl ether	ug/L	ND	20	16.9	84	70-130	
Ethanol	ug/L	ND	800	554	62	70-130	M1
Ethyl-tert-butyl ether	ug/L	ND	40	33.7	84	70-130	
Ethylbenzene	ug/L	24.4	20	40.9	82	70-130	
m&p-Xylene	ug/L	34.4	40	67.3	82	70-130	
Methyl-tert-butyl ether	ug/L	7.5	20	23 8	82	70-130	
Naphthalene	ug/L	70.2	20	82 2	60	70-130	M1
o-Xylene	ug/L	34.2	20	48 8	73	70-130	
tert-Amyl Alcohol	ug/L	ND	400	360	89	70-130	
tert-Amylmethyl ether	ug/L	ND	40	35 8	88	70-130	
tert-Butyl Alcohol	ug/L	ND	200	243	120	70-130	
tert-Butyl Formate	ug/L	ND	160	ND	0	70-130	P5
Toluene	ug/L	10 3	20	27 5	86	70-130	
1,2-Dichloroethane-d4 (S)	%				92	70-130	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 1665433

Parameter	Units	92285800003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	6 1	5 5	10	30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	30 8	28.6	7	30	
m&p-Xylene	ug/L	29 2	26 8	8	30	
Methyl-tert-butyl ether	ug/L	5.9	5.8	1	30	
Naphthalene	ug/L	69 6	62 4	11	30	
o-Xylene	ug/L	21 4	20 5	4	30	
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: HQ HEATH UST08932 PACECA51770
Pace Project No . 92285928

SAMPLE DUPLICATE: 1665433

Parameter	Units	92285800003 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	4 8J	4.4J		30	
Xylene (Total)	ug/L	50 6	47.3	7	30	
1,2-Dichloroethane-d4 (S)	%	96	94	2		
4-Bromofluorobenzene (S)	%	95	96	2		
Toluene-d8 (S)	%	99	100	0		

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QUALITY CONTROL DATA

Project: HQ HEATH UST08932 PACECA51770
Pace Project No 92285928

QC Batch: MSV/35549 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92285928004, 92285928010, 92285928026

METHOD BLANK: 1665434 Matrix: Water
Associated Lab Samples 92285928004, 92285928010, 92285928026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5 0	1 8	02/12/16 13 56	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	02/12/16 13:56	
Benzene	ug/L	ND	5 0	1.7	02/12/16 13:56	
Diisopropyl ether	ug/L	ND	5 0	1.7	02/12/16 13:56	
Ethanol	ug/L	247	200	138	02/12/16 13:56	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3 6	02/12/16 13 56	
Ethylbenzene	ug/L	ND	5.0	1 6	02/12/16 13.56	
m&p-Xylene	ug/L	ND	10 0	3 1	02/12/16 13 56	
Methyl-tert-butyl ether	ug/L	ND	5 0	1 7	02/12/16 13 56	
Naphthalene	ug/L	ND	5 0	2.0	02/12/16 13 56	
o-Xylene	ug/L	ND	5 0	1.6	02/12/16 13.56	
tert-Amyl Alcohol	ug/L	ND	100	76.8	02/12/16 13:56	
tert-Amylmethyl ether	ug/L	ND	10 0	3 4	02/12/16 13:56	
tert-Butyl Alcohol	ug/L	ND	100	57 7	02/12/16 13 56	
tert-Butyl Formate	ug/L	ND	50.0	7 3	02/12/16 13 56	
Toluene	ug/L	ND	5.0	1 6	02/12/16 13:56	
Xylene (Total)	ug/L	ND	10 0	2 7	02/12/16 13 56	
1,2-Dichloroethane-d4 (S)	%	97	70-130		02/12/16 13 56	
4-Bromofluorobenzene (S)	%	101	70-130		02/12/16 13:56	
Toluene-d8 (S)	%	96	70-130		02/12/16 13:56	

LABORATORY CONTROL SAMPLE 1665435

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	41.0	82	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1150	115	70-130	
Benzene	ug/L	50	44 5	89	70-130	
Diisopropyl ether	ug/L	50	44 8	90	70-130	
Ethanol	ug/L	2000	2720	136	70-130	L0
Ethyl-tert-butyl ether	ug/L	100	89 0	89	70-130	
Ethylbenzene	ug/L	50	44.5	89	70-130	
m&p-Xylene	ug/L	100	88.2	88	70-130	
Methyl-tert-butyl ether	ug/L	50	46.9	94	70-130	
Naphthalene	ug/L	50	51.0	102	70-130	
o-Xylene	ug/L	50	44.2	88	70-130	
tert-Amyl Alcohol	ug/L	1000	960	96	70-130	
tert-Amylmethyl ether	ug/L	100	89 4	89	70-130	
tert-Butyl Alcohol	ug/L	500	484	97	70-130	
tert-Butyl Formate	ug/L	400	382	95	70-130	
Toluene	ug/L	50	44 1	88	70-130	

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Pace Analytical Services, Inc.
9800 Kincey Ave Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: HQ HEATH UST08932 PACECA51770
Pace Project No 92285928

LABORATORY CONTROL SAMPLE 1665435

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	132	88	70-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE 1665436

Parameter	Units	92286135004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	15.4	77	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	444	111	70-130	
Benzene	ug/L	ND	20	18.1	90	70-130	
Diisopropyl ether	ug/L	ND	20	17 1	85	70-130	
Ethanol	ug/L	ND	800	829	104	70-130	
Ethyl-tert-butyl ether	ug/L	ND	40	33.0	83	70-130	
Ethylbenzene	ug/L	ND	20	18 4	91	70-130	
m&p-Xylene	ug/L	ND	40	36.0	89	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	17.4	87	70-130	
Naphthalene	ug/L	ND	20	22.9	107	70-130	
o-Xylene	ug/L	ND	20	18.0	90	70-130	
tert-Amyl Alcohol	ug/L	ND	400	380	94	70-130	
tert-Amylmethyl ether	ug/L	ND	40	35 1	88	70-130	
tert-Butyl Alcohol	ug/L	ND	200	276	138	70-130	M1
tert-Butyl Formate	ug/L	ND	160	ND	0	70-130	P5
Toluene	ug/L	ND	20	18.1	91	70-130	
1,2-Dichloroethane-d4 (S)	%				91	70-130	
4-Bromofluorobenzene (S)	%				95	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE 1665437

Parameter	Units	92286135005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: HQ HEATH UST08932 PACECA51770
Pace Project No 92285928

SAMPLE DUPLICATE 1665437

Parameter	Units	92286135005 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	89	90	2		
4-Bromofluorobenzene (S)	%	98	95	3		
Toluene-d8 (S)	%	99	98	1		

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QUALITY CONTROL DATA

Project: HQ HEATH UST08932 PACECA51770
Pace Project No 92285928

QC Batch: MSV/35579 Analysis Method: EPA 8260
QC Batch Method EPA 8260 Analysis Description 8260 MSV SC
Associated Lab Samples: 92285928001, 92285928020, 92285928023

METHOD BLANK: 1666763 Matrix. Water
Associated Lab Samples 92285928001, 92285928020, 92285928023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5 0	1.8	02/16/16 11:43	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32 1	02/16/16 11:43	
Benzene	ug/L	ND	5.0	1.7	02/16/16 11:43	
Diisopropyl ether	ug/L	ND	5 0	1.7	02/16/16 11 43	
Ethanol	ug/L	ND	200	138	02/16/16 11 43	
Ethyl-tert-butyl ether	ug/L	ND	10 0	3 6	02/16/16 11:43	
Ethylbenzene	ug/L	ND	5.0	1.6	02/16/16 11:43	
m&p-Xylene	ug/L	ND	10.0	3.1	02/16/16 11.43	
Methyl-tert-butyl ether	ug/L	ND	5.0	1 7	02/16/16 11.43	
Naphthalene	ug/L	ND	5.0	2 0	02/16/16 11:43	
o-Xylene	ug/L	ND	5.0	1 6	02/16/16 11:43	
tert-Amyl Alcohol	ug/L	ND	100	76.8	02/16/16 11:43	
tert-Amylmethyl ether	ug/L	ND	10 0	3.4	02/16/16 11:43	
tert-Butyl Alcohol	ug/L	ND	100	57 7	02/16/16 11 43	
tert-Butyl Formate	ug/L	ND	50 0	7 3	02/16/16 11:43	
Toluene	ug/L	ND	5.0	1.6	02/16/16 11:43	
Xylene (Total)	ug/L	ND	10.0	2.7	02/16/16 11 43	
1,2-Dichloroethane-d4 (S)	%	105	70-130		02/16/16 11 43	
4-Bromofluorobenzene (S)	%	100	70-130		02/16/16 11.43	
Toluene-d8 (S)	%	102	70-130		02/16/16 11:43	

LABORATORY CONTROL SAMPLE 1666764

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	48 5	97	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1030	103	70-130	
Benzene	ug/L	50	50.2	100	70-130	
Diisopropyl ether	ug/L	50	55 5	111	70-130	
Ethanol	ug/L	2000	1790	89	70-130	
Ethyl-tert-butyl ether	ug/L	100	109	109	70-130	
Ethylbenzene	ug/L	50	48.5	97	70-130	
m&p-Xylene	ug/L	100	94 0	94	70-130	
Methyl-tert-butyl ether	ug/L	50	56.8	114	70-130	
Naphthalene	ug/L	50	49 8	100	70-130	
o-Xylene	ug/L	50	46.3	93	70-130	
tert-Amyl Alcohol	ug/L	1000	981	98	70-130	
tert-Amylmethyl ether	ug/L	100	98 6	99	70-130	
tert-Butyl Alcohol	ug/L	500	555	111	70-130	
tert-Butyl Formate	ug/L	400	448	112	70-130	
Toluene	ug/L	50	48.0	96	70-130	

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QUALITY CONTROL DATA

Project HQ HEATH UST08932 PACECA51770
Pace Project No 92285928

LABORATORY CONTROL SAMPLE 1666764

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	140	94	70-130	
1,2-Dichloroethane-d4 (S)	%			109	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE. 1666765

Parameter	Units	92285928023 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	2000	1990	98	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	40000	34700	87	70-130	
Benzene	ug/L	3400	2000	5370	98	70-130	
Diisopropyl ether	ug/L	ND	2000	2120	106	70-130	
Ethanol	ug/L	ND	80000	62900	79	70-130	
Ethyl-tert-butyl ether	ug/L	ND	4000	4120	103	70-130	
Ethylbenzene	ug/L	1110	2000	3130	101	70-130	
m&p-Xylene	ug/L	12200	4000	16000	96	70-130	
Methyl-tert-butyl ether	ug/L	ND	2000	2250	108	70-130	
Naphthalene	ug/L	587	2000	2550	98	70-130	
o-Xylene	ug/L	5940	2000	7780	92	70-130	
tert-Amyl Alcohol	ug/L	ND	40000	33600	82	70-130	
tert-Amylmethyl ether	ug/L	ND	4000	3840	95	70-130	
tert-Butyl Alcohol	ug/L	ND	20000	18200	91	70-130	
tert-Butyl Formate	ug/L	ND	16000	15400	96	70-130	
Toluene	ug/L	12400	2000	13600	61	70-130	M1
1,2-Dichloroethane-d4 (S)	%				105	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE 1666766

Parameter	Units	92286485003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	2430	2440	0	30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	2430	2370	3	30	
m&p-Xylene	ug/L	9060	8850	2	30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	865	872	1	30	
o-Xylene	ug/L	4650	4550	2	30	
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

SAMPLE DUPLICATE 1666766

Parameter	Units	92286485003 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	8920	8930	0	30	
Xylene (Total)	ug/L	13700	13400	2	30	
1,2-Dichloroethane-d4 (S)	%	101	103	2		
4-Bromofluorobenzene (S)	%	102	100	2		
Toluene-d8 (S)	%	101	101	0		

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QUALITY CONTROL DATA

Project: HQ HEATH UST08932 PACECA51770
Pace Project No 92285928

QC Batch OEXT/40706 Analysis Method: EPA 8011
QC Batch Method. EPA 8011 Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples 92285928001, 92285928002, 92285928003, 92285928005, 92285928006, 92285928007, 92285928008, 92285928009, 92285928010, 92285928012, 92285928013, 92285928014, 92285928016

METHOD BLANK: 1664219 Matrix Water
Associated Lab Samples: 92285928001, 92285928002, 92285928003, 92285928005, 92285928006, 92285928007, 92285928008, 92285928009, 92285928010, 92285928012, 92285928013, 92285928014, 92285928016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0 020	0.020	02/11/16 16:05	
1-Chloro-2-bromopropane (S)	%	95	60-140		02/11/16 16:05	

LABORATORY CONTROL SAMPLE & LCSD: 1664220 1664221

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.28	0.31	0.29	110	104	60-140	6	20	
1-Chloro-2-bromopropane (S)	%				95	92	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE 1664222 1664223

Parameter	Units	92285928002 Result	MS Spike Conc	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	.28	.28	0 31	0 36	112	130	60-140	15	20	
1-Chloro-2-bromopropane (S)	%						97	111	60-140			

SAMPLE DUPLICATE 1664224

Parameter	Units	92285928003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	74	53	33		S0

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QUALITY CONTROL DATA

Project HQ HEATH UST08932 PACECA51770
Pace Project No : 92285928

QC Batch: OEXT/40707 Analysis Method EPA 8011
QC Batch Method: EPA 8011 Analysis Description GCS 8011 EDB DBCP
Associated Lab Samples 92285928018, 92285928019, 92285928020, 92285928021, 92285928022, 92285928023, 92285928024, 92285928025, 92285928027, 92285928028, 92285928029

METHOD BLANK 1664226 Matrix Water
Associated Lab Samples: 92285928018, 92285928019, 92285928020, 92285928021, 92285928022, 92285928023, 92285928024, 92285928025, 92285928027, 92285928028, 92285928029

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0 020	0 020	02/12/16 00:56	
1-Chloro-2-bromopropane (S)	%	95	60-140		02/12/16 00:56	

LABORATORY CONTROL SAMPLE & LCSD 1664227 1664228

Parameter	Units	Spike Conc	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.29	0 33	0.36	114	130	60-140	10	20	
1-Chloro-2-bromopropane (S)	%				98	113	60-140			

SAMPLE DUPLICATE: 1664231

Parameter	Units	92285928018 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	116	118	0		

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QUALITY CONTROL DATA

Project HQ HEATH UST08932 PACECA51770
Pace Project No . 92285928

QC Batch: OEXT/40779 Analysis Method: EPA 8011
QC Batch Method. EPA 8011 Analysis Description GCS 8011 EDB DBCP
Associated Lab Samples: 92285928004, 92285928011, 92285928015

METHOD BLANK: 1666211 Matrix: Water
Associated Lab Samples: 92285928004, 92285928011, 92285928015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0 020	0.020	02/14/16 13:25	
1-Chloro-2-bromopropane (S)	%	104	60-140		02/14/16 13 25	

LABORATORY CONTROL SAMPLE & LCSD: 1666212 1666213

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.28	0 31	0.31	110	108	60-140	1	20	
1-Chloro-2-bromopropane (S)	%				96	93	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1666214 1666215

Parameter	Units	92286135018 Result	MS Spike Conc	MSD Spike Conc	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	.28	.28	0.33	0.34	118	122	60-140	3	20	
1-Chloro-2-bromopropane (S)	%						106	106	60-140			

SAMPLE DUPLICATE: 1666216

Parameter	Units	92286135021 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	109	98	11		

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QUALITY CONTROL DATA

Project HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

QC Batch: OEXT/40803 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description GCS 8011 EDB DBCP
Associated Lab Samples: 92285928017, 92285928026

METHOD BLANK: 1666787 Matrix Water
Associated Lab Samples: 92285928017, 92285928026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0 020	0 020	02/16/16 16:06	
1-Chloro-2-bromopropane (S)	%	93	60-140		02/16/16 16:06	

LABORATORY CONTROL SAMPLE & LCSD 1666788 1666789

Parameter	Units	Spike Conc	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.28	0.34	0.32	120	114	60-140	4	20	
1-Chloro-2-bromopropane (S)	%				104	97	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1666790 1666791

Parameter	Units	92286485001 Result	MS Spike Conc	MSD Spike Conc	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	.28	28	0 36	0 34	128	120	60-140	6	20	
1-Chloro-2-bromopropane (S)	%						126	113	60-140			

SAMPLE DUPLICATE: 1666792

Parameter	Units	92286485002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	150	163	7		S3

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QUALIFIERS

Project: HQ HEATH UST08932 PACECA51770
Pace Project No.. 92285928

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot

ND - Not Detected at or above adjusted reporting limit

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit

RL - Reporting Limit

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether, Styrene, and Vinyl chloride

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits Analyte presence below reporting limits in associated samples Results unaffected by high bias.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery
P5	The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes
S0	Surrogate recovery outside laboratory control limits.
S2	Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis)
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HQ HEATH UST08932 PACECA51770
Pace Project No 92285928

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92285928001	MW 1R	EPA 8011	OEXT/40706	EPA 8011	GCSV/24075
92285928002	MW 2	EPA 8011	OEXT/40706	EPA 8011	GCSV/24075
92285928003	MW 3	EPA 8011	OEXT/40706	EPA 8011	GCSV/24075
92285928004	MW 4	EPA 8011	OEXT/40779	EPA 8011	GCSV/24097
92285928005	MW 5D	EPA 8011	OEXT/40706	EPA 8011	GCSV/24075
92285928006	MW 6	EPA 8011	OEXT/40706	EPA 8011	GCSV/24075
92285928007	MW 7	EPA 8011	OEXT/40706	EPA 8011	GCSV/24075
92285928008	MW 8	EPA 8011	OEXT/40706	EPA 8011	GCSV/24075
92285928009	MW 11R	EPA 8011	OEXT/40706	EPA 8011	GCSV/24075
92285928010	MW 12	EPA 8011	OEXT/40706	EPA 8011	GCSV/24075
92285928011	MW 13	EPA 8011	OEXT/40779	EPA 8011	GCSV/24097
92285928012	MW 14	EPA 8011	OEXT/40706	EPA 8011	GCSV/24075
92285928013	MW 15	EPA 8011	OEXT/40706	EPA 8011	GCSV/24075
92285928014	MW 16	EPA 8011	OEXT/40706	EPA 8011	GCSV/24075
92285928015	MW 17R	EPA 8011	OEXT/40779	EPA 8011	GCSV/24097
92285928016	MW 18	EPA 8011	OEXT/40706	EPA 8011	GCSV/24075
92285928017	MW 19	EPA 8011	OEXT/40803	EPA 8011	GCSV/24116
92285928018	MW 25	EPA 8011	OEXT/40707	EPA 8011	GCSV/24076
92285928019	MW 28	EPA 8011	OEXT/40707	EPA 8011	GCSV/24076
92285928020	TFR 1	EPA 8011	OEXT/40707	EPA 8011	GCSV/24076
92285928021	TFR 2	EPA 8011	OEXT/40707	EPA 8011	GCSV/24076
92285928022	TFR 3	EPA 8011	OEXT/40707	EPA 8011	GCSV/24076
92285928023	TFR 4	EPA 8011	OEXT/40707	EPA 8011	GCSV/24076
92285928024	TFR 6	EPA 8011	OEXT/40707	EPA 8011	GCSV/24076
92285928025	TFR 10	EPA 8011	OEXT/40707	EPA 8011	GCSV/24076
92285928026	TFR 12	EPA 8011	OEXT/40803	EPA 8011	GCSV/24116
92285928027	MW2 DUPLICATE	EPA 8011	OEXT/40707	EPA 8011	GCSV/24076
92285928028	MW8 DUPLICATE	EPA 8011	OEXT/40707	EPA 8011	GCSV/24076
92285928029	FIELD BLANK	EPA 8011	OEXT/40707	EPA 8011	GCSV/24076
92285928001	MW 1R	EPA 8260	MSV/35579		
92285928002	MW 2	EPA 8260	MSV/35548		
92285928003	MW 3	EPA 8260	MSV/35531		
92285928004	MW 4	EPA 8260	MSV/35549		
92285928005	MW 5D	EPA 8260	MSV/35531		
92285928006	MW 6	EPA 8260	MSV/35531		
92285928007	MW 7	EPA 8260	MSV/35531		
92285928008	MW 8	EPA 8260	MSV/35531		
92285928009	MW 11R	EPA 8260	MSV/35531		
92285928010	MW 12	EPA 8260	MSV/35549		
92285928011	MW 13	EPA 8260	MSV/35531		

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Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HQ HEATH UST08932 PACECA51770
Pace Project No.: 92285928

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92285928012	MW 14	EPA 8260	MSV/35531		
92285928013	MW 15	EPA 8260	MSV/35531		
92285928014	MW 16	EPA 8260	MSV/35531		
92285928015	MW 17R	EPA 8260	MSV/35548		
92285928016	MW 18	EPA 8260	MSV/35531		
92285928017	MW 19	EPA 8260	MSV/35538		
92285928018	MW 25	EPA 8260	MSV/35538		
92285928019	MW 28	EPA 8260	MSV/35538		
92285928020	TFR 1	EPA 8260	MSV/35579		
92285928021	TFR 2	EPA 8260	MSV/35538		
92285928022	TFR 3	EPA 8260	MSV/35538		
92285928023	TFR 4	EPA 8260	MSV/35579		
92285928024	TFR 6	EPA 8260	MSV/35538		
92285928025	TFR 10	EPA 8260	MSV/35548		
92285928026	TFR 12	EPA 8260	MSV/35549		
92285928027	MW2 DUPLICATE	EPA 8260	MSV/35548		
92285928028	MW8 DUPLICATE	EPA 8260	MSV/35538		
92285928029	FIELD BLANK	EPA 8260	MSV/35538		
92285928030	TRIP BLANK	EPA 8260	MSV/35538		

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Pace Analytical®	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: 26OCT2015 Page 1 of 2
	Document No.: F-CHR-CS-003-rev.17	Issuing Authority: Pace Huntersville Quality Office

Sample Condition Upon Receipt

Client Name: SCDHEC-UST

Project #: WO# : 92285928

92285928

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other:_____

Custody Seal on Cooler/Box Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other:_____

Thermometer Used: ☐ T1505 **Type of Ice:** ☑ Wet ☐ Blue ☐ None ☑ Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.2 **Biological Tissue Frozen?** ☐ Yes ☐ No ☑ N/A

Temp should be above freezing to 6°C **Correction Factor:** 0.0 °C **Date and Initials of Person Examining Contents:** TH 2-10-16

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☑ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☑ No

If Yes to either question, fill out a Regulated Soil Checklist and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☑ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	7.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container
Sample Labels Match COC?	☐ Yes	☑ No	☐ N/A	12. no time on samples, no date on samples
-Includes Date/Time/ID/Analysis Matrix: WT				
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☑ N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide)	☐ Yes	☐ No	☑ N/A	
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC,LLHg	☑ Yes	☐ No	☐ N/A	
Samples checked for dechlorization	☐ Yes	☐ No	☑ N/A	14.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	15.
Trip Blank Present?	☑ Yes	☐ No	☐ N/A	16.
Trip Blank Custody Seals Present?	☐ Yes	☑ No	☐ N/A	
Pace Trip Blank Lot # (if purchased):				

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager SCURF Review: TC / TC **Date:** 2/10/16 / 2/10/16

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 3

2041424

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: SCDHEC-UST	Report To: J. Bryant-UST	Attention:
Address: 2600 Bull Street Columbia, SC 29201	Copy To:	Company Name:
Email To: bryantjc@dhec.sc.gov	Purchase Order No.: 4600422513	Address:
Phone: 803-898-0606 Fax: 803-898-0673	Project Name: HQ Heath Self Serve 2	Pace Quote Reference:
Requested Due Date/TAT:	Project Number: UST 08932/PACE CA 51770	Pace Project Manager: T. Carter
		Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: SC — Sumter

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BTEX, Naphth, MTBE	1,2 DCA	Oxygenates	EDB	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW 1R	WT	G		15:05	2/9/16			6				6						X	X	X	X		92285928 001
2	MW 2				12:10																			Odor 002
3	MW 3				12:45																			Odor, Duplicated 003
4	MW 4				10:35																			No Odor 004
5	MW 5D				12:55																			Odor, Slight Sheen 005
6	MW 6				12:10																			No Odor 006
7	MW 7				11:35																			No Odor 007
8	MW 8				11:01																			Odor, Sheen 008
9	MW 11R				11:55																			Odor, Duplicated 009
10	MW 12				13:00																			No Odor 010
11	MW 13				21:00																			Odor 011
12	MW 14	WT	G		10:00	2/9/16			6				6						X	X	X	X		No Odor 012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
		2/10/16	738		2/10/16	738				
		2-10-16	1326		2/10/16	1326	3.2	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Colin Phillips

SIGNATURE of SAMPLER: Colin Phillips

DATE Signed (MM/DD/YY): 2/9/16

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 3

2041425

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: SCDHEC - UST	Report To: J Bryant - UST	Attention:
Address: 2600 Bull Street	Copy To:	Company Name:
Columbia SC 29201		Address:
Email To: BryantJC@dhec.sc.gov	Purchase Order No.: 4600422513	Pace Quote Reference:
Phone: 803 898 0606 Fax: 803 898 0673	Project Name: HQ Health Self serve 2	Pace Project Manager: T. Carter
Requested Due Date/TAT:	Project Number: UST # 08932 Pace CA #57770	Pace Profile #:

REGULATORY AGENCY

NPDES ☐ GROUND WATER ☐ DRINKING WATER
UST ☑ RCRA ☐ OTHER

Site Location STATE: SC — Sumter

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BTEX, Naph, MTBE	1,2 DCA	oxygenates	EDB	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW 15	Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT	WT	G			2/9/16	10:30		6				6						X	X	X	X		No Odor 013
2	MW 16							11:50																	No Odor 014
3	MW 17R							10:15																	No Odor 015
4	MW 18							10:20																	No Odor 216
5	MW 19							9:35																	Odor 017
6	MW 25							10:05																	No Odor 018
7	MW 28							9:40																	No Odor 019
8	TFR 1							12:40																	Odor Sheen 020
9	TFR 2							13:15																	Odor Sheen 021
10	TFR 3							13:25																	Slight Odor 022
11	TFR 4							11:5[illegible]																	Odor Heavy Sheen 023
12	TFR 6		WT	G			2/9/16	11:15		6				6						X	X	X	X		Odor 024

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		2/10/16	738		2/10/16	738				
		2.10.16	1326	Tyson Hook pace lab	2/10/16	1326	3.2	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Colin Phillips

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2/9/16

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

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2041426

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: SCDHEC - UST	Report To: J Bryant - UST	Attention:
Address: 2600 Bull Street Columbia SC 29201	Copy To:	Company Name:
		Address:
Email To: BryantJC@dhec.sc.gov	Purchase Order No.: 4600422513	Pace Quote Reference:
Phone: 803 898 0606 Fax: 803 898 0673	Project Name: HA Hearn Self Srvc 2	Pace Project Manager: T Carter
Requested Due Date/TAT:	Project Number: UST#08432 PaceCA#51770	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER

Site Location STATE: SC — Sumter

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Matrix Codes (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BTEX Naph mtbe	1,2 DCA	Oxygenates	EDB	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	TFR 10	WT	G			2/9/16	10:35		6				6						X	X	X	X		92285428 Slight Odor	025
2	TFR 12						10:50																	Odor	026
3	MW 3 duplicate						11:10																	Odor	027
4	MW 8 duplicate						11:01																	Odor	028
5	Field Blank						15:00		6				6						X	X	X	X			029
6	Trip Blank	WT	G			2/9/16	15:00		2				8						X	X	X				030
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
		2/9/16	738		2/10/16	738	
		2-10-16	1326	Tyrie Hodges pace lab	2/10/16	1326	3.2 Y N Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Colin Phillips

SIGNATURE of SAMPLER: Colin Phillips — DATE Signed (MM/DD/YY): 2/9/16

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

UST DOCUMENTS
UST Vacuum Robert JUL 12 2017 DIVISION

UNDERGROUND STORAGE TANK (UST) OWNER/OPERATOR LEAD INFORMATION SHEET

1. CONTRACTOR OF CHOICE

As the UST Owner/Operator of UST Permit # 08932 (HQ Heath Self Serve 2), I would like to use the contractor or person(s)* listed below and request that they represent me for: (check one)

( ) Initial Groundwater Assessment
( ) Other (please specify)_____
(X) all future assessments and remedial scopes. **

Name of Contractor/Person(s): Midlands Environmental Consultants, Inc.

Address: 231 Dooley Road, Lexington, SC 29073

Telephone Number: (803) 808-2043

Note: Site rehabilitation activities must be performed by a SCDHEC Certified Site Rehabilitation Contractor in accordance with R.61-98.

*indicate if the person listed is your own employee

** if you would like the contractor to perform all future assessment activities at this and/or other facilities 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)

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 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.

I request that payment be made to me after I have paid the contractor. _____ Yes _____ No (please initial)
I request that payment be made directly to the contractor. _X_ Yes _____ No (please initial)

RECEIVED
JUL 12 2017
SC Department of Health & Environmental Control

Note: All costs must receive prior financial approval from the Department regardless of payment option.

Underground Storage Tank Owner/Operator Signature Doug Cason

Date 7/12/17

dhec
Healthy People Healthy Communities

APR 20 2018

08932

BRYAN SHANE
MIDLANDS ENVIRONMENTAL CONSULTANTS
PO BOX 854
LEXINGTON SC 29071

UST 106 Tech DOCKETING

Re: **Site Specific Work Plan Requests**
Groundwater Sampling Contract
Solicitation #IFB-5400012906; PO #4600603934

Dear Mr. Shane:

In accordance with bid solicitation # IFB-5400012906 and the UST Management Division Quality Assurance Program Plan (QAPP), Revision 3.1 it is requested that you submit a Site Specific Work Plan (SSWP) for each site attached:

UST Permit #	Site Name	Project Manager
09449	Local Market #3	Carolyn Moores
14300	Mozingo's Gulf & Grocery	Thomas Gladden
14597	Hoopers Auto Service	Read Miner
00420	Cooley's Grocery	Read Miner
16545	Former Thomas Exxon	Read Miner
16009	Mary Moorhead Property	Read Miner
00428	Rogers Auto Parts	Read Miner
09099	North Kingstree Shell	Steven Martin
08979	Gregory's Grocery	Thomas Gladden
08795	Blue Ridge Transfer	Thomas Gladden
08932	H Q Health Self Serv 2	Thomas Gladden

The SSWPs must be submitted **within 15 business days** to my attention. The project manager for each site will issue a notice to proceed once the plan has been reviewed and approved.

Please contact me with the sampling schedule before commencing work at these facilities. In addition, a weekly update for each site is required to be submitted via e-mail to the site's project manager and myself. If you have any questions or need further assistance, please contact me at (803) 898-0607 or thrasham@dhec.sc.gov.

Sincerely,

FOR
Ashleigh Thrash, Hydrogeologist
Corrective Action & Quality Assurance Section
UST Management Division
Bureau of Land & Waste Management

enc: Site Information Packages

cc: Technical Files

S.C. Department of Health and Environmental Control

UNDERGROUND STORAGE TANK PROGRAM
BUREAU OF LAND AND WASTE MANAGEMENT
2600 Bull Street, Columbia, South Carolina 29201
Telephone: 803-898-2544

MEMORANDUM

TO: Midlands Environmental Consultants, Inc

FROM: Thomas Gladden Jr

RE: **Site Specific Work Plan Request**

Facility Name: H Q Health Self Serv 2

Permit Number: 08932

County: Sumter

Work To Be Completed: Sample all wells for BTEX, MtBe, oxygenates, 1-2 DCA and EDB. All wells must be purgedd prior to sampling.

Total Number of Monitoring Well Samples: 26

Analysis Being Requested: 8260 B

D H E C

PROMOTE PROTECT PROSPER

C Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment

RIGHT-OF-ENTRY FORM

PROPERTY OWNER
UST Permit #08932

If you are the Property Owner or are the authorized representative for that person, but did not own the former or existing underground storage tanks at the time the release was reported, please complete this form.

I, Ida B. Sutton, certify that I am the legal owner of the property identified below or serve as the authorized representative for the property owner. I authorize the South Carolina Department of Health and Environmental Control (SCDHEC), or a contractor selected by SCDHEC, to enter this property at reasonable times only to conduct assessment and corrective action activities, as required. The contractor will be designated as the contractor for the UST owner or operator for only the required environmental site rehabilitation activities. Compensation to the contractor will be from the SUPERB Account and I will have no obligation to pay the contractor. I understand that SCDHEC will notify me of all activities that are necessary prior to their initiation and will promptly provide to me a summary of the data upon request.

Name of Facility HQ Heath Self Serve # 2 Phone # 803-773-7246

Street Address of Facility 501 N. Guignard Drive

Town, City, District, Suburb Sumter

Name of nearest intersecting street, road, highway, alley Miller Road

Is this facility within the city limits? (yes or no) Yes

Does a public water or sewer utility service this facility? (yes or no) Yes, if no, please provide the name and phone number of a person that we can contact that can assist in the location of private water and septic tank lines _____, phone number _____

Were underground storage tanks previously removed from the ground at this facility? (yes or no) Yes If yes, please provide the name of a person we can contact that can assist in the location of the former underground storage tank excavation Doug Leonard Phone number 704-551-4023

Is the property currently leased or rented to someone? (yes or no) _____. If yes, please provide their name _____ and phone number _____ and let them know about the pending assessment activities. If vehicles or other mobile structures are parked over the former or existing underground storage tanks, they should be moved before SCDHEC's contractor gets to the site.

NAME of Property owner (Please Print): Mrs. Ida Sutton

Phone Number (home) (803) 773-7246 (work) _____

Current Mailing Address: 103 Burns Drive, Sumter, SC 29150

Signature of Property Owner: Ida B. Sutton

Witness: _____

Date: April Month 26 Day 2004 Year

SCDHEC UST Management Tracking

BOTH billable and unbillable tanks

Site Information for N-08932 Facility: H Q HEATH SELF SERV 2

Bus. Address	501 N GUIGNARD DR SUMTER	SC 29150	**Phone** **County**	Sumter	**District**	Sumter EQC Office	
Category	Retail Sales		**Last Inspection**	01/22/99	**Trans. of Ownership**		
Tank Owner	HEATH OIL COMPANY						
Bus. Address	PO BOX 787 SUMTER	SC 29151-0787	**Phone**	803-773-3307	**Financial Responsibility** **Financial Mechanism**	**Expiration Date**	
Operator					Self Insurance 280 101		
Bus. Address			**Phone**				
Land Owner							
Bus. Address			**Phone**				

Tanks 11 **Billable** 0 **Aband.** 10 **Other** 1

Compliance Operator(s)	ID	Training Date

Significant? Y **Memo Date:** 02/15/05

Site Memo: Same physical location at UST Permit #18327

Significant? N **Memo Date:** 02/24/01

Site Memo: Multiple ID#, Tanks from ID# 08857 have been added to this ID# i
08-19-93 DGS i
12/10/96 Site inspection found three unregistered tanks (1k solvent i tank, 550 gal. WO, & 3k GN) Mr. Heath sent in a Notification for i UST's no longer in operation, for all three, on 08/27/96 I think i the 3k GN is CIU and the other two have been TOU since the 1960's i Mr. Heath was using GWM for leak detection, but when I had him take i a sample from both of the wells they came up dry. The site had also i reported a release earlier in the year. I told him to start IC i since his method was inadequate for proper release detection I i think the unregistered 3k tank is manifolded to the other registered i 3k tank, but Mr Heath sent the info in on a notification for UST's i no longer in use 01/09/97 I went back to the site to confirm that i the two 3K's are manifolded together, and they are MHP
Tanks 3 & 9 are manifolded & share lid

1-7-99 #18327 SAME SITE DIFFERENT OWNER DMO
used insp date as tos date cja
Teresa from G & K Tank Services called to report that 5 tanks had i been removed, the p-74 waste oil and the 4 tos tanks. They do not i plan to remove the 1k naptha tank They have located a 7th tank and i will investigate to determine if it is a heating oil tank or not i
cja 5/12/99

Significant? N **Memo Date:** 02/24/01

Site Memo: 2/6/98--tanks 3 and 9 are manifolded and share a LLD--SMM

SCDHEC UST Management Tracking

BOTH billable and unbillable tanks

Site Information for N-08932 Facility: H Q HEATH SELF SERV 2

Significant? N **Memo Date:** 02/24/01

Site Memo: 10/08/99-All tanks RFG Release is from WO tank-DCP
10/20/99-spoke to rep of Coca-Cola Doug Leonard & he said he would
send letter confirming Coca-Cola's desire to be responsible for the
second release as well as the first

Rel. No. 1 **Active Tnks**

Reported	07/31/96	**Status**	Confirmed - Active	**Product**	Petroleum	**Compl Required**	Y
NFA		**Fin. Type**	With SUPERB	**RBCA / Score**	2BA 2098	**Compliance Met**	Y
Confirmed	08/23/96	**Emer. Resp.**		**Superb Qualified**	Y	**Compliance Met Dt**	
CU Init.	09/08/98	**Abate. Met**	07/31/96	**Superb Determ. Dt**	05/08/98	**Fin Res Mechanism**	
CU Compl.		**Transferred**		**Project Manager**	GLADDEN THOMAS		
CU > MCL		**Source**	UST	**Responsible Party**	COCA COLA BOTTLING CO CONSOLIDATED		

Ranking **SCRBCA:** 2BA - Free product > 1 foot **FP Thick:** Unknown

Rel. No. 1 **Analyticals**

Contaminant	ug/L	RBSL	Score	SSTL's
Benzene	9950	5	1990	
Toluene	49300	1000	49	
Ethylbenzene	3620	700	5	
Xylene	30300	10000	3	
Naphthalene	1240	25	50	
MTBE	19 8	40	0	
	Total Score:		2098	

Other Contaminants	ug/L	SSTL's
1,2-DCA TFR-6 J	130	
EDB MW-7	148	
EDB TFR-12	57 6	
EDB TFR-3	78 2	
GWS FEB 09, 2016		
NO FP FEB 09, 2016		
TAA TFR-6	5260	

Receptor Ttype: CREEK **Ground Water Flow:** SE
Distancd to Receptor: 800 **Seepage Velocity:** 6 1
GW Depth: 12 84

Rel. No. 2 **Active Tnks**

Reported	10/04/99	**Status**	Confirmed - Closed	**Product**	Petroleum	**Compl Required**	Y
NFA	12/21/99	**Fin. Type**	With SUPERB 25K	**RBCA / Score**	2BB 4	**Compliance Met**	Y
Confirmed	10/07/99	**Emer. Resp.**		**Superb Qualified**	Y	**Compliance Met Dt**	
CU Init.	12/08/99	**Abate. Met**	05/11/99	**Superb Determ. Dt**	11/02/99	**Fin Res Mechanism**	
CU Compl.	12/08/99	**Transferred**		**Project Manager**	CORLEY H REED		
CU > MCL		**Source**	UST	**Responsible Party**	COCA COLA BOTTLING CO CONSOLIDATED		

Ranking **SCRBCA:** 2BB - Watersupply wells < 1000 feet downgrade **FP Thick:** Unknown

Rel. No. 2 **Analyticals**

Contaminant	ug/L	RBSL	Score	SSTL's
Benzene	13	5	3	0
Toluene	6	1000	0	0
Ethylbenzene	5	700	0	0
Xylene	45	10000	0	0
Naphthalene	18	25	1	0
MTBE	14	40	0	0
	Total Score:		4	

Other Contaminants	ug/L	SSTL's

Receptor Ttype: **Ground Water Flow:**
Distancd to Receptor: **Seepage Velocity:**
GW Depth:

SCDHEC UST Management Tracking

BOTH billable and unbillable tanks

Site Information for N-08932 Facility: H Q HEATH SELF SERV 2

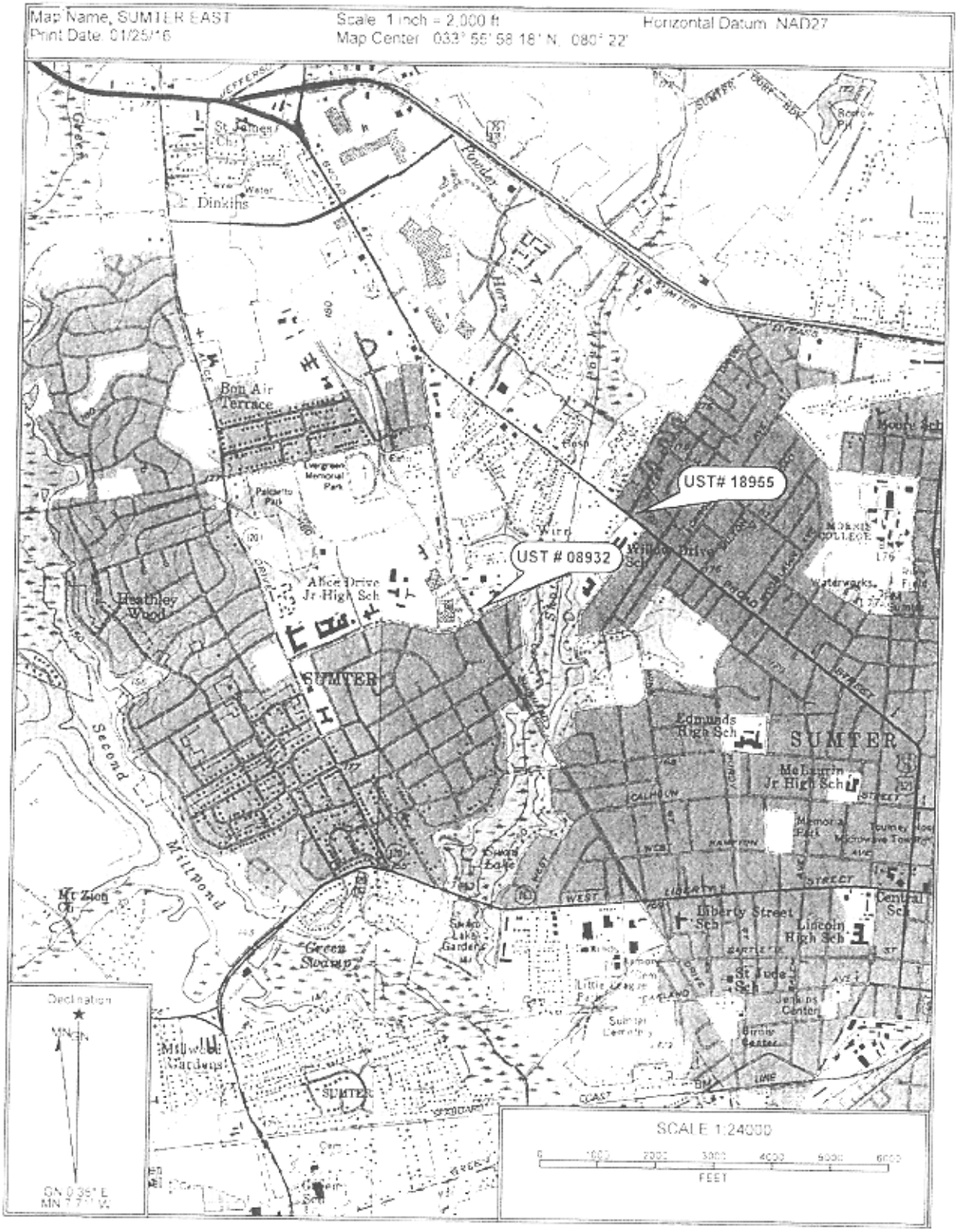
Tank No.	1	**Const.**		**Class**	N	**Tank Const. Mat.**	SL			**Pipe Const. Mat.**	SL
		Operate	08/14/87	**T Status**	ABD	**Tank Protect.**		**CP**		**Pipe Protect.**	**CP**
		Notify	08/14/87	**Capacity**	10,000	**Tank Cont. Meth.**	SW			**Pipe Cont. Meth.**	SW
		Variance		**Product**	GN	**Overfill Type**		**Ver**		**Piping Type**	PR
		Compl.		**C Status**		**Age @ Notif.**	5			**Dist. to Well**	
		Spill Det.	12/10/96	**Left Gal.**	0	**Owner @ ABD**	HEATH OIL COMPANY			**Last Use**	01/22/99
		Aband.	05/11/99	**Method**	RG	**CAS No.**		**Chem.**			
		Under Dispenser Cont.	N	**Drop Tube**	N	**Tank Leak Det.**	IC TTT			**Pipe Leak Det.**	LLD LTT
Tank No.	2	**Const.**		**Class**	N	**Tank Const. Mat.**	SL			**Pipe Const. Mat.**	SL
		Operate	08/14/87	**T Status**	ABD	**Tank Protect.**		**CP**		**Pipe Protect.**	**CP**
		Notify	08/14/87	**Capacity**	6,000	**Tank Cont. Meth.**	SW			**Pipe Cont. Meth.**	SW
		Variance		**Product**	GN	**Overfill Type**		**Ver**		**Piping Type**	PR
		Compl.		**C Status**		**Age @ Notif.**	5			**Dist. to Well**	
		Spill Det.	12/10/96	**Left Gal.**	0	**Owner @ ABD**	HEATH OIL COMPANY			**Last Use**	01/22/99
		Aband.	05/11/99	**Method**	RG	**CAS No.**		**Chem.**			
		Under Dispenser Cont.	N	**Drop Tube**	N	**Tank Leak Det.**	IC TTT			**Pipe Leak Det.**	LLD LTT
Tank No.	3	**Const.**		**Class**	N	**Tank Const. Mat.**	SL			**Pipe Const. Mat.**	SL
		Operate	08/14/87	**T Status**	ABD	**Tank Protect.**		**CP**		**Pipe Protect.**	**CP**
		Notify	08/14/87	**Capacity**	3,000	**Tank Cont. Meth.**	SW			**Pipe Cont. Meth.**	SW
		Variance		**Product**	GN	**Overfill Type**		**Ver**		**Piping Type**	PR
		Compl.		**C Status**		**Age @ Notif.**	15			**Dist. to Well**	
		Spill Det.	12/10/96	**Left Gal.**	0	**Owner @ ABD**	HEATH OIL COMPANY			**Last Use**	01/22/99
		Aband.	05/11/99	**Method**	RG	**CAS No.**		**Chem.**			
		Under Dispenser Cont.	N	**Drop Tube**	N	**Tank Leak Det.**	TTT IC			**Pipe Leak Det.**	LTT LLD
Tank No.	4	**Const.**		**Class**	N	**Tank Const. Mat.**	SL			**Pipe Const. Mat.**	SL
		Operate		**T Status**	ABD	**Tank Protect.**		**CP**		**Pipe Protect.**	**CP**
		Notify		**Capacity**	3,000	**Tank Cont. Meth.**	SW			**Pipe Cont. Meth.**	SW
		Variance		**Product**	GN	**Overfill Type**		**Ver**		**Piping Type**	
		Compl.		**C Status**		**Age @ Notif.**				**Dist. to Well**	
		Spill Det.		**Left Gal.**		**Owner @ ABD**	HEATH OIL COMPANY			**Last Use**	
		Aband.	11/11/11	**Method**	RG	**CAS No.**		**Chem.**			
		Under Dispenser Cont.	N	**Drop Tube**	N	**Tank Leak Det.**				**Pipe Leak Det.**	
Tank No.	5	**Const.**		**Class**	N	**Tank Const. Mat.**	SL			**Pipe Const. Mat.**	SL
		Operate		**T Status**	ABD	**Tank Protect.**		**CP**		**Pipe Protect.**	**CP**
		Notify		**Capacity**	3,000	**Tank Cont. Meth.**	SW			**Pipe Cont. Meth.**	SW
		Variance		**Product**	GN	**Overfill Type**		**Ver**		**Piping Type**	
		Compl.		**C Status**		**Age @ Notif.**				**Dist. to Well**	
		Spill Det.		**Left Gal.**		**Owner @ ABD**	HEATH OIL COMPANY			**Last Use**	
		Aband.	11/11/11	**Method**	RG	**CAS No.**		**Chem.**			
		Under Dispenser Cont.	N	**Drop Tube**	N	**Tank Leak Det.**				**Pipe Leak Det.**	
Tank No.	6	**Const.**		**Class**	N	**Tank Const. Mat.**	SL			**Pipe Const. Mat.**	SL
		Operate		**T Status**	ABD	**Tank Protect.**		**CP**		**Pipe Protect.**	**CP**
		Notify		**Capacity**	3,000	**Tank Cont. Meth.**	SW			**Pipe Cont. Meth.**	SW
		Variance		**Product**	GN	**Overfill Type**		**Ver**		**Piping Type**	
		Compl.		**C Status**		**Age @ Notif.**				**Dist. to Well**	
		Spill Det.		**Left Gal.**		**Owner @ ABD**	HEATH OIL COMPANY			**Last Use**	
		Aband.	11/11/11	**Method**	RG	**CAS No.**		**Chem.**			
		Under Dispenser Cont.	N	**Drop Tube**	N	**Tank Leak Det.**				**Pipe Leak Det.**	

SCDHEC UST Management Tracking

BOTH billable and unbillable tanks

Site Information for N-08932 Facility: H Q HEATH SELF SERV 2

Tank No.	7	**Const.**		**Class**	N	**Tank Const. Mat.**	SL	**Pipe Const. Mat.**	SL
		Operate		**T Status**	ABD	**Tank Protect.**	CP	**Pipe Protect.**	CP
		Notify		**Capacity**	3,000	**Tank Cont. Meth.**	SW	**Pipe Cont. Meth.**	SW
		Variance		**Product**	GN	**Overfill Type**	Ver	**Piping Type**	
		Compl.		**C Status**		**Age @ Notif.**		**Dist. to Well**	
		Spill Det.		**Left Gal.**		**Owner @ ABD**	HEATH OIL COMPANY		**Last Use**
		Aband.	11/11/11	**Method**	RG	**CAS No.**	**Chem.**		
		Under Dispenser Cont.	N	**Drop Tube**	N	**Tank Leak Det.**		**Pipe Leak Det.**	
Tank No.	8	**Const.**		**Class**	N	**Tank Const. Mat.**		**Pipe Const. Mat.**	
		Operate		**T Status**	ABD	**Tank Protect.**	CP	**Pipe Protect.**	CP
		Notify		**Capacity**	3,000	**Tank Cont. Meth.**	SW	**Pipe Cont. Meth.**	SW
		Variance		**Product**	MH	**Overfill Type**	Ver	**Piping Type**	
		Compl.		**C Status**		**Age @ Notif.**		**Dist. to Well**	
		Spill Det.		**Left Gal.**		**Owner @ ABD**	HEATH OIL COMPANY		**Last Use**
		Aband.	11/11/11	**Method**	RG	**CAS No.**	**Chem.**		
		Under Dispenser Cont.	N	**Drop Tube**	N	**Tank Leak Det.**		**Pipe Leak Det.**	
Tank No.	9	**Const.**		**Class**	N	**Tank Const. Mat.**	SL	**Pipe Const. Mat.**	SL
		Operate	11/11/11	**T Status**	ABD	**Tank Protect.**	CP	**Pipe Protect.**	CP
		Notify	08/27/96	**Capacity**	3,000	**Tank Cont. Meth.**	SW	**Pipe Cont. Meth.**	SW
		Variance		**Product**	GN	**Overfill Type**	Ver	**Piping Type**	PR
		Compl.		**C Status**		**Age @ Notif.**	15	**Dist. to Well**	
		Spill Det.		**Left Gal.**	0	**Owner @ ABD**	HEATH OIL COMPANY		**Last Use** 01/22/99
		Aband.	05/11/99	**Method**	RG	**CAS No.**	**Chem.**		
		Under Dispenser Cont.	N	**Drop Tube**	N	**Tank Leak Det.**	IC TTT	**Pipe Leak Det.**	SEE MEMO
Tank No.	10	**Const.**		**Class**	U	**Tank Const. Mat.**	SL	**Pipe Const. Mat.**	SL
		Operate		**T Status**	P74	**Tank Protect.**	CP	**Pipe Protect.**	CP
		Notify	08/27/96	**Capacity**	1,000	**Tank Cont. Meth.**	SW	**Pipe Cont. Meth.**	SW
		Variance		**Product**	NP	**Overfill Type**	Ver	**Piping Type**	
		Compl.		**C Status**		**Age @ Notif.**	25	**Dist. to Well**	
		Spill Det.		**Left Gal.**	0	**Owner @ ABD**			**Last Use** 01/01/65
		Aband.		**Method**		**CAS No.**	**Chem.**		
		Under Dispenser Cont.	N	**Drop Tube**	N	**Tank Leak Det.**		**Pipe Leak Det.**	
Tank No.	11	**Const.**		**Class**	N	**Tank Const. Mat.**	SL	**Pipe Const. Mat.**	SL
		Operate	01/01/65	**T Status**	ABD	**Tank Protect.**	CP	**Pipe Protect.**	CP
		Notify	08/27/96	**Capacity**	550	**Tank Cont. Meth.**	SW	**Pipe Cont. Meth.**	SW
		Variance		**Product**	WO	**Overfill Type**	Ver	**Piping Type**	
		Compl.		**C Status**		**Age @ Notif.**	25	**Dist. to Well**	
		Spill Det.		**Left Gal.**	0	**Owner @ ABD**	HEATH OIL COMPANY		**Last Use** 01/01/65
		Aband.	05/11/99	**Method**	RG	**CAS No.**	**Chem.**		
		Under Dispenser Cont.	N	**Drop Tube**	N	**Tank Leak Det.**		**Pipe Leak Det.**	


Map Name: SUMTER EAST
Print Date: 01/25/16
Scale: 1 inch = 2,000 ft
Map Center: 033° 55' 58.18" N, 080° 22'
Horizontal Datum: NAD27
UST# 18955
UST # 08932
SUMTER
Bon Air Terrace
Alice Drive Jr High Sch
Heatherly Wood
Second Millpond
Edmunds High Sch
McLaurin Jr High Sch
Liberty Street Sch
Lincoln High Sch
Central Sch
St Jude Sch
Mt Zion Cem
Green Swamp
Declination
MN 9.35° E
MN 7.77° W
SCALE 1:24000
FEET

Site Activity Summary

UST Permit #: 08932
Facility Name: HQ Heath Self Serve
County: Sumter
Field Personnel: P. Wylie, C. Hansen, C. Phillips

Midlands Environmental Consultants, Inc.

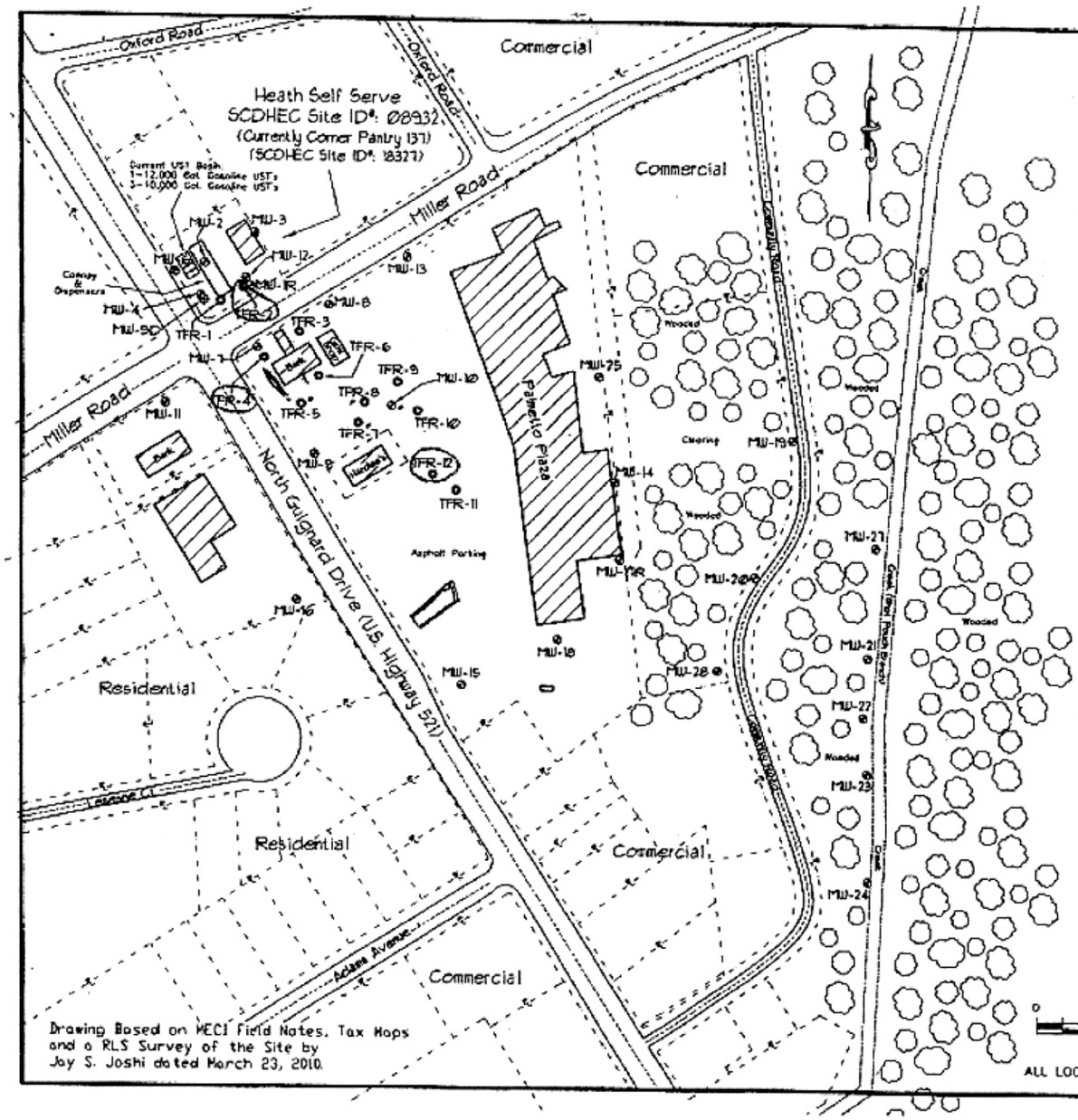
Sample ID	Sampled?	Date	Time	Screened Interval	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Initial Dissolved Oxygen (mg/l)	# Gals. Purged	Comments
MW-1R	Y	2/9/16	13:05	12-22	***	16.11	***	0.71	***	Odor; No Purge
MW-2	Y	2/9/16	12:10	14-24	***	14.94	***	0.59	***	Odor; No Purge, Duplicated
MW-3	Y	2/9/16	12:45	14-24	***	16.62	***	4.14	***	No Odor
MW-4	Y	2/9/16	12.35	14-24	***	12.52	***	0.42	9.00	Odor; Slight Sheen; Total Depth: 17.00
MW-5D	Y	2/9/16	12:55	40-45	***	14.35	***	1.09	22.00	No Odor
MW-6	Y	2/9/16	12:10	12-22	***	14.09	***	1.18	***	No Odor; No Purge
MW-7	Y	2/9/16	11:35	12-22	***	14.92	***	0.92	***	Odor; Slight Sheen; No Purge
MW-8	Y	2/9/16	11:01	13-23	***	15.83	***	0.96	***	Odor; Slight Sheen; No Purge, Duplicated
MW-11R	Y	2/9/16	11:55	12-22	***	13.65	***	1.00	***	No Odor; No Purge
MW-12	Y	2/9/16	13:00	10-20	***	15.47	***	0.72	***	Odor; No Purge
MW-13	Y	2/9/16	11.00	13-23	***	16.28	***	4.22	***	No Odor; No Purge
MW-14	Y	2/9/16	10:00	10-20	***	10.39	***	4.04	***	No Odor; No Purge
MW-15	Y	2/9/16	10:30	8-18	***	9.95	***	1.71	***	No Odor; No Purge
MW-16	Y	2/9/16	11:50	10-20	***	10.93	***	4.56	***	No Odor; No Purge
MW-17R	Y	2/9/16	10:15	10-20	***	10.18	***	1.72	***	No Odor; No Purge
									31.00	**TOTAL GALLONS PURGED**

Site Activity Summary

UST Permit #: 08932
Facility Name: HQ Heath Self Serve
County: Sumter
Field Personnel: P. Wylie, C. Hansen, C. Phillips

Midlands Environmental Consultants, Inc.

Sample ID	Sampled?	Date	Time	Screened Interval	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Initial Dissolved Oxygen (mg/l)	# Gals. Purged	Comments
MW-18	Y	2/9/16	10:25	10-20	***	10.83	***	1.92	***	No Odor; No Purge
MW-19	Y	2/9/16	9:35	13-23	***	2.69	***	0.81	***	Odor
MW-25	Y	2/9/16	10:05	6-16	***	7.56	***	5.47	***	No Odor; No Purge
MW-28	Y	2/9/16	9:40	2-12	***	3.18	***	1.29	9.5	No Odor; Stick Up: 2.50
TFR-1	Y	2/9/16	12:40	TD: 24.40	***	14 74	***	0.71	***	Odor; Sheen; No Purge
TFR-2	Y	2/9/16	13:15	TD: 24.00	***	15.34	***	0.51	***	Odor; No Purge
TFR-3	Y	2/9/16	11:25	TD: 25.20	***	15.2	***	0.64	21	Slight Odor
TFR-4	Y	2/9/16	11:35	TD. 24.30	***	15.11	***	Sheen	***	Odor; Heavy Sheen; No Purge
TFR-6	Y	2/9/16	11:15	TD:22.18	***	15.05	***	0.71	***	Odor; No Purge
TFR-10	Y	2/9/16	10:55	TD: 24.92	***	14.31	***	0.58	***	Slight Odor
TFR-12	Y	2/9/16	10:40	TD: 20.00	***	13.6	***	0.88	***	Odor; No Purge
MW-2 Dup	Y	2/9/16	12:10	***	***	***	***	***	***	Odor; Duplicate
MW-8 Dup	Y	2/9/16	11:01	***	***	***	***	***	***	Odor; Slight Sheen; Duplicate
Field Blank	Y	2/9/16	15:00	***	***	***	***	***	***	Field Blank
Trip Blank	Y	2/9/16	15:01	***	***	***	***	***	***	Trip Blank
									30.50	**TOTAL GALLONS PURGED**



Explanation:

- Location of Water Table Bracketing Monitoring Well
- Location of 4-inch Recovery Well
- Location of Double Cased Monitoring Well
- Estimated Location of Existing Underground Storage Tanks
- Property Line

Groundwater Elevation Data

Well #	Date Sampled	Depth to Water (Feet)	Well Head Elevation	Groundwater Elevation
MW-1R	3/17/10	16.51	171.85	155.34
MW-11R	3/17/10	15.19	170.33	155.14
MW-17R	3/17/10	11.73	163.81	152.08
MW-19	3/17/10	3.38	149.34	145.96
MW-28	3/17/10	4.81	153.73	148.92

Notes:

Depth to groundwater measured on March 17, 2010.

COC Concentration Data

Sample #	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Total BTEX (ug/L)	MTBE (ug/L)	Naphthalene (ug/L)
MW-1R	2,840	34,800	5,860	28,500	72,000	<250	829
MW-11R	13.0	70.2	36.3	175	294.5	<5.0	<5.0
MW-17R	4,450	6,450	919	3,670	15,489	198	164
MW-19	134	<5.0	<5.0	<10.0	134	12.7	5.0
MW-28	<5.0	<5.0	<5.0	<10.0	BDL	<5.0	<5.0

Notes: Groundwater samples collected on March 17, 2010.
BDL = Below Detection Limits

GRAPHIC SCALE
0 100 200 300 400
1IN = 200FT

ALL LOCATIONS ARE APPROXIMATE

Site Features

Heath Self Serve 2
Sumter, South Carolina
SCDHEC Site ID# 08932

Midlands Environmental Consultants, Inc.

JOB NO. 11-3336
DATE August 22, 2011
FIGURE 3

UST
MAY 0 2 2018
DIVISION

Midlands Environmental Consultants, Inc.

May 2, 2018

Mr. Thomas Gladden Jr., Hydrogeologist
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

UST
108
DOCKETING

Subject: Site-Specific Work Plan
HQ Heath Self Serve 2
Sumter, South Carolina
SCDHEC Site ID Number 08932
MECI Project Number 18-6417
Certified Site Rehabilitation Contractor UCC-0009

Dear Ms. Thrash,

Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Site-Specific Work Plan for the referenced site.

On April 30, 2018, MECI personnel performed a site visit to the subject site to evaluate site conditions, locate monitoring wells and identify potential problems for future sampling activities.

If you have any question or comments please feel free to contact us at 803-808-2043.

Sincerely,
Midlands Environmental Consultants, Inc.

Kyle V. Pudney
Project Biologist

Jeff L. Coleman
Senior Scientist

Post Office Box 854, Lexington SC 29071 • 231 Dooley Road, Lexington, SC 29073
Telephone: (803) 808-2043 • fax: (803) 808-2048

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

To: Mr. Thomas Gladden Jr. (SCDHEC Project Manager)
From: Jeff L. Coleman (Contractor Project Manager)
Contractor: Midlands Environmental Consultants, Inc. UST Contractor Certification Number: 009

Facility Name: HQ Heath Self Serv 2 UST Permit #: 08932
Facility Address: 501 N Guignard Drive, Sumter, SC 29150
Responsible Party: Coca Cola Bottling Company Consolidated Phone: 704-557-4023
RP Address: 4115 Coca-Cola Plaza, Charlotte, NC 28211
Property Owner (if different): Mrs. Ida Sutton
Property Owner Address: 103 Burns Drive, Sumter, SC 29150
Current Use of Property: Active Station

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	1 Field Blank
26 Monitoring Wells	____ Surface Water	2 Duplicate	1 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 #: 08932 Facility Name: HQ Heath Self Serv 2

Implementation Schedule (Number of calendar days from approval)
Field Work Start-Up: 5/2/2018 Field Work Completion: 6/2/2018
Report Submittal: 7/2/2018 # of Copies Provided to Property Owners: 0

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

Investigation Derived Waste Disposal
Soil: _____ Tons Purge Water: 200.0 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.

-During the initial site visit, monitoring wells MW-14, MW-19, MW-28 were unable to be located. MECI will utilize additional personnel during sampling activities in order to hopefully find these wells.
-All wells will be purged prior to sample collection.
-Groundwater samples collected will be analyzed for BTEXNM, 1-2 DCA, 8 Oxy's (8260B) & EDB (8011).

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: _____

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

None 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
June 15, 2017

Facility Name: Heath Self Serv 2

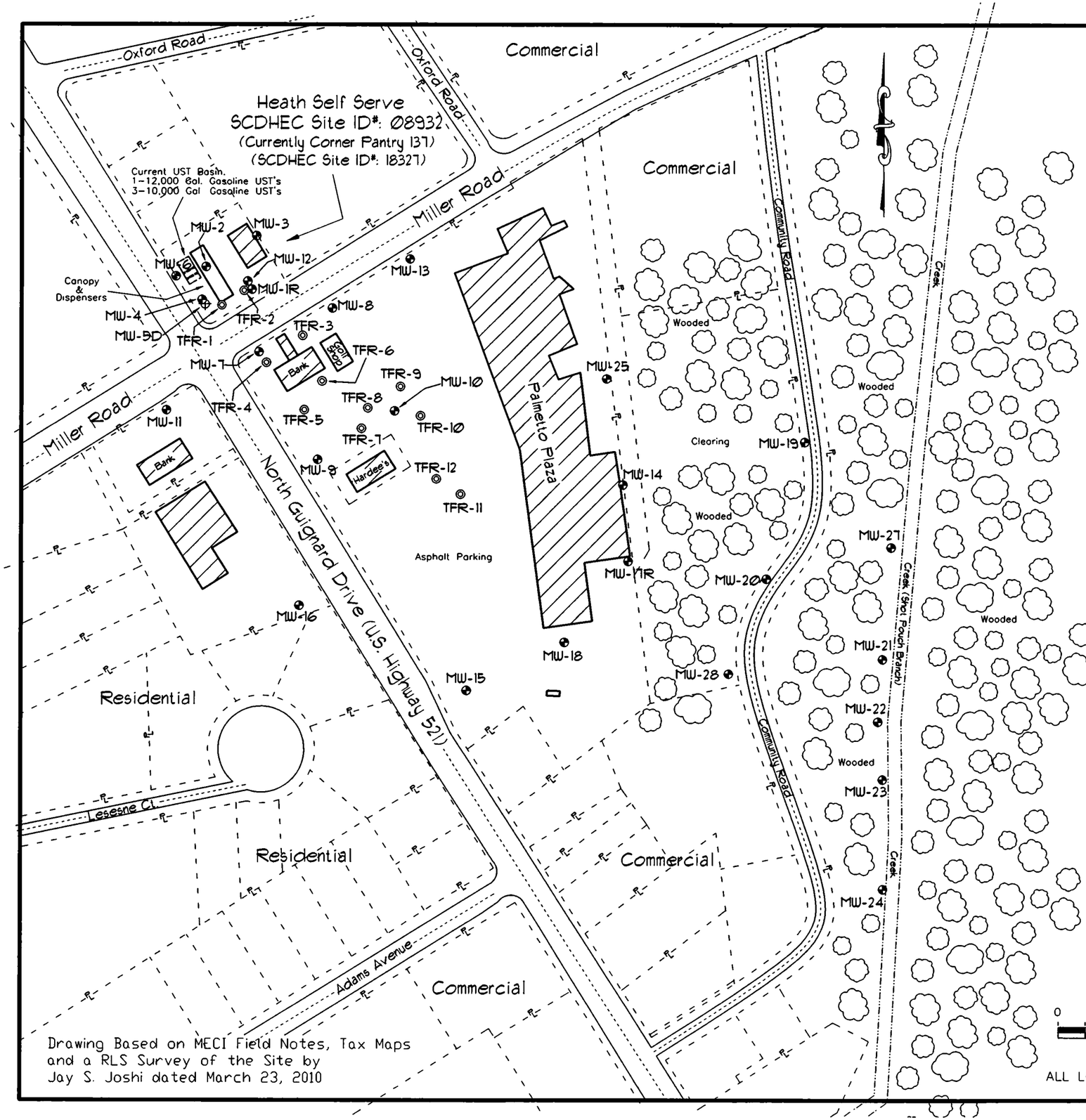
UST Permit #: 08932 **Cost Agreement #:** Proposal

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	3	each	$423.00	$1,269.00
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	26	per well/receptor	$60.00	$1,560 00
B1. Air or Vapors		per receptor	$12.00	$0.00
C1. Water Supply		per well/receptor	$22.00	$0.00
D1. Groundwater No Purge or Duplicate	2	per well/receptor	$28.00	$56.00
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	1	each	$24.60	$24.60
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)	30	per sample	$122.00	$3,660.00
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	29	per sample	$45.20	$1,310.80
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	250	gallon	$0.56	$140.00
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 Management	12%	percent	$8,170.40	$980.45
TOTAL				$9,150.85

DHEC 2495 6-2017 *The appropriate mobilization cost can be added to complete these tasks, as necessary



Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated March 23, 2010

Explanation:

- Location of Water Table Bracketing Monitoring Well
- Location of 4-Inch Recovery Well
- Location of Double Cased Monitoring Well
- Estimated Location of Existing Underground Storage Tanks
- -f- -Property Line

Groundwater Elevation Data

Well #	Date Sampled	Depth to Water (feet)	Well Head Elevation	Groundwater Elevation
MW-1R	3/17/10	16.51	171.85	155.34
MW-11R	3/17/10	15.19	170.33	155.14
MW-17R	3/17/10	11.73	163.81	152.08
MW-19	3/17/10	3.38	149.34	145.96
MW-28	3/17/10	4.81	153.73	148.92

Notes:

Depth to groundwater measured on March 17, 2010.

COC Concentration Data

Sample #	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Total Xylenes (ug/l)	Total BTEX (ug/l)	MTBE (ug/l)	Napthalene (ug/l)
MW-1R	2,840	34,800	5,860	28,500	72,000	<250	829
MW-11R	13.0	70.2	36.3	175	294.5	<5.0	<5.0
MW-17R	4,450	6,450	919	3,670	15,489	198	164
MW-19	134	<5.0	<5.0	<10 0	134	12.7	5.0
MW-28	<5.0	<5.0	<5.0	<10.0	BDL	<5.0	<5.0

Notes: Groundwater samples collected on March 17, 2010.
BDL = Below Detection Limits

GRAPHIC SCALE
0 100 200 300 400
1IN = 200FT

ALL LOCATIONS ARE APPROXIMATE

Site Features

Heath Self Serve
Sumter, South Carolina
SCDHEC Site ID 08932

Midlands Environmental Consultants, Inc.

JOB NO. 10-2691
DATE April 14, 2010
FIGURE 3

dhec
Healthy People. Healthy Communities.

MAY 15 2018

DOUG LEONARD
PO BOX 31487
CHARLOTTE NC 28231

Re: **Site -Specific Work Plan (SSWP) Approval and Groundwater Sampling Directive**
HQ Health Self -Serve, 501 N Guignard Dr, Sumter SC
UST Permit # 08932; CA #56841
Release 1 Reported July 31, 1996
Site-Specific Work Plan and cost proposal received May 4, 2018
Sumter County

Dear Mr. Leonard:

The Underground Storage Tank (UST) Management 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 Midland Environmental Consultants (MECI). All work should be conducted in accordance with the most recent revision of the UST Quality Assurance Program Plan (QAPP), MECI's approved SSWP and 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. Cost agreement # 56841 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.

MECI, 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.

On all correspondence regarding this site, please reference UST Permit #08932. Should you have any questions regarding this correspondence, please feel free to contact me at (803) 898-2446 or e-mail me at gladdet@dhec.sc.gov.

Sincerely,

Thomas Gladden Jr, Hydrogeologist
Corrective Action and Quality Assurance Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

enc: Approved Cost Agreement (ACA)

cc: Midlands Environmental Consultants, PO Box 854, Lexington SC 29071 (w/enc.)
Technical file (with enc.)

Approved Cost Agreement 56841

Facility: 08932 H Q HEATH SELF SERV 2
GLADDET
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)	26.0000	$60.000	1,560.00
		D1	GROUNDWATER NO PURGE/DUPLICATE	2.0000	$28.000	56.00
		H1	FIELD BLANK	1.0000	$24.600	24.60
11 ANALYSES						
	GW GROUNDWATER	A2	BTEXNM+OXYGS+1,2-DCA+ETH-8260B	30.0000	$122.000	3,660.00
		F1	EDB BY 8011	29.0000	$45.200	1,310.80
17 DISPOSAL						
		AA	WASTEWATER	250.0000	$0.560	140.00
19 RPT/PROJECT MNGT & COORDINATIO						
		PRT	REPORT PREPARATION	0.1200	$8,170.400	980.45
				Total Amount		9,150.85

Document Receipt Information

☒ **Hard Copy** ☒ **CD** ☐ **Email**

Date Received 7-26-18

Permit Number Thomas Gladden

Project Manager 05932

Name of Contractor MEC.I

UST Certification Number _____

Docket Number 1.10 Feels

Scanned _____

EWS / Chemical Analysis

REPORT OF GROUNDWATER SAMPLING AND CHEMICAL ANALYSES

HQ Heath Self Serve #2
501 North Guignard Drive
Sumter, South Carolina
SCDHEC Site ID 08932
CA # 56841

Prepared By:

Midlands
Environmental
Consultants, Inc.
231 Dooley Road, Lexington, SC 29073
(803) 808-2043 fax: 808-2048

June 28, 2018

MECI Project No. 18-6417

Midlands Environmental Consultants, Inc.

June 28, 2018

Mr. Thomas Gladden, Hydrogeologist
Corrective Action Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Subject: Report of Groundwater Sampling and Chemical Analysis
HQ Heath Self Serve #2
501 North Guignard Drive
Sumter, South Carolina
SCDHEC Site ID# 08932, CA# 56841
MECI Project Number 18-6417
Certified Site Rehabilitation Contractor UCC-0009

Dear Mr. Gladden,

On behalf of Coca-Cola Bottling Company Consolidated, Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Report of Ground Water Sampling and Chemical Analysis for the referenced site. This report describes assessment activities conducted at the site in general accordance with South Carolina Department of Health and Environmental Control (SCDHEC) guidelines, including adherence to the UST Division Programmatic Quality Assurance Program Plan (QAPP).

Midlands Environmental appreciates the opportunity to offer our professional environmental services to you on this project. Please feel free to contact us at 803-808-2043 if you have any immediate questions or comments.

Sincerely,
Midlands Environmental Consultants, Inc.

Jeff L. Coleman
Senior Scientist

Bryan T. Shane, P.G.
Principal Geologist

Post Office Box 854, Lexington SC 29071 • 231 Dooley Road, Lexington, SC 29073
Telephone: (803) 808-2043 • fax: (803) 808-2048

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**APPENDIX I – FATE & TRANSPORT MODELING
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NOTE: ITEMS LISTED WITH AN ** BESIDE IT WERE NOT NEEDED AS A PART OF THIS SCOPE OF WORK

1.0 INTRODUCTION

A. **Owner/Operator Information**

Facility Name: HQ Heath Self Serve #2 UST Permit #: 08932
Facility Address: 100 Lafayette Drive, Sumter, South Carolina
Name: Coca-Cola Bottling Company Consolidated
Address: 4115 Coca-Cola Plaza, Charlotte, NC 28211
Telephone #: (704) 557-4023 (Mr. Doug Leonard)

B. **Property Owner Information**

Name: Corner Pantry, Inc.
Address: 1001 Idlewilde Boulevard, Columbia, SC 29201
Telephone #: (803) 779-9538

C. **Contractor Information**

Name: Midlands Environmental Consultants, Inc.
Certification #: 9
Address: P. O. Box 854, Lexington, SC 29071
Telephone #: (803) 808-2043

D. **SCDHEC Certified Well Driller**

Name: N/A
Driller: N/A
Certification #: N/A
Address: N/A
Telephone #: N/A

E. **SCDHEC Certified Laboratory**

Name: Pace Analytical Services, LLC.
Certification #: 99006001
Address: 9800 Kincey Ave. Suite 100, Huntersville, NC 28078
Telephone #: (704) 875-9092

1.1 PROJECT INFORMATION

The subject site (HQ Heath Self Serve #2) is located at the intersection of 501 North Guignard Drive in Sumter, Sumter County, South Carolina (See Figure 1). The site is currently operated by an active gasoline service station (Corner Pantry 137/UST# 18327) which operates four active underground storage tanks (UST's). The following table presents Underground Storage Tanks (UST's) which are associated with UST # 08932:

Tank #	Capacity/Product	In Use/Abandoned	Tank Status
1	10,000 Gal. Gasoline	Abandoned	Removed (5/11/1999)
2	6,000 Gal. Gasoline	Abandoned	Removed (5/11/1999)
3	3,000 Gal. Gasoline	Abandoned	Removed (5/11/1999)
4	3,000 Gal. Gasoline	Abandoned	Removed (Unknown)
5	3,000 Gal. Gasoline	Abandoned	Removed (Unknown)
6	3,000 Gal. Gasoline	Abandoned	Removed (Unknown)
7	3,000 Gal. Gasoline	Abandoned	Removed (Unknown)
8	3,000 Gal. Multi-Hydrocarbons	Abandoned	Removed (Unknown)

Tank #	Capacity/Product	In Use/Abandoned	Tank Status
9	3,000 Gal. Gasoline	Abandoned	Removed (5/11/1999)
10	1,000 Gal. Naphtha/Mineral Spirits/Stoddard	Abandoned	Pre-1974 & Empty
11	550 Gal. Waste Oil	Abandoned	Removed (5/11/1999)

Two separate releases of petroleum product have been reported to the South Carolina Department of Health and Environmental Control (SCDHEC). Release #1 was reported in July of 1996 and confirmed in August of 1996. Release #2 was reported and confirmed in October of 1999. Release #2 was issued "no further action" status in December of 1999. Release #1 remains active and has been ranked a Class 3BA due to free phase petroleum historically being detected in several monitoring wells surrounding the site at a thickness above 0.01' foot.

In May of 1998, an Initial Groundwater Assessment (IGWA) was conducted at the site by Kleen Sites Geoservices, Inc. (KSG) of Lexington, South Carolina. This assessment included the installation of one groundwater monitoring well (MW-1) and collection of soil and groundwater samples. Analytical results from both the soil and groundwater collected from MW-1 indicated petroleum impact above risk-based screening levels (RBSL's). In December of 1998, a Standard Limited Assessment (SLA) was performed at the site by KSG and included the installation of three additional groundwater monitoring wells (MW-2, MW-3, MW-4). Based on the results of the SLA, SCDHEC directed a Rapid Assessment be performed to define the horizontal and vertically extent of the contaminant plume.

An initial Rapid Assessment was completed by KSG in November of 1999 and included the installation of twelve additional monitoring wells (MW-5D, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15 and MW-16). To better define the vertical extent of the contaminant plume an addendum to the Rapid Assessment report was submitted to SCDHEC in December of 2000 outlining the installation of four additional groundwater monitoring wells (MW-17, MW-18, MW-19 and MW-20). In September of 2001, a secondary addendum to the Rapid Assessment was completed by KSG. The secondary addendum report outlined additional field screening conducted at the site and the installation of four additional monitoring wells (MW-21, MW-22, MW-23 and MW-24). In July of 2003, a third and final addendum to the Rapid Assessment was completed by Emerald, Inc. This final addendum report outlined additional field screening conducted at the site and the installation of three additional monitoring wells (MW-25, MW-26 and MW-27).

From 2004 to 2009, remediation efforts were conducted at the site by Consultech Environmental, LLC. Remediation efforts appear to have included the installation of twelve groundwater recovery wells (TFR-1, TFR-2, TFR-3, TFR-4, TFR-5, TFR-6, TFR-7, TFR-8, TFR-9, TFR-10, TFR-11 and TFR-12) and pump and treat techniques. Remediation efforts failed to clean the site to Site Specific Target Levels (SSTL's) and remediation efforts appear to have halted in 2009.

In April of 2010, MECI submitted an additional assessment report to SCDHEC outlining the installation of four groundwater monitoring wells (MW-1R, MW-11R, MW-17R and MW-28). Due to redevelopment of a Hardee's Restaurant located within the contaminant plume emanating from the subject site, wells MW-9, MW-10, TFR-5, TFR-7 and TFR-8 were abandoned in August of 2011. Since the additional assessment report in April of 2010, groundwater sampling events have been conducted at the site in April of 2011, August of 2013, January of 2015 and in February of 2016. In addition to the above referenced groundwater sampling events, numerous Aggressive Fluid and Vapor Recovery (AFVR) events has been performed at the site in order to remove free phase petroleum product.

Prior to commencement of the field activities described in this document, a Site Specific Work Plan (SSWP) completed by MECI personnel, submitted to SCDHEC and approved by the SCDHEC project manager.

The above project information is based on MECI field notes and SCDHEC files.

2.0 SURROUNDING PROPERTY USAGE

The site is located in a commercial area within the city limits of Sumter, South Carolina. North Guignard Drive (U.S. Highway 521) forms the western property boundary, beyond which is Central Carolina Technical College. Miller Road forms the southern property boundary beyond which is a bank, Hardee's Restaurant and Palmetto Plaza. It should be noted that a release of petroleum product has been reported to SCDHEC from the Palmetto Plaza property under UST# 12575. East of the site a church and north of the site are commercial properties.

Potential receptors surrounding the site include; ten water supply wells and two surface water locales. The following matrix contains well status, owner(s), and tax map identification numbers:

ID#	Well Owner	Sumter County Tax Map Number:	Address:	Status
WSW-1	Lyde & Bertha McCaskill	2280104003	433 N. Guignard Drive	Unknown
WSW-2	Lee & Patricia Holloway	2280103007	311 Lindley Avenue	Unknown
WSW-3	Betty Elmore	2280101035	224 Lesesne Drive	Unknown
WSW-4	William & Erline Cromer	2280802076	136 Tucson Street	Unknown
WSW-5	Carolyn Elliott	2280101025	215 Lesesne Drive	Unknown
WSW-6	Grace Downing	2280101026	209 Lesesne Drive	Unknown
WSW-7	Marilyn Weathersbee	2280103016	21 Adams Avenue	Unknown
WSW-8	C&M Properties	2280103022	444 N. Guignard Drive	Unknown
WSW-9	Eliza Lewis	2280103016	201 Tucson Street	Unknown
WSW-10	Elijah & Essine Johnson	2280103008	111 Burns Drive	Unknown
Stream	N/A	Shot Pouch Branch	See Map	Unknown
Pond	David & Leanne Lovice	2280201008	14 Crowson Street	Unknown

3.0 AREA GEOLOGY AND HYDROGEOLOGY

The project site is located in the Middle Atlantic Coastal Plain Physiographic Province of South Carolina. The mean elevation of the property as depicted on the local USGS quadrangle (Sumter East, SC) appears to be 180 feet above sea level. The soils in this province are generally interbedded silts, sands and clays that have been deposited during successive advances and retreats of the ocean over the past several million years. This interbedding can cause perched water and makes hydrogeological interpretation difficult.

In this geologic setting, the uppermost aquifer is the surficial aquifer of sands with lenses and layers of clays and silts. Water occupies the interstices between the formation particles and is in hydrostatic balance with the atmosphere at the water table surface.

Local precipitation is the source of freshwater recharge to the Coastal Plain formations. Groundwater recharge varies considerably over the region and is attributed to the differences in precipitation and to the variability in the infiltration rates.

Coastal Plain formations generally dip toward the Atlantic Ocean. Consequently, regional groundwater movement is to the southeast. On a regional scale, hydraulic gradients are relatively low.

According to Newell et al. (In Review), the site is located within the Duplin Formation, a Pliocene aged unit consisting of sands, sandy and silty clays, shelly sands. This formation is frequently overlain by a phosphatic basal conglomerate.

Locally, in the surficial aquifer, groundwater discharges into streams, lakes or springs where the groundwater table intersects lows occupied by these water bodies. The apparent direction (based on hydraulic gradient) of groundwater flow from the release is to the southeast toward the Shot Pouch Branch.

3.1 LOCAL SUBSURFACE CONDITIONS

Coastal plain sediments were encountered during drilling activities conducted at the site. The site is underlain by brown silty, clayey sand to a depth of approximately 8' feet below ground surface (BGS). At this depth, the clay content gradually decreases and the soils are classified as brown, fine grained silty sands. Reportedly, a confining layer was not encountered during drilling activities which reached the investigative depth of 65' feet BGS.

On June 1, 2018, stabilized groundwater levels were measured in selected monitoring wells. Depth to groundwater ranged from 7.85 to 17.88 feet below top of casing in the wells measured. The groundwater measurements are summarized in tabular form in Table 2 and on Figure 5. Groundwater levels may fluctuate several feet with seasonal and rainfall variations and with change in the water level of adjacent drainage features. Normally, the highest groundwater levels occur in late winter and spring. The lowest levels occur in late summer and fall.

4.0 FIELD EXPLORATION

Field exploration conducted at the site included:

- sampling of the entire monitoring well network; and,
- chemical analyses of water samples.

3.1 MONITORING WELL SAMPLING AND CHEMICAL ANALYSES

On June 1, 2018, MECI personnel collected groundwater samples from twenty-three (23) monitoring wells at the subject site. One (1) monitoring well (MW-4) was gauged and determined to be dry and obstructed. As discussed in section 1.1, monitoring wells MW-9, MW-10, TFR-5, TFR-7 and TFR-8 have been previously abandoned at the site. In addition, monitoring wells MW-19, MW-20, MW-21, MW-22, MW-23, MW-24, MW-26, MW-27, MW-28. TFR-9 and TFR-11 were unable to be located during sampling activities. As directed by SCDHEC, all monitoring wells were to be purged prior to sample collection. Twenty-three (23) monitoring well was purged prior to sampling.

Prior to sampling, MECI personnel utilized an electronic water level indicator for water level measurements and an oil/water interface probe for free phase petroleum product level measurements. Where applicable, purging was completed by bailing at least five well volumes of water from the well, or until all water was evacuated from the well, whichever occurred first. Sampling/purging was completed utilizing a prepackaged, clear, disposable polyethylene bailer and nylon rope. A new set of nitrile gloves were worn at each monitoring well, and at all time samples were handled. Field measurements of pH, conductivity, dissolved oxygen, and water temperature were obtained before well sampling process. MECI utilized YSIPro20 meter for DO (mg/L) and temperature readings (°C) and YSI Pro 1030 meters for pH and conductivity (uS) readings and a MicroTPI turbidimeter for turbidity readings (NTU). The attached Field Data Information Sheets presents the results of the field measurements obtained. The wells were sampled in accordance with the most recent revision of SCDHEC's Quality Assurance Program Plan for the Underground Storage Tank Management Division and the most recent revision of MECI's Standard Operating Procedures.

Groundwater samples obtained were sent to Pace Analytical Services, Inc. of Huntersville, NC (SCDHEC Laboratory Certification #99006001) for analysis.

The following sampling matrix contains well development and requested analyses for each well:

Sample ID	Purge	No Purge	Gauge Only	Abandoned	Not Sampled	Not Located	BTEX, Naphthalene, MTBE (EPA Method 8260-B)	EDB (EPA Method 8011)	1,2 DCA (EPA Method 8260-B)	8 Oxygenates (EPA Method 8260-B)	Total Lead (EPA Method 6010)	BTEX, Naphthalene, MTBE, 1,2 DCA (EPA Method 524.2)	EDB (EPA Method 504.1)
							Analyte Sampled						
MW-1R	X						X	X	X	X			
MW-2	X						X	X	X	X			
MW-3	X						X	X	X	X			
MW-4			X										
MW-5D	X						X	X	X	X			
MW-6	X						X	X	X	X			
MW-7	X						X	X	X	X			
MW-8	X						X	X	X	X			
MW-9				X									
MW-10				X									
MW-11R	X						X	X	X	X			
MW-12	X						X	X	X	X			
MW-13	X						X	X	X	X			
MW-14	X						X	X	X	X			
MW-15	X						X	X	X	X			
MW-16	X						X	X	X	X			
MW-17R	X						X	X	X	X			
MW-18	X						X	X	X	X			
MW-19						X							
MW-20						X							
MW-21						X							
MW-22						X							
MW-23						X							
MW-24						X							

Notes: BTEX = Benzene, Toluene, Ethylbenzene, & Total Xylenes
MTBE=Methyl tertiary butyl ether
1,2 DCA = 1,2 Dicloroethane
EDB = Ethylene Dibromide

Sample ID	Purge	No Purge	Gauge Only	Abandoned	Not Sampled	Not Located	BTEX, Naphthalene, MTBE (EPA Method 8260-B)	EDB (EPA Method 8011)	1,2 DCA (EPA Method 8260-B)	8 Oxygenates (EPA Method 8260-B)	Total Lead (EPA Method 6010)	BTEX, Naphthalene, MTBE, 1,2 DCA (EPA Method 524.2)	EDB (EPA Method 504.1)
							Analyte Sampled						
MW-25	X						X	X	X	X			
MW-26						X							
MW-27						X							
MW-28						X							
TFR-1	X						X	X	X	X			
TFR-2	X						X	X	X	X			
TFR-3	X						X	X	X	X			
TFR-4	X						X	X	X	X			
TFR-5				X									
TFR-6	X						X	X	X	X			
TFR-7				X									
TFR-8				X									
TFR-9						X							
TFR-10	X						X	X	X	X			
TFR-11						X							
TFR-12	X						X	X	X	X			
DUP-1(TFR-3)		X					X	X	X	X			
DUP-2(TFR-6)		X					X	X	X	X			
Field Blank							X	X	X	X			
Trip Blank							X		X	X			

Notes: BTEX = Benzene, Toluene, Ethylbenzene, & Total Xylenes
MTBE=Methyl tertiary butyl ether
1,2 DCA = 1,2 Dicloroethane
EDB = Ethylene Dibromide

The results of the laboratory analyses are summarized in Table 3 and presented in Appendix B. Purge water produced by the purging process was treated on-site utilizing a granular activated carbon unit. A total of 297.00 gallons of purge water was disposed of in this manner. A disposal manifest for the referenced purge water is presented in Appendix G.

5.0 TEST RESULTS AND EVALUATION

The following sections discuss groundwater test results for the subject site.

5.1 GROUNDWATER ANALYTICAL RESULTS

As discussed in Section 3.1, groundwater samples obtained from the monitoring wells during the June 1, 2018 comprehensive groundwater sampling event were analyzed for dissolved phase petroleum constituents. Free phase petroleum product was not detected in any of the wells during sampling activities performed at the site. The analytical results indicate petroleum impact to the surficial aquifer ("Shallow" Zone), with the highest dissolved concentrations being detected in the areas of MW-7. Of the twenty-three monitoring wells sampled, sixteen monitoring wells (MW-1R, MW-2, MW-5D, MW-6, MW-7, MW-8, MW-12, MW-14, MW-15, TFR-1, TFR-2, TFR-3, TFR-4, TFR-6, TFR-10 and TFR-12) detected petroleum constituents above Risked Based Screening Levels (RBSL's). Petroleum constituents detected above the established RBSL include:

Compound	*RBSL (ug/l)*	*Wells Above RBSL*
Product	0.01'	N/A
Benzene	5	MW1R, MW2, MW5D, MW6, MW7, MW8, MW12, TFR1, TFR2, TFR3, TFR4, TFR6, TFR10, TFR12
Toluene	1,000	MW1R, MW7, MW8, MW12, TFR1, TFR3, TFR6, TFR12
Ethylbenzene	700	MW1R, MW7, MW8, TFR1, TFR6, TFR12
Total Xylenes	10,000	MW1R, MW7, MW8, TFR1, TFR6
Naphthalene	25	MW1R, MW7, MW8, MW12, TFR1, TFR3, TFR4, TFR6
MTBE	40	MW7
1,2 DCA	5	N/A
EDB	0.05	MW1R, MW7, MW8, MW15, TFR1, TFR2, TFR3, TFR4, TFR6, TFR10, TFR12
TAA	240	MW14
TAME	128	N/A
ETBA	NE	RBSL Not Established
TBA	1,400	N/A
TBF	NE	RBSL Not Established
DIPE	150	N/A
Ethanol	10,000	N/A
ETBE	47	N/A

The results of the analyses for each monitoring well and specific parameters are listed on Table 3 and provided in Appendix B.

6.0 ASSESSMENT SUMMARY & RECOMMENDATIONS

Based on the results of our sampling activities, it appears that impact to the surficial aquifer has occurred due to a release of petroleum hydrocarbons. The highest concentrations of dissolved phase contaminants appear to be located offsite in the area of monitoring well MW-7. The contaminants appear to be gasoline range constituents. Impacted groundwater appears to be moving in a southeasterly direction towards the Shot Pouch Branch.

Free phase petroleum product was not detected in any of the wells during sampling activities performed at the site. The analytical results indicate petroleum impact to the surficial aquifer ("Shallow" Zone), with the highest dissolved concentrations being detected in the areas of MW-7. Of the twenty-three monitoring wells sampled, sixteen monitoring wells (MW-1R, MW-2, MW-5D, MW-6, MW-7, MW-8, MW-12, MW-14, MW-15, TFR-1, TFR-2, TFR-3, TFR-4, TFR-6, TFR-10 and TFR-12) detected petroleum constituents above Risked Based Screening Levels (RBSL's). Petroleum constituents detected above the established RBSL include:

Compound	*RBSL (ug/l)*	*Wells Above RBSL*
Product	0.01'	N/A
Benzene	5	MW1R, MW2, MW5D, MW6, MW7, MW8, MW12, TFR1, TFR2, TFR3, TFR4, TFR6, TFR10, TFR12
Toluene	1,000	MW1R, MW7, MW8, MW12, TFR1, TFR3, TFR6, TFR12
Ethylbenzene	700	MW1R, MW7, MW8, TFR1, TFR6, TFR12
Total Xylenes	10,000	MW1R, MW7, MW8, TFR1, TFR6
Naphthalene	25	MW1R, MW7, MW8, MW12, TFR1, TFR3, TFR4, TFR6
MTBE	40	MW7
1,2 DCA	5	N/A
EDB	0.05	MW1R, MW7, MW8, MW15, TFR1, TFR2, TFR3, TFR4, TFR6, TFR10, TFR12
TAA	240	MW14
TAME	128	N/A
ETBA	NE	RBSL Not Established
TBA	1,400	N/A
TBF	NE	RBSL Not Established
DIPE	150	N/A
Ethanol	10,000	N/A
ETBE	47	N/A

The results of the analyses for each monitoring well and specific parameters are listed on Table 3 and provided in Appendix B.

Figure 4 depicts graphically the concentrations of Benzene in the monitoring wells which bracket the watertable at the site. Figure 4A depicts graphically the concentrations of Naphthalene in the monitoring wells which bracket the watertable at the subject site. Figure 4B depicts graphically the concentrations of EDB in the monitoring wells which bracket the watertable at the subject site. Figure 4C presents the 8-Oxygenates in the groundwater at the subject site.

Since the February 25, 2016 groundwater sampling event, slight increases in chemicals of concern have been observed in monitoring wells MW-1R, MW-2, MW-5D, MW-6, TFR-1 and TFR-12. Analytical results from the remainder of the monitoring wells have generally remained constant with slight decreases observed in monitoring wells MW-12, TFR-2, TFR-3, TFR-4, TFR-6 and TFR-10.

Overall, the contaminant plume associated with UST# 08932 does not appear to be defined. MECI recommends additional assessment activities be conducted at the site to better define the contaminant plume. Recommended additional assessment activities should include:

- Reclassify site as 2BB.
- Redevelop or replace monitoring well MW-4.
- Locate or replace monitoring wells MW-19, MW-20, MW-21, MW-22, MW-23, MW-24, MW-26, MW-27 and MW-28 (If located, wells should be converted to above-grade vaults).
- Soil and groundwater field screening to determine vertical extent of contaminant plume, better define horizontal extent and to determine extent of residual product.
- Installation of addition "deep" monitoring wells to define vertical extent of plume.
- Installation of monitoring wells in the vicinity of the areas where monitoring wells MW-9 and MW-10 were formerly located.
- Installation of additional wells between TFR-12 and MW-18.
- Installation of addition wells between the Hardee's Restaurant and MW-15.

- Collection of surface water samples east of MW-19 and MW-20.

Following the proposed additional assessment activities, a comprehensive groundwater sampling event should be conducted verify the contaminant plume is properly defined. Following definition, the site should be remodeled and new site specific target levels generated. Considering the immense size of the contaminant plume, the historic presence of free phase petroleum plume covering a large area and sensitive habitats being located down gradient of the site, corrective action efforts appear to be necessary.

7.0 QUALIFICATIONS OF REPORT

The activities and evaluative approaches used in this assessment are consistent with those normally employed in hydrogeological assessment and waste management projects of this type. Our evaluation of site conditions has been based on our understanding of the site, project information provided to us, and data obtained in our exploration. The general subsurface conditions utilized in our evaluation have been based on interpretation of subsurface data between borings. Contents of this report are intended for the sole use of Coca-Cola Bottling Company Consolidated, MECI, and SCDHEC under mutually agreed upon terms and conditions. If other parties wish to rely on this report please contact MECI prior to their use of this information so that a mutual understanding and agreement of the terms and conditions of our services can be established.

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TABLES

TABLE 2
POTENTIOMETRIC DATA
JUNE 1, 2018 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6417
SCDHEC SITE ID NUMBER 08932

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-1	12/28/1998	12-22	---	17.15	---	N/A	N/A
	8/18/1999		12.66	12.76	0.10	N/A	N/A
	11/1/2000		12.77	12.79	0.02	N/A	N/A
	8/21/2001		---	NL	---	N/A	NL
	8/17/2002		---	NL	---	N/A	NL
	7/17/2003		---	NL	---	N/A	NL
	2/21/2004		---	NL	---	N/A	NL
	10/20/2004		---	NL	---	N/A	NL
	8/22/2005		---	NL	---	N/A	NL
	11/28/2005		---	NL	---	N/A	NL
	3/9/2006		---	NL	---	N/A	NL
	6/29/2006		---	NL	---	N/A	NL
	6/22/2007		---	NL	---	N/A	NL
	10/1/2008		---	NL	---	N/A	NL
	4/2/2009		---	NL	---	N/A	NL
	11/12/2009		---	DRY	---	N/A	DRY
MW-1R	3/17/2010	13-23	---	16.51	---	171.85	155.34
	9/2/2010		---	16.70	---	171.85	155.15
	4/21/2011		---	17.30	---	171.85	154.55
	8/1/2013		---	17.30	---	171.85	154.55
	1/20/2015		---	17.91	---	171.85	153.94
	2/9/2016		---	16.11	---	171.85	155.74
	6/1/2018		---	16.22	---	171.85	155.63
MW-2	12/28/1998	14-24	---	16.57	---	171.75	155.18
	8/18/1999		---	Destroyed	---	171.75	Destroyed
	11/1/2000		---	Destroyed	---	171.75	Destroyed
	8/21/2001		---	Destroyed	---	171.75	Destroyed
	8/17/2002		---	20.10	---	171.75	151.65
	7/17/2003		---	17.12	---	171.75	154.63
	2/21/2004		---	17.77	---	171.75	153.98
	10/20/2004		---	17.50	---	171.75	154.25
	8/22/2005		---	17.03	---	171.75	154.72
	11/28/2005		---	17.51	---	171.75	154.24
	3/9/2006		---	16.85	---	171.75	154.90
	6/29/2006		---	17.83	---	171.75	153.92
	6/22/2007		---	18.31	---	171.75	153.44
	10/1/2008		---	18.77	---	171.75	152.98
	4/2/2009		---	17.61	---	171.75	154.14
	11/12/2009		---	18.06	---	171.75	153.69
	9/2/2010		---	16.59	---	171.75	155.16
	4/21/2011		---	17.22	---	171.75	154.53
	8/1/2013		---	16.61	---	171.75	155.14
	1/20/2015		---	17.73	---	171.75	154.02
	2/9/2016		---	14.94	---	171.75	156.81
	6/1/2018		---	16.10	---	171.75	155.65
MW-3	12/28/1998	14-24	---	18.28	---	173.70	155.42
	8/18/1999		---	18.81	---	173.70	154.89
	11/1/2000		---	20.51	---	173.70	153.19
	8/21/2001		---	21.10	---	173.70	152.60
	8/17/2002		---	21.79	---	173.70	151.91
	7/17/2003		---	18.83	---	173.70	154.87
	2/21/2004		---	19.60	---	173.70	154.10
	10/20/2004		---	19.25	---	173.70	154.45
	8/22/2005		---	18.87	---	173.70	154.83
	11/28/2005		---	19.13	---	173.70	154.57
	3/9/2006		---	19.84	---	173.70	153.86
	6/29/2006		---	17.89	---	173.70	155.81
	6/22/2007		---	NM	---	173.70	NM
	10/1/2008		---	NM	---	173.70	NM
	4/2/2009		---	NM	---	173.70	NM
	11/12/2009		---	18.57	---	173.70	155.13
	9/2/2010		---	18.32	---	173.70	155.38
	4/21/2011		---	19.15	---	173.70	154.55
	8/1/2013		---	17.93	---	173.70	155.77
	1/20/2015		---	19.55	---	173.70	154.15
	2/9/2016		---	16.62	---	173.70	157.08
	6/1/2018		---	7.85	---	173.70	165.85

TABLE 2
POTENTIOMETRIC DATA
JUNE 1, 2018 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6417
SCDHEC SITE ID NUMBER 08932

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-4	12/28/1998*	14-24	15.89	16.14	0.25	171.17	155.24
	8/18/1999*		16.57	17.85	1.28	171.17	154.41
	11/1/2000*		17.80	20.11	2.31	171.17	153.02
	8/16/2001*		17.55	19.27	1.72	171.17	153.36
	8/17/2002*		19.47	20.80	1.33	171.17	151.50
	7/17/2003*		16.40	16.70	0.30	171.17	154.73
	2/21/2004*		17.27	17.68	0.41	171.17	153.84
	10/20/2004*		16.93	17.05	0.12	171.17	154.22
	8/22/2005		---	16.73	---	171.17	154.44
	11/28/2005		---	17.18	---	171.17	153.99
	3/9/2006		---	16.99	---	171.17	154.18
	6/29/2006		---	17.54	---	171.17	153.63
	6/22/2007		---	17.74	---	171.17	153.43
	10/1/2008		---	18.04	---	171.17	153.13
	4/2/2009		---	NM	---	171.17	NM
	11/12/2009		---	14.55	---	171.17	156.62
	9/2/2010		---	14.33	---	171.17	156.84
	4/21/2011		---	16.58	---	171.17	154.59
	8/1/2013		---	Obstructed	---	171.17	Obstructed
	1/20/2015		---	Obstructed	---	171.17	Obstructed
	2/9/2016		---	12.52	---	171.17	158.65
	6/1/2018		---	Obstructed	---	171.17	Obstructed
MW-5D	8/19/1999	40-45	---	17.12	---	171.15	154.03
	11/1/2000		---	19.21	---	171.15	151.94
	8/21/2001		---	19.01	---	171.15	152.14
	8/17/2002		---	21.18	---	171.15	149.97
	7/17/2003		---	17.45	---	171.15	153.70
	2/21/2004		---	17.79	---	171.15	153.36
	10/20/2004		---	17.53	---	171.15	153.62
	8/22/2005		---	17.17	---	171.15	153.98
	11/28/2005		---	17.66	---	171.15	153.49
	3/9/2006		---	17.11	---	171.15	154.04
	6/29/2006		---	18.15	---	171.15	153.00
	6/22/2007		---	18.53	---	171.15	152.62
	10/1/2008		---	18.46	---	171.15	152.69
	4/2/2009		---	17.24	---	171.15	153.91
	11/12/2009		---	17.96	---	171.15	153.19
	9/2/2010		---	16.65	---	171.15	154.50
	4/21/2011		---	17.08	---	171.15	154.07
	8/1/2013		---	16.95	---	171.15	154.20
	1/20/2015		---	17.48	---	171.15	153.67
	2/9/2016		---	14.35	---	171.15	156.80
	6/1/2018		---	16.00	---	171.15	155.15
MW-6	8/18/1999	12-22	---	17.66	---	171.25	153.59
	11/1/2000		---	18.30	---	171.25	152.95
	8/16/2001		---	17.90	---	171.25	153.35
	8/17/2002		---	19.75	---	171.25	151.50
	7/17/2003		---	16.74	---	171.25	154.51
	2/21/2004		---	17.33	---	171.25	153.92
	10/20/2004		---	16.76	---	171.25	154.49
	8/22/2005		---	16.42	---	171.25	154.83
	11/28/2005		---	16.81	---	171.25	154.44
	3/9/2006		---	17.56	---	171.25	153.69
	6/29/2006		---	18.51	---	171.25	152.74
	6/22/2007		---	17.55	---	171.25	153.70
	10/1/2008		---	17.92	---	171.25	153.33
	4/2/2009		---	14.73	---	171.25	156.52
	11/12/2009		---	15.60	---	171.25	155.65
	9/2/2010		---	15.74	---	171.25	155.51
	4/21/2011		---	16.40	---	171.25	154.85
	8/1/2013		---	16.87	---	171.25	154.38
	1/20/2015		---	Obstructed	---	171.25	Obstructed
	2/9/2016		---	14.09	---	171.25	157.16
	6/1/2018		---	15.34	---	171.25	155.91

TABLE 2
POTENTIOMETRIC DATA
JUNE 1, 2018 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6417
SCDHEC SITE ID NUMBER 08932

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-7	8/18/1999*	12-22	16.52	18.21	1.69	171.23	154.46
	11/2/2000*		17.94	20.77	2.83	171.23	152.87
	8/24/2001*		17.75	19.99	2.24	171.23	153.14
	8/17/2002*		19.40	22.00	2.60	171.23	151.44
	7/17/2003*		16.80	17.15	0.35	171.23	154.38
	2/21/2004*		17.42	18.51	1.09	171.23	153.65
	10/20/2004		---	17.39	---	171.23	153.84
	8/22/2005		Sheen	17.00	Sheen	171.23	154.23
	11/28/2005		---	17.46	---	171.23	153.77
	3/9/2006		---	17.60	---	171.23	153.63
	6/29/2006*		18.02	19.52	1.50	171.23	152.99
	6/22/2007*		17.99	19.18	1.19	171.23	153.06
	10/1/2008*		18.79	20.09	1.30	171.23	152.25
	4/2/2009		NM	NM	0.25	171.23	N/A
	11/12/2009		---	17.97	---	171.23	153.26
	9/2/2010		---	16.57	---	171.23	154.66
	4/21/2011		---	17.10	---	171.23	154.13
	8/1/2013		---	16.68	---	171.23	154.55
	1/20/2015		---	15.52	---	171.23	155.71
	2/9/2016		---	14.92	---	171.23	156.31
	6/1/2018		---	16.01	---	171.23	155.22
MW-8	8/18/1999	13-23	---	17.74	---	172.15	154.41
	11/2/2000*		18.83	21.30	2.47	172.15	152.95
	8/24/2001*		18.63	20.48	1.85	172.15	153.24
	8/17/2002*		19.96	22.60	2.64	172.15	151.79
	7/17/2003*		17.82	17.85	0.03	172.15	154.33
	2/21/2004*		18.56	18.63	0.07	172.15	153.58
	10/20/2004		---	18.30	---	172.15	153.85
	8/22/2005		---	17.90	---	172.15	154.25
	11/28/2005		---	18.35	---	172.15	153.80
	3/9/2006		---	18.49	---	172.15	153.66
	6/29/2006*		19.41	19.51	0.10	172.15	152.73
	6/22/2007		---	19.01	---	172.15	153.14
	10/1/2008*		19.54	19.64	0.10	172.15	152.60
	4/2/2009		---	18.42	---	172.15	153.73
	11/12/2009		---	18.26	---	172.15	153.89
	9/2/2010		---	17.45	---	172.15	154.70
	4/21/2011		---	17.95	---	172.15	154.20
	8/1/2013		---	17.55	---	172.15	154.60
	1/20/2015		---	18.64	---	172.15	153.51
	2/9/2016		---	15.83	---	172.15	156.32
	6/1/2018		---	17.88	---	172.15	154.27
MW-9	8/18/1999*	13-23	16.69	16.99	0.30	170.53	153.80
	11/2/2000*		17.76	20.22	2.46	170.53	152.40
	8/24/2001*		17.50	19.58	2.08	170.53	152.72
	8/17/2002*		19.11	21.42	2.31	170.53	151.07
	7/17/2003*		16.73	16.85	0.12	170.53	153.78
	2/21/2004*		17.26	17.77	0.51	170.53	153.19
	10/20/2004		---	17.25	---	170.53	153.28
	8/22/2005		---	16.80	---	170.53	153.73
	11/28/2005		---	17.33	---	170.53	153.20
	3/9/2006		---	17.32	---	170.53	153.21
	6/29/2006*		18.35	18.43	0.08	170.53	152.17
	6/22/2007		---	17.98	---	170.53	152.55
	10/1/2008		---	18.48	---	170.53	152.05
	4/2/2009		---	19.23	---	170.53	151.30
	11/12/2009		---	17.73	---	170.53	152.80
	9/2/2010		---	16.35	---	170.53	154.18
	4/21/2011		---	16.80	---	170.53	153.73
	8/1/2013		---	Abandoned	---	170.53	Abandoned
	1/20/2015		---	Abandoned	---	170.53	Abandoned
	2/9/2016		---	Abandoned	---	170.53	Abandoned
	6/1/2018		---	Abandoned	---	170.53	Abandoned

TABLE 2
POTENTIOMETRIC DATA
JUNE 1, 2018 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6417
SCDHEC SITE ID NUMBER 08932

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-10	8/18/1999	13-23	---	16.60	---	170.31	153.71
	11/2/2000*		17.51	20.36	2.85	170.31	152.37
	8/24/2001*		17.27	19.83	2.56	170.31	152.66
	8/17/2002*		18.65	21.58	2.93	170.31	151.22
	7/17/2003*		16.49	17.56	1.07	170.31	153.66
	2/21/2004*		16.94	18.65	1.71	170.31	153.11
	10/20/2004*		16.97	17.95	0.98	170.31	153.19
	8/22/2005		---	16.79	---	170.31	153.52
	11/28/2005		---	16.83	---	170.31	153.48
	3/9/2006		---	17.35	---	170.31	152.96
	6/29/2006*		18.31	18.46	0.15	170.31	151.98
	6/22/2007*		17.78	18.22	0.44	170.31	152.46
	10/1/2008*		18.58	19.16	0.58	170.31	151.64
	4/2/2009		---	18.71	---	170.31	151.60
	11/12/2009*		17.62	17.77	0.15	170.31	152.67
	9/2/2010*		16.33	16.34	0.01	170.31	153.98
	4/21/2011		---	16.74	---	170.31	153.57
	8/1/2013		---	Abandoned	---	170.31	Abandoned
	1/20/2015		---	Abandoned	---	170.31	Abandoned
	2/9/2016		---	Abandoned	---	170.31	Abandoned
	6/1/2018		---	Abandoned	---	170.31	Abandoned
MW-11	8/18/1999	13-23	---	15.95	---	N/A	N/A
	11/2/2000		---	17.66	---	N/A	N/A
	8/16/2001		---	17.23	---	N/A	N/A
	8/17/2002		---	19.30	---	N/A	N/A
	7/18/2003		---	15.96	---	N/A	N/A
	2/21/2004		---	16.51	---	N/A	N/A
	10/20/2004		---	NL	---	N/A	NL
	8/22/2005		---	NL	---	N/A	NL
	11/28/2005		---	NL	---	N/A	NL
	3/9/2006		---	NL	---	N/A	NL
	6/29/2006		---	NL	---	N/A	NL
	6/22/2007		---	NL	---	N/A	NL
	10/1/2008		---	NL	---	N/A	NL
	4/2/2009		---	NL	---	N/A	NL
	11/12/2009		---	NL	---	N/A	NL
MW-11R	3/17/2010	13-23	---	15.19	---	170.33	155.14
	9/2/2010		---	15.59	---	170.33	154.74
	4/21/2011		---	16.11	---	170.33	154.22
	8/1/2013		---	15.54	---	170.33	154.79
	1/20/2015		---	16.56	---	170.33	153.77
	2/9/2016		---	13.65	---	170.33	156.68
	6/1/2018		---	14.97	---	170.33	155.36
MW-12	8/19/1999	10-30	---	17.62	---	169.21	151.59
	11/1/2000*		18.63	21.38	2.75	169.21	150.17
	8/24/2001*		18.50	20.41	1.91	169.21	150.42
	8/17/2002*		20.08	22.73	2.65	169.21	148.73
	7/17/2003*		17.60	17.90	0.30	169.21	151.57
	2/21/2004*		18.08	19.18	1.10	169.21	150.97
	10/20/2004*		17.93	18.57	0.64	169.21	151.18
	8/22/2005		Sheen	17.65	Sheen	169.21	151.56
	11/28/2005		---	18.04	---	169.21	151.17
	3/9/2006		---	DRY	---	169.21	DRY
	6/29/2006		---	DRY	---	169.21	DRY
	6/22/2007		---	DRY	---	169.21	DRY
	10/1/2008		---	NM	---	169.21	NM
	4/2/2009		---	29.40	---	169.21	139.81
	11/12/2009		---	18.31	---	169.21	150.90
	9/2/2010		---	17.13	---	169.21	152.08
	4/21/2011		---	17.73	---	169.21	151.48
	8/1/2013		---	17.14	---	169.21	152.07
	1/20/2015		---	18.26	---	169.21	150.95
	2/9/2016		---	15.47	---	169.21	153.74
	6/1/2018		---	16.71	---	169.21	152.50

TABLE 2
POTENTIOMETRIC DATA
JUNE 1, 2018 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6417
SCDHEC SITE ID NUMBER 08932

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-13	10/18/1999	13-23	---	18.73	---	172.43	153.70
	11/1/2000		---	19.84	---	172.43	152.59
	8/20/2001		---	19.42	---	172.43	153.01
	8/17/2002		---	20.91	---	172.43	151.52
	7/17/2003		---	18.21	---	172.43	154.22
	2/21/2004		---	19.06	---	172.43	153.37
	10/20/2004		---	18.78	---	172.43	153.65
	8/22/2005		---	18.37	---	172.43	154.06
	11/28/2005		---	18.72	---	172.43	153.71
	3/9/2006		---	18.92	---	172.43	153.51
	6/29/2006		---	19.92	---	172.43	152.51
	6/22/2007		---	17.17	---	172.43	155.26
	10/1/2008		---	NM	---	172.43	NM
	4/2/2009		---	NM	---	172.43	NM
	11/12/2009		---	19.34	---	172.43	153.09
	9/2/2010		---	17.96	---	172.43	154.47
	4/21/2011		---	18.37	---	172.43	154.06
	8/1/2013		---	17.97	---	172.43	154.46
	1/20/2015		---	19.00	---	172.43	153.43
	2/9/2016		---	16.28	---	172.43	156.15
	6/1/2018		---	17.30	---	172.43	155.13
MW-14	10/18/1999	10-20	---	12.81	---	164.01	151.20
	11/2/2000		---	13.98	---	164.01	150.03
	8/21/2001		---	13.83	---	164.01	150.18
	8/17/2002		---	15.13	---	164.01	148.88
	7/18/2003		---	12.81	---	164.01	151.20
	3/6/2004		---	12.35	---	164.01	151.66
	10/20/2004		---	13.21	---	164.01	150.80
	8/22/2005		---	12.91	---	164.01	151.10
	11/28/2005		---	13.28	---	164.01	150.73
	3/9/2006		---	12.61	---	164.01	151.40
	6/29/2006		---	13.65	---	164.01	150.36
	6/22/2007		---	13.76	---	164.01	150.25
	10/1/2008		---	NM	---	164.01	NM
	4/2/2009		---	12.40	---	164.01	151.61
	11/12/2009		---	13.35	---	164.01	150.66
	9/2/2010		---	12.51	---	164.01	151.50
	4/21/2011		---	12.49	---	164.01	151.52
	8/1/2013		---	11.81	---	164.01	152.20
	1/20/2015		---	12.63	---	164.01	151.38
	2/9/2016		---	10.39	---	164.01	153.62
	6/1/2018		---	11.21	---	164.01	152.80
MW-15	10/18/1999	8-18	---	11.86	---	163.92	152.06
	11/1/2000		---	13.06	---	163.92	150.86
	8/21/2001		---	12.65	---	163.92	151.27
	8/17/2002		---	14.14	---	163.92	149.78
	7/18/2003		---	11.34	---	163.92	152.58
	2/21/2004		---	11.75	---	163.92	152.17
	10/20/2004		---	13.46	---	163.92	150.46
	8/22/2005		---	11.81	---	163.92	152.11
	11/28/2005		---	12.26	---	163.92	151.66
	3/9/2006		---	13.02	---	163.92	150.90
	6/29/2006		---	12.73	---	163.92	151.19
	6/22/2007		---	12.56	---	163.92	151.36
	10/1/2008		---	NM	---	163.92	NM
	4/2/2009		---	11.44	---	163.92	152.48
	11/12/2009		---	12.35	---	163.92	151.57
	9/2/2010		---	11.05	---	163.92	152.87
	4/21/2011		---	11.24	---	163.92	152.68
	8/1/2013		---	10.53	---	163.92	153.39
	1/20/2015		---	5.61	---	163.92	158.31
	2/9/2016		---	9.95	---	163.92	153.97
	6/1/2018		---	10.70	---	163.92	153.22

TABLE 2
POTENTIOMETRIC DATA
JUNE 1, 2018 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6417
SCDHEC SITE ID NUMBER 08932

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-16	10/18/1999	10-20	---	13.67	---	166.77	153.10
	11/1/2000		---	14.88	---	166.77	151.89
	8/16/2001		---	14.31	---	166.77	152.46
	8/17/2002		---	16.07	---	166.77	150.70
	7/18/2003		---	13.02	---	166.77	153.75
	2/21/2004		---	13.70	---	166.77	153.07
	10/20/2004		---	11.84	---	166.77	154.93
	8/22/2005		---	13.15	---	166.77	153.62
	11/28/2005		---	13.74	---	166.77	153.03
	3/9/2006		---	14.51	---	166.77	152.26
	6/29/2006		---	14.58	---	166.77	152.19
	6/22/2007		---	14.41	---	166.77	152.36
	10/1/2008		---	NM	---	166.77	NM
	4/2/2009		---	NM	---	166.77	NM
	11/12/2009		---	14.13	---	166.77	152.64
	9/2/2010		---	12.64	---	166.77	154.13
	4/21/2011		---	13.13	---	166.77	153.64
	8/1/2013		---	12.55	---	166.77	154.22
	1/20/2015		---	13.66	---	166.77	153.11
	2/9/2016		---	10.93	---	166.77	155.84
	6/1/2018		---	12.12	---	166.77	154.65
MW-17	11/8/2000	10-20	---	12.88	---	N/A	N/A
	8/24/2001		---	12.65	---	N/A	N/A
	8/17/2002		---	NL	---	N/A	NL
	7/18/2008		---	NL	---	N/A	NL
	2/21/2004		---	NL	---	N/A	NL
	10/20/2004		---	NL	---	N/A	NL
	8/22/2005		---	NL	---	N/A	NL
	11/28/2005		---	NL	---	N/A	NL
	3/9/2006		---	NL	---	N/A	NL
	6/29/2006		---	NL	---	N/A	NL
	6/22/2007		---	NL	---	N/A	NL
	10/1/2008		---	NL	---	N/A	NL
	4/2/2009		---	NL	---	N/A	NL
	11/12/2009		---	NL	---	N/A	NL
MW-17R	3/17/2010	10-20	---	11.73	---	163.81	152.08
	9/2/2010		---	13.05	---	163.81	150.76
	4/21/2011		---	12.55	---	163.81	151.26
	8/1/2013		---	11.65	---	163.81	152.16
	1/20/2015		---	13.63	---	163.81	150.18
	2/9/2016		---	10.18	---	163.81	153.63
	6/1/2018		---	11.02	---	163.81	152.79
MW-18	11/8/2000	10-20	---	14.93	---	165.04	150.11
	8/20/2001		---	14.43	---	165.04	150.61
	8/17/2002		---	15.83	---	165.04	149.21
	7/18/2003		---	13.39	---	165.04	151.65
	2/21/2004		---	13.43	---	165.04	151.61
	10/20/2004		---	13.80	---	165.04	151.24
	8/22/2005		---	13.50	---	165.04	151.54
	11/28/2005		---	13.87	---	165.04	151.17
	3/9/2006		---	14.41	---	165.04	150.63
	6/29/2006		---	18.02	---	165.04	147.02
	6/22/2007		---	NM	---	165.04	NM
	10/1/2008		---	NM	---	165.04	NM
	4/2/2009		---	NM	---	165.04	NM
	11/12/2009		---	0.00	---	165.04	165.04
	9/2/2010		---	4.30	---	165.04	160.74
	4/21/2011		---	13.10	---	165.04	151.94
	8/1/2013		---	12.20	---	165.04	152.84
	1/20/2015		---	13.48	---	165.04	151.56
	2/9/2016		---	10.83	---	165.04	154.21
	6/1/2018		---	11.71	---	165.04	153.33

TABLE 2
POTENTIOMETRIC DATA
JUNE 1, 2018 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6417
SCDHEC SITE ID NUMBER 08932

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-19	11/8/2000	3-13	---	5.13	---	149.34	144.21
	8/21/2001		---	5.09	---	149.34	144.25
	8/17/2002		---	6.04	---	149.34	143.30
	7/18/2003		---	4.45	---	149.34	144.89
	3/6/2004		---	3.65	---	149.34	145.69
	10/20/2004		---	NL	---	149.34	NL
	8/22/2005		---	NL	---	149.34	NL
	11/28/2005		---	5.87	---	149.34	143.47
	3/9/2006		---	3.89	---	149.34	145.45
	6/29/2006		---	4.79	---	149.34	144.55
	6/22/2007		---	NM	---	149.34	NM
	10/1/2008		---	NM	---	149.34	NM
	4/2/2009		---	NL	---	149.34	NL
	11/12/2009		---	NL	---	149.34	NL
	3/17/2010		---	3.38	---	149.34	145.96
	9/2/2010		---	3.11	---	149.34	146.23
	4/21/2011		---	3.96	---	149.34	145.38
	8/1/2013		---	3.04	---	149.34	146.30
	1/20/2015		---	3.51	---	149.34	145.83
	2/9/2016		---	2.69	---	149.34	146.65
	6/1/2018		---	NL	---	149.34	NL
MW-20	11/8/2000	3-13	---	3.40	---	173.24	169.84
	8/21/2001		---	3.59	---	173.24	169.65
	8/17/2002		---	4.67	---	173.24	168.57
	7/18/2003		---	2.71	---	173.24	170.53
	3/6/2004		---	1.85	---	173.24	171.39
	10/20/2004		---	NL	---	173.24	NL
	8/22/2005		---	NL	---	173.24	NL
	11/28/2005		---	6.14	---	173.24	167.10
	3/9/2006		---	2.89	---	173.24	170.35
	6/29/2006		---	1.54	---	173.24	171.70
	6/22/2007		---	2.86	---	173.24	170.38
	10/1/2008		---	NM	---	173.24	NM
	4/2/2009		---	1.61	---	173.24	171.63
	11/12/2009		---	1.92	---	173.24	171.32
	9/2/2010		---	26.35	---	173.24	146.89
	4/21/2011		---	NL	---	173.24	NL
	8/1/2013		---	NL	---	173.24	NL
	1/20/2015		---	NL	---	173.24	NL
	2/9/2016		---	NL	---	173.24	NL
	6/1/2018		---	NL	---	173.24	NL
MW-21	8/20/2001	3-8	---	2.90	---	145.46	142.56
	8/18/2002		---	2.43	---	145.46	143.03
	7/18/2003		---	0.70	---	145.46	144.76
	3/6/2004		---	0.00	---	145.46	145.46
	10/20/2004		---	1.22	---	145.46	144.24
	8/22/2005		---	NL	---	145.46	NL
	11/28/2005		---	6.21	---	145.46	139.25
	3/9/2006		---	1.71	---	145.46	143.75
	6/29/2006		---	1.50	---	145.46	143.96
	6/22/2007		---	NM	---	145.46	NM
	10/1/2008		---	NM	---	145.46	NM
	4/2/2009		---	NL	---	145.46	NL
	11/12/2009		---	0.07	---	145.46	145.39
	9/2/2010		---	NL	---	145.46	NL
	4/21/2011		---	1.75	---	145.46	143.71
	8/1/2013		---	NL	---	145.46	NL
	1/20/2015		---	NL	---	145.46	NL
	2/9/2016		---	NL	---	145.46	NL
	6/1/2018		---	NL	---	145.46	NL

TABLE 2
POTENTIOMETRIC DATA
JUNE 1, 2018 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6417
SCDHEC SITE ID NUMBER 08932

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-22	8/20/2001	3-13	---	2.50	---	145.86	143.36
	8/18/2002		---	2.40	---	145.86	143.46
	7/18/2003		---	0.85	---	145.86	145.01
	3/6/2004		---	0.00	---	145.86	145.86
	10/20/2004		---	0.60	---	145.86	145.26
	8/22/2005		---	NL	---	145.86	NL
	11/28/2005		---	5.88	---	145.86	139.98
	3/9/2006		---	2.15	---	145.86	143.71
	6/29/2006		---	1.13	---	145.86	144.73
	6/22/2007		---	NM	---	145.86	NM
	10/1/2008		---	NM	---	145.86	NM
	4/2/2009		---	NL	---	145.86	NL
	11/12/2009		---	0.95	---	145.86	144.91
	9/2/2010		---	NL	---	145.86	NL
	4/21/2011		---	1.65	---	145.86	144.21
	8/1/2013		---	NL	---	145.86	NL
	1/20/2015		---	NL	---	145.86	NL
	2/9/2016		---	NL	---	145.86	NL
	6/1/2018		---	NL	---	145.86	NL
MW-23	8/20/2001	3-13	---	0.60	---	145.47	144.87
	8/18/2002		---	0.93	---	145.47	144.54
	7/18/2003		---	0.10	---	145.47	145.37
	3/6/2004		---	0.00	---	145.47	145.47
	10/20/2004		---	0.60	---	145.47	144.87
	8/22/2005		---	NL	---	145.47	NL
	11/28/2005		---	5.91	---	145.47	139.56
	3/9/2006		---	2.02	---	145.47	143.45
	6/29/2006		---	0.00	---	145.47	145.47
	6/22/2007		---	NM	---	145.47	NM
	10/1/2008		---	NM	---	145.47	NM
	4/2/2009		---	NL	---	145.47	NL
	11/12/2009		---	0.00	---	145.47	145.47
	9/2/2010		---	NL	---	145.47	NL
	4/21/2011		---	0.60	---	145.47	144.87
	8/1/2013		---	NL	---	145.47	NL
	1/20/2015		---	NL	---	145.47	NL
	2/9/2016		---	NL	---	145.47	NL
	6/1/2018		---	NL	---	145.47	NL
MW-24	8/20/2001	3-13	---	0.70	---	144.62	143.92
	8/18/2002		---	0.65	---	144.62	143.97
	7/18/2003		---	0.08	---	144.62	144.54
	3/6/2004		---	0.00	---	144.62	144.62
	10/20/2004		---	0.60	---	144.62	144.02
	8/22/2005		---	NL	---	144.62	NL
	11/28/2005		---	5.77	---	144.62	138.85
	3/9/2006		---	NL	---	144.62	NL
	6/29/2006		---	1.00	---	144.62	143.62
	6/22/2007		---	NM	---	144.62	NM
	10/1/2008		---	NM	---	144.62	NM
	4/2/2009		---	NL	---	144.62	NL
	11/12/2009		---	NL	---	144.62	NL
	9/2/2010		---	NL	---	144.62	NL
	4/21/2011		---	NL	---	144.62	NL
	8/1/2013		---	NL	---	144.62	NL
	1/20/2015		---	NL	---	144.62	NL
	2/9/2016		---	NL	---	144.62	NL
	6/1/2018		---	NL	---	144.62	NL

TABLE 2
POTENTIOMETRIC DATA
JUNE 1, 2018 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6417
SCDHEC SITE ID NUMBER 08932

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-25	7/18/2003	6-16	---	10.08	---	162.47	152.39
	3/6/2004		---	9.87	---	162.47	152.60
	10/20/2004		---	10.61	---	162.47	151.86
	8/22/2005		---	10.28	---	162.47	152.19
	11/28/2005		---	9.78	---	162.47	152.69
	3/9/2006		---	10.33	---	162.47	152.14
	6/29/2006		---	11.15	---	162.47	151.32
	6/22/2007		---	NM	---	162.47	NM
	10/1/2008		---	NM	---	162.47	NM
	4/2/2009		---	10.06	---	162.47	152.41
	11/12/2009		---	11.14	---	162.47	151.33
	9/2/2010		---	9.80	---	162.47	152.67
	4/21/2011		---	9.85	---	162.47	152.62
	8/1/2013		---	9.16	---	162.47	153.31
	1/20/2015		---	10.33	---	162.47	152.14
	2/9/2016		---	7.56	---	162.47	154.91
	6/1/2018		---	8.50	---	162.47	153.97
MW-26	7/18/2003	5-15	---	5.51	---	150.23	144.72
	3/6/2004		---	4.00	---	150.23	146.23
	10/20/2004		---	5.56	---	150.23	144.67
	8/22/2005		---	NL	---	150.23	NL
	11/28/2005		---	10.22	---	150.23	140.01
	3/9/2006		---	5.19	---	150.23	145.04
	6/29/2006		---	5.81	---	150.23	144.42
	6/22/2007		---	NM	---	150.23	NM
	10/1/2008		---	NM	---	150.23	NM
	4/2/2009		---	4.11	---	150.23	146.12
	11/12/2009		---	NL	---	150.23	NL
	9/2/2010		---	NL	---	150.23	NL
	4/21/2011		---	NL	---	150.23	NL
	8/1/2013		---	NL	---	150.23	NL
	1/20/2015		---	NL	---	150.23	NL
	2/9/2016		---	NL	---	150.23	NL
	6/1/2018		---	NL	---	150.23	NL
MW-27	7/18/2003	6-16	---	2.05	---	146.19	144.14
	3/6/2004		---	0.00	---	146.19	146.19
	10/20/2004		---	1.53	---	146.19	144.66
	8/22/2005		---	NL	---	146.19	NL
	11/28/2005		---	5.91	---	146.19	140.28
	3/9/2006		---	1.68	---	146.19	144.51
	6/29/2006		---	1.68	---	146.19	144.51
	6/22/2007		---	NM	---	146.19	NM
	10/1/2008		---	NM	---	146.19	NM
	4/2/2009		---	NL	---	146.19	NL
	11/12/2009		---	2.19	---	146.19	144.00
	9/2/2010		---	NL	---	146.19	NL
	4/21/2011		---	3.00	---	146.19	143.19
	8/1/2013		---	NL	---	146.19	NL
	1/20/2015		---	NL	---	146.19	NL
	2/9/2016		---	NL	---	146.19	NL
	6/1/2018		---	NL	---	146.19	NL
MW-28	3/17/2010	2-12	---	4.81	---	153.73	148.92
	9/2/2010		---	5.65	---	153.73	148.08
	4/21/2011		---	5.31	---	153.73	148.42
	8/1/2013		---	1.51	---	153.73	152.22
	1/20/2015		---	2.00	---	153.73	151.73
	2/9/2016		---	3.18	---	153.73	150.55
	6/1/2018		---	NL	---	153.73	NL
TFR-1	9/2/2010	TD: 24.40'	---	16.31	---	171.56	155.25
	4/21/2011		---	16.95	---	171.56	154.61
	8/1/2013		---	17.31	---	171.56	154.25
	1/20/2015		---	17.40	---	171.56	154.16
	2/9/2016		---	14.74	---	171.56	156.82
	6/1/2018		---	15.87	---	171.56	155.69

TABLE 2
POTENTIOMETRIC DATA
JUNE 1, 2018 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6417
SCDHEC SITE ID NUMBER 08932

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
TFR-2	9/2/2010	TD: 24.00'	---	16.80	---	172.02	155.22
	4/21/2011		---	17.61	---	172.02	154.41
	8/1/2013		---	17.10	---	172.02	154.92
	1/20/2015		---	18.86	---	172.02	153.16
	2/9/2016		---	15.34	---	172.02	156.68
	6/1/2018		---	16.50	---	172.02	155.52
TFR-3	9/2/2010*	TD: 25.20'	16.79	16.88	0.09	171.48	154.68
	4/21/2011		---	17.33	---	171.48	154.15
	8/1/2013		---	16.92	---	171.48	154.56
	1/20/2015		---	17.87	---	171.48	153.61
	2/9/2016		---	15.20	---	171.48	156.28
	6/1/2018		---	16.23	---	171.48	155.25
TFR-4	9/2/2010*	TD: 24.30'	16.65	16.70	0.05	171.35	154.69
	4/21/2011*		17.31	17.55	0.24	171.35	154.00
	8/1/2013		---	16.87	---	171.35	154.48
	1/20/2015		---	17.70	---	171.35	153.65
	2/9/2016		---	15.11	---	171.35	156.24
	6/1/2018		---	16.20	---	171.35	155.15
TFR-5	9/2/2010	TD: 25.00'	---	0.30	---	171.34	171.04
	4/21/2011		---	0.00	---	171.34	171.34
	8/1/2013		---	Abandoned	---	171.34	Abandoned
	1/20/2015		---	Abandoned	---	171.34	Abandoned
	2/9/2016		---	Abandoned	---	171.34	Abandoned
	6/1/2018		---	Abandoned	---	171.34	Abandoned
TFR-6	9/2/2010	TD: 22.18'	---	16.65	---	171.03	154.38
	4/21/2011		---	17.14	---	171.03	153.89
	8/1/2013		---	16.80	---	171.03	154.23
	1/20/2015*		16.48	16.50	0.02	171.03	154.55
	2/9/2016		---	15.05	---	171.03	155.98
	6/1/2018		---	16.57	---	171.03	154.46
TFR-7	9/2/2010*	TD: 25.00'	16.55	16.57	0.02	170.92	154.37
	4/21/2011*		16.98	18.40	1.42	170.92	153.73
	8/1/2013		---	Abandoned	---	170.92	Abandoned
	1/20/2015		---	Abandoned	---	170.92	Abandoned
	2/9/2016		---	Abandoned	---	170.92	Abandoned
	6/1/2018		---	Abandoned	---	170.92	Abandoned
TFR-8	9/2/2010	TD: 25.00'	---	16.65	---	170.74	154.09
	4/21/2011		---	17.09	---	170.74	153.65
	8/1/2013		---	Abandoned	---	170.74	Abandoned
	1/20/2015		---	Abandoned	---	170.74	Abandoned
	2/9/2016		---	Abandoned	---	170.74	Abandoned
	6/1/2018		---	Abandoned	---	170.74	Abandoned
TFR-9	9/2/2010	TD: 25.01'	---	15.84	---	169.85	154.01
	4/21/2011		---	16.22	---	169.85	153.63
	8/1/2013		---	16.10	---	169.85	153.75
	1/20/2015		---	NL	---	169.85	NL
	2/9/2016		---	NL	---	169.85	NL
	6/1/2018		---	NL	---	169.85	NL
TFR-10	9/2/2010	TD: 24.92'	---	15.19	---	168.99	153.80
	4/21/2011		---	15.56	---	168.99	153.43
	8/1/2013		---	16.08	---	168.99	152.91
	1/20/2015		---	16.69	---	168.99	152.30
	2/9/2016		---	14.31	---	168.99	154.68
	6/1/2018		---	15.17	---	168.99	153.82
TFR-11	9/2/2010	TD: 25.03'	---	15.28	---	168.71	153.43
	4/21/2011		---	15.59	---	168.71	153.12
	8/1/2013		---	15.33	---	168.71	153.38
	1/20/2015		---	NL	---	168.71	NL
	2/9/2016		---	NL	---	168.71	NL
	6/1/2018		---	NL	---	168.71	NL
TFR-12	9/2/2010*	TD: 20.00'	15.24	16.15	0.91	172.28	156.90
	4/21/2011		---	15.80	---	172.28	156.48
	8/1/2013*		15.56	15.59	0.03	172.28	156.72
	1/20/2015		---	16.00	---	172.28	156.28
	2/9/2016		---	13.60	---	172.28	158.68
	6/1/2018		---	14.48	---	172.28	157.80

Notes:

1. Elevations based on assumed site datum.
2. Groundwater depths were measured from the top of the PVC riser pipe.
3. Groundwater levels measured on 6/1/2018.
4. NL = Not Located
5. NM = Not Measured
6. * = Grounwater elevation corrected for the presence of free product using a specific gravity of 0.85.

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
JUNE 1, 2018 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6417
SCDHEC ID NUMBER 08932

Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (mg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	*RBSL 1,000*	*RBSL 700*	*RBSL 10,000*	*RBSL 25*	*RBSL 40*	*RBSL 5*	*RBSL 0.05*	*RBSL 15*	*RBSL 240*	*RBSL 128*	*RBSL NE*	*RBSL 1,400*	*RBSL NE*	*RBSL 150*	*RBSL 10,000*	*RBSL 47*
MW-1	12/28/1998	1,760	14,600	3,460	8,580	449	<5.0	NT	NT	144	NT	NT	NT	NT	NT	NT	NT	NT
	8/18/1999	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	11/1/2000	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	8/21/2001	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	8/17/2002	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	7/17/2003	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	2/21/2004	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	10/20/2004	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	8/22/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/28/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	3/9/2006	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/29/2006	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/22/2007	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	10/1/2008	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/2/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/12/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-1R	3/17/2010	2,840	34,800	5,860	28,500	829	<250	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	3,990	33,200	5,270	24,600	<1,250	<1,250	<1,250	26.3	NT	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
	4/21/2011	2,790	28,100	4,710	22,700	544J	<1,250	<1,250	16.0	NT	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
	8/1/2013	830	14,000	3,400	17,000	540	<500	<500	3.6	NT	1,600J	<1,000	<10,000	<10,000	<10,000	<1,000	<100,000	<10,000
	1/20/2015	998J	19,100	2,850	15,400	<1,250	<5.0	<5.0	2.6	NT	913	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	2/9/2016	499	8,820	2,100	11,400	388	<250	<250	2.4	NT	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	6/1/2018	750	16,700	4,410	22,600	873	<500	<500	0.77	NT	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
MW-2	12/28/1998	794	5,590	1,800	4,370	236	<5.0	NT	NT	19	NT	NT	NT	NT	NT	NT	NT	NT
	8/18/1999	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/1/2000	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	8/21/2001	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	8/17/2002	69.0	101	81.1	188	5.80	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/17/2003	280	680	726	2,120	6.60	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	2/21/2004	77.8	84.4	140	212	5.40	4.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	9,600	46,000	7,100	30,000	13,000	510	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	390	100	270	480	50	31	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	54	49	53	200	53	110	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	8,600	43,000	3,900	22,000	270	2,500	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	350	280	270	790	<100	400	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	220	40	180	150	<100	370	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/1/2008	262	452	501	862	40	202	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	4/2/2009	367	920	947	2,189	113	103	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/12/2009	168	167	254	374	7.2	27.2	<5.0	<0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	133	230	344	465	6.5J	39.3	<10.0	<0.019	NT	<200	<20.0	<200	<200	<100	<10.0	<400	<20.0
	4/21/2011	183	272	474	588	<10.0	12.6	<10.0	<0.019	NT	<200	<20.0	<200	<200	<100	<10.0	<400	<20.0
	8/1/2013	21	85	120	270	4.9J	0.47J	<5.0	<0.020	NT	16J	<10	16J	<100	<100	<10	<1,000	<100
	1/20/2015	7.7	3.9J	15.3	23.9	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	2/9/2016	20.1	9.5	158	118	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/2018	170	39.9	25.0	22.5	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	3.7J	<200	<10.0
MW-3	12/28/1998	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	NT	NT	<3.0	NT	NT	NT	NT	NT	NT	NT	NT
	8/18/1999	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<5.0	<0.0030	NT	NT	NT	NT	NT	NT	NT	NT
	11/1/2000	2.41	1.27	2.76	21.77	196	<1.0	NT	<1.0	<0.005	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/2001	27	7.2	<5.0	20	<5.0	<5.0	NT	<0.021	<0.003	NT	NT	NT	NT	NT	NT	NT	NT
	8/17/2002	5.1	12.1	4.4	37.9	ND	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/17/2003	1.3	1.6	ND	11.5	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	2/21/2004	<1.0	1.1	<1.0	6.7	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	7.1	4.0	3.4	34	<5.0	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	<5.0	9.4	<5.0	7.8	<25	<5.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/1/2008	NS	NS	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	4/2/2009	NS	NS	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/12/2009	1,050	11,300	3,400	15,900	496	<250	<250	1.3	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	<5.0	<5.0	<5.0	3.0J	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/21/2011	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/1/2013	4.8J	260	230	2,000	160	<50	<50	0.76	NT	160J	<100	<1,000	<1,000	<1,000	5.6J	<10,000	<1,000
	1/20/2015	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	2/9/2016	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/2018	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
JUNE 1, 2018 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6417
SCDHEC ID NUMBER 08932

Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (mg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	*RBSL 1,000*	*RBSL 700*	*RBSL 10,000*	*RBSL 25*	*RBSL 40*	*RBSL 5*	*RBSL 0.05*	*RBSL 15*	*RBSL 240*	*RBSL 128*	*RBSL NE*	*RBSL 1,400*	*RBSL NE*	*RBSL 150*	*RBSL 10,000*	*RBSL 47*
MW-4	12/28/1998*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	8/18/1999*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	11/1/2000*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	8/16/2001*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	8/17/2002*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	7/17/2003*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	2/21/2004*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	10/20/2004*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	8/22/2005	**720**	**13,000**	**5,900**	**40,000**	**2,300**	**250**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	**590**	**1,200**	**89**	**4,100**	**180**	**150**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	**57**	**150**	**180**	**150**	**150**	**26**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	**640**	**1,400**	<1	**4,000**	**120**	**<1**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	**30**	**140**	**14**	**240**	**13**	**<1.0**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/1/2008	**132**	**1,030**	**11**	**562**	**11**	**2**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	4/2/2009	**1**	**2.16**	**1**	**1**	**2**	**2**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/12/2009	**16.9**	**78.7**	**4.9J**	**44.8**	<5.0	**5.2**	<5.0	**0.14**	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	**665**	**4,280**	**358**	**3,200**	**45.9**	**132**	**1.3J**	**0.50**	NT	**172**	**12.0**	<100	<100	<50.0	<5.0	<200	<10.0
	4/21/2011	**656**	**2,280**	**59.2J**	**1,320**	<125	**263**	**<125**	**0.12**	NT	<2,500	**<250**	<2,500	<2,500	<1,250	<125	<5,000	<250
	8/1/2013	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed
	1/20/2015	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed
	2/9/2016	**47.9**	**622**	**119**	**673**	**<25.0**	**<25.0**	**<25.0**	**0.049**	NT	<500	<50.0	<500	<500	<250	<25.0	<1,000	<50.0
	6/1/2018	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed
MW-5D	8/19/1999	<5.0	<5.0	<5.0	<5.0	**9.7**	<5.0	NT	<5.0	<0.0030	NT	NT	NT	NT	NT	NT	NT	NT
	11/1/2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NT	<1.0	<0.005	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/2001	**<5.0**	**<5.0**	<5.0	**5.1**	**<5.0**	**<5.0**	NT	<0.021	<0.003	NT	NT	NT	NT	NT	NT	NT	NT
	8/17/2002	ND	**3.8**	ND	**3.2**	ND	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/17/2003	ND	ND	ND	**1.5**	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	2/21/2004	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	**2.0**	**81**	**74**	**370**	**74**	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	<10	**120**	**170**	**990**	**140**	<10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	**1.7**	**8.6**	**<1**	**50**	**8.4**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	**13**	**29.0**	<1.0	**93.0**	**12**	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	**1**	**17.0**	**3.9**	**20.0**	<5.0	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/1/2008	**6,120**	**51,700**	**3,540**	**17,580**	**206**	**900**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	4/2/2009	**1**	1	**1**	**1**	**2**	**10.2**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/12/2009	<5.0	<5.0	<5.0	<10.0	<5.0	**24.1**	<5.0	<0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	<5.0	<5.0	<5.0	**7.1J**	**4.8J**	**29.0**	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/21/2011	<5.0	<5.0	<5.0	<10.0	<5.0	**33.9**	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/1/2013	**0.31J**	<5.0	<5.0	<5.0	<5.0	**16**	<5.0	<0.019	NT	<100	<10	<100	<100	<100	<10	<1,000	<100
	1/20/2015	**242**	<5.0	<5.0	**45.3**	**6.6**	**120**	<5.0	<0.019	NT	**188**	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	2/9/2016	<5.0	<5.0	<5.0	<10.0	<5.0	**4.9J**	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/2018	**72.0**	<5.0	<5.0	**10.1**	**8.5**	**30.9**	<5.0	**0.022**	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-6	8/18/1999	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<5.0	<0.0030	NT	NT	NT	NT	NT	NT	NT	NT
	11/1/2000	**<1.0**	<1.0	<1.0	<1.0	<1.0	<1.0	NT	<1.0	<0.005	NT	NT	NT	NT	NT	NT	NT	NT
	8/16/2001	**<5.0**	**6.5**	**<5.0**	**12**	<5.0	<5.0	NT	<0.020	0.028	NT	NT	NT	NT	NT	NT	NT	NT
	8/17/2002	**8.8**	**4.5**	ND	**8.2**	ND	**3.2**	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/17/2003	**48.5**	**33.2**	**31.8**	**129**	**ND**	**5.9**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	2/21/2004	**14.0**	<1.0	**3.2**	**7.5**	<5.00	**3.4**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	**7,900**	**30,000**	**15,000**	**77,000**	**9,100**	<250	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	**200**	**56**	**39**	**130**	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	**600**	**240**	**170**	**400**	<500	<100	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	**330**	**70**	**58**	**75**	<50	<10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	**400**	**190**	**96**	**300**	**<5**	**8.9**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	**77**	**62**	**33**	**180**	<5.0	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/1/2008	**2**	**6**	**7**	**17**	**2**	**2**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	4/2/2009	**1**	**1**	**1**	**1**	**2**	**2**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/12/2009	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	<5.0	<5.0	**2.6J**	**3.1J**	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/21/2011	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/1/2013	**20**	3.0J	**11**	**52**	<5.0	<5.0	<5.0	<0.020	NT	**36J**	<10	<100	<100	<100	<10	<1,000	<100
	1/20/2015	DRY	DRY	DRY	DRY	DRY	DRY	**DRY**	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	2/9/2016	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/2018	**8.1**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	**2.0J**	<200	<10.0

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
JUNE 1, 2018 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6417
SCDHEC ID NUMBER 08932

Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (mg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	*RBSL 1,000*	*RBSL 700*	*RBSL 10,000*	*RBSL 25*	*RBSL 40*	*RBSL 5*	*RBSL 0.05*	*RBSL 15*	*RBSL 240*	*RBSL 128*	*RBSL NE*	*RBSL 1,400*	*RBSL NE*	*RBSL 150*	*RBSL 10,000*	*RBSL 47*
MW-7	8/18/1999*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	11/2/2000*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	8/24/2001*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	8/17/2002*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	7/17/2003*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	2/21/2004*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	10/20/2004	21,000	47,000	9,400	37,000	1,100	5,400	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	13,000	57,000	17,000	82,000	11,000	4,300	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	16,000	40,000	7,100	34,000	1,200	4,300	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	19,000	70,000	8,200	45,000	<1,000	6,400	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	6/22/2007*	17,000	52,000	7,000	35,000	1,900	3,400	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/1/2008*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	4/2/2009	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	11/12/2009	16,100	50,000	4,550	24,500	638	1,970	<500	239	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	13,900	40,500	4,790	30,800	<2,500	2,720	<2,500	253	NT	<50,000	<5,000	<50,000	<50,000	<25,000	<2,500	<100,000	<5,000
	4/21/2011	11,100	29,300	2,730	25,800	769J	2,840	<1,250	151	NT	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
	8/1/2013	10,000	52,000	5,000	31,000	1,800J	310J	<2,500	120	NT	7,300J	<5,000	<50,000	<50,000	<50,000	<5,000	<500,000	<50,000
	1/20/2015	11,700	42,200	3,280	21,900	1,500	1,000	82.4J	174	NT	6,000	203	<2,000	<2,000	<1,000	<100	<4,000	<200
	2/9/2016	9,270	38,300	3,620	30,300	1,240J	<1,250	<1,250	148	NT	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
	6/1/2018	9,330	34,500	2,600	23,200	719J	462J	<1,000	320	NT	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
MW-8	8/18/1999	2,300	10,000	1,300	5,900	1,200	<5.0	NT	38	0.13	NT	NT	NT	NT	NT	NT	NT	NT
	11/2/2000*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	8/24/2001*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	8/17/2002*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	7/17/2003*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	2/21/2004*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	10/20/2004	1,700	11,000	2,300	9,400	1,000	<25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	6,000	30,000	6,600	32,000	1,700	200	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	5,300	29,000	5,000	27,000	<1,000	<200	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	1,800	13,000	2,800	17,000	410	<20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008*	761	3,050	810	10,060	1,370	40	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	4/2/2009	683	2,300	690	7,660	370	40	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/12/2009	647	2,100	404	3,700	164	<125	<125	7.4	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	1,090	6,930	749	6,820	369	<100	<100	8.8	NT	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	4/21/2011	1,660	7,480	665	7,550	391	<250	<250	21.5	NT	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	8/1/2013	1,300	4,200	840	8,900	480	<250	<250	16	NT	2,600J	<500	<5,000	<5,000	<5,000	<500	<50,000	<5,000
	1/20/2015	2,160	11,600	932	11,300	680	<125	<125	29.0	NT	5,610	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
	2/9/2016	1,370	11,700	687	8,440	448J	<500	<500	22.9	NT	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
	6/1/2018	1,340	17,900	1,880	14,500	517	<500	<500	11.4	NT	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
MW-9	8/18/1999*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	11/2/2000*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	8/24/2001*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	8/17/2002*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	7/17/2003*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	2/21/2004*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	10/20/2004	20,000	48,000	9,800	50,000	10,000	590	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	23,000	77,000	15,000	75,000	4,400	270	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	190	350	45	230	7.1	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	22,000	60,000	3,800	24,000	560.0	170	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	6/22/2007	4,900	31,000	3,700	26,000	2,600	<50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/1/2008	2,850	13,400	1,790	17,340	1,820	40	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	4/2/2009	12,200	33,800	2,850	27,390	941	273	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/12/2009	13,100	33,800	2,000	24,300	757	73.2J	390	598	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	14,500	29,500	1,630	21,200	1,150	<1,000	412J	612	NT	44,900	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
	4/21/2011	11,700	30,000	1,590	17,600	741J	<1,250	<1,250	510	NT	41,300	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
	8/1/2013	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	1/20/2015	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	2/9/2016	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	6/1/2018	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
JUNE 1, 2018 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6417
SCDHEC ID NUMBER 08932

Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (mg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*
		5	*1,000*	*700*	*10,000*	*25*	*40*	*5*	*0.05*	*15*	*240*	*128*	*NE*	*1,400*	*NE*	*150*	*10,000*	*47*
MW-10	8/18/1999	**15,000**	**22,000**	**1,400**	**7,900**	<250	<5.0	NT	**460**	**0.72**	NT	NT	NT	NT	NT	NT	NT	NT
	11/2/2000*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	8/24/2001*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	8/17/2002*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	7/17/2003*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	2/21/2004*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	10/20/2004*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	8/22/2005	**20,000**	**34,000**	**34,000**	**25,000**	**9,900**	**250**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	**21,000**	**62,000**	**16,000**	**76,000**	**3,500**	<200	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	**17,000**	**40,000**	**3,100**	**19,000**	<2,500	<500	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	6/22/2007*	**6,500**	**42,000**	**14,000**	**96,000**	**25,000**	**500**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/1/2008*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/2/2009	**8,260**	**23,700**	**3,680**	**26,110**	**1,010**	**2**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/12/2009*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	9/2/2010*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/21/2011	**11,100**	**24,000**	**2,740**	**16,500**	**635**	<250	**299**	**322**	NT	**18,300**	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	8/1/2013	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	1/20/2015	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	2/9/2016	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	6/1/2018	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
MW-11	8/18/1999	<5.0	<5.0	<5.0	**<5.0**	**<5.0**	**<5.0**	NT	<5.0	**0.014**	NT	NT	NT	NT	NT	NT	NT	NT
	11/2/2000	<1.0	**<1.0**	**<1.0**	<1.0	<1.0	<1.0	NT	<1.0	**0.031**	NT	NT	NT	NT	NT	NT	NT	NT
	8/16/2001	**<5.0**	**9.0**	<5.0	**14**	<5.0	**<5.0**	NT	<0.019	**0.0075**	NT	NT	NT	NT	NT	NT	NT	NT
	8/17/2002	ND	ND	ND	**4.6**	ND	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/18/2003	ND	**2.2**	**1.1**	**7.0**	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	2/21/2004	<1.0	**1.8**	**1.0**	**11.1**	**<5.00**	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	8/22/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/28/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	3/9/2006	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/29/2006	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/22/2007	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	10/1/2008	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/2/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/12/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-11R	3/17/2010	**13.0**	**70.2**	**36.3**	**175**	**<5.0**	<5.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	**6.7**	**17.9**	**12.6**	**107**	**<5.0**	<5.0	<5.0	<0.019	NT	**569**	<10.0	<100	<100	<50.0	**<5.0**	**<200**	<10.0
	4/21/2011	**4.0J**	**7.7**	**2.0J**	**83.0**	**<5.0**	**<5.0**	**<5.0**	<0.019	NT	**1,040**	<10.0	<100	<100	<50.0	<5.0	**<200**	<10.0
	8/1/2013	**3.7J**	<5.0	**2.4J**	**9.5**	**<5.0**	**<5.0**	**<5.0**	<0.020	NT	**77J**	<10	<100	<100	<100	<10	<1,000	<100
	1/20/2015	**4.1J**	**3.3J**	**<5.0**	<10.0	**<5.0**	**<5.0**	**<5.0**	<0.020	NT	**300**	<10.0	<100	<100	<50.0	**<5.0**	**<200**	<10.0
	2/9/2016	**<5.0**	<5.0	**<5.0**	<10.0	**<5.0**	**<5.0**	**<5.0**	<0.020	NT	<100	<10.0	<100	<100	<50.0	**<5.0**	**<200**	<10.0
	6/1/2018	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-12	8/19/1999	**3,600**	**16,000**	**2,100**	**8,800**	**290**	**93**	NT	**<250**	<0.0030	NT	NT	NT	NT	NT	NT	NT	NT
	11/1/2000*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	8/24/2001*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	8/17/2002*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	7/17/2003*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	2/21/2004*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	10/20/2004*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	8/22/2005	**4,100**	**44,000**	**15,000**	**75,000**	**7,800**	**250**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	**5,400**	**46,000**	**16,000**	**81,000**	**4,100**	<200	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/29/2006	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	**1**	**1**	**1**	**1**	**2**	**2**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/12/2009	**801**	**1,870**	**22.6J**	**9,020**	**140**	**67.4**	<50.0	**11.4**	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	**2,960**	**23,200**	**3,180**	**21,700**	**646**	<100	<100	**2.6**	NT	**<2,000**	**<200**	<2,000	**<2,000**	<1,000	<100	**<4,000**	**<200**
	4/21/2011	**2,490**	**18,600**	**3,630**	**21,000**	**628J**	<1,000	<1,000	**2.5**	NT	**25,300**	<2,000	<20,000	**<20,000**	<10,000	<1,000	**<40,000**	<2,000
	8/1/2013	**99J**	**1,400**	**130J**	**7,100**	**290**	<250	<250	**0.74**	NT	**660J**	**<500**	<5,000	**<5,000**	<5,000	<500	**<50,000**	<5,000
	1/20/2015	**568**	**6,470**	**891**	**15,000**	**459**	<5.0	<5.0	**1.8**	NT	**324**	<10.0	<100	**83.0J**	<50.0	<5.0	**<200**	<10.0
	2/9/2016	**189**	**901**	**125**	**3,780**	**165**	<62.5	<62.5	**0.61**	NT	**<1,250**	**<125**	**<1,250**	**<1,250**	**<625**	<62.5	**<2,500**	<125
	6/1/2018	**96.6**	**1,030**	**95.7**	**2,890**	**123**	<50.0	<50.0	**0.028**	NT	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
JUNE 1, 2018 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6417
SCDHEC ID NUMBER 08932

Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (mg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	*RBSL 1,000*	*RBSL 700*	*RBSL 10,000*	*RBSL 25*	*RBSL 40*	*RBSL 5*	*RBSL 0.05*	*RBSL 15*	*RBSL 240*	*RBSL 128*	*RBSL NE*	*RBSL 1,400*	*RBSL NE*	*RBSL 150*	*RBSL 10,000*	*RBSL 47*
MW-13	10/18/1999	**5.1**	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<5.0	<0.0030	NT	NT	NT	NT	NT	NT	NT	NT
	11/1/2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NT	<1.0	**0.021**	NT	NT	NT	NT	NT	NT	NT	NT
	8/20/2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<0.019	**0.020**	NT	NT	NT	NT	NT	NT	NT	NT
	8/17/2002	ND	ND	ND	ND	ND	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/17/2003	ND	ND	ND	**1.5**	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	2/21/2004	<1	<1.0	<1.0	<1.0	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	<1	1.9	<1	1.7	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	1.7	2.7	1.9	6.6	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	<1	<1	<1	3.6	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/12/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019	NT	**83.2J**	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/21/2011	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/1/2013	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10	<100	<100	<100	<10	<1,000	<100
	1/20/2015	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	2/9/2016	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/2018	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-14	10/18/1999	**2,160**	**1,390**	**431**	**2,180**	**73.6**	<5.0	NT	<5.0	<0.0030	NT	NT	NT	NT	NT	NT	NT	NT
	11/2/2000	**1,180**	<10.0	**60.4**	**393.9**	<10.0	<10.0	NT	<10.0	<0.005	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/2001	**450**	**11**	**8.4**	**160**	**18**	<5.0	NT	<0.019	<0.003	NT	NT	NT	NT	NT	NT	NT	NT
	8/17/2002	**553**	**7.4**	**28.0**	**222**	**34.2**	ND	NT	**0.05**	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/18/2003	**33.1**	ND	ND	**3.0**	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/6/2004	**67.7**	<1.0	**3.9**	**20.5**	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	<1	**2.2**	<1	**1.4**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	<1	**1**	<1	1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	**1**	**1**	**1**	**1**	**4.65**	**2**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/12/2009	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	**<5.0**	<0.019	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	**<5.0**	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/21/2011	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	**<5.0**	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/1/2013	**19**	<5.0	<5.0	<5.0	**8.7**	<5.0	**3.5J**	<0.020	NT	**980**	<10	<100	**31J**	<100	<10	<1,000	<100
	1/20/2015	<5.0	<5.0	**8.4**	<10.0	<5.0	<5.0	**12.0**	**0.028**	NT	**2,690**	<10.0	<100	**131**	<50.0	<5.0	<200	<10.0
	2/9/2016	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	**<5.0**	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/2018	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	**252**	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-15	10/18/1999	<5.0	**10**	<5.0	**14**	<5.0	<5.0	NT	<5.0	<0.0030	NT	NT	NT	NT	NT	NT	NT	NT
	11/1/2000	**<1.0**	<1.0	<1.0	<1.0	<1.0	<1.0	NT	<1.0	**0.089**	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/2001	**8.9**	<5.0	<5.0	**9.0**	<5.0	<5.0	NT	<0.019	**0.073**	NT	NT	NT	NT	NT	NT	NT	NT
	8/17/2002	ND	ND	ND	ND	ND	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/18/2003	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	2/21/2004	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	<1	**2.1**	<1	**2.3**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	<1	**2.2**	**1.2**	**7.1**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	<1	**1.7**	<1	**1.6**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	<1	<1	<1	**1.5**	<5	**1.6**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	<1	**2.5**	<1	**3.0**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	<1	**67.0**	**63.0**	**430.0**	**100**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/12/2009	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	**<5.0**	<0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	**<5.0**	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/21/2011	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	**<5.0**	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/1/2013	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**<5.0**	<0.020	NT	**17J**	<10	<100	<100	<100	<10	<1,000	<100
	1/20/2015	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	**<5.0**	<0.020	NT	**320**	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	2/9/2016	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	**<5.0**	<0.020	NT	**90.0J**	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/2018	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**0.051**	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
JUNE 1, 2018 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6417
SCDHEC ID NUMBER 08932

Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (mg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	*RBSL 1,000*	*RBSL 700*	*RBSL 10,000*	*RBSL 25*	*RBSL 40*	*RBSL 5*	*RBSL 0.05*	*RBSL 15*	*RBSL 240*	*RBSL 128*	*RBSL NE*	*RBSL 1,400*	*RBSL NE*	*RBSL 150*	*RBSL 10,000*	*RBSL 47*
MW-16	10/18/1999	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<5.0	<0.0030	NT	NT	NT	NT	NT	NT	NT	NT
	11/1/2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NT	<1.0	**0.075**	NT	NT	NT	NT	NT	NT	NT	NT
	8/16/2001	<5.0	**7**	<5.0	**11**	<5.0	<5.0	NT	<0.019	**0.015**	NT	NT	NT	NT	NT	NT	NT	NT
	8/17/2002	ND	ND	ND	ND	ND	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/18/2003	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	2/21/2004	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	<1	**2.4**	<1	**1.6**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	<1	<1	<1	**1.2**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	<1	**1.5**	<1	**1.5**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	<1	<1	<1	**3.4**	<5	**1.2**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/12/2009	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	9/2/2010	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/21/2011	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/1/2013	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10	<100	<100	<100	<10	<1,000	<100
	1/20/2015	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	2/9/2016	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/2018	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-17	11/8/2000	**9,320**	**10,800**	**1,380**	**4,910**	**224**	<100	N/A	<100	**0.038**	NT	NT	NT	NT	NT	NT	NT	NT
	8/24/2001	**680**	**680**	**100**	**430**	**38**	<5.0	N/A	**0.10**	**0.030**	NT	NT	NT	NT	NT	NT	NT	NT
	8/17/2002	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	7/18/2003	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	2/21/2004	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	10/20/2004	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	8/22/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/28/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	3/9/2006	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/29/2006	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/22/2007	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	10/1/2008	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/2/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/12/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-17R	3/17/2010	**4,450**	**6,450**	**919**	**3,670**	**164**	**198**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	**7,080**	**12,000**	**1,370**	**5,900**	**450**	**205J**	**301**	**0.22**	NT	**9,130**	<500	<5,000	<5,000	**<2,500**	**<250**	<10,000	<500
	4/21/2011	**4,750**	**7,130**	**937**	**3,840**	<500	<500	**185J**	**0.14**	NT	<10,000	<1,000	<10,000	<10,000	**<5,000**	**<500**	<20,000	<1,000
	8/1/2013	**4,700**	**6,000**	**890**	**4,400**	**200J**	**140J**	**210J**	**0.062P**	NT	**3,200J**	**18J**	<5,000	<5,000	**<5,000**	**<500**	<50,000	<5,000
	1/20/2015	**3,030**	**2,450**	**525**	**2,560**	**92.3**	**93.0**	**75.7**	<0.021	NT	**3,890**	**14.1**	<100	**208**	**<50.0**	**<5.0**	<200	<10.0
	2/9/2016	**8.0**	**4.4J**	<5.0	<10.0	**<5.0**	**11.1**	**6.1**	<0.019	NT	**86.6J**	<10.0	<100	<100	**<50.0**	**<5.0**	<200	<10.0
	6/1/2018	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-18	11/8/2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NT	<1.0	**0.108**	NT	NT	NT	NT	NT	NT	NT	NT
	8/20/2001	**<5.0**	**6.2**	<5.0	**10**	<5.0	**<5.0**	NT	<0.020	**0.028**	NT	NT	NT	NT	NT	NT	NT	NT
	8/17/2002	ND	ND	ND	ND	ND	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/18/2003	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	2/21/2004	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	**<1**	**2.3**	**<1**	**1.3**	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	<1	<1	<1	<1	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	<1	<1	<1	<1	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	**<1**	**1.3**	<1	**1.0**	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	<1	<1	<1	<1	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/12/2009	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/21/2011	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/1/2013	**0.50J**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	**210**	<10	<100	**7.3J**	<100	<10	<1,000	<100
	1/20/2015	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	2/9/2016	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/2018	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
JUNE 1, 2018 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6417
SCDHEC ID NUMBER 08932

Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (mg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	*RBSL 1,000*	*RBSL 700*	*RBSL 10,000*	*RBSL 25*	*RBSL 40*	*RBSL 5*	*RBSL 0.05*	*RBSL 15*	*RBSL 240*	*RBSL 128*	*RBSL NE*	*RBSL 1,400*	*RBSL NE*	*RBSL 150*	*RBSL 10,000*	*RBSL 47*
MW-19	11/8/2000	**380**	**1.46**	**1.59**	**60.59**	**6.71**	**1,200**	NT	<1.0	**0.023**	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/2001	**640**	**10**	<5.0	**88**	**19**	**43**	NT	<0.020	<0.003	NT	NT	NT	NT	NT	NT	NT	NT
	8/17/2002	**492**	ND	**11.8**	**30.7**	**9.50**	**39.7**	NT	**0.04**	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/18/2003	**760**	**8.5**	ND	**267**	**16.1**	**30.8**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/6/2004	**166**	<1.0	<1.0	**15.8**	<5.00	**196**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	8/22/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/28/2005	<1	**3.8**	<1	**10.0**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	**34**	<1	<1	<1	<5	**3.7**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	**9**	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/12/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	3/17/2010	**134**	<5.0	<5.0	<10.0	**5.0**	**12.7**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	**224**	<5.0	<5.0	**5.0J**	**9.4**	**29.7**	**4.2J**	<0.019	NT	**460**	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/21/2011	**24.6**	<5.0	<5.0	<10.0	<5.0	**5.3**	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/1/2013	**120**	<5.0	<5.0	<5.0	**5.9**	**16**	**7.4**	**0.030**	NT	**120**	<10	<100	**15J**	<100	**0.53J**	<1,000	<100
	1/20/2015	<5.0	<5.0	<5.0	<10.0	<5.0	**4.2J**	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	2/9/2016	**26.1**	<5.0	<5.0	<10.0	**4.3J**	**19.8**	**5.2**	<0.021	NT	**397**	<10.0	<100	**61.8J**	<50.0	<5.0	<200	<10.0
	3/9/2016	**19**	<0.24	<0.21	<0.32	**4.5**	**34**	**7.5**	**0.029**	**<4.7**	**350**	<0.25	<1.5	**49**	<0.66	**0.98J**	<19	<0.13
	6/1/2018	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-20	11/8/2000	**1,550**	**1.98**	**1.71**	**65.42**	**36.9**	**1.12**	NT	<1.0	**0.088**	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/2001	**1,200**	**5.7**	<5.0	**54**	**40**	<5.0	NT	**0.57**	<0.003	NT	NT	NT	NT	NT	NT	NT	NT
	8/17/2002	**1,480**	ND	ND	**31.8**	**51.9**	ND	NT	**0.74**	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/18/2003	**874**	**2.7**	**1.9**	**31.0**	**46.1**	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/6/2004	**1,760**	**2.1**	<1.0	**35.3**	**79.6**	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	8/22/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/28/2005	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	**1,300**	**1.9**	<1	**9.9**	**74**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	**1,500**	**2.4**	**3.3**	**13.0**	**77**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	**900**	**1.9**	**2.6**	**6.1**	**77**	**1**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	**102**	1	**1**	**4.02**	**59.50**	**2**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/12/2009	**839**	<5.0	**20.1**	**4.0J**	**45.3**	**43.9**	**8.9**	<0.019	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	**54.8**	<5.0	<5.0	<10.0	**65.4**	<5.0	**22.6**	<0.019	NT	**1,680**	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/21/2011	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	8/1/2013	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	1/20/2015	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	2/9/2016	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/1/2018	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-21	8/20/2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<0.020	**0.86**	NT	NT	NT	NT	NT	NT	NT	NT
	8/18/2002	ND	ND	ND	ND	ND	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/18/2003	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/6/2004	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	<1	**1.9**	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/28/2005	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	<1	<1	<1	**1.5**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	<1	<1	<1	<1	**6**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/12/2009	<5.0	**2.9J**	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/21/2011	<250	<250	<250	<500	<250	<250	<250	<0.020	NT	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	8/1/2013	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	1/20/2015	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	2/9/2016	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/1/2018	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL

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JUNE 1, 2018 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6417
SCDHEC ID NUMBER 08932

Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (mg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	*RBSL 1,000*	*RBSL 700*	*RBSL 10,000*	*RBSL 25*	*RBSL 40*	*RBSL 5*	*RBSL 0.05*	*RBSL 15*	*RBSL 240*	*RBSL 128*	*RBSL NE*	*RBSL 1,400*	*RBSL NE*	*RBSL 150*	*RBSL 10,000*	*RBSL 47*
MW-22	8/20/2001	<5.0	**7.8**	<5.0	**8.0**	<5.0	<5.0	NT	<0.020	**0.38**	NT	NT	NT	NT	NT	NT	NT	NT
	8/18/2002	ND	ND	ND	ND	ND	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/18/2003	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/6/2004	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	<1	**1.9**	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/28/2005	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	<1	<1	<1	**2.5**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/12/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/21/2011	<10.0	<10.0	<10.0	<20.0	<10.0	<10.0	<10.0	<0.020	NT	<200	<20.0	<200	<200	<100	<10.0	<400	<20.0
	8/1/2013	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	1/20/2015	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	2/9/2016	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/1/2018	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-23	8/20/2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<0.020	**0.023**	NT	NT	NT	NT	NT	NT	NT	NT
	8/18/2002	ND	ND	ND	ND	ND	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/18/2003	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/6/2004	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	<1	**1.0**	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/28/2005	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	<1	<1	<1	**1.6**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/12/2009	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/21/2011	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/1/2013	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	1/20/2015	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	2/9/2016	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	3/15/2016	<0.21	<0.24	<0.21	<0.32	<0.14	<0.23	<0.23	<0.0049	<4.7	<1.5	<0.25	<1.5	<2.3	<0.66	<0.26	<19	<0.13
	6/1/2018	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-24	8/20/2001	<5.0	<5.0	<5.0	**5.4**	<5.0	<5.0	NT	<0.019	**0.014**	NT	NT	NT	NT	NT	NT	NT	NT
	8/18/2002	ND	ND	ND	ND	ND	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/18/2003	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/6/2004	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/28/2005	<1	**1.6**	<1	**2.1**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/29/2006	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/12/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	9/2/2010	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/21/2011	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	8/1/2013	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	1/20/2015	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	2/9/2016	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	3/14/2016	<0.21	<0.24	<0.21	<0.32	<0.14	<0.23	<0.23	<0.0048	<4.7	<1.5	<0.25	<1.5	<2.3	<0.66	<0.26	<19	<0.13
	6/1/2018	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
JUNE 1, 2018 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6417
SCDHEC ID NUMBER 08932

Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (mg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	*RBSL 1,000*	*RBSL 700*	*RBSL 10,000*	*RBSL 25*	*RBSL 40*	*RBSL 5*	*RBSL 0.05*	*RBSL 15*	*RBSL 240*	*RBSL 128*	*RBSL NE*	*RBSL 1,400*	*RBSL NE*	*RBSL 150*	*RBSL 10,000*	*RBSL 47*
MW-25	7/18/2003	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/6/2004	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	<1	**1.7**	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	<1	**4.9**	<1	**4.3**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/12/2009	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019	NT	**63.7J**	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/21/2011	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/1/2013	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10	<100	<100	<100	<10	<1,000	<100
	1/20/2015	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.021	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	2/9/2016	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	3/9/2016	<0.21	<0.24	<0.21	<0.32	<0.14	<0.23	<0.23	<0.0047	<4.7	<1.5	<0.25	<1.5	<2.3	<0.66	<0.26	<19	<0.13
	6/1/2018	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-26	7/18/2003	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/6/2004	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	<1	**3.5**	<1	**2.9**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/28/2005	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/12/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	9/2/2010	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/21/2011	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	8/1/2013	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	1/20/2015	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	2/9/2016	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/1/2018	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-27	7/18/2003	ND	ND	ND	ND	ND	**2.0**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/6/2004	<1.0	<1.0	<1.0	<1.0	<5.00	**1.1**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	<1	**2.1**	<1	**2.2**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/28/2005	<1	<1	<1	**1.0**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	<1	<1	<1	**2.5**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/12/2009	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.024	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/21/2011	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.021	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/1/2013	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	1/20/2015	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	2/9/2016	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/1/2018	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
JUNE 1, 2018 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6417
SCDHEC ID NUMBER 08932

Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (mg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	*RBSL 1,000*	*RBSL 700*	*RBSL 10,000*	*RBSL 25*	*RBSL 40*	*RBSL 5*	*RBSL 0.05*	*RBSL 15*	*RBSL 240*	*RBSL 128*	*RBSL NE*	*RBSL 1,400*	*RBSL NE*	*RBSL 150*	*RBSL 10,000*	*RBSL 47*
MW-28	3/17/2010	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/21/2011	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/1/2013	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.021	NT	**14J**	<10	<100	<100	<100	<10	<1,000	<100
	1/20/2015	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	2/9/2016	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	3/10/2016	<0.21	<0.24	<0.21	<0.32	<0.14	<0.23	<0.23	<0.0047	<4.7	<1.5	<0.25	<1.5	**<2.3**	<0.66	<0.26	<19	<0.13
	6/1/2018	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
TFR-1	9/2/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/1/2013	**2,200J**	**35,000**	**3,200**	**19,000**	**1,400J**	**220J**	**<2,500**	**78**	NT	<50,000	<5,000	<50,000	<50,000	<50,000	<5,000	<50,000	<50,000
	1/20/2015	**2,510**	**33,900**	**3,230**	**21,800**	**346**	**109**	<50.0	**78.3**	NT	<1,000	**162**	<1,000	<1,000	<500	<50.0	<2,000	<100
	2/9/2016	**479**	**6,640**	**616**	**13,400**	**239**	<200	<200	**27.9**	NT	<4,000	<400	<4,000	<4,000	**<2,000**	<200	<800	<400
	6/1/2018	**954**	**19,100**	**1,920**	**19,400**	**300J**	<625	<625	**48.2**	NT	<12,500	<1,250	<12,500	<12,500	<6,250	<625	<25,000	<1,250
TFR-2	9/2/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/1/2013	**3,100**	**18,000**	**440J**	**24,000**	**670J**	<1,000	<1,000	**11**	NT	**2,800J**	<2,000	<20,000	<20,000	<20,000	<2,000	<200,000	<20,000
	1/20/2015	**49.2**	**45.9**	<5.0	**286**	<5.0	**8.1**	**<5.0**	**0.31**	NT	**448**	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	2/9/2016	**209**	**1,870**	**105**	**2,660**	**47.9**	**6.2**	<5.0	**0.23**	NT	**82.2J**	**4.1J**	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/2018	**41.3**	**341**	**38.3**	**611**	**21.2**	<10.0	<10.0	**0.051**	NT	<200	<20.0	<200	<200	<100	<10.0	<400	<20.0
TFR-3	9/2/2010*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/21/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/1/2013	**7,900**	**23,000**	**820J**	**20,000**	**790J**	<1,000	<1,000	**110**	NT	**3,600J**	<2,000	<20,000	<20,000	<20,000	**<2,000**	<200,000	<20,000
	1/20/2015	**569**	**2,090**	**112**	**9,370**	**170**	<50.0	**28.5J**	**42.0**	NT	<1,000	<100	<1,000	<1,000	<500	**<50.0**	<2,000	<100
	2/9/2016	**3,250**	**10,800**	**363**	**11,200**	**225**	**<125**	**<125**	**78.2**	NT	<2,500	**<250**	<2,500	<2,500	<1,250	**<125**	<5,000	<250
	6/1/2018	**1,770**	**4,790**	**170J**	**6,680**	**112J**	<200	<200	**42.0**	NT	<4,000	<400	<4,000	<4,000	<2,000	<200	<8,000	<400
TFR-4	9/2/2010*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/21/2011*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	8/1/2013	**5,700**	**39,000**	**5,200**	**39,000**	**940J**	**110J**	**130J**	**85**	NT	<20,000	<2,000	<20,000	<20,000	**<20,000**	**<2,000**	<200,000	<20,000
	1/20/2015	**4,350**	**21,200**	**1,840**	**23,200**	<1,250	**58.5**	**18.9**	**113**	NT	**742**	**58.6**	<100	**94.5J**	**<50.0**	**<5.0**	<200	<10.0
	2/9/2016	**3,400**	**12,400**	**1,110**	**18,100**	**587**	<500	<500	**30.3**	NT	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
	6/1/2018	**77.3**	**363**	**37.2J**	**2,560**	**119**	<50.0	<50.0	**5.9**	NT	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
TFR-5	9/2/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/1/2013	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	1/20/2015	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	2/9/2016	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	6/1/2018	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
TFR-6	9/2/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/1/2013	**11,000**	**53,000**	**3,600**	**22,000**	**1,600J**	<2,500	<2,500	**150**	NT	**11,000J**	<5,000	<50,000	<50,000	<50,000	<5,000	<500,000	<50,000
	1/20/2015*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	2/9/2016	**9,950**	**49,300**	**3,290**	**20,400**	**495**	**<250**	**130J**	**209**	NT	**5,260**	<500	<5,000	<5,000	**<2,500**	**<250**	<10,000	<500
	6/1/2018	**6,350**	**32,700**	**2,630**	**18,200**	**553J**	<1,000	<1,000	**66.3**	NT	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
TFR-7	9/2/2010*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/21/2011*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	8/1/2013	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	1/20/2015	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	2/9/2016	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	6/1/2018	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned

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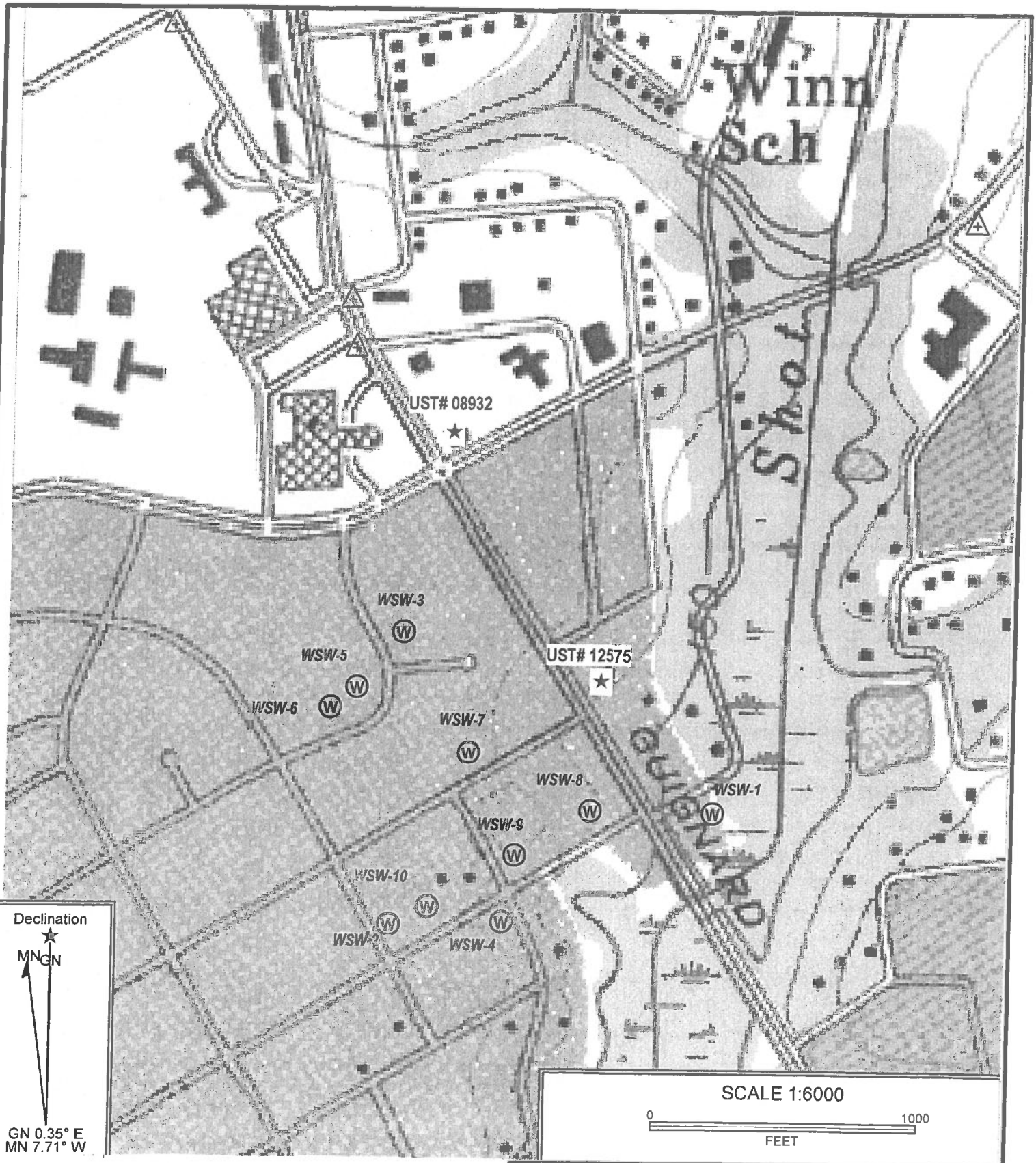
JUNE 1, 2018 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6417
SCDHEC ID NUMBER 08932

Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (mg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	*RBSL 1,000*	*RBSL 700*	*RBSL 10,000*	*RBSL 25*	*RBSL 40*	*RBSL 5*	*RBSL 0.05*	*RBSL 15*	*RBSL 240*	*RBSL 128*	*RBSL NE*	*RBSL 1,400*	*RBSL NE*	*RBSL 150*	*RBSL 10,000*	*RBSL 47*
TFR-8	9/2/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/1/2013	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	1/20/2015	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	2/9/2016	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	6/1/2018	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
TFR-9	9/2/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/1/2013	**2,600**	**5,400**	**550**	**3,600**	**170J**	<250	**170J**	**35**	NT	**3,100J**	**99J**	<5,000	<5,000	<5,000	**<500**	<50,000	<5,000
	1/20/2015	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	2/9/2016	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/1/2018	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
TFR-10	9/2/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/1/2013	**15,000**	**32,000**	**2,100**	**12,000**	<1,000	<1,000	**990J**	**67**	NT	**16,000J**	<2,000	<20,000	<20,000	<20,000	<2,000	<200,000	<20,000
	1/20/2015	**3,280**	**7,400**	**565**	**4,100**	**108**	<5.0	**92.5**	**14.7**	NT	**9,810**	<10.0	<100	250	<50.0	**<5.0**	<200	<10.0
	2/9/2016	**96.7**	**149**	**19.3**	**155**	**5.9**	<5.0	**16.5**	**6.1**	NT	**315**	<10.0	<100	<100	<50.0	**<5.0**	<200	<10.0
	6/1/2018	**23.9**	**69.1**	**6.2**	**40.1**	<5.0	<5.0	**2.7J**	**0.40**	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
TFR-11	9/2/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/1/2013	**22,000**	**50,000**	**3,100**	**18,000**	**1,500J**	**1,500J**	**1,200J**	**400**	NT	**26,000J**	**210J**	<50,000	<50,000	<50,000	<5,000	<500,000	<50,000
	1/20/2015	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	2/9/2016	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/1/2018	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
TFR-12	9/2/2010*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/21/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/1/2013*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	1/20/2015	**7,840**	**23,600**	**1,180J**	**8,060**	<2,500	**<5.0**	**141**	**127**	NT	<50,000	<10.0	<100	<100	<50.0	**<5.0**	**<200**	<10.0
	2/9/2016	**2,110**	**6,460**	**392**	**2,930**	<250	**<250**	**110J**	**57.6**	NT	<5,000	<500	<5,000	<5,000	**<2,500**	**<250**	<10,000	**<500**
	6/1/2018	**5,090**	**14,100**	**877**	**6,120**	<500	<500	<500	**62.4**	NT	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
MW-1R DUP.	1/20/2015	**1,030**	**20,100**	**2,950**	**14,800**	**375**	<50.0	<50.0	**3.1**	NT	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
MW-7 DUP.	1/20/2015	**14,700**	**50,900**	**4,160**	**28,100**	<2,500	**1,000**	<100	**154**	NT	**6,680**	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
MW-2 DUP.	2/9/2016	**17.8**	**8.4**	**138**	**108**	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-8 DUP.	2/9/2016	**1,510**	**13,000**	**791**	**9,450**	**511**	<500	<500	**18.9**	NT	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
DUP-1 (TFR-3)	6/1/2018	**1,610**	**4,430**	**168**	**6,410**	**98.4J**	<125	**<125**	**72.4**	NT	<2,500	**<250**	<2,500	<2,500	<1,250	**<125**	<5,000	<250
DUP-2 (TFR-6)	6/1/2018	**6,920**	**35,400**	**2,820**	**19,400**	**559J**	<1,000	<1,000	**79.3**	NT	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
Field Blank	1/20/2015	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	2/9/2016	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/2018	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
Trip Blank	8/31/2011	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	NT	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	2/9/2016	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	NT	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/2018	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0

Notes:

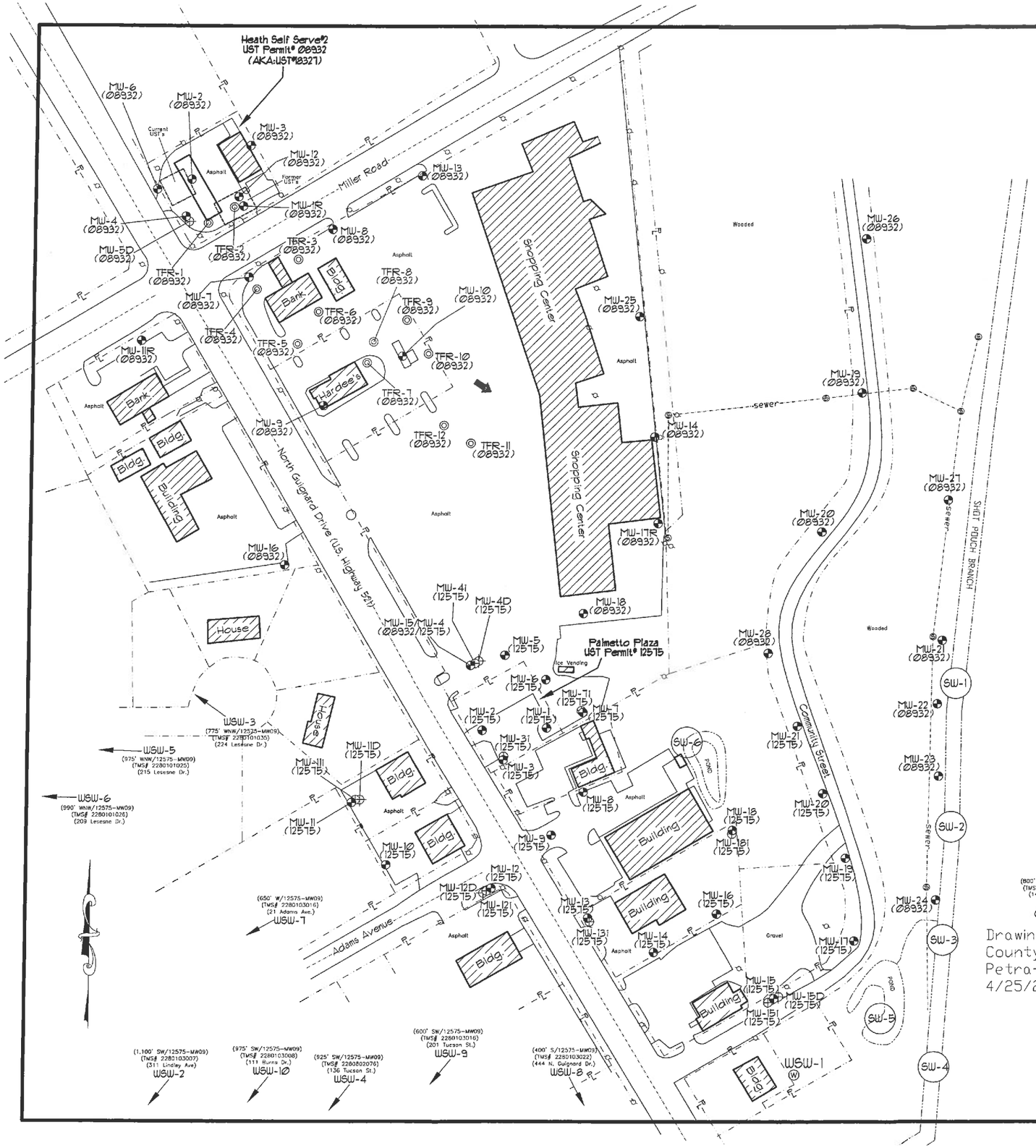
1. BDL = Below Practical Quantitative Limits
2. ug/l = micrograms per liter
3. mg/l = milligrams per liter
4. MTBE = Methyl-Tertiary-Butyl Ether
5. See Appendix for Laboratory Detection Limits
6. NL = Not Located
7. DRY = Well was Dry at the time of Sampling
8. NT = Not Tested.
9. EDB = Ethylene Dibromide
10. 1,2 DCA = 1,2-Dichloroethane
11. PROD = Free Phase Petroleum Product
12. * = Sample collected beneath Product
13. "J" Values used in Total BTEX Calculations
14. "J" values report concentrations above the method detection limits (MDL) and below actual reporting limit (RL).
15. B = Detected in Method Blank
16. S = MS/MSD Failure
17. P = The RPD between the two columns exceeds 40%.
18. DIPE = Diisopropyl Ether
19. ETBE = Ethyl ter-butyl Ether
20. TAA = tert-Amyl Alcohol
21. TAME = tert-Amyl Methyl Ether
22. TBA = ter-Butyl Alcohol
23. TBF = tert-Butyl Formate
24. ETBA = 3,3-Dimethyl-1-Butanol
25. ABD. = Well Has been Abandoned
26. OBS = Well Obstructed

FIGURES



Reference: Sumter East, South Carolina
USGS 7.5 Min. Quad
Contour Interval – 10 Feet

Midlands Environmental Consultants, Inc.	Site Location
Heath Self Serve 2 501 North Guignard Drive, Sumter, SC SCDHEC Site ID# 08932	
Figure 1	MECI 18-6417



Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of Double Cased "Deep" Monitoring Well
- Location of "Intermediate" Monitoring Well
- Location of 4-Inch Recovery Well
- Location of Water Supply Well
- (SW) Location of Surface Water Sample Collection
- Estimated Groundwater Flow Direction
- Estimated Location of Removed Underground Storage Tanks
- Estimated Location of Existing Underground Storage Tanks
- —P— Property Line
- sewer Buried Sewer
- stream Stream

Drawing Based on MECI Field Notes, Sumter County GIS Imagery and Figures by Petra-Tech Environmental, LLC., dated 4/25/2016.

GRAPHIC SCALE

0 90 180 270 360

1IN = 180FT

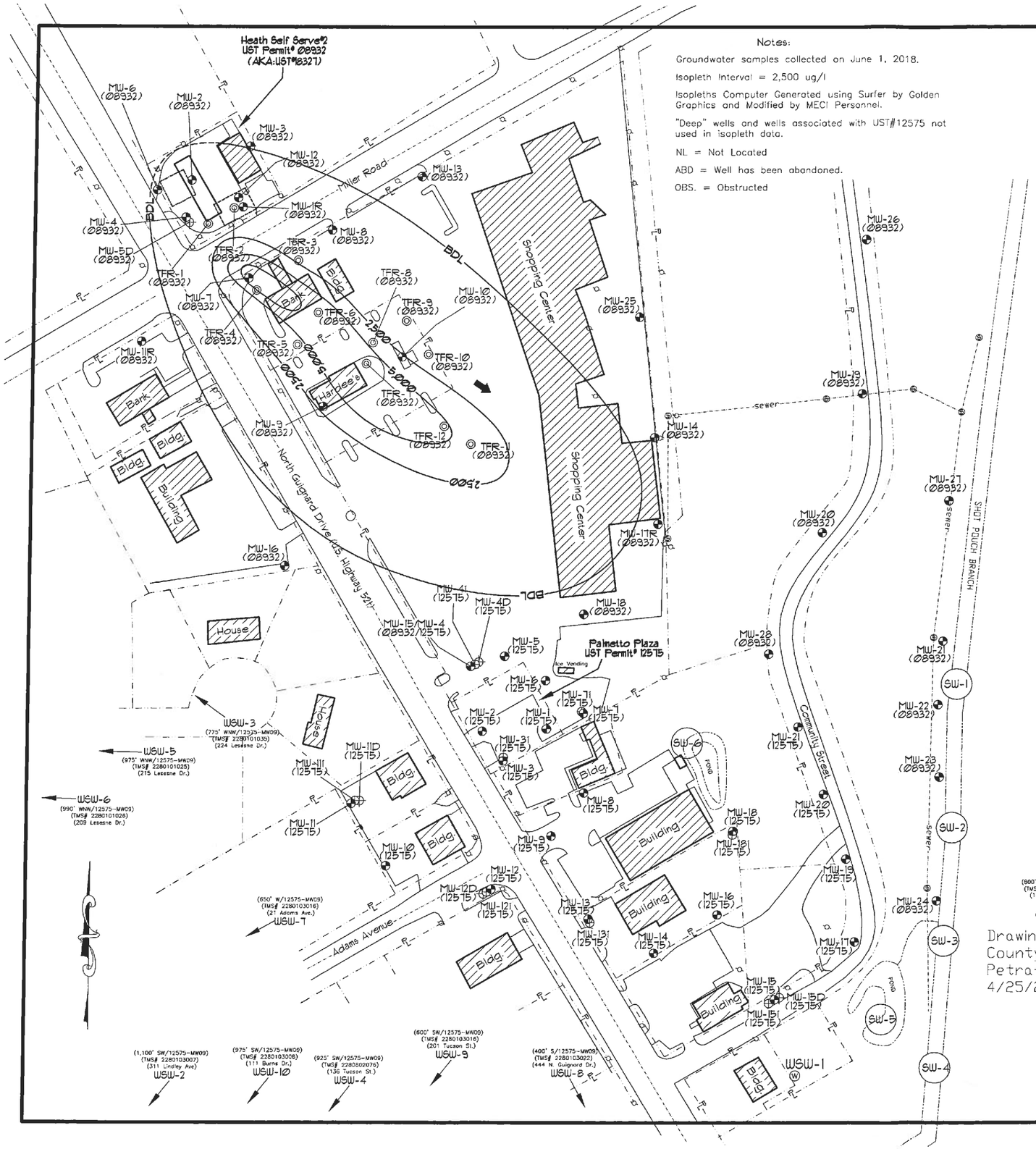
ALL LOCATIONS ARE APPROXIMATE

Site Base Map

HQ Heath Self Serve #2
501 North Guignard Drive
Sumter, South Carolina
SCDHEC Site ID 08932

Midlands Environmental Consultants, Inc.

JOB NO. 18-6417
DATE June 28, 2018
FIGURE 2



Notes:

Groundwater samples collected on June 1, 2018.

Isopleth Interval = 2,500 ug/l

Isopleths Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.

"Deep" wells and wells associated with UST#12575 not used in isopleth data.

NL = Not Located

ABD = Well has been abandoned.

OBS. = Obstructed

Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of 4-inch Recovery Well
- Location of Double Cased "Deep" Monitoring Well
- Location of Water Supply Well
- Location of "Intermediate" Monitoring Well
- SW — Location of Surface Water Sample Collection
- Benzene Concentration Isopleth (ug/l)

Groundwater COC Concentration Data

Sample #	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Total Xylenes (ug/l)	Naphthalene (ug/l)	MTBE (ug/l)	12 DCA (ug/l)	EDB (ug/l)
MW-1R	750	16,700	4,410	22,600	873	<500	<500	0.77
MW-2	170	39.9	25.0	22.5	<5.0	<5.0	<5.0	<0.019
MW-3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-4	OBS.	OBS.	OBS.	OBS.	OBS.	OBS.	OBS.	OBS.
MW-5D	72.0	<5.0	<5.0	10.1	8.5	30.9	<5.0	0.022
MW-6	8.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-7	9,330	34,500	2,600	23,200	719J	462J	<1,000	320
MW-8	1,340	17,900	1,880	14,500	517	<500	<500	11.4
MW-9	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
MW-10	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
MW-11R	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-12	96.6	1,030	95.7	2,890	123	<50.0	<50.0	0.028
MW-13	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-14	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.051
MW-16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-17R	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-19	NL	NL	NL	NL	NL	NL	NL	NL
MW-20	NL	NL	NL	NL	NL	NL	NL	NL
MW-21	NL	NL	NL	NL	NL	NL	NL	NL
MW-22	NL	NL	NL	NL	NL	NL	NL	NL
MW-23	NL	NL	NL	NL	NL	NL	NL	NL
MW-24	NL	NL	NL	NL	NL	NL	NL	NL
MW-25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-26	NL	NL	NL	NL	NL	NL	NL	NL
MW-27	NL	NL	NL	NL	NL	NL	NL	NL
MW-28	NL	NL	NL	NL	NL	NL	NL	NL
TFR-1	954	19,100	1,920	19,400	300J	<625	<625	48.2
TFR-2	41.3	341	38.3	611	21.2	<10.0	<10.0	0.051
TFR-3	1,770	4,790	170J	6,680	112J	<200	<200	42.0
TFR-4	77.3	363	37.2J	2,560	119	<50.0	<50.0	5.9
TFR-5	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
TFR-6	6,350	32,700	2,630	18,200	553J	<1,000	<1,000	66.3
TFR-7	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
TFR-8	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
TFR-9	NL	NL	NL	NL	NL	NL	NL	NL
TFR-10	23.9	69.1	6.2	40.1	<5.0	<5.0	2.7J	0.40
TFR-11	NL	NL	NL	NL	NL	NL	NL	NL
TFR-12	5,090	14,100	877	6,120	<500	<500	<500	62.4
DUP-1(TFR-3)	1,610	4,430	168	6,410	98.4J	<125	<125	72.4
DUP-2(TFR-6)	6,920	35,400	2,820	19,400	559J	<1,000	<1,000	79.3
Field Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
Trip Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT

Drawing Based on MECI Field Notes, Sumter County GIS Imagery and Figures by Petra-Tech Environmental, LLC., dated 4/25/2016.

GRAPHIC SCALE

0 90 180 270 360

1IN = 180FT

ALL LOCATIONS ARE APPROXIMATE

Groundwater CoC Site Map
(Benzene Isopleth)

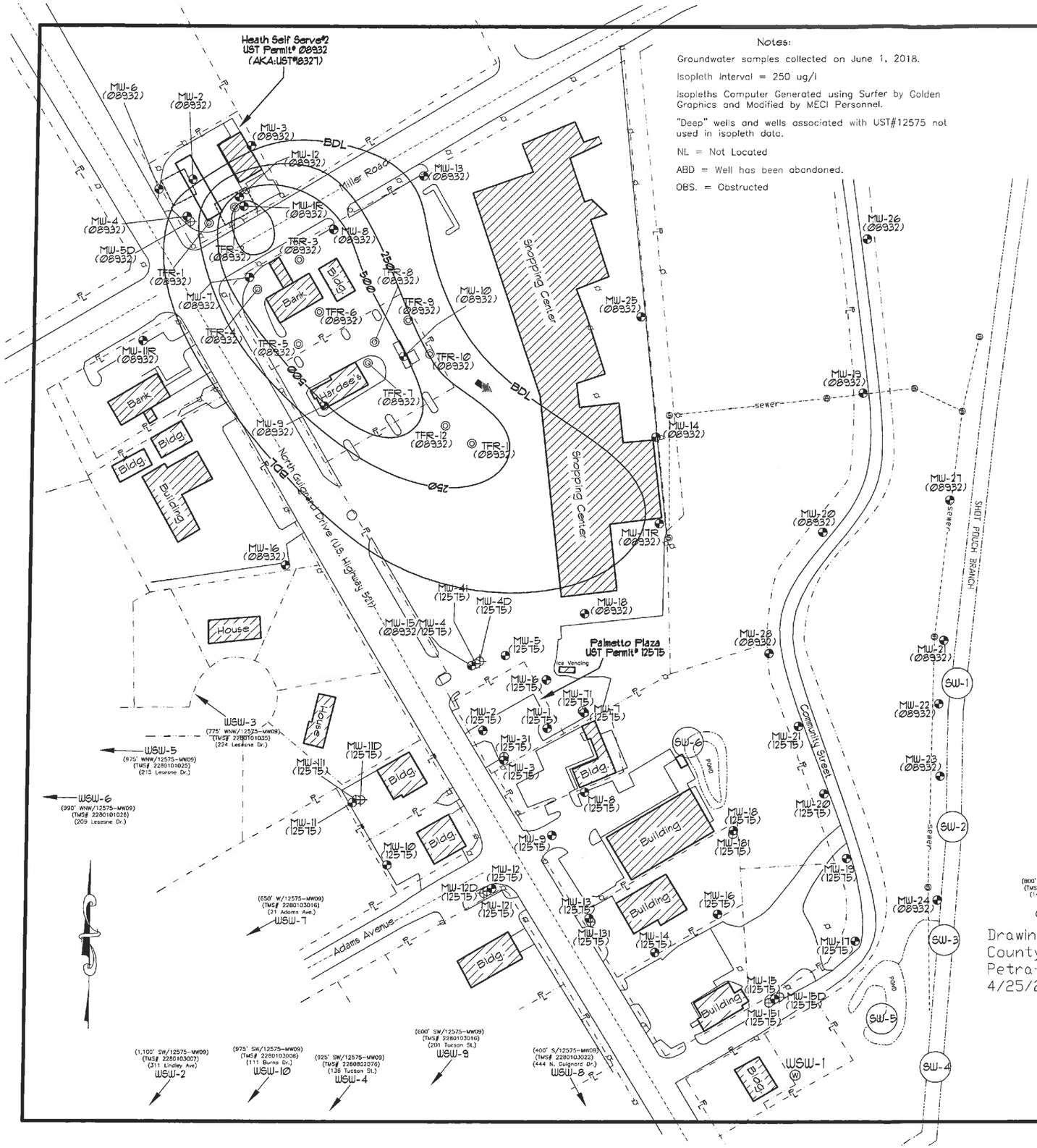
HQ Heath Self Serve #2
501 North Guignard Drive
Sumter, South Carolina
SCDHEC Site ID 08932

Midlands Environmental Consultants, Inc.

JOB NO. 18-6417

DATE June 28, 2018

FIGURE 4



Notes:

Groundwater samples collected on June 1, 2018.

Isopleth Interval = 250 ug/l

Isopleths Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.

"Deep" wells and wells associated with UST#12575 not used in isopleth data.

NL = Not Located

ABD = Well has been abandoned.

OBS. = Obstructed

Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of 4-inch Recovery Well
- Location of Double Cased "Deep" Monitoring Well
- Location of Water Supply Well
- Location of "Intermediate" Monitoring Well
- SW — Location of Surface Water Sample Collection
- Naphthalene Concentration Isopleth (ug/l)

Groundwater COC Concentration Data

Sample #	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Total Xylenes (ug/l)	Naphthalene (ug/l)	MTBE (ug/l)	1,2 DCA (ug/l)	EDB (ug/l)
MW-1R	750	16,700	4,410	22,600	873	<500	<500	0.77
MW-2	170	39.9	25.0	22.5	<5.0	<5.0	<5.0	<0.019
MW-3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-4	OBS.	OBS.	OBS.	OBS.	OBS.	OBS.	OBS.	OBS.
MW-5D	72.0	<5.0	<5.0	10.1	8.5	30.9	<5.0	0.022
MW-6	8.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-7	9,330	34,500	2,600	23,200	719J	462J	<1,000	320
MW-8	1,340	17,900	1,880	14,500	517	<500	<500	11.4
MW-9	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
MW-10	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
MW-11R	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-12	96.6	1,030	95.7	2,890	123	<50.0	<50.0	0.028
MW-13	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-14	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.051
MW-16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-17R	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-19	NL	NL	NL	NL	NL	NL	NL	NL
MW-20	NL	NL	NL	NL	NL	NL	NL	NL
MW-21	NL	NL	NL	NL	NL	NL	NL	NL
MW-22	NL	NL	NL	NL	NL	NL	NL	NL
MW-23	NL	NL	NL	NL	NL	NL	NL	NL
MW-24	NL	NL	NL	NL	NL	NL	NL	NL
MW-25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-26	NL	NL	NL	NL	NL	NL	NL	NL
MW-27	NL	NL	NL	NL	NL	NL	NL	NL
MW-28	NL	NL	NL	NL	NL	NL	NL	NL
TFR-1	954	19,100	1,920	19,400	300J	<625	<625	48.2
TFR-2	41.3	341	38.3	611	21.2	<10.0	<10.0	0.051
TFR-3	1,770	4,790	170J	6,680	112J	<200	<200	42.0
TFR-4	77.3	363	37.2J	2,560	119	<50.0	<50.0	5.9
TFR-5	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
TFR-6	6,350	32,700	2,630	18,200	553J	<1,000	<1,000	66.3
TFR-7	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
TFR-8	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
TFR-9	NL	NL	NL	NL	NL	NL	NL	NL
TFR-10	23.9	69.1	6.2	40.1	<5.0	<5.0	2.7J	0.40
TFR-11	NL	NL	NL	NL	NL	NL	NL	NL
TFR-12	5,090	14,100	877	6,120	<500	<500	<500	62.4
DUP-1(TFR-3)	1,610	4,430	168	6,410	98.4J	<125	<125	72.4
DUP-2(TFR-6)	6,920	35,400	2,820	19,400	559J	<1,000	<1,000	79.3
Field Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
Trip Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT

Drawing Based on MECI Field Notes, Sumter County GIS Imagery and Figures by Petra-Tech Environmental, LLC., dated 4/25/2016.

GRAPHIC SCALE

0 90 180 270 360

1IN = 180FT

ALL LOCATIONS ARE APPROXIMATE

Groundwater CoC Site Map
(Naphthalene Isopleth)

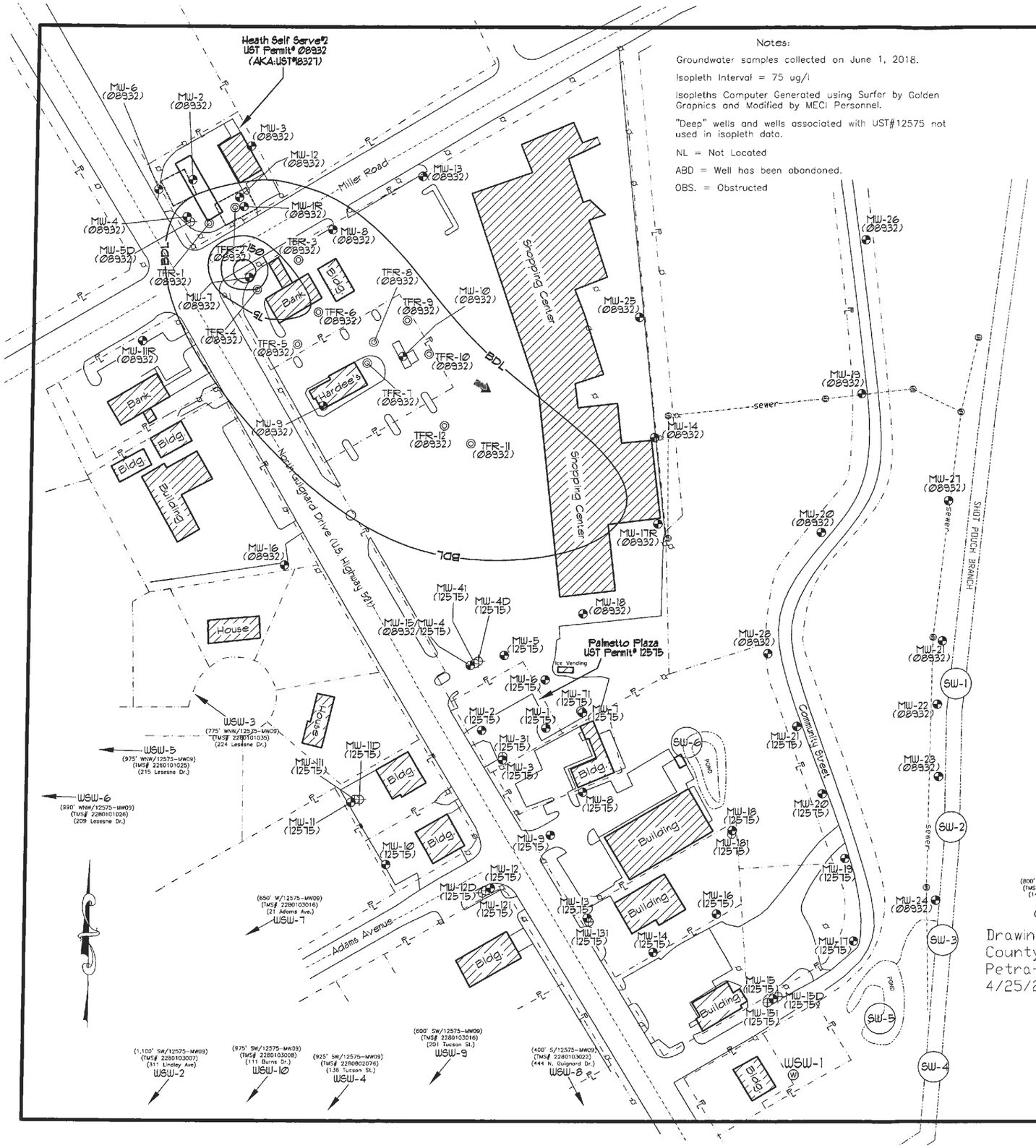
HQ Heath Self Serve #2
501 North Guignard Drive
Sumter, South Carolina
SCDHEC Site ID 08932

Midlands Environmental Consultants, Inc.

JOB NO. 18-6417

DATE June 28, 2018

FIGURE 4A



Notes:

Groundwater samples collected on June 1, 2018.

Isopleth Interval = 75 ug/l

Isopleths Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.

"Deep" wells and wells associated with UST#12575 not used in isopleth data.

NL = Not Located

ABD = Well has been abandoned.

OBS. = Obstructed

Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of Double Cased "Deep" Monitoring Well
- Location of "Intermediate" Monitoring Well
- Location of 4-Inch Recovery Well
- Location of Water Supply Well
- SW — Location of Surface Water Sample Collection
- EDB Concentration Isopleth (ug/l)

Groundwater COC Concentration Data

Sample #	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Total Xylenes (ug/l)	Naphthalene (ug/l)	MTBE (ug/l)	12 DCA (ug/l)	EDB (ug/l)
MW-1R	750	16,700	4,410	22,600	873	<500	<500	0.77
MW-2	170	39.9	25.0	22.5	<5.0	<5.0	<5.0	<0.019
MW-3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-4	OBS.	OBS.	OBS.	OBS.	OBS.	OBS.	OBS.	OBS.
MW-5D	72.0	<5.0	<5.0	10.1	8.5	30.9	<5.0	0.022
MW-6	8.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-7	9,330	34,500	2,600	23,200	719J	462J	<1,000	320
MW-8	1,340	17,900	1,880	14,500	517	<500	<500	11.4
MW-9	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
MW-10	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
MW-11R	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-12	96.6	1,030	95.7	2,890	123	<50.0	<50.0	0.028
MW-13	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-14	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.051
MW-16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-17R	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-19	NL	NL	NL	NL	NL	NL	NL	NL
MW-20	NL	NL	NL	NL	NL	NL	NL	NL
MW-21	NL	NL	NL	NL	NL	NL	NL	NL
MW-22	NL	NL	NL	NL	NL	NL	NL	NL
MW-23	NL	NL	NL	NL	NL	NL	NL	NL
MW-24	NL	NL	NL	NL	NL	NL	NL	NL
MW-25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-26	NL	NL	NL	NL	NL	NL	NL	NL
MW-27	NL	NL	NL	NL	NL	NL	NL	NL
MW-28	NL	NL	NL	NL	NL	NL	NL	NL
TFR-1	954	19,100	1,920	19,400	300J	<625	<625	48.2
TFR-2	41.3	341	38.3	611	21.2	<10.0	<10.0	0.051
TFR-3	1,770	4,790	170J	6,680	112J	<200	<200	42.0
TFR-4	77.3	363	37.2J	2,560	119	<50.0	<50.0	5.9
TFR-5	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
TFR-6	6,350	32,700	2,630	18,200	553J	<1,000	<1,000	66.3
TFR-7	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
TFR-8	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
TFR-9	NL	NL	NL	NL	NL	NL	NL	NL
TFR-10	23.9	69.1	6.2	40.1	<5.0	<5.0	2.7J	0.40
TFR-11	NL	NL	NL	NL	NL	NL	NL	NL
TFR-12	5,090	14,100	877	6,120	<500	<500	<500	62.4
DUP-1(TFR-3)	1,610	4,430	168	6,410	98.4J	<125	<125	72.4
DUP-2(TFR-6)	6,920	35,400	2,820	19,400	559J	<1,000	<1,000	79.3
Field Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
Trip Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT

Drawing Based on MECI Field Notes, Sumter County GIS Imagery and Figures by Petra-Tech Environmental, LLC., dated 4/25/2016.

GRAPHIC SCALE

0 90 180 270 360

1IN = 180FT

ALL LOCATIONS ARE APPROXIMATE

Groundwater CoC Site Map
(EDB Isopleth)

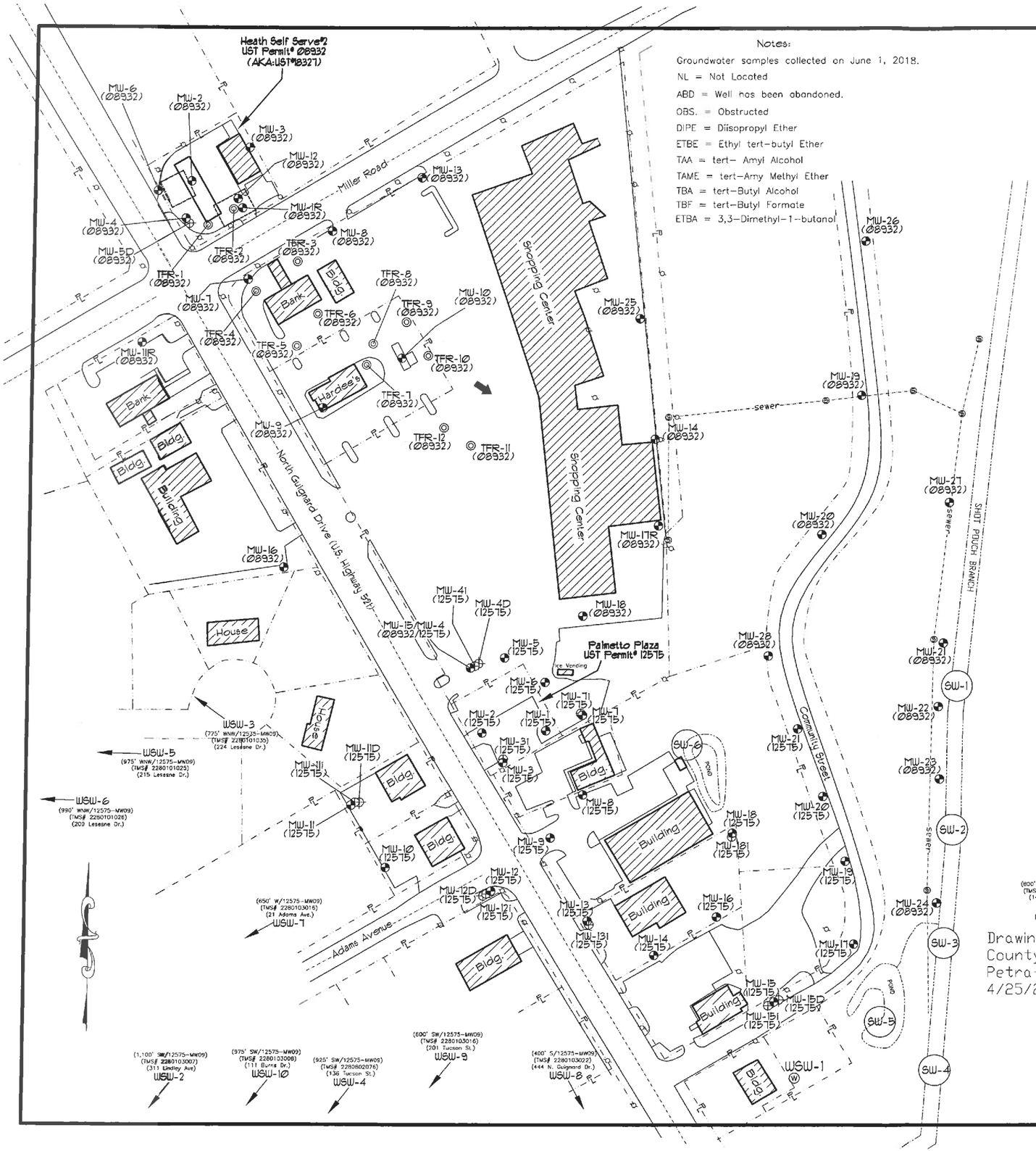
HQ Heath Self Serve #2
501 North Guignard Drive
Sumter, South Carolina
SCDHEC Site ID 08932

Midlands Environmental Consultants, Inc.

JOB NO. 18-6417

DATE June 28, 2018

FIGURE 4B



Drawing Based on MECI Field Notes, Sumter County GIS Imagery and Figures by Petra-Tech Environmental, LLC., dated 4/25/2016.

GRAPHIC SCALE

0 90 180 270 360

1IN = 180FT

ALL LOCATIONS ARE APPROXIMATE

Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of 4-Inch Recovery Well
- Location of Double Cased "Deep" Monitoring Well
- Location of Water Supply Well
- Location of "Intermediate" Monitoring Well
- SW — Location of Surface Water Sample Collection

Groundwater CoC Concentration Data - Oxygenates

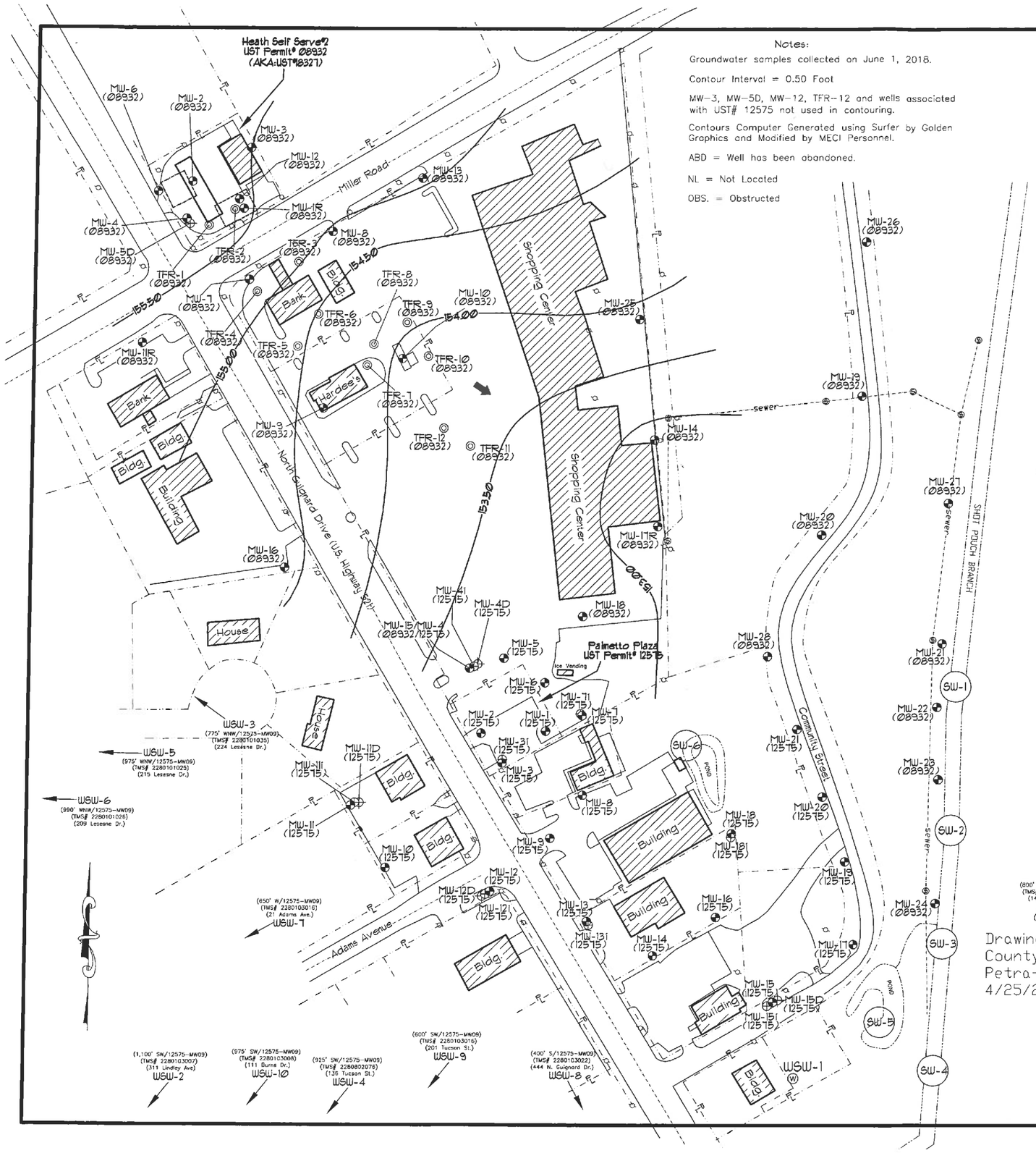
Sample #	TAA (ug/l)	TAME (ug/l)	ETBA (ug/l)	TBA (ug/l)	TBF (ug/l)	DIPE (ug/l)	Ethanol (ug/l)	ETBE (ug/l)
MW-1R	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
MW-2	<100	<10.0	<100	<100	<50.0	3.7J	<200	<10.0
MW-3	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-4	OBS.	OBS.	OBS.	OBS.	OBS.	OBS.	OBS.	OBS.
MW-5D	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-6	<100	<10.0	<100	<100	<50.0	2.0J	<200	<10.0
MW-7	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
MW-8	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
MW-9	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
MW-10	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
MW-11R	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-12	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
MW-13	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-14	252	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-15	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-16	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-17R	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-18	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-19	NL	NL	NL	NL	NL	NL	NL	NL
MW-20	NL	NL	NL	NL	NL	NL	NL	NL
MW-21	NL	NL	NL	NL	NL	NL	NL	NL
MW-22	NL	NL	NL	NL	NL	NL	NL	NL
MW-23	NL	NL	NL	NL	NL	NL	NL	NL
MW-24	NL	NL	NL	NL	NL	NL	NL	NL
MW-25	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-26	NL	NL	NL	NL	NL	NL	NL	NL
MW-27	NL	NL	NL	NL	NL	NL	NL	NL
MW-28	NL	NL	NL	NL	NL	NL	NL	NL
TFR-1	<12,500	<1,250	<12,500	<12,500	<6,250	<625	<25,000	<1,250
TFR-2	<200	<20.0	<200	<200	<100	<10.0	<400	<20.0
TFR-3	<4,000	<400	<4,000	<4,000	<2,000	<200	<8,000	<400
TFR-4	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
TFR-5	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
TFR-6	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
TFR-7	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
TFR-8	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
TFR-9	NL	NL	NL	NL	NL	NL	NL	NL
TFR-10	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
TFR-11	NL	NL	NL	NL	NL	NL	NL	NL
TFR-12	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
DUP-1(TFR-3)	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
DUP-2(TFR-6)	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
Field Blank	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
Trip Blank	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0

Groundwater CoC Site Map
(Oxygenates)

HQ Heath Self Serve #2
501 North Guignard Drive
Sumter, South Carolina
SCDHEC Site ID 08932

Midlands Environmental Consultants, Inc.

JOB NO. 18-6417
DATE June 28, 2018
FIGURE 4C



Notes:

Groundwater samples collected on June 1, 2018.

Contour Interval = 0.50 Foot

MW-3, MW-5D, MW-12, TFR-12 and wells associated with UST# 12575 not used in contouring.

Contours Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.

ABD = Well has been abandoned.

NL = Not Located

OBS. = Obstructed

——— Groundwater Elevation Contour (feet)

Heath Self Serve 2 (UST# Ø8932) Potentiometric Data

Well #	Screened Interval (ft)	Depth to Water (ft)	Well Head Elevation	Groundwater Elevation
MW-1R	13-23	16.22	171.85	155.63
MW-2	14-24	16.10	171.75	155.65
MW-3	14-24	7.85	173.70	165.85
MW-4	14-24	Obstructed	171.17	Obstructed
MW-5D	40-45	16.00	171.15	155.15
MW-6	12-22	15.34	171.25	155.91
MW-7	12-22	16.01	171.23	155.22
MW-8	13-23	17.88	172.15	154.27
MW-9	13-23	Abandoned	170.53	Abandoned
MW-10	13-23	Abandoned	170.31	Abandoned
MW-11R	13-23	14.97	170.33	155.36
MW-12	10-30	16.71	169.21	152.50
MW-13	13-23	17.30	172.43	155.13
MW-14	10-20	11.21	164.01	152.80
MW-15	8-18	10.70	163.92	153.22
MW-16	10-20	12.12	166.77	154.65
MW-17R	10-20	11.02	163.81	152.79
MW-18	10-20	11.71	165.04	153.33
MW-19	3-13	NL	149.34	NL
MW-20	3-13	NL	173.24	NL
MW-21	3-8	NL	145.46	NL
MW-22	3-13	NL	145.86	NL
MW-23	3-13	NL	145.47	NL
MW-24	3-13	NL	144.62	NL
MW-25	6-16	8.50	162.47	153.97
MW-26	5-15	NL	150.23	NL
MW-27	6-16	NL	146.19	NL
MW-28	2-12	NL	153.73	NL
TFR-1	TD:24.40'	15.87	171.56	155.69
TFR-2	TD:24.00'	16.50	172.02	155.52
TFR-3	TD:25.20'	16.23	171.48	155.25
TFR-4	TD:24.30'	16.20	171.35	155.15
TFR-5	TD:25.00'	Abandoned	171.34	Abandoned
TFR-6	TD:22.18'	16.57	171.03	154.46
TFR-7	TD:25.00'	Abandoned	170.92	Abandoned
TFR-8	TD:25.00'	Abandoned	170.74	Abandoned
TFR-9	TD:25.01'	NL	169.85	NL
TFR-10	TD:24.92'	15.17	168.99	153.82
TFR-11	TD:25.03'	NL	168.71	NL
TFR-12	TD:20.00'	14.48	172.28	157.80

Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of Double Cased "Deep" Monitoring Well
- Location of "Intermediate" Monitoring Well
- Location of 4-Inch Recovery Well
- (W) Location of Water Supply Well
- (SW) Location of Surface Water Sample Collection
- Estimated Groundwater Flow Direction
- Estimated Location of Removed Underground Storage Tanks
- Estimated Location of Existing Underground Storage Tanks

Drawing Based on MECI Field Notes, Sumter County GIS Imagery and Figures by Petra-Tech Environmental, LLC., dated 4/25/2016.

GRAPHIC SCALE

0 90 180 270 360

1IN = 180FT

ALL LOCATIONS ARE APPROXIMATE

Potentiometric Data Site Map
(Groundwater Contour)

HQ Heath Self Serve #2
501 North Guignard Drive
Sumter, South Carolina
SCDHEC Site ID Ø8932

Midlands Environmental Consultants, Inc.

JOB NO. 18-6417
DATE June 28, 2018
FIGURE 5

APPENDIX A:

SITE SURVEY

(Not Applicable)

APPENDIX B:

SAMPLING LOGS, LABORATORY DATA SHEETS, & CHAIN-OF-CUSTODY FORMS

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: JF, KJ, AH

Sampling Date(s): 5/1/18

Sampling Case#: 2

Job Name: HQ Heath Self Serve 2

Job Number: 18-6417

Calibration Data for:

Calibration Successful? (Yes) or No (Please Circle)

pH: (Yes) No

Conductivity: (Yes) No

Dissolved Oxygen: (Yes) No

Turbidity: **Conductivity Calibrated Every 3 Months by QA Manager**

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-1R	Initial	12:25	5.81	99.8	24.0	1.83	16.47		16.22		12-22	5.78	.94	4.75 gallons	odor
	1st	12:26	5.74	100.2	23.5	1.79	30.63								
	2nd	12:27	5.70	100.3	23.1	1.70	57.21								
	3rd	12:28	5.68	100.7	22.8	1.65	76.86								
	4th	12:29	5.65	100.8	22.6	1.60	102.4								
	5th	12:30	5.66	100.8	22.1	1.59	90.86						4.71		
	Sampling														
MW-2	Initial	12:15	5.32	170.3	22.3	2.11	13.47		16.10		14-24	7.90	1.28	6.50 gallons	odor
	1st	12:16	5.30	168.5	21.9	2.08	23.14								
	2nd	12:17	5.27	168.1	21.5	2.05	30.69								
	3rd	12:18	5.25	167.9	21.3	2.01	47.17								
	4th	12:19	5.24	167.8	21.3	1.97	50.28								
	5th	12:20	5.23	167.8	20.9	1.95	59.33						6.43		
	Sampling														
MW-3	Initial	12:00	4.64	31.3	22.5	5.41	20.02		7.85		14-24	16.15	2.63	13.25 gallons	no odor
	1st	12:02	4.70	30.8	22.1	5.35	49.76								
	2nd	12:04	4.75	30.5	21.9	5.30	75.02								
	3rd	12:06	4.78	30.2	21.5	5.27	80.11								
	4th	12:08	4.79	30.1	21.1	5.20	85.34								
	5th	12:10	4.79	30.1	20.7	5.15	100.1						13.16		
	Sampling														
MW-4	Initial	13:10									14-24				
	1st		Well Gauged & Bailer												
	2nd														
	3rd		Checked to be Dry												
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height

One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: JF, KJ, AH

Sampling Date(s): 5/1118

Sampling Case#: 2

Job Name: HG Site Health Safe Save 2

Job Number: 18-6417

Calibration Data for :

Calibration Successful? (Yes) or No (Please Circle)

pH: (Yes) No

Conductivity: (Yes) No

Dissolved Oxygen: (Yes) No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-50	Initial	12:55	4.70	52.2	23.0	5.02	27.01		16.00		40-45	29.00	4.72	24.0 gallons	na odor
	1st	12:55	4.80	51.3	22.5	4.91	43.14								
	2nd	13:00	4.82	51.1	22.1	4.83	43.21								
	3rd	13:05	4.85	50.8	21.7	4.76	50.62								
	4th	13:10	4.86	50.7	21.5	4.53	41.36								
	5th	13:15	4.87	50.5	21.1	4.47	22.01								
	Sampling														
MW-6	Initial	12:35	5.64	92.5	24.0	.585	16.37		15.34		12-22	6.66	1.08	5.50 gallons	na odor
	1st	12:36	5.59	93.1	22.9	1.01	139.4								
	2nd	12:37	5.55	93.5	22.4	1.05	407.1								
	3rd	12:38	5.53	93.8	22.1	1.02	584.2								
	4th	12:39	5.52	94.1	21.7	.97	1011.2								
	5th	12:40	5.51	94.2	21.3	.195	553.9								
	Sampling														
MW-7	Initial	11:20	Sheen						16.01		12-22	5.99	.97	5.00 gallons	odor Sheen
	1st	11:41													
	2nd	11:42													
	3rd	11:44													
	4th	11:45													
	5th	11:46	Sheen												
	Sampling														
MW-4	Initial	11:00		Sheen					17.88		13-23	5.12	.83	4.25 gallons	odor Sheen
	1st	11:01													
	2nd	11:02													
	3rd	11:03													
	4th	11:04													
	5th	11:05		Sheen											
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height

One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	PH/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: JF, KJ, AM

Sampling Date(s): 5/11/18

Sampling Case#: 2

Job Name: HG Site Health Safe Serve 2

Job Number: 18-6417

Calibration Data for:

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Yes No

Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-11R	Initial	10:15	4.86	33.4	21.4	5.03	29.67		14.97		12-22	7.03	1.14	5.75 gallons	No odor
	1st	10:16	4.90	33.7	20.9	4.90	37.11								
	2nd	10:17	4.93	34.1	20.7	4.85	92.16								
	3rd	10:18	4.96	34.5	20.01	4.72	140.3								
	4th	10:19	4.97	34.8	19.8	4.64	121.9								
	5th	10:20	4.98	34.9	19.7	4.60	86.14						5.72		
	Sampling														
MW-12	Initial	12:00	5.26	25.4	23.9	2.57	15.37		16.71		10-20	3.29	.53	2.75 gallons	odor Sheen on rials
	1st	12:01	5.20	24.9	23.1	2.50	56.97								
	2nd	12:02	5.17	24.5	22.5	2.45	52.01								
	3rd	12:03	5.15	24.1	22.1	2.40	70.11								
	4th	12:04	5.14	23.2	21.7	2.35	83.45								
	5th	12:05	5.13	22.9	21.7	2.30	96.12						2.68		
	Sampling														
MW-13	Initial	11:00	5.15	28.3	23.5	6.55	20.47		17.30		13-23	5.70	.92	4.75 gallons	no odor
	1st	11:01	5.10	28.1	23.1	6.50	47.12								
	2nd	11:02	5.05	27.7	22.9	6.47	85.97								
	3rd	11:03	5.02	27.5	22.5	6.40	121.4								
	4th	11:04	5.01	27.2	22.1	6.35	150.6								
	5th	11:05	5.01	27.1	21.7	6.32	83.14						4.64		
	Sampling														
MW-14	Initial	9:46	4.98	69.9	21.0	3.61	24.14		11.21		10-20	8.79	1.43	7.50 gallons	no odor
	1st	9:42	5.01	70.1	20.7	3.65	50.32								
	2nd	9:44	5.05	70.5	20.1	3.59	74.06								
	3rd	9:46	5.08	71.2	19.9	3.50	171.6								
	4th	9:48	5.09	71.3	19.8	3.42	102.3								
	5th	9:50	5.09	71.3	19.7	3.38	53.49						7.16		
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height

One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: JF, KJ, AH

Sampling Date(s): 5/1/18

Sampling Case#: 2

Job Name: HG Site Health Safe Serve 2

Job Number: 18-6417

Calibration Data for :

Calibration Successful? (Yes) or No (Please Circle)

pH: (Yes) No

Conductivity: (Yes) No

Dissolved Oxygen: (Yes) No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-15	Initial	9:30	5.90	76.1	25.5	5.34	15.32		10.70		4.48	7.30	1.18	6.00 gallons	No odor
	1st	9:31	5.81	77.1	25.1	5.02	50.36								
	2nd	9:32	5.78	77.5	24.2	4.90	92.14								
	3rd	9:33	5.75	77.8	23.7	4.53	402.3								
	4th	9:34	5.74	77.9	23.2	4.21	521.1								
	5th	9:35	5.73	78.3	22.7	4.15	102.6						5.94		
	Sampling														
MW-16	Initial	10:15	4.89	43.9	21.2	6.53	22.49		12.12		10-20	7.88	1.28	6.50 gallons	No odor
	1st	10:17	4.82	44.5	20.9	6.15	80.36								
	2nd	10:19	4.79	44.7	20.8	5.95	71.49								
	3rd	10:19	4.75	45.1	20.5	5.87	137.4								
	4th	10:21	4.76	45.2	20.2	5.80	101.9								
	5th	10:22	4.76	45.3	19.9	5.62	77.21						6.47		
	Sampling														
MW-17R	Initial	9:40	5.43	61.7	23.3	3.88	20.47		11.62		10-20	8.98	1.46	7.50 gallons	No odor
	1st	9:42	5.39	60.2	22.9	3.79	49.16								
	2nd	9:44	5.35	59.8	22.5	3.76	52.43								
	3rd	9:46	5.33	59.5	22.1	3.65	101.4								
	4th	9:48	5.30	59.1	21.7	3.60	94.78								
	5th	9:50	5.31	58.7	21.5	3.54	80.21						7.31		
	Sampling														
MW-14	Initial	9:30	5.47	30.2	25.2	2.42	15.36		11.71		10-20	8.29	1.35	6.75 gallons	No odor
	1st	9:31	5.40	32.5	24.7	2.30	100.2								
	2nd	9:32	5.37	32.9	24.2	2.27	121.6								
	3rd	9:33	5.36	33.2	23.1	2.20	102.9								
	4th	9:34	5.36	33.5	22.9	2.17	73.64								
	5th	9:35	5.37	33.7	22.5	2.15	52.01						6.75		
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height

One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: JF, KJ, AH

Sampling Date(s): 5/11/18

Sampling Case#: 2

Job Name: HG Site Health Safe Save 2

Job Number: 18-6417

Calibration Data for:

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-19	Initial										13-23				
	1st														
	2nd		N/L	Not Constructed											
	3rd														
	4th														
	5th														
	Sampling														
MW-25	Initial	10:00	4.83	72.7	22.5	5.70	11.43		8.50		6-16	7.50	1.22	6.75 gallons	ADD cap no odor
	1st	10:01	4.90	72.1	22.1	5.62	70.19								
	2nd	10:02	4.93	71.5	21.6	5.53	53.26								
	3rd	10:03	4.97	71.2	21.2	5.44	70.20								
	4th	10:04	5.01	70.9	20.5	5.39	61.35								
	5th	10:05	5.02	70.8	20.3	5.35	42.05						6.11		
	Sampling														
MW-24	Initial		Not Located New Construction								2-12				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
TFR-1	Initial	12:40		Sheen					15.87		TD: 24.40	8.53	5.54	28.0 gallons	odor Sheen
	1st	12:45													
	2nd	12:50													
	3rd	12:55													
	4th	13:00													
	5th	13:05		Sheen									27.72		
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height

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Casing	Gallons
1"	0.047
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Sampling Case#	pH/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: JF, KJ, AH

Sampling Date(s): 5/1118

Sampling Case#: 2

Job Name: HQ Sea Health Self Serve 2

Job Number: 18-6417

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: (Yes) No

Conductivity: (Yes) No

Dissolved Oxygen: (Yes) No

Turbidity: (Yes) No

Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
TFR-2	Initial	12:10	5.17	60.8	23.8	2.15	30.18		16.50		TD: 24.00	7.50	4.87	24.50 gallons	Slight oda,
	1st	12:15	5.20	62.1	23.1	2.10	45.46								
	2nd	12:20	5.23	62.5	22.7	2.05	70.21								
	3rd	12:25	5.24	62.8	22.4	2.02	83.99								
	4th	12:30	5.25	63.1	22.1	2.01	101.4								
	5th	12:35	5.26	63.5	21.8	1.97	80.43						24.37		
	Sampling														
TFR-3	Initial	11:10	5.61	77.0	24.3	6.04	15.32		16.23		TD: 25.20	8.97	5.83	29.50 gallons	Dup 1 Slight oda
	1st	11:15	5.57	76.7	23.8	5.70	36.15								
	2nd	11:20	5.54	76.5	23.5	5.52	40.87								
	3rd	11:25	5.53	76.1	23.1	5.45	49.13								
	4th	11:30	5.52	75.9	22.8	5.40	86.21								
	5th	11:35	5.51	75.5	22.3	5.39	50.53						29.15		
	Sampling														
TFR-4	Initial	11:30	5.39	27.7	24.8	1.75	26.32		16.20		TD: 24.30	8.1	5.26	26.50 gallons	oda,
	1st	11:35	5.45	29.1	24.1	1.86	41.02								
	2nd	11:40	5.49	30.7	23.5	1.79	50.37								
	3rd	11:45	5.51	30.9	22.9	1.70	76.01								
	4th	11:50	5.52	31.2	22.3	1.65	50.34								
	5th	11:55	5.53	31.5	22.1	1.60	57.22						26.32		
	Sampling														
TFR-6	Initial	11:10		Sheen					16.57		TD: 22.18	5.61	5.64	18.50 gallons	Sheen oda Dup 2
	1st	11:13													
	2nd	11:16													
	3rd	11:19													
	4th	11:22													
	5th	11:25		Sheen									18.23		
	Sampling														

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Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: JF, KJ, AH

Sampling Date(s): 5/1118

Sampling Case#: 2

Job Name: HQ Health Safe Save 2

Job Number: 18-6417

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
TFR-10	Initial	10:30	5.91	44.2	24.0	2.25	16.05		15.17		TD: 24.92	9.75	6.33 gallons	31.68 gallons	no odor
	1st	10:35	5.85	41.3	23.3	2.20	30.11								
	2nd	10:40	5.80	41.1	22.9	2.17	47.26								
	3rd	10:45	5.76	40.7	22.5	2.10	72.19								
	4th	10:50	5.76	40.5	22.1	2.08	88.43								
	5th	10:55	5.77	40.2	21.7	2.05	90.14								
	Sampling														
TFR-12	Initial	10:30	5.16	111.5	23.9	5.20	27.32		14.48		TD: 20.00	5.52	3.58 gallons	18.0 gallons	odor
	1st	10:33	5.10	111.1	22.5	5.02	37.16								
	2nd	10:36	5.08	110.7	23.1	4.95	70.53								
	3rd	10:39	5.07	110.5	22.7	4.87	84.24								
	4th	10:42	5.05	110.1	22.3	4.60	101.6								
	5th	10:45	5.06	109.9	22.1	4.78	97.02								
	Sampling														
Dup-1	Initial	11:35													TFR-3
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
Dup-2	Initial	11:25													TFR-6
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height

One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

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Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: JF, KJ, AH

Sampling Date(s): 5/1/18

Sampling Case#: 2

Job Name: HQ Sea Heath Self Serve 2

Job Number: 18-6417

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
FB	Initial	13:20													
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
TB	Initial	13:20													
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height

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Case #3	17E100512	17E103488	201510251

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

June 11, 2018

Mr. Bryan Shane
Midlands Environmental
PO Box 854
Lexington, SC 29071

RE: Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Dear Mr. Shane:
Enclosed are the analytical results for sample(s) received by the laboratory on June 04, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Trey Carter
trey.carter@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Mr. Jeff Coleman, Midlands Environmental
Mr. Kyle Pudney, Midlands Environmental

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

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Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92386994001	MW-1R	Water	06/01/18 12:30	06/04/18 07:53
92386994002	MW-2	Water	06/01/18 12:20	06/04/18 07:53
92386994003	MW-3	Water	06/01/18 13:10	06/04/18 07:53
92386994004	MW-5D	Water	06/01/18 13:15	06/04/18 07:53
92386994005	MW-6	Water	06/01/18 12:40	06/04/18 07:53
92386994006	MW-7	Water	06/01/18 11:46	06/04/18 07:53
92386994007	MW-8	Water	06/01/18 11:05	06/04/18 07:53
92386994008	MW-11R	Water	06/01/18 10:20	06/04/18 07:53
92386994009	MW-12	Water	06/01/18 12:05	06/04/18 07:53
92386994010	MW-13	Water	06/01/18 11:05	06/04/18 07:53
92386994011	MW-14	Water	06/01/18 09:50	06/04/18 07:53
92386994012	MW-15	Water	06/01/18 09:35	06/04/18 07:53
92386994013	MW-16	Water	06/01/18 10:22	06/04/18 07:53
92386994014	MW-17R	Water	06/01/18 09:50	06/04/18 07:53
92386994015	MW-18	Water	06/01/18 09:35	06/04/18 07:53
92386994016	MW-25	Water	06/01/18 10:05	06/04/18 07:53
92386994017	TFR-1	Water	06/01/18 13:05	06/04/18 07:53
92386994018	TFR-2	Water	06/01/18 12:35	06/04/18 07:53
92386994019	TFR-3	Water	06/01/18 11:35	06/04/18 07:53
92386994020	TFR-4	Water	06/01/18 11:55	06/04/18 07:53
92386994021	TFR-6	Water	06/01/18 11:25	06/04/18 07:53
92386994022	TFR-10	Water	06/01/18 10:55	06/04/18 07:53
92386994023	TFR-12	Water	06/01/18 10:45	06/04/18 07:53
92386994024	DUPLICATE 1	Water	06/01/18 11:35	06/04/18 07:53
92386994025	DUPLICATE 2	Water	06/01/18 11:25	06/04/18 07:53
92386994026	FIELD BLANK	Water	06/01/18 13:20	06/04/18 07:53
92386994027	TRIP BLANK	Water	06/01/18 13:20	06/04/18 07:53

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92386994001	MW-1R	EPA 8011	SEM	2	PASI-C
		EPA 8260	CAH	20	PASI-C
92386994002	MW-2	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92386994003	MW-3	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92386994004	MW-5D	EPA 8011	SEM	2	PASI-C
		EPA 8260	CAH	20	PASI-C
92386994005	MW-6	EPA 8011	SEM	2	PASI-C
		EPA 8260	CAH	20	PASI-C
92386994006	MW-7	EPA 8011	SEM	2	PASI-C
		EPA 8260	CAH	20	PASI-C
92386994007	MW-8	EPA 8011	SEM	2	PASI-C
		EPA 8260	CAH	20	PASI-C
92386994008	MW-11R	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92386994009	MW-12	EPA 8011	SEM	2	PASI-C
		EPA 8260	CAH	20	PASI-C
92386994010	MW-13	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92386994011	MW-14	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92386994012	MW-15	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92386994013	MW-16	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92386994014	MW-17R	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92386994015	MW-18	EPA 8011	SEM	2	PASI-C
		EPA 8260	CAH	20	PASI-C
92386994016	MW-25	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92386994017	TFR-1	EPA 8011	SEM	2	PASI-C
		EPA 8260	CAH	20	PASI-C
92386994018	TFR-2	EPA 8011	SEM	2	PASI-C
		EPA 8260	CAH	20	PASI-C
92386994019	TFR-3	EPA 8011	SEM	2	PASI-C

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SAMPLE ANALYTE COUNT

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92386994020	TFR-4	EPA 8260	CAH	20	PASI-C
		EPA 8011	SEM	2	PASI-C
92386994021	TFR-6	EPA 8260	CAH	20	PASI-C
		EPA 8011	SEM	2	PASI-C
92386994022	TFR-10	EPA 8260	CAH	20	PASI-C
		EPA 8011	SEM	2	PASI-C
92386994023	TFR-12	EPA 8260	CAH	20	PASI-C
		EPA 8011	SEM	2	PASI-C
92386994024	DUPLICATE 1	EPA 8260	CAH	20	PASI-C
		EPA 8011	SEM	2	PASI-C
92386994025	DUPLICATE 2	EPA 8260	CAH	20	PASI-C
		EPA 8011	SEM	2	PASI-C
92386994026	FIELD BLANK	EPA 8260	CAH	20	PASI-C
		EPA 8011	SEM	2	PASI-C
92386994027	TRIP BLANK	EPA 8260	CAH	20	PASI-C
		EPA 8260	CAH	20	PASI-C

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: MW-1R **Lab ID: 92386994001** Collected: 06/01/18 12:30 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**0.77**	ug/L	0.019	0.019	1	06/06/18 10:10	06/07/18 07:06	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	93	%	60-140		1	06/06/18 10:10	06/07/18 07:06	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	10000	7680	100		06/08/18 22:43	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	340	100		06/08/18 22:43	994-05-8	
Benzene	**750**	ug/L	500	170	100		06/08/18 22:43	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	3210	100		06/08/18 22:43	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	5770	100		06/08/18 22:43	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	730	100		06/08/18 22:43	762-75-4	
1,2-Dichloroethane	ND	ug/L	500	180	100		06/08/18 22:43	107-06-2	
Diisopropyl ether	ND	ug/L	500	170	100		06/08/18 22:43	108-20-3	
Ethanol	ND	ug/L	20000	13100	100		06/08/18 22:43	64-17-5	
Ethylbenzene	**4410**	ug/L	500	160	100		06/08/18 22:43	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	360	100		06/08/18 22:43	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	500	170	100		06/08/18 22:43	1634-04-4	
Naphthalene	**873**	ug/L	500	200	100		06/08/18 22:43	91-20-3	
Toluene	**16700**	ug/L	500	160	100		06/08/18 22:43	108-88-3	M1
Xylene (Total)	**22600**	ug/L	500	500	100		06/08/18 22:43	1330-20-7	MS
m&p-Xylene	**15900**	ug/L	1000	310	100		06/08/18 22:43	179601-23-1	M1
o-Xylene	**6640**	ug/L	500	160	100		06/08/18 22:43	95-47-6	M1
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		100		06/08/18 22:43	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		100		06/08/18 22:43	17060-07-0	
Toluene-d8 (S)	101	%	70-130		100		06/08/18 22:43	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: MW-2 **Lab ID: 92386994002** Collected: 06/01/18 12:20 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	06/06/18 10:10	06/07/18 07:24	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	87	%	60-140		1	06/06/18 10:10	06/07/18 07:24	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/06/18 08:49	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/06/18 08:49	994-05-8	
Benzene	**170**	ug/L	5.0	1.7	1		06/06/18 08:49	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/06/18 08:49	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/06/18 08:49	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/06/18 08:49	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/06/18 08:49	107-06-2	
Diisopropyl ether	**3.7J**	ug/L	5.0	1.7	1		06/06/18 08:49	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/06/18 08:49	64-17-5	
Ethylbenzene	**25.0**	ug/L	5.0	1.6	1		06/06/18 08:49	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/06/18 08:49	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/06/18 08:49	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/06/18 08:49	91-20-3	
Toluene	**39.9**	ug/L	5.0	1.6	1		06/06/18 08:49	108-88-3	
Xylene (Total)	**22.5**	ug/L	5.0	5.0	1		06/06/18 08:49	1330-20-7	
m&p-Xylene	**11.9**	ug/L	10.0	3.1	1		06/06/18 08:49	179601-23-1	
o-Xylene	**10.6**	ug/L	5.0	1.6	1		06/06/18 08:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		06/06/18 08:49	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		06/06/18 08:49	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		06/06/18 08:49	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: MW-3 **Lab ID: 92386994003** Collected: 06/01/18 13:10 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	06/06/18 10:10	06/07/18 07:42	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	88	%	60-140		1	06/06/18 10:10	06/07/18 07:42	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/06/18 09:06	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/06/18 09:06	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/06/18 09:06	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/06/18 09:06	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/06/18 09:06	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/06/18 09:06	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/06/18 09:06	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/06/18 09:06	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/06/18 09:06	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/06/18 09:06	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/06/18 09:06	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/06/18 09:06	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/06/18 09:06	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/06/18 09:06	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		06/06/18 09:06	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/06/18 09:06	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/06/18 09:06	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		06/06/18 09:06	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		06/06/18 09:06	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		06/06/18 09:06	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: MW-5D **Lab ID: 92386994004** Collected: 06/01/18 13:15 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**0.022**	ug/L	0.020	0.020	1	06/06/18 10:10	06/07/18 08:00	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	103	%	60-140		1	06/06/18 10:10	06/07/18 08:00	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/08/18 20:38	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/08/18 20:38	994-05-8	
Benzene	**72.0**	ug/L	5.0	1.7	1		06/08/18 20:38	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/08/18 20:38	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/08/18 20:38	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/08/18 20:38	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/08/18 20:38	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/08/18 20:38	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/08/18 20:38	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/08/18 20:38	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/08/18 20:38	637-92-3	
Methyl-tert-butyl ether	**30.9**	ug/L	5.0	1.7	1		06/08/18 20:38	1634-04-4	
Naphthalene	**8.5**	ug/L	5.0	2.0	1		06/08/18 20:38	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/08/18 20:38	108-88-3	
Xylene (Total)	**10.1**	ug/L	5.0	5.0	1		06/08/18 20:38	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/08/18 20:38	179601-23-1	
o-Xylene	**10.1**	ug/L	5.0	1.6	1		06/08/18 20:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		06/08/18 20:38	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		06/08/18 20:38	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		06/08/18 20:38	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: MW-6 **Lab ID: 92386994005** Collected: 06/01/18 12:40 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	06/06/18 10:10	06/07/18 08:18	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	98	%	60-140		1	06/06/18 10:10	06/07/18 08:18	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/09/18 11:56	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/09/18 11:56	994-05-8	
Benzene	**8.1**	ug/L	5.0	1.7	1		06/09/18 11:56	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/09/18 11:56	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/09/18 11:56	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/09/18 11:56	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/09/18 11:56	107-06-2	
Diisopropyl ether	**2.0J**	ug/L	5.0	1.7	1		06/09/18 11:56	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/09/18 11:56	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/09/18 11:56	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/09/18 11:56	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/09/18 11:56	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/09/18 11:56	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/09/18 11:56	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		06/09/18 11:56	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/09/18 11:56	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/09/18 11:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		06/09/18 11:56	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		06/09/18 11:56	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		06/09/18 11:56	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: MW-7 **Lab ID: 92386994006** Collected: 06/01/18 11:46 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**320**	ug/L	7.8	7.8	400	06/06/18 10:10	06/07/18 14:46	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		400	06/06/18 10:10	06/07/18 14:46	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	20000	15400	200		06/07/18 10:20	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	680	200		06/07/18 10:20	994-05-8	
Benzene	**9330**	ug/L	1000	340	200		06/07/18 10:20	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	6420	200		06/07/18 10:20	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	11500	200		06/07/18 10:20	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	1460	200		06/07/18 10:20	762-75-4	
1,2-Dichloroethane	ND	ug/L	1000	360	200		06/07/18 10:20	107-06-2	
Diisopropyl ether	ND	ug/L	1000	340	200		06/07/18 10:20	108-20-3	
Ethanol	ND	ug/L	40000	26200	200		06/07/18 10:20	64-17-5	
Ethylbenzene	**2600**	ug/L	1000	320	200		06/07/18 10:20	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	720	200		06/07/18 10:20	637-92-3	
Methyl-tert-butyl ether	**462J**	ug/L	1000	340	200		06/07/18 10:20	1634-04-4	
Naphthalene	**719J**	ug/L	1000	400	200		06/07/18 10:20	91-20-3	
Toluene	**34500**	ug/L	1000	320	200		06/07/18 10:20	108-88-3	
Xylene (Total)	**23200**	ug/L	1000	1000	200		06/07/18 10:20	1330-20-7	
m&p-Xylene	**15100**	ug/L	2000	620	200		06/07/18 10:20	179601-23-1	
o-Xylene	**8070**	ug/L	1000	320	200		06/07/18 10:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		200		06/07/18 10:20	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		200		06/07/18 10:20	17060-07-0	
Toluene-d8 (S)	101	%	70-130		200		06/07/18 10:20	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: MW-8 **Lab ID: 92386994007** Collected: 06/01/18 11:05 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**11.4**	ug/L	0.39	0.39	20	06/06/18 10:10	06/07/18 15:08	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		20	06/06/18 10:10	06/07/18 15:08	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	10000	7680	100		06/07/18 10:37	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	340	100		06/07/18 10:37	994-05-8	
Benzene	**1340**	ug/L	500	170	100		06/07/18 10:37	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	3210	100		06/07/18 10:37	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	5770	100		06/07/18 10:37	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	730	100		06/07/18 10:37	762-75-4	
1,2-Dichloroethane	ND	ug/L	500	180	100		06/07/18 10:37	107-06-2	
Diisopropyl ether	ND	ug/L	500	170	100		06/07/18 10:37	108-20-3	
Ethanol	ND	ug/L	20000	13100	100		06/07/18 10:37	64-17-5	
Ethylbenzene	**1880**	ug/L	500	160	100		06/07/18 10:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	360	100		06/07/18 10:37	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	500	170	100		06/07/18 10:37	1634-04-4	
Naphthalene	**517**	ug/L	500	200	100		06/07/18 10:37	91-20-3	
Toluene	**17900**	ug/L	500	160	100		06/07/18 10:37	108-88-3	
Xylene (Total)	**14500**	ug/L	500	500	100		06/07/18 10:37	1330-20-7	
m&p-Xylene	**9400**	ug/L	1000	310	100		06/07/18 10:37	179601-23-1	
o-Xylene	**5070**	ug/L	500	160	100		06/07/18 10:37	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		100		06/07/18 10:37	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		100		06/07/18 10:37	17060-07-0	
Toluene-d8 (S)	101	%	70-130		100		06/07/18 10:37	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: MW-11R **Lab ID: 92386994008** Collected: 06/01/18 10:20 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	06/06/18 10:10	06/07/18 09:13	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	108	%	60-140		1	06/06/18 10:10	06/07/18 09:13	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/06/18 09:23	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/06/18 09:23	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/06/18 09:23	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/06/18 09:23	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/06/18 09:23	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/06/18 09:23	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/06/18 09:23	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/06/18 09:23	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/06/18 09:23	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/06/18 09:23	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/06/18 09:23	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/06/18 09:23	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/06/18 09:23	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/06/18 09:23	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		06/06/18 09:23	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/06/18 09:23	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/06/18 09:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		06/06/18 09:23	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		06/06/18 09:23	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		06/06/18 09:23	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: MW-12 Lab ID: **92386994009** Collected: 06/01/18 12:05 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**0.028**	ug/L	0.019	0.019	1	06/06/18 10:10	06/07/18 09:31	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	95	%	60-140		1	06/06/18 10:10	06/07/18 09:31	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	1000	768	10		06/11/18 13:08	75-85-4	
tert-Amylmethyl ether	ND	ug/L	100	34.0	10		06/11/18 13:08	994-05-8	
Benzene	**96.6**	ug/L	50.0	17.0	10		06/11/18 13:08	71-43-2	M1
3,3-Dimethyl-1-Butanol	ND	ug/L	1000	321	10		06/11/18 13:08	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1000	577	10		06/11/18 13:08	75-65-0	
tert-Butyl Formate	ND	ug/L	500	73.0	10		06/11/18 13:08	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	18.0	10		06/11/18 13:08	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	17.0	10		06/11/18 13:08	108-20-3	
Ethanol	ND	ug/L	2000	1310	10		06/11/18 13:08	64-17-5	
Ethylbenzene	**95.7**	ug/L	50.0	16.0	10		06/11/18 13:08	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	100	36.0	10		06/11/18 13:08	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	50.0	17.0	10		06/11/18 13:08	1634-04-4	
Naphthalene	**123**	ug/L	50.0	20.0	10		06/11/18 13:08	91-20-3	
Toluene	**1030**	ug/L	50.0	16.0	10		06/11/18 13:08	108-88-3	M1
Xylene (Total)	**2890**	ug/L	50.0	50.0	10		06/11/18 13:08	1330-20-7	MS
m&p-Xylene	**1820**	ug/L	100	31.0	10		06/11/18 13:08	179601-23-1	M1
o-Xylene	**1070**	ug/L	50.0	16.0	10		06/11/18 13:08	95-47-6	M1
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		10		06/11/18 13:08	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		10		06/11/18 13:08	17060-07-0	
Toluene-d8 (S)	100	%	70-130		10		06/11/18 13:08	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: MW-13 **Lab ID: 92386994010** Collected: 06/01/18 11:05 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	06/06/18 10:10	06/07/18 09:49	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	96	%	60-140		1	06/06/18 10:10	06/07/18 09:49	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/06/18 09:40	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/06/18 09:40	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/06/18 09:40	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/06/18 09:40	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/06/18 09:40	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/06/18 09:40	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/06/18 09:40	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/06/18 09:40	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/06/18 09:40	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/06/18 09:40	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/06/18 09:40	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/06/18 09:40	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/06/18 09:40	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/06/18 09:40	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		06/06/18 09:40	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/06/18 09:40	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/06/18 09:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		06/06/18 09:40	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		06/06/18 09:40	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		06/06/18 09:40	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: MW-14 **Lab ID: 92386994011** Collected: 06/01/18 09:50 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	06/06/18 10:10	06/07/18 10:08	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	102	%	60-140		1	06/06/18 10:10	06/07/18 10:08	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**252**	ug/L	100	76.8	1		06/06/18 09:56	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/06/18 09:56	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/06/18 09:56	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/06/18 09:56	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/06/18 09:56	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/06/18 09:56	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/06/18 09:56	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/06/18 09:56	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/06/18 09:56	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/06/18 09:56	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/06/18 09:56	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/06/18 09:56	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/06/18 09:56	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/06/18 09:56	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		06/06/18 09:56	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/06/18 09:56	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/06/18 09:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		06/06/18 09:56	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		06/06/18 09:56	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		06/06/18 09:56	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: MW-15 **Lab ID: 92386994012** Collected: 06/01/18 09:35 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**0.051**	ug/L	0.020	0.020	1	06/07/18 10:00	06/07/18 18:11	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	89	%	60-140		1	06/07/18 10:00	06/07/18 18:11	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/06/18 10:13	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/06/18 10:13	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/06/18 10:13	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/06/18 10:13	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/06/18 10:13	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/06/18 10:13	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/06/18 10:13	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/06/18 10:13	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/06/18 10:13	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/06/18 10:13	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/06/18 10:13	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/06/18 10:13	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/06/18 10:13	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/06/18 10:13	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		06/06/18 10:13	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/06/18 10:13	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/06/18 10:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		06/06/18 10:13	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		06/06/18 10:13	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		06/06/18 10:13	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: MW-16 **Lab ID: 92386994013** Collected: 06/01/18 10:22 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	06/07/18 10:00	06/07/18 18:31	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	91	%	60-140		1	06/07/18 10:00	06/07/18 18:31	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/06/18 10:30	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/06/18 10:30	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/06/18 10:30	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/06/18 10:30	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/06/18 10:30	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/06/18 10:30	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/06/18 10:30	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/06/18 10:30	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/06/18 10:30	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/06/18 10:30	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/06/18 10:30	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/06/18 10:30	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/06/18 10:30	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/06/18 10:30	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		06/06/18 10:30	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/06/18 10:30	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/06/18 10:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		06/06/18 10:30	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		06/06/18 10:30	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		06/06/18 10:30	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: MW-17R **Lab ID: 92386994014** Collected: 06/01/18 09:50 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	06/07/18 10:00	06/07/18 18:50	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	125	%	60-140		1	06/07/18 10:00	06/07/18 18:50	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/06/18 10:47	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/06/18 10:47	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/06/18 10:47	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/06/18 10:47	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/06/18 10:47	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/06/18 10:47	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/06/18 10:47	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/06/18 10:47	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/06/18 10:47	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/06/18 10:47	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/06/18 10:47	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/06/18 10:47	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/06/18 10:47	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/06/18 10:47	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		06/06/18 10:47	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/06/18 10:47	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/06/18 10:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		06/06/18 10:47	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		06/06/18 10:47	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		06/06/18 10:47	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: MW-18 Lab ID: **92386994015** Collected: 06/01/18 09:35 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	06/07/18 10:00	06/07/18 19:08	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	88	%	60-140		1	06/07/18 10:00	06/07/18 19:08	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/09/18 12:14	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/09/18 12:14	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/09/18 12:14	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/09/18 12:14	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/09/18 12:14	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/09/18 12:14	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/09/18 12:14	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/09/18 12:14	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/09/18 12:14	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/09/18 12:14	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/09/18 12:14	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/09/18 12:14	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/09/18 12:14	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/09/18 12:14	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		06/09/18 12:14	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/09/18 12:14	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/09/18 12:14	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		06/09/18 12:14	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		06/09/18 12:14	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		06/09/18 12:14	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: MW-25 **Lab ID: 92386994016** Collected: 06/01/18 10:05 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	06/07/18 10:00	06/07/18 19:46	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	93	%	60-140		1	06/07/18 10:00	06/07/18 19:46	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/06/18 11:04	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/06/18 11:04	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/06/18 11:04	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/06/18 11:04	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/06/18 11:04	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/06/18 11:04	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/06/18 11:04	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/06/18 11:04	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/06/18 11:04	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/06/18 11:04	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/06/18 11:04	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/06/18 11:04	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/06/18 11:04	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/06/18 11:04	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		06/06/18 11:04	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/06/18 11:04	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/06/18 11:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		06/06/18 11:04	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		06/06/18 11:04	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		06/06/18 11:04	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: TFR-1 **Lab ID: 92386994017** Collected: 06/01/18 13:05 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**48.2**	ug/L	0.99	0.99	50	06/07/18 10:00	06/08/18 15:13	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		50	06/07/18 10:00	06/08/18 15:13	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	12500	9600	125		06/09/18 00:47	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1250	425	125		06/09/18 00:47	994-05-8	
Benzene	**954**	ug/L	625	212	125		06/09/18 00:47	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	12500	4010	125		06/09/18 00:47	624-95-3	
tert-Butyl Alcohol	ND	ug/L	12500	7210	125		06/09/18 00:47	75-65-0	
tert-Butyl Formate	ND	ug/L	6250	912	125		06/09/18 00:47	762-75-4	
1,2-Dichloroethane	ND	ug/L	625	225	125		06/09/18 00:47	107-06-2	
Diisopropyl ether	ND	ug/L	625	212	125		06/09/18 00:47	108-20-3	
Ethanol	ND	ug/L	25000	16400	125		06/09/18 00:47	64-17-5	
Ethylbenzene	**1920**	ug/L	625	200	125		06/09/18 00:47	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1250	450	125		06/09/18 00:47	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	625	212	125		06/09/18 00:47	1634-04-4	
Naphthalene	**300J**	ug/L	625	250	125		06/09/18 00:47	91-20-3	
Toluene	**19100**	ug/L	625	200	125		06/09/18 00:47	108-88-3	
Xylene (Total)	**19400**	ug/L	625	625	125		06/09/18 00:47	1330-20-7	
m&p-Xylene	**12500**	ug/L	1250	388	125		06/09/18 00:47	179601-23-1	
o-Xylene	**6930**	ug/L	625	200	125		06/09/18 00:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		125		06/09/18 00:47	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		125		06/09/18 00:47	17060-07-0	
Toluene-d8 (S)	101	%	70-130		125		06/09/18 00:47	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: TFR-2 **Lab ID: 92386994018** Collected: 06/01/18 12:35 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**0.051**	ug/L	0.020	0.020	1	06/07/18 10:00	06/07/18 20:25	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	106	%	60-140		1	06/07/18 10:00	06/07/18 20:25	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	200	154	2		06/09/18 01:05	75-85-4	
tert-Amylmethyl ether	ND	ug/L	20.0	6.8	2		06/09/18 01:05	994-05-8	
Benzene	**41.3**	ug/L	10.0	3.4	2		06/09/18 01:05	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	200	64.2	2		06/09/18 01:05	624-95-3	
tert-Butyl Alcohol	ND	ug/L	200	115	2		06/09/18 01:05	75-65-0	
tert-Butyl Formate	ND	ug/L	100	14.6	2		06/09/18 01:05	762-75-4	
1,2-Dichloroethane	ND	ug/L	10.0	3.6	2		06/09/18 01:05	107-06-2	
Diisopropyl ether	ND	ug/L	10.0	3.4	2		06/09/18 01:05	108-20-3	
Ethanol	ND	ug/L	400	262	2		06/09/18 01:05	64-17-5	
Ethylbenzene	**38.3**	ug/L	10.0	3.2	2		06/09/18 01:05	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	20.0	7.2	2		06/09/18 01:05	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	10.0	3.4	2		06/09/18 01:05	1634-04-4	
Naphthalene	**21.2**	ug/L	10.0	4.0	2		06/09/18 01:05	91-20-3	
Toluene	**341**	ug/L	10.0	3.2	2		06/09/18 01:05	108-88-3	
Xylene (Total)	**611**	ug/L	10.0	10.0	2		06/09/18 01:05	1330-20-7	
m&p-Xylene	**379**	ug/L	20.0	6.2	2		06/09/18 01:05	179601-23-1	
o-Xylene	**232**	ug/L	10.0	3.2	2		06/09/18 01:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		2		06/09/18 01:05	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		2		06/09/18 01:05	17060-07-0	
Toluene-d8 (S)	101	%	70-130		2		06/09/18 01:05	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: TFR-3 **Lab ID: 92386994019** Collected: 06/01/18 11:35 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**42.0**	ug/L	2.0	2.0	100	06/07/18 10:00	06/08/18 15:34	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		100	06/07/18 10:00	06/08/18 15:34	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	4000	3070	40		06/09/18 01:23	75-85-4	
tert-Amylmethyl ether	ND	ug/L	400	136	40		06/09/18 01:23	994-05-8	
Benzene	**1770**	ug/L	200	68.0	40		06/09/18 01:23	71-43-2	M1
3,3-Dimethyl-1-Butanol	ND	ug/L	4000	1280	40		06/09/18 01:23	624-95-3	
tert-Butyl Alcohol	ND	ug/L	4000	2310	40		06/09/18 01:23	75-65-0	
tert-Butyl Formate	ND	ug/L	2000	292	40		06/09/18 01:23	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	72.0	40		06/09/18 01:23	107-06-2	
Diisopropyl ether	ND	ug/L	200	68.0	40		06/09/18 01:23	108-20-3	
Ethanol	ND	ug/L	8000	5240	40		06/09/18 01:23	64-17-5	
Ethylbenzene	**170J**	ug/L	200	64.0	40		06/09/18 01:23	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	400	144	40		06/09/18 01:23	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	200	68.0	40		06/09/18 01:23	1634-04-4	
Naphthalene	**112J**	ug/L	200	80.0	40		06/09/18 01:23	91-20-3	
Toluene	**4790**	ug/L	200	64.0	40		06/09/18 01:23	108-88-3	M1
Xylene (Total)	**6680**	ug/L	200	200	40		06/09/18 01:23	1330-20-7	MS
m&p-Xylene	**3950**	ug/L	400	124	40		06/09/18 01:23	179601-23-1	M1
o-Xylene	**2740**	ug/L	200	64.0	40		06/09/18 01:23	95-47-6	M1
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		40		06/09/18 01:23	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		40		06/09/18 01:23	17060-07-0	
Toluene-d8 (S)	101	%	70-130		40		06/09/18 01:23	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: TFR-4 Lab ID: **92386994020** Collected: 06/01/18 11:55 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**5.9**	ug/L	0.20	0.20	10	06/07/18 10:00	06/08/18 15:56	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		10	06/07/18 10:00	06/08/18 15:56	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	1000	768	10		06/09/18 01:59	75-85-4	
tert-Amylmethyl ether	ND	ug/L	100	34.0	10		06/09/18 01:59	994-05-8	
Benzene	**77.3**	ug/L	50.0	17.0	10		06/09/18 01:59	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1000	321	10		06/09/18 01:59	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1000	577	10		06/09/18 01:59	75-65-0	
tert-Butyl Formate	ND	ug/L	500	73.0	10		06/09/18 01:59	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	18.0	10		06/09/18 01:59	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	17.0	10		06/09/18 01:59	108-20-3	
Ethanol	ND	ug/L	2000	1310	10		06/09/18 01:59	64-17-5	
Ethylbenzene	**37.2J**	ug/L	50.0	16.0	10		06/09/18 01:59	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	100	36.0	10		06/09/18 01:59	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	50.0	17.0	10		06/09/18 01:59	1634-04-4	
Naphthalene	**119**	ug/L	50.0	20.0	10		06/09/18 01:59	91-20-3	
Toluene	**363**	ug/L	50.0	16.0	10		06/09/18 01:59	108-88-3	
Xylene (Total)	**2560**	ug/L	50.0	50.0	10		06/09/18 01:59	1330-20-7	
m&p-Xylene	**1550**	ug/L	100	31.0	10		06/09/18 01:59	179601-23-1	
o-Xylene	**1020**	ug/L	50.0	16.0	10		06/09/18 01:59	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		10		06/09/18 01:59	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		10		06/09/18 01:59	17060-07-0	
Toluene-d8 (S)	102	%	70-130		10		06/09/18 01:59	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: TFR-6 **Lab ID: 92386994021** Collected: 06/01/18 11:25 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**66.3**	ug/L	2.0	2.0	100	06/07/18 10:00	06/08/18 16:17	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		100	06/07/18 10:00	06/08/18 16:17	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	20000	15400	200		06/11/18 13:26	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	680	200		06/11/18 13:26	994-05-8	
Benzene	**6350**	ug/L	1000	340	200		06/11/18 13:26	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	6420	200		06/11/18 13:26	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	11500	200		06/11/18 13:26	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	1460	200		06/11/18 13:26	762-75-4	
1,2-Dichloroethane	ND	ug/L	1000	360	200		06/11/18 13:26	107-06-2	
Diisopropyl ether	ND	ug/L	1000	340	200		06/11/18 13:26	108-20-3	
Ethanol	ND	ug/L	40000	26200	200		06/11/18 13:26	64-17-5	
Ethylbenzene	**2630**	ug/L	1000	320	200		06/11/18 13:26	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	720	200		06/11/18 13:26	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1000	340	200		06/11/18 13:26	1634-04-4	
Naphthalene	**553J**	ug/L	1000	400	200		06/11/18 13:26	91-20-3	
Toluene	**32700**	ug/L	1000	320	200		06/11/18 13:26	108-88-3	
Xylene (Total)	**18200**	ug/L	1000	1000	200		06/11/18 13:26	1330-20-7	
m&p-Xylene	**12400**	ug/L	2000	620	200		06/11/18 13:26	179601-23-1	
o-Xylene	**5830**	ug/L	1000	320	200		06/11/18 13:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		200		06/11/18 13:26	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		200		06/11/18 13:26	17060-07-0	
Toluene-d8 (S)	100	%	70-130		200		06/11/18 13:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: TFR-10 **Lab ID: 92386994022** Collected: 06/01/18 10:55 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**0.40**	ug/L	0.020	0.020	1	06/07/18 10:00	06/07/18 21:40	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	95	%	60-140		1	06/07/18 10:00	06/07/18 21:40	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/09/18 12:32	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/09/18 12:32	994-05-8	
Benzene	**23.9**	ug/L	5.0	1.7	1		06/09/18 12:32	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/09/18 12:32	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/09/18 12:32	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/09/18 12:32	762-75-4	
1,2-Dichloroethane	**2.7J**	ug/L	5.0	1.8	1		06/09/18 12:32	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/09/18 12:32	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/09/18 12:32	64-17-5	
Ethylbenzene	**6.2**	ug/L	5.0	1.6	1		06/09/18 12:32	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/09/18 12:32	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/09/18 12:32	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/09/18 12:32	91-20-3	
Toluene	**69.1**	ug/L	5.0	1.6	1		06/09/18 12:32	108-88-3	
Xylene (Total)	**40.1**	ug/L	5.0	5.0	1		06/09/18 12:32	1330-20-7	
m&p-Xylene	**27.7**	ug/L	10.0	3.1	1		06/09/18 12:32	179601-23-1	
o-Xylene	**12.4**	ug/L	5.0	1.6	1		06/09/18 12:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/09/18 12:32	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		06/09/18 12:32	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		06/09/18 12:32	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: TFR-12 **Lab ID: 92386994023** Collected: 06/01/18 10:45 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**62.4**	ug/L	1.9	1.9	100	06/07/18 10:00	06/08/18 16:39	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		100	06/07/18 10:00	06/08/18 16:39	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	10000	7680	100		06/11/18 13:44	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	340	100		06/11/18 13:44	994-05-8	
Benzene	**5090**	ug/L	500	170	100		06/11/18 13:44	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	3210	100		06/11/18 13:44	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	5770	100		06/11/18 13:44	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	730	100		06/11/18 13:44	762-75-4	
1,2-Dichloroethane	ND	ug/L	500	180	100		06/11/18 13:44	107-06-2	
Diisopropyl ether	ND	ug/L	500	170	100		06/11/18 13:44	108-20-3	
Ethanol	ND	ug/L	20000	13100	100		06/11/18 13:44	64-17-5	
Ethylbenzene	**877**	ug/L	500	160	100		06/11/18 13:44	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	360	100		06/11/18 13:44	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	500	170	100		06/11/18 13:44	1634-04-4	
Naphthalene	ND	ug/L	500	200	100		06/11/18 13:44	91-20-3	
Toluene	**14100**	ug/L	500	160	100		06/11/18 13:44	108-88-3	
Xylene (Total)	**6120**	ug/L	500	500	100		06/11/18 13:44	1330-20-7	
m&p-Xylene	**4220**	ug/L	1000	310	100		06/11/18 13:44	179601-23-1	
o-Xylene	**1900**	ug/L	500	160	100		06/11/18 13:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		100		06/11/18 13:44	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		100		06/11/18 13:44	17060-07-0	
Toluene-d8 (S)	100	%	70-130		100		06/11/18 13:44	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: DUPLICATE 1 **Lab ID: 92386994024** Collected: 06/01/18 11:35 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**72.4**	ug/L	2.0	2.0	100	06/07/18 10:00	06/11/18 08:46	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		100	06/07/18 10:00	06/11/18 08:46	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	2500	1920	25		06/09/18 16:23	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	85.0	25		06/09/18 16:23	994-05-8	
Benzene	**1610**	ug/L	125	42.5	25		06/09/18 16:23	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	802	25		06/09/18 16:23	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	1440	25		06/09/18 16:23	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	182	25		06/09/18 16:23	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	45.0	25		06/09/18 16:23	107-06-2	
Diisopropyl ether	ND	ug/L	125	42.5	25		06/09/18 16:23	108-20-3	
Ethanol	ND	ug/L	5000	3280	25		06/09/18 16:23	64-17-5	
Ethylbenzene	**168**	ug/L	125	40.0	25		06/09/18 16:23	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	90.0	25		06/09/18 16:23	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	125	42.5	25		06/09/18 16:23	1634-04-4	
Naphthalene	**98.4J**	ug/L	125	50.0	25		06/09/18 16:23	91-20-3	
Toluene	**4430**	ug/L	125	40.0	25		06/09/18 16:23	108-88-3	
Xylene (Total)	**6410**	ug/L	125	125	25		06/09/18 16:23	1330-20-7	
m&p-Xylene	**3770**	ug/L	250	77.5	25		06/09/18 16:23	179601-23-1	
o-Xylene	**2640**	ug/L	125	40.0	25		06/09/18 16:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		25		06/09/18 16:23	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		25		06/09/18 16:23	17060-07-0	
Toluene-d8 (S)	99	%	70-130		25		06/09/18 16:23	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: DUPLICATE 2 **Lab ID: 92386994025** Collected: 06/01/18 11:25 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**79.3**	ug/L	2.0	2.0	100	06/07/18 10:00	06/08/18 17:21	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		100	06/07/18 10:00	06/08/18 17:21	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	20000	15400	200		06/11/18 14:02	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	680	200		06/11/18 14:02	994-05-8	
Benzene	**6920**	ug/L	1000	340	200		06/11/18 14:02	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	6420	200		06/11/18 14:02	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	11500	200		06/11/18 14:02	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	1460	200		06/11/18 14:02	762-75-4	
1,2-Dichloroethane	ND	ug/L	1000	360	200		06/11/18 14:02	107-06-2	
Diisopropyl ether	ND	ug/L	1000	340	200		06/11/18 14:02	108-20-3	
Ethanol	ND	ug/L	40000	26200	200		06/11/18 14:02	64-17-5	
Ethylbenzene	**2820**	ug/L	1000	320	200		06/11/18 14:02	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	720	200		06/11/18 14:02	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1000	340	200		06/11/18 14:02	1634-04-4	
Naphthalene	**559J**	ug/L	1000	400	200		06/11/18 14:02	91-20-3	
Toluene	**35400**	ug/L	1000	320	200		06/11/18 14:02	108-88-3	
Xylene (Total)	**19400**	ug/L	1000	1000	200		06/11/18 14:02	1330-20-7	
m&p-Xylene	**13200**	ug/L	2000	620	200		06/11/18 14:02	179601-23-1	
o-Xylene	**6230**	ug/L	1000	320	200		06/11/18 14:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		200		06/11/18 14:02	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		200		06/11/18 14:02	17060-07-0	
Toluene-d8 (S)	101	%	70-130		200		06/11/18 14:02	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: FIELD BLANK Lab ID: **92386994026** Collected: 06/01/18 13:20 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	06/07/18 10:00	06/07/18 22:55	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	90	%	60-140		1	06/07/18 10:00	06/07/18 22:55	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/09/18 11:21	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/09/18 11:21	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/09/18 11:21	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/09/18 11:21	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/09/18 11:21	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/09/18 11:21	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/09/18 11:21	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/09/18 11:21	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/09/18 11:21	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/09/18 11:21	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/09/18 11:21	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/09/18 11:21	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/09/18 11:21	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/09/18 11:21	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		06/09/18 11:21	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/09/18 11:21	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/09/18 11:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		06/09/18 11:21	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		06/09/18 11:21	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		06/09/18 11:21	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Sample: TRIP BLANK **Lab ID: 92386994027** Collected: 06/01/18 13:20 Received: 06/04/18 07:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/09/18 11:39	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/09/18 11:39	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/09/18 11:39	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/09/18 11:39	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/09/18 11:39	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/09/18 11:39	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/09/18 11:39	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/09/18 11:39	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/09/18 11:39	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/09/18 11:39	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/09/18 11:39	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/09/18 11:39	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/09/18 11:39	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/09/18 11:39	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		06/09/18 11:39	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/09/18 11:39	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/09/18 11:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		06/09/18 11:39	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		06/09/18 11:39	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		06/09/18 11:39	2037-26-5	

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QUALITY CONTROL DATA

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

QC Batch: 413922 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92386994002, 92386994003, 92386994008, 92386994010, 92386994011, 92386994012, 92386994013, 92386994014, 92386994016

METHOD BLANK: 2295301 Matrix: Water
Associated Lab Samples: 92386994002, 92386994003, 92386994008, 92386994010, 92386994011, 92386994012, 92386994013, 92386994014, 92386994016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1.8	06/06/18 02:05	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	06/06/18 02:05	
Benzene	ug/L	ND	5.0	1.7	06/06/18 02:05	
Diisopropyl ether	ug/L	ND	5.0	1.7	06/06/18 02:05	
Ethanol	ug/L	ND	200	131	06/06/18 02:05	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.6	06/06/18 02:05	
Ethylbenzene	ug/L	ND	5.0	1.6	06/06/18 02:05	
m&p-Xylene	ug/L	ND	10.0	3.1	06/06/18 02:05	
Methyl-tert-butyl ether	ug/L	ND	5.0	1.7	06/06/18 02:05	
Naphthalene	ug/L	ND	5.0	2.0	06/06/18 02:05	
o-Xylene	ug/L	ND	5.0	1.6	06/06/18 02:05	
tert-Amyl Alcohol	ug/L	ND	100	76.8	06/06/18 02:05	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	06/06/18 02:05	
tert-Butyl Alcohol	ug/L	ND	100	57.7	06/06/18 02:05	
tert-Butyl Formate	ug/L	ND	50.0	7.3	06/06/18 02:05	
Toluene	ug/L	ND	5.0	1.6	06/06/18 02:05	
Xylene (Total)	ug/L	ND	5.0	5.0	06/06/18 02:05	
1,2-Dichloroethane-d4 (S)	%	102	70-130		06/06/18 02:05	
4-Bromofluorobenzene (S)	%	103	70-130		06/06/18 02:05	
Toluene-d8 (S)	%	102	70-130		06/06/18 02:05	

LABORATORY CONTROL SAMPLE: 2295302

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	44.1	88	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	920	92	70-130	
Benzene	ug/L	50	46.4	93	70-130	
Diisopropyl ether	ug/L	50	48.7	97	70-130	
Ethanol	ug/L	2000	2180	109	70-130	
Ethyl-tert-butyl ether	ug/L	100	92.5	93	70-130	
Ethylbenzene	ug/L	50	45.3	91	70-130	
m&p-Xylene	ug/L	100	89.1	89	70-130	
Methyl-tert-butyl ether	ug/L	50	47.4	95	70-130	
Naphthalene	ug/L	50	46.3	93	70-130	
o-Xylene	ug/L	50	46.0	92	70-130	
tert-Amyl Alcohol	ug/L	1000	991	99	70-130	
tert-Amylmethyl ether	ug/L	100	94.0	94	70-130	
tert-Butyl Alcohol	ug/L	500	438	88	70-130	

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QUALITY CONTROL DATA

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

LABORATORY CONTROL SAMPLE: 2295302

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Formate	ug/L	400	381	95	70-130	
Toluene	ug/L	50	44.5	89	70-130	
Xylene (Total)	ug/L	150	135	90	70-130	
1,2-Dichloroethane-d4 (S)	%			88	70-130	
4-Bromofluorobenzene (S)	%			95	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE SAMPLE: 2295304

Parameter	Units	92386969023 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	19.6	98	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	319	80	70-130	
Benzene	ug/L	ND	20	20.7	103	70-130	
Diisopropyl ether	ug/L	ND	20	20.3	102	70-130	
Ethanol	ug/L	ND	800	730	91	70-130	
Ethyl-tert-butyl ether	ug/L	ND	40	38.4	96	70-130	
Ethylbenzene	ug/L	ND	20	20.4	102	70-130	
m&p-Xylene	ug/L	ND	40	41.3	103	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	19.0	95	70-130	
Naphthalene	ug/L	ND	20	18.6	93	70-130	
o-Xylene	ug/L	ND	20	20.8	104	70-130	
tert-Amyl Alcohol	ug/L	ND	400	328	82	70-130	
tert-Amylmethyl ether	ug/L	ND	40	38.3	96	70-130	
tert-Butyl Alcohol	ug/L	ND	200	187	93	70-130	
tert-Butyl Formate	ug/L	ND	160	44.4J	28	70-130	P5
Toluene	ug/L	ND	20	20.4	102	70-130	
Xylene (Total)	ug/L	ND	60	62.1	103	70-130	
1,2-Dichloroethane-d4 (S)	%				94	70-130	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 2295303

Parameter	Units	92386969022 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

SAMPLE DUPLICATE: 2295303

Parameter	Units	92386969022 Result	Dup Result	RPD	Max RPD	Qualifiers
o-Xylene	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	103	103	1		
4-Bromofluorobenzene (S)	%	101	102	1		
Toluene-d8 (S)	%	104	105	1		

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QUALITY CONTROL DATA

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

QC Batch: 414085
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV SC
Associated Lab Samples: 92386994006, 92386994007

METHOD BLANK: 2296302
Matrix: Water
Associated Lab Samples: 92386994006, 92386994007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1.8	06/07/18 01:54	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	06/07/18 01:54	
Benzene	ug/L	ND	5.0	1.7	06/07/18 01:54	
Diisopropyl ether	ug/L	ND	5.0	1.7	06/07/18 01:54	
Ethanol	ug/L	ND	200	131	06/07/18 01:54	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.6	06/07/18 01:54	
Ethylbenzene	ug/L	ND	5.0	1.6	06/07/18 01:54	
m&p-Xylene	ug/L	ND	10.0	3.1	06/07/18 01:54	
Methyl-tert-butyl ether	ug/L	ND	5.0	1.7	06/07/18 01:54	
Naphthalene	ug/L	ND	5.0	2.0	06/07/18 01:54	
o-Xylene	ug/L	ND	5.0	1.6	06/07/18 01:54	
tert-Amyl Alcohol	ug/L	ND	100	76.8	06/07/18 01:54	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	06/07/18 01:54	
tert-Butyl Alcohol	ug/L	ND	100	57.7	06/07/18 01:54	
tert-Butyl Formate	ug/L	ND	50.0	7.3	06/07/18 01:54	
Toluene	ug/L	ND	5.0	1.6	06/07/18 01:54	
Xylene (Total)	ug/L	ND	5.0	5.0	06/07/18 01:54	
1,2-Dichloroethane-d4 (S)	%	99	70-130		06/07/18 01:54	
4-Bromofluorobenzene (S)	%	101	70-130		06/07/18 01:54	
Toluene-d8 (S)	%	105	70-130		06/07/18 01:54	

LABORATORY CONTROL SAMPLE: 2296303

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	46.0	92	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	852	85	70-130	
Benzene	ug/L	50	48.2	96	70-130	
Diisopropyl ether	ug/L	50	49.7	99	70-130	
Ethanol	ug/L	2000	1820	91	70-130	
Ethyl-tert-butyl ether	ug/L	100	97.2	97	70-130	
Ethylbenzene	ug/L	50	46.8	94	70-130	
m&p-Xylene	ug/L	100	93.4	93	70-130	
Methyl-tert-butyl ether	ug/L	50	49.3	99	70-130	
Naphthalene	ug/L	50	46.8	94	70-130	
o-Xylene	ug/L	50	47.8	96	70-130	
tert-Amyl Alcohol	ug/L	1000	890	89	70-130	
tert-Amylmethyl ether	ug/L	100	95.1	95	70-130	
tert-Butyl Alcohol	ug/L	500	413	83	70-130	
tert-Butyl Formate	ug/L	400	377	94	70-130	
Toluene	ug/L	50	46.4	93	70-130	

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QUALITY CONTROL DATA

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

LABORATORY CONTROL SAMPLE: 2296303

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	141	94	70-130	
1,2-Dichloroethane-d4 (S)	%			88	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2297132 2297133

Parameter	Units	92386856002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	20.8	21.5	-193	-190	70-130	3	30	M1
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	358	328	89	82	70-130	9	30	
Benzene	ug/L	14300	20	20	137	142	-70800	-70800	70-130	3	30	M1
Diisopropyl ether	ug/L	ND	20	20	20.2	20.8	-99	-96	70-130	3	30	M1
Ethanol	ug/L	ND	800	800	815	771	102	96	70-130	5	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	40.0	40.6	100	101	70-130	1	30	
Ethylbenzene	ug/L	1430	20	20	32.5	33.8	-6980	-6970	70-130	4	30	M1
m&p-Xylene	ug/L	5650	40	40	92.8	94.4	-13900	-13900	70-130	2	30	M1
Methyl-tert-butyl ether	ug/L	677	20	20	27.1	28.2	-3250	-3250	70-130	4	30	M1
Naphthalene	ug/L	499J	20	20	25.2	24.4	-2370	-2370	70-130	3	30	M1
o-Xylene	ug/L	2530	20	20	45.9	46.8	-12400	-12400	70-130	2	30	M1
tert-Amyl Alcohol	ug/L	13400	400	400	524	485	-3230	-3240	70-130	8	30	M1
tert-Amylmethyl ether	ug/L	ND	40	40	39.8	39.9	99	100	70-130	0	30	
tert-Butyl Alcohol	ug/L	ND	200	200	183	170	92	85	70-130	7	30	
tert-Butyl Formate	ug/L	ND	160	160	125	124	78	78	70-130	0	30	
Toluene	ug/L	14600	20	20	142	148	-72500	-72500	70-130	4	30	M1
Xylene (Total)	ug/L	8180	60	60	139	141	-13400	-13400	70-130	2	30	MS
1,2-Dichloroethane-d4 (S)	%						101	99	70-130			
4-Bromofluorobenzene (S)	%						98	98	70-130			
Toluene-d8 (S)	%						98	97	70-130			

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QUALITY CONTROL DATA

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

QC Batch: 414531
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV SC
Associated Lab Samples: 92386994001, 92386994004

METHOD BLANK: 2298974
Matrix: Water
Associated Lab Samples: 92386994001, 92386994004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1.8	06/08/18 16:46	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	06/08/18 16:46	
Benzene	ug/L	ND	5.0	1.7	06/08/18 16:46	
Diisopropyl ether	ug/L	ND	5.0	1.7	06/08/18 16:46	
Ethanol	ug/L	ND	200	131	06/08/18 16:46	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.6	06/08/18 16:46	
Ethylbenzene	ug/L	ND	5.0	1.6	06/08/18 16:46	
m&p-Xylene	ug/L	ND	10.0	3.1	06/08/18 16:46	
Methyl-tert-butyl ether	ug/L	ND	5.0	1.7	06/08/18 16:46	
Naphthalene	ug/L	ND	5.0	2.0	06/08/18 16:46	
o-Xylene	ug/L	ND	5.0	1.6	06/08/18 16:46	
tert-Amyl Alcohol	ug/L	ND	100	76.8	06/08/18 16:46	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	06/08/18 16:46	
tert-Butyl Alcohol	ug/L	ND	100	57.7	06/08/18 16:46	
tert-Butyl Formate	ug/L	ND	50.0	7.3	06/08/18 16:46	
Toluene	ug/L	ND	5.0	1.6	06/08/18 16:46	
Xylene (Total)	ug/L	ND	5.0	5.0	06/08/18 16:46	
1,2-Dichloroethane-d4 (S)	%	101	70-130		06/08/18 16:46	
4-Bromofluorobenzene (S)	%	100	70-130		06/08/18 16:46	
Toluene-d8 (S)	%	100	70-130		06/08/18 16:46	

LABORATORY CONTROL SAMPLE: 2298975

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	49.2	98	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	979	98	70-130	
Benzene	ug/L	50	53.6	107	70-130	
Diisopropyl ether	ug/L	50	51.1	102	70-130	
Ethanol	ug/L	2000	2020	101	70-130	
Ethyl-tert-butyl ether	ug/L	100	100	100	70-130	
Ethylbenzene	ug/L	50	52.1	104	70-130	
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	51.1	102	70-130	
Naphthalene	ug/L	50	54.6	109	70-130	
o-Xylene	ug/L	50	53.3	107	70-130	
tert-Amyl Alcohol	ug/L	1000	963	96	70-130	
tert-Amylmethyl ether	ug/L	100	104	104	70-130	
tert-Butyl Alcohol	ug/L	500	463	93	70-130	
tert-Butyl Formate	ug/L	400	418	105	70-130	
Toluene	ug/L	50	51.0	102	70-130	

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QUALITY CONTROL DATA

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

LABORATORY CONTROL SAMPLE: 2298975

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	159	106	70-130	
1,2-Dichloroethane-d4 (S)	%			94	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2298976 2298977

Parameter	Units	92386994001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	2000	2000	2330	2300	116	115	70-130	1	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	40000	40000	42100	41900	105	105	70-130	1	30	
Benzene	ug/L	750	2000	2000	3150	3180	120	122	70-130	1	30	
Diisopropyl ether	ug/L	ND	2000	2000	2320	2300	116	115	70-130	1	30	
Ethanol	ug/L	ND	80000	80000	88100	86500	110	108	70-130	2	30	
Ethyl-tert-butyl ether	ug/L	ND	4000	4000	4500	4450	112	111	70-130	1	30	
Ethylbenzene	ug/L	4410	2000	2000	5890	6000	74	80	70-130	2	30	
m&p-Xylene	ug/L	15900	4000	4000	17400	17800	36	46	70-130	2	30	M1
Methyl-tert-butyl ether	ug/L	ND	2000	2000	2300	2280	115	114	70-130	1	30	
Naphthalene	ug/L	873	2000	2000	2930	2920	103	102	70-130	0	30	
o-Xylene	ug/L	6640	2000	2000	7840	8010	60	68	70-130	2	30	M1
tert-Amyl Alcohol	ug/L	ND	40000	40000	43800	43000	109	107	70-130	2	30	
tert-Amylmethyl ether	ug/L	ND	4000	4000	4670	4670	117	117	70-130	0	30	
tert-Butyl Alcohol	ug/L	ND	20000	20000	19300	18600	97	93	70-130	4	30	
tert-Butyl Formate	ug/L	ND	16000	16000	18300	18000	115	113	70-130	2	30	
Toluene	ug/L	16700	2000	2000	15300	15800	-72	-49	70-130	3	30	M1
Xylene (Total)	ug/L	22600	6000	6000	25200	25800	44	54	70-130	2	30	MS
1,2-Dichloroethane-d4 (S)	%						96	100	70-130			
4-Bromofluorobenzene (S)	%						99	100	70-130			
Toluene-d8 (S)	%						100	100	70-130			

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QUALITY CONTROL DATA

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

QC Batch: 414538 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92386994017, 92386994018, 92386994019, 92386994020

METHOD BLANK: 2299017 Matrix: Water
Associated Lab Samples: 92386994017, 92386994018, 92386994019, 92386994020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1.8	06/08/18 17:04	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	06/08/18 17:04	
Benzene	ug/L	ND	5.0	1.7	06/08/18 17:04	
Diisopropyl ether	ug/L	ND	5.0	1.7	06/08/18 17:04	
Ethanol	ug/L	ND	200	131	06/08/18 17:04	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.6	06/08/18 17:04	
Ethylbenzene	ug/L	ND	5.0	1.6	06/08/18 17:04	
m&p-Xylene	ug/L	ND	10.0	3.1	06/08/18 17:04	
Methyl-tert-butyl ether	ug/L	ND	5.0	1.7	06/08/18 17:04	
Naphthalene	ug/L	ND	5.0	2.0	06/08/18 17:04	
o-Xylene	ug/L	ND	5.0	1.6	06/08/18 17:04	
tert-Amyl Alcohol	ug/L	ND	100	76.8	06/08/18 17:04	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	06/08/18 17:04	
tert-Butyl Alcohol	ug/L	ND	100	57.7	06/08/18 17:04	
tert-Butyl Formate	ug/L	ND	50.0	7.3	06/08/18 17:04	
Toluene	ug/L	ND	5.0	1.6	06/08/18 17:04	
Xylene (Total)	ug/L	ND	5.0	5.0	06/08/18 17:04	
1,2-Dichloroethane-d4 (S)	%	100	70-130		06/08/18 17:04	
4-Bromofluorobenzene (S)	%	100	70-130		06/08/18 17:04	
Toluene-d8 (S)	%	99	70-130		06/08/18 17:04	

LABORATORY CONTROL SAMPLE: 2299018

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	51.3	103	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	977	98	70-130	
Benzene	ug/L	50	54.1	108	70-130	
Diisopropyl ether	ug/L	50	53.2	106	70-130	
Ethanol	ug/L	2000	2080	104	70-130	
Ethyl-tert-butyl ether	ug/L	100	105	105	70-130	
Ethylbenzene	ug/L	50	51.9	104	70-130	
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	53.1	106	70-130	
Naphthalene	ug/L	50	54.5	109	70-130	
o-Xylene	ug/L	50	53.8	108	70-130	
tert-Amyl Alcohol	ug/L	1000	956	96	70-130	
tert-Amylmethyl ether	ug/L	100	107	107	70-130	
tert-Butyl Alcohol	ug/L	500	473	95	70-130	
tert-Butyl Formate	ug/L	400	436	109	70-130	
Toluene	ug/L	50	51.2	102	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

LABORATORY CONTROL SAMPLE: 2299018

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	160	106	70-130	
1,2-Dichloroethane-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2299019 2299020

Parameter	Units	92386994019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	800	800	940	919	114	111	70-130	2	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	16000	16000	17400	17400	109	109	70-130	0	30	
Benzene	ug/L	1770	800	800	2910	2920	142	143	70-130	0	30	M1
Diisopropyl ether	ug/L	ND	800	800	933	913	117	114	70-130	2	30	
Ethanol	ug/L	ND	32000	32000	36300	35000	114	109	70-130	4	30	
Ethyl-tert-butyl ether	ug/L	ND	1600	1600	1810	1780	113	111	70-130	2	30	
Ethylbenzene	ug/L	170J	800	800	1160	1150	124	123	70-130	1	30	
m&p-Xylene	ug/L	3950	1600	1600	6080	6130	133	136	70-130	1	30	M1
Methyl-tert-butyl ether	ug/L	ND	800	800	919	910	115	114	70-130	1	30	
Naphthalene	ug/L	112J	800	800	1060	1070	118	120	70-130	1	30	
o-Xylene	ug/L	2740	800	800	3860	3840	140	138	70-130	0	30	M1
tert-Amyl Alcohol	ug/L	ND	16000	16000	18200	18000	114	113	70-130	1	30	
tert-Amylmethyl ether	ug/L	ND	1600	1600	1900	1860	119	116	70-130	2	30	
tert-Butyl Alcohol	ug/L	ND	8000	8000	8150	8090	102	101	70-130	1	30	
tert-Butyl Formate	ug/L	ND	6400	6400	6170	5990	96	94	70-130	3	30	
Toluene	ug/L	4790	800	800	5860	5900	134	139	70-130	1	30	M1
Xylene (Total)	ug/L	6680	2400	2400	9940	9970	136	137	70-130	0	30	MS
1,2-Dichloroethane-d4 (S)	%						93	93	70-130			
4-Bromofluorobenzene (S)	%						100	100	70-130			
Toluene-d8 (S)	%						99	99	70-130			

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QUALITY CONTROL DATA

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

QC Batch: 414602 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92386994005, 92386994015, 92386994022, 92386994024, 92386994026, 92386994027

METHOD BLANK: 2299350 Matrix: Water
Associated Lab Samples: 92386994005, 92386994015, 92386994022, 92386994024, 92386994026, 92386994027

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1.8	06/09/18 10:45	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	06/09/18 10:45	
Benzene	ug/L	ND	5.0	1.7	06/09/18 10:45	
Diisopropyl ether	ug/L	ND	5.0	1.7	06/09/18 10:45	
Ethanol	ug/L	ND	200	131	06/09/18 10:45	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.6	06/09/18 10:45	
Ethylbenzene	ug/L	ND	5.0	1.6	06/09/18 10:45	
m&p-Xylene	ug/L	ND	10.0	3.1	06/09/18 10:45	
Methyl-tert-butyl ether	ug/L	ND	5.0	1.7	06/09/18 10:45	
Naphthalene	ug/L	ND	5.0	2.0	06/09/18 10:45	
o-Xylene	ug/L	ND	5.0	1.6	06/09/18 10:45	
tert-Amyl Alcohol	ug/L	ND	100	76.8	06/09/18 10:45	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	06/09/18 10:45	
tert-Butyl Alcohol	ug/L	ND	100	57.7	06/09/18 10:45	
tert-Butyl Formate	ug/L	ND	50.0	7.3	06/09/18 10:45	
Toluene	ug/L	ND	5.0	1.6	06/09/18 10:45	
Xylene (Total)	ug/L	ND	5.0	5.0	06/09/18 10:45	
1,2-Dichloroethane-d4 (S)	%	98	70-130		06/09/18 10:45	
4-Bromofluorobenzene (S)	%	99	70-130		06/09/18 10:45	
Toluene-d8 (S)	%	99	70-130		06/09/18 10:45	

LABORATORY CONTROL SAMPLE: 2299351

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	49.6	99	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1010	101	70-130	
Benzene	ug/L	50	53.1	106	70-130	
Diisopropyl ether	ug/L	50	51.3	103	70-130	
Ethanol	ug/L	2000	2110	105	70-130	
Ethyl-tert-butyl ether	ug/L	100	101	101	70-130	
Ethylbenzene	ug/L	50	51.9	104	70-130	
m&p-Xylene	ug/L	100	105	105	70-130	
Methyl-tert-butyl ether	ug/L	50	51.9	104	70-130	
Naphthalene	ug/L	50	54.5	109	70-130	
o-Xylene	ug/L	50	53.5	107	70-130	
tert-Amyl Alcohol	ug/L	1000	982	98	70-130	
tert-Amylmethyl ether	ug/L	100	104	104	70-130	
tert-Butyl Alcohol	ug/L	500	462	92	70-130	
tert-Butyl Formate	ug/L	400	425	106	70-130	
Toluene	ug/L	50	50.0	100	70-130	

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QUALITY CONTROL DATA

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

LABORATORY CONTROL SAMPLE: 2299351

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	159	106	70-130	
1,2-Dichloroethane-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2299352 2299353

Parameter	Units	92386965006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	200	200	221	223	109	110	70-130	1	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	4000	4000	3960	4120	99	103	70-130	4	30	
Benzene	ug/L	1190	200	200	1450	1420	128	114	70-130	2	30	
Diisopropyl ether	ug/L	ND	200	200	225	230	113	115	70-130	2	30	
Ethanol	ug/L	ND	8000	8000	8320	8900	104	111	70-130	7	30	
Ethyl-tert-butyl ether	ug/L	ND	400	400	434	442	108	110	70-130	2	30	
Ethylbenzene	ug/L	317	200	200	561	561	122	122	70-130	0	30	
m&p-Xylene	ug/L	1120	400	400	1610	1590	122	118	70-130	1	30	
Methyl-tert-butyl ether	ug/L	187	200	200	441	441	127	127	70-130	0	30	
Naphthalene	ug/L	179	200	200	409	431	115	126	70-130	5	30	
o-Xylene	ug/L	189	200	200	432	437	122	124	70-130	1	30	
tert-Amyl Alcohol	ug/L	1990	4000	4000	5480	5720	87	93	70-130	4	30	
tert-Amylmethyl ether	ug/L	ND	400	400	468	479	117	120	70-130	2	30	
tert-Butyl Alcohol	ug/L	ND	2000	2000	2230	2390	112	119	70-130	7	30	
tert-Butyl Formate	ug/L	ND	1600	1600	998	1020	62	64	70-130	2	30	M1
Toluene	ug/L	426	200	200	650	646	112	110	70-130	1	30	
Xylene (Total)	ug/L	1310	600	600	2040	2030	122	120	70-130	0	30	
1,2-Dichloroethane-d4 (S)	%						95	94	70-130			
4-Bromofluorobenzene (S)	%						100	98	70-130			
Toluene-d8 (S)	%						98	99	70-130			

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QUALITY CONTROL DATA

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

QC Batch: 414696 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92386994009, 92386994021, 92386994023, 92386994025

METHOD BLANK: 2299699 Matrix: Water
Associated Lab Samples: 92386994009, 92386994021, 92386994023, 92386994025

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1.8	06/11/18 10:46	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	06/11/18 10:46	
Benzene	ug/L	ND	5.0	1.7	06/11/18 10:46	
Diisopropyl ether	ug/L	ND	5.0	1.7	06/11/18 10:46	
Ethanol	ug/L	ND	200	131	06/11/18 10:46	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.6	06/11/18 10:46	
Ethylbenzene	ug/L	ND	5.0	1.6	06/11/18 10:46	
m&p-Xylene	ug/L	ND	10.0	3.1	06/11/18 10:46	
Methyl-tert-butyl ether	ug/L	ND	5.0	1.7	06/11/18 10:46	
Naphthalene	ug/L	ND	5.0	2.0	06/11/18 10:46	
o-Xylene	ug/L	ND	5.0	1.6	06/11/18 10:46	
tert-Amyl Alcohol	ug/L	ND	100	76.8	06/11/18 10:46	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	06/11/18 10:46	
tert-Butyl Alcohol	ug/L	ND	100	57.7	06/11/18 10:46	
tert-Butyl Formate	ug/L	ND	50.0	7.3	06/11/18 10:46	
Toluene	ug/L	ND	5.0	1.6	06/11/18 10:46	
Xylene (Total)	ug/L	ND	5.0	5.0	06/11/18 10:46	
1,2-Dichloroethane-d4 (S)	%	101	70-130		06/11/18 10:46	
4-Bromofluorobenzene (S)	%	100	70-130		06/11/18 10:46	
Toluene-d8 (S)	%	99	70-130		06/11/18 10:46	

LABORATORY CONTROL SAMPLE: 2299700

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	49.2	98	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	865	87	70-130	
Benzene	ug/L	50	53.7	107	70-130	
Diisopropyl ether	ug/L	50	52.5	105	70-130	
Ethanol	ug/L	2000	2040	102	70-130	
Ethyl-tert-butyl ether	ug/L	100	102	102	70-130	
Ethylbenzene	ug/L	50	52.1	104	70-130	
m&p-Xylene	ug/L	100	107	107	70-130	
Methyl-tert-butyl ether	ug/L	50	51.6	103	70-130	
Naphthalene	ug/L	50	53.9	108	70-130	
o-Xylene	ug/L	50	54.2	108	70-130	
tert-Amyl Alcohol	ug/L	1000	948	95	70-130	
tert-Amylmethyl ether	ug/L	100	105	105	70-130	
tert-Butyl Alcohol	ug/L	500	428	86	70-130	
tert-Butyl Formate	ug/L	400	427	107	70-130	
Toluene	ug/L	50	51.0	102	70-130	

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QUALITY CONTROL DATA

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

LABORATORY CONTROL SAMPLE: 2299700

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	161	107	70-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2299701 2299702

Parameter	Units	92386994009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	200	200	232	237	116	119	70-130	2	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	4000	4000	3790	3600	95	90	70-130	5	30	
Benzene	ug/L	96.6	200	200	358	364	131	134	70-130	2	30	M1
Diisopropyl ether	ug/L	ND	200	200	238	244	119	122	70-130	2	30	
Ethanol	ug/L	ND	8000	8000	9050	9020	113	113	70-130	0	30	
Ethyl-tert-butyl ether	ug/L	ND	400	400	463	475	116	119	70-130	3	30	
Ethylbenzene	ug/L	95.7	200	200	349	351	126	128	70-130	1	30	
m&p-Xylene	ug/L	1820	400	400	2370	2420	138	149	70-130	2	30	M1
Methyl-tert-butyl ether	ug/L	ND	200	200	237	243	119	121	70-130	2	30	
Naphthalene	ug/L	123	200	200	359	377	118	127	70-130	5	30	
o-Xylene	ug/L	1070	200	200	1350	1390	139	158	70-130	3	30	M1
tert-Amyl Alcohol	ug/L	ND	4000	4000	4500	4410	112	110	70-130	2	30	
tert-Amylmethyl ether	ug/L	ND	400	400	471	480	118	120	70-130	2	30	
tert-Butyl Alcohol	ug/L	ND	2000	2000	2160	2130	108	107	70-130	1	30	
tert-Butyl Formate	ug/L	ND	1600	1600	1370	1370	86	86	70-130	0	30	
Toluene	ug/L	1030	200	200	1290	1310	131	143	70-130	2	30	M1
Xylene (Total)	ug/L	2890	600	600	3730	3810	138	152	70-130	2	30	MS
1,2-Dichloroethane-d4 (S)	%						97	97	70-130			
4-Bromofluorobenzene (S)	%						99	98	70-130			
Toluene-d8 (S)	%						99	100	70-130			

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QUALITY CONTROL DATA

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

QC Batch: 414010 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92386994001, 92386994002, 92386994003, 92386994004, 92386994005, 92386994006, 92386994007, 92386994008, 92386994009, 92386994010, 92386994011

METHOD BLANK: 2295645 Matrix: Water
Associated Lab Samples: 92386994001, 92386994002, 92386994003, 92386994004, 92386994005, 92386994006, 92386994007, 92386994008, 92386994009, 92386994010, 92386994011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.019	0.019	06/07/18 02:35	
1-Chloro-2-bromopropane (S)	%	107	60-140		06/07/18 02:35	

LABORATORY CONTROL SAMPLE & LCSD: 2295646 2295647

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.25	0.24	0.29	96	119	60-140	20	20	
1-Chloro-2-bromopropane (S)	%				93	116	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2295648 2295649

Parameter	Units	92386969017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	.24	.24	0.24	0.24	98	98	60-140	0	20	
1-Chloro-2-bromopropane (S)	%						92	92	60-140			

SAMPLE DUPLICATE: 2295650

Parameter	Units	92386969022 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	99	78	23		

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QUALITY CONTROL DATA

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

QC Batch: 414236 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92386994012, 92386994013, 92386994014, 92386994015, 92386994016, 92386994017, 92386994018, 92386994019, 92386994020, 92386994021, 92386994022, 92386994023, 92386994024, 92386994025, 92386994026

METHOD BLANK: 2297006 Matrix: Water
Associated Lab Samples: 92386994012, 92386994013, 92386994014, 92386994015, 92386994016, 92386994017, 92386994018, 92386994019, 92386994020, 92386994021, 92386994022, 92386994023, 92386994024, 92386994025, 92386994026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.020	06/07/18 16:56	
1-Chloro-2-bromopropane (S)	%	105	60-140		06/07/18 16:56	

LABORATORY CONTROL SAMPLE & LCSD: 2297007 2297008

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.25	0.24	0.24	98	96	60-140	2	20	
1-Chloro-2-bromopropane (S)	%				94	90	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2297010 2297011

Parameter	Units	92386740003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	.24	.24	0.56	0.39	233	160	60-140	37	20	M1,R1
1-Chloro-2-bromopropane (S)	%						95	92	60-140			

SAMPLE DUPLICATE: 2297009

Parameter	Units	92386994015 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	88	103	16		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical®
www.pacelabs.com

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
P5	The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92386994001	MW-1R	EPA 8011	414010	EPA 8011	414101
92386994002	MW-2	EPA 8011	414010	EPA 8011	414101
92386994003	MW-3	EPA 8011	414010	EPA 8011	414101
92386994004	MW-5D	EPA 8011	414010	EPA 8011	414101
92386994005	MW-6	EPA 8011	414010	EPA 8011	414101
92386994006	MW-7	EPA 8011	414010	EPA 8011	414101
92386994007	MW-8	EPA 8011	414010	EPA 8011	414101
92386994008	MW-11R	EPA 8011	414010	EPA 8011	414101
92386994009	MW-12	EPA 8011	414010	EPA 8011	414101
92386994010	MW-13	EPA 8011	414010	EPA 8011	414101
92386994011	MW-14	EPA 8011	414010	EPA 8011	414101
92386994012	MW-15	EPA 8011	414236	EPA 8011	414332
92386994013	MW-16	EPA 8011	414236	EPA 8011	414332
92386994014	MW-17R	EPA 8011	414236	EPA 8011	414332
92386994015	MW-18	EPA 8011	414236	EPA 8011	414332
92386994016	MW-25	EPA 8011	414236	EPA 8011	414332
92386994017	TFR-1	EPA 8011	414236	EPA 8011	414332
92386994018	TFR-2	EPA 8011	414236	EPA 8011	414332
92386994019	TFR-3	EPA 8011	414236	EPA 8011	414332
92386994020	TFR-4	EPA 8011	414236	EPA 8011	414332
92386994021	TFR-6	EPA 8011	414236	EPA 8011	414332
92386994022	TFR-10	EPA 8011	414236	EPA 8011	414332
92386994023	TFR-12	EPA 8011	414236	EPA 8011	414332
92386994024	DUPLICATE 1	EPA 8011	414236	EPA 8011	414332
92386994025	DUPLICATE 2	EPA 8011	414236	EPA 8011	414332
92386994026	FIELD BLANK	EPA 8011	414236	EPA 8011	414332
92386994001	MW-1R	EPA 8260	414531		
92386994002	MW-2	EPA 8260	413922		
92386994003	MW-3	EPA 8260	413922		
92386994004	MW-5D	EPA 8260	414531		
92386994005	MW-6	EPA 8260	414602		
92386994006	MW-7	EPA 8260	414085		
92386994007	MW-8	EPA 8260	414085		
92386994008	MW-11R	EPA 8260	413922		
92386994009	MW-12	EPA 8260	414696		
92386994010	MW-13	EPA 8260	413922		
92386994011	MW-14	EPA 8260	413922		
92386994012	MW-15	EPA 8260	413922		
92386994013	MW-16	EPA 8260	413922		
92386994014	MW-17R	EPA 8260	413922		
92386994015	MW-18	EPA 8260	414602		
92386994016	MW-25	EPA 8260	413922		
92386994017	TFR-1	EPA 8260	414538		

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HQ Health SS2 08932/18-6417
Pace Project No.: 92386994

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92386994018	TFR-2	EPA 8260	414538		
92386994019	TFR-3	EPA 8260	414538		
92386994020	TFR-4	EPA 8260	414538		
92386994021	TFR-6	EPA 8260	414696		
92386994022	TFR-10	EPA 8260	414602		
92386994023	TFR-12	EPA 8260	414696		
92386994024	DUPLICATE 1	EPA 8260	414602		
92386994025	DUPLICATE 2	EPA 8260	414696		
92386994026	FIELD BLANK	EPA 8260	414602		
92386994027	TRIP BLANK	EPA 8260	414602		

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Pace Analytical	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: February 7, 2018 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.06	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐

Sample Condition Upon Receipt

Client Name: MEC 1

Project #:

WO# : 92386994

92386994

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other: ☑ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No

Date/Initials Person Examining Contents: 6/4 ca 6/4/18

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☑ No ☐ N/A

Thermometer: ☐ IR Gun ID: 92T040

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp (°C): 1.7 Correction Factor: Add/Subtract (°C) +0.4

Cooler Temp Corrected (°C): 1.8

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☑ No

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? ☐ Yes ☑ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9. Nuclate/time on vials
-Includes Date/Time/ID/Analysis Matrix: WT				
Headspace in VOA Vials (>5-6mm)?	☑ Yes	☐ No	☐ N/A	10. See below
Trip Blank Present?	☑ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☑ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Headspace in following: MW (1-(3), TFR (4), Dup 1 (6), FB (2)

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: TC Date: 6/4/18

Project Manager SRF Review: TC Date: 6/4/18

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottle**

Project # WO# : 92386994

PM: RWC Due Date: 06/11/18

CLIENT: 92-MIDLAND

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, Incorrect preservative, out of temp, Incorrect containers.

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottle**

Project # **WO# : 92386994**

PM: RWC Due Date: 06/11/18

CLIENT: 92-MIDLAND

p92

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottle**

Project # WO#: 92386994

PM: RWC Due Date: 06/11/18

CLIENT: 92-MIDLAND

p 92

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 3

2241005

Section A Required Client Information:

Company: MECT
Address: 231 Dooley Rd.
Lexington, SC 29072
Email To: jle@mesi.net
Phone: 803-808-2043 Fax: 803-808-2048
Requested Due Date/TAT:

Section B Required Project Information:

Report To: B. Shane
Copy To:
Purchase Order No.:
Project Name: HQ Health Self Serve 2
Project Number: UST-08932/MECT-18-6417

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: T. Carter
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER

Site Location STATE: SC — Sumter

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: BTEX	1,2 DCA	Oxys	EDB	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-1R	WT	G			6-1-18	12:30		6				X					X	X	X	X		973069941
2	MW-2						12:20		6														odor 001
3	MW-3						13:10		6														odor 002
4	MW-4																						no odor 003
5	MW-5D	WT	G			6-1-18	13:15		6				X					X	X	X	X		DNS
6	MW-6						12:40																no odor 004
7	MW-7						11:46																no odor 005
8	MW-8						11:05																odor, sheen 006
9	MW-11R						10:20																odor, sheen 007
10	MW-12						12:05																no odor 008
11	MW-13						11:05																odor, sheen 009
12	MW-14						9:50																no odor 010
																							no odor 011

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Kyle Jacobs 06-01-18			[signature]	6-2-18	1753	1.8 / N / 1

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Kyle Jacobs

SIGNATURE of SAMPLER: Kyle Jacobs

DATE Signed (MM/DD/YY): 06-01-18

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 3

2241004

Section A Required Client Information:

Company: MECI
Address: 231 Dooley Rd. Lexington, SC 29072
Email To: jle@meci.net
Phone: 803-808-2049 Fax: 803-808-2048
Requested Due Date/TAT:

Section B Required Project Information:

Report To: B. Shane
Copy To:
Purchase Order No.:
Project Name: H & Health Self Serve 2
Project Number: UST-08932/MECI-18-6417

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: T. Carter
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER

Site Location STATE: SC — Sumter

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: BTEX	1,2-DCA	Oxys	EDB	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92306994
1	Mw-15	WT	G			6-1-18	9:35		6				X					X	X	X	X		
2	Mw-16						10:22																no odor 012
3	Mw-17R						9:50																no odor 013
4	Mw-18						9:35																no odor 014
5	Mw-19																						no odor 015
6	Mw-25	WT	G			6-1-18	10:05		6				X					X	X	X	X		DNS
7	Mw-28																						no odor 016
8	TFR-1	WT	G			6.1.18	13:05		6				X					X	X	X	X		DNS
9	TFR-2						12:35																odor, sheen 017
10	TFR-3						11:35																slight odor 018
11	TFR-4						11:65																slight odor 019
12	TFR-6						11:25																odor 020
																							odor, sheen 021

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Kyle Jacobs 06-01-18			[illegible]	6.7.18	0753	1.8 Y N Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Kyle Jacobs
SIGNATURE of SAMPLER: Kyle Jacobs
DATE Signed (MM/DD/YY): 06-01-18

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 3 of 3

2241006

Section A Required Client Information:

Company: MECI
Address: 231 Dooley Rd.
Lexington, SC 29072
Email To: jlc@meci.net
Phone: 803-808-2043 Fax: 803-808-2048
Requested Due Date/TAT:

Section B Required Project Information:

Report To: B. Shuma
Copy To:
Purchase Order No.:
Project Name: HQ Health Self Serv 2
Project Number: UST-08932/MECI-18-6417

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: T. Carter
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER

Site Location STATE: SC Sumter

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: BTEX	1,2 DCA	Oxys	EDB	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	TFR-10	WT	G			6-1-18	10:55		6				X					X	X	X	X		923806794
2	TFR-12						10:45																no odor 022
3	Duplicate 1						11:35																odor 023
4	Duplicate 2						11:25																dup-1 024
5	Field blank						13:20																dup-2 025
6	Trip blank						13:20		2														FB 026
7																							TB 027
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Kyle Jacobs 06-01-18				6-2-18	0733	1 X Y N Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Kyle Jacobs
SIGNATURE of SAMPLER: Kyle Jacobs
DATE Signed (MM/DD/YY): 06-01-18

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

APPENDIX C:

TAX MAP

(Not Applicable)

APPENDIX D:

SOIL BORING/FIELD SCREENING LOGS & 1903 FORMS

(Not Applicable)

APPENDIX E:

WELL COMPLETION LOGS & 1903 FORMS

(Not Applicable)

APPENDIX F:

AQUIFER EVALUATION SUMMARY FORMS, DATA, GRAPHS, EQUATIONS

(Not Applicable)

APPENDIX G:
DISPOSAL MANIFEST

Midlands
Environmental
Consultants, Inc.

June 28, 2018

Re: Treatment of Purge Water
HQ Heath Self Serve #2
Sumter, South Carolina
SCDHEC Site ID Number 08932
MECI Project Number 18-6417

To Whom It May Concern;

Midlands Environmental Consultants, Inc. is providing the following letter as certification that treatment of the referenced purge water complied with the conditions of "Proposed Conditions for Use of Portable Activated Carbon Units for the Treatment of Small Volumes of Petroleum Hydrocarbon Contaminated Groundwater", as described in the following:

Applicability:

Groundwater treated was obtained as a result development of wells and sampling.

Conditions:

1. The purge/bail water from all wells is mixed before usage of the Activated Carbon Unit.
2. No free-product was detected in any of the purge water drums.
3. Analytical results of from well sampling show average concentrations of petroleum hydrocarbon constituents less than 5000 parts per billion (ppb) Benzene and less than 20,000 ppb total BTEX.
4. The existing carbon pack will be replaced/reactivated every 5,000 gallons.
5. Record of usage is maintained by Contractor.
6. Any and all recommendations and conditions issued by the Manufacturer have been adhered to.
7. Any and all recommendations and conditions (even on a site by site basis) issued by the SCDHEC must be adhered to.

All purge waters were treated on-site using an up-flow treatment drum loaded with 80 pounds of activated carbon. Carbon will be loaded to a maximum of 3 pounds of total organic compounds or 5,000 gallons of development/purge water, whichever occurs first.

Post Office Box 854, Lexington SC 29071 • 231 Dooley Road, Lexington, SC 29073
Telephone: (803) 808-2043 • fax: (803) 808-2048

A total of 297.00 gallons were treated on June 1, 2018 at the referenced site.

Midlands Environmental also tracks cumulative organic compounds adsorbed on the activated carbon to ensure the capacity of carbon mass is not over-charged. This data is available upon request.

Should you have any questions or comments, please contact the undersigned.

Sincerely,
Midlands Environmental Consultants, Inc.

Jeff L. Coleman
Senior Scientist

APPENDIX H:

LOCAL ZONING REGULATIONS

(Not Applicable)

APPENDIX I:
FATE AND TRANSPORT MODELING
(Not Applicable)

APPENDIX J:

ACCESS AGREEMENTS

(Not Applicable)

APPENDIX K:

DATA VERIFICATION CHECKLIST

Contractor Checklist

Item#	Item	Yes	No	N/A
1	Are 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? (Table 2 & Figure 5)	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? (Appendix B)	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

Item#	Item	Yes	No	N/A
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? (Tables 3 & 3A)	X		
35	Have the aquifer characteristics been provided and summarized on the appropriate form? (Appendix F)			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? (Figures 4, 4A)	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 E)			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? (Appendix K)	X		

Midlands Environmental Consultants, Inc.

August 2, 2019

Mr. Thomas Gladden Jr., Hydrogeologist
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Subject: Site-Specific Work Plan
HQ Heath Self Serve 2
Sumter, South Carolina
SCDHEC Site ID Number 08932
MECI Project Number 19-7020
Certified Site Rehabilitation Contractor UCC-0009

Dear Mr. Gladden,

Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Site-Specific Work Plan for the referenced site. We hope this SSWP will expedite the planning process for future activities. **MECI also respectfully requests that the subject site be reclassified as a Class 2BB due to water supply wells located less than 1,000 feet downgradient.**

Midlands Environmental appreciates the thorough review of this document and the opportunity to offer our professional environmental services to you on this project. Please feel free to contact us at 803-808-2043 if you have any immediate questions or comments.

Sincerely,
Midlands Environmental Consultants, Inc.

Kyle V. Pudney
Project Biologist

Jeff L. Coleman
Senior Scientist

Post Office Box 854, Lexington, SC 29071 • 231 Dooley Road, Lexington, SC 29073
Telephone: (803) 808-2043 • Fax: (803) 808-2048

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

To: Mr. Thomas Gladden Jr. (SCDHEC Project Manager)
From: Jeff L. Coleman (Contractor Project Manager)
Contractor: Midlands Environmental Consultants, Inc. UST Contractor Certification Number: 009

Facility Name: HQ Heath Self Serv 2 UST Permit #: 08932
Facility Address: 501 N Guignard Drive, Sumter, SC 29150
Responsible Party: Coca Cola Bottling Company Consolidated Phone: 704-557-4023
RP Address: 4115 Coca-Cola Plaza, Charlotte, NC 28211
Property Owner (if different): JJ & P Properties LLC
Property Owner Address: 206 Tucson Drive, Sumter, SC 29150
Current Use of Property: Active Station

Scope of Work (Please check all that apply)

- ☐ IGWA
- ☐ Tier I
- ☐ Tier II
- ☑ Monitoring Well Installation
- ☑ Groundwater Sampling
- ☑ Other Subsequent Survey
- ☐ 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	3 Water Supply Wells	____ Air	2 Field Blank
39 Monitoring Wells	6 Surface Water	4 Duplicate	4 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: 10 Estimated Footage: 23' (Screened Approx. 13-23) feet per point
# of deep wells: 5 Estimated Footage: 2 x 45' & 3 x 60' (5 foot screen) feet per point
# of recovery wells: _____ Estimated Footage: _____ feet per point
Comments, if warranted:

UST Permit #: 08932 Facility Name: HQ Heath Self Serv 2

Implementation Schedule (Number of calendar days from approval)

Field Work Start-Up: 8/2/2019 Field Work Completion: 9/2/2019

Report Submittal: 10/2/2019 # of Copies Provided to Property Owners: 0

Aquifer Characterization

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

Investigation Derived Waste Disposal

Soil: 10.0 Tons Purge Water: 1,000.0 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.

-MECI respectfully requests that the site be reclassified as a Class 2BB due to water supply wells less than 1,000 feet downgradient.

-To better define the contaminant plume emanating from the site, MECI recommends installing ten shallow monitoring wells, two intermediate monitoring wells, and three deep monitoring wells (Please Find Attached Site Map with Proposed Locations). Following well installation, the wells will be developed and a subsequent survey performed. MECI will attempt to redevelop MW-4 before replacing the well. MECI will also replace MW-20 and MW-28.

-MECI will conduct a comprehensive groundwater sampling event following well installation to provide current analytical data for the site.

-All wells will be purged prior to sample collection. MECI will attempt to sample three water supply wells (WSW-3, WSW-5, and WSW-6).

-Groundwater samples collected will be analyzed for BTEXNM, 1-2 DCA, 8 Oxy's (8260B) & EDB (8011).

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: _____

N/A Well Driller as indicated in ACQAP? (Yes/No) If no, indicate driller information below.

Name of Well Driller: _____

SCLLR Certification Number: _____

None 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
June 15, 2017

Facility Name: Heath Self Serv 2

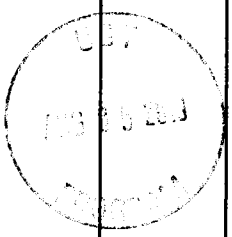
UST Permit #: 08932 **Cost Agreement #:** Proposal

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	1	each	$1,020.00	$1,020.00
B1. Personnel	7	each	$423.00	$2,961.00
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)	230	per foot	$38.00	$8,740.00
CC. Telescoping	270	per foot	$50.00	$13,500.00
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	39	per well/receptor	$60.00	$2,340.00
B1. Air or Vapors		per receptor	$12.00	$0.00
C1. Water Supply	3	per well/receptor	$22.00	$66.00
D1. Groundwater No Purge or Duplicate	9	per well/receptor	$28.00	$252.00
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	2	each	$24.60	$49.20
I. Groundwater (low flow purge)		per well/receptor	$91.00	$0.00

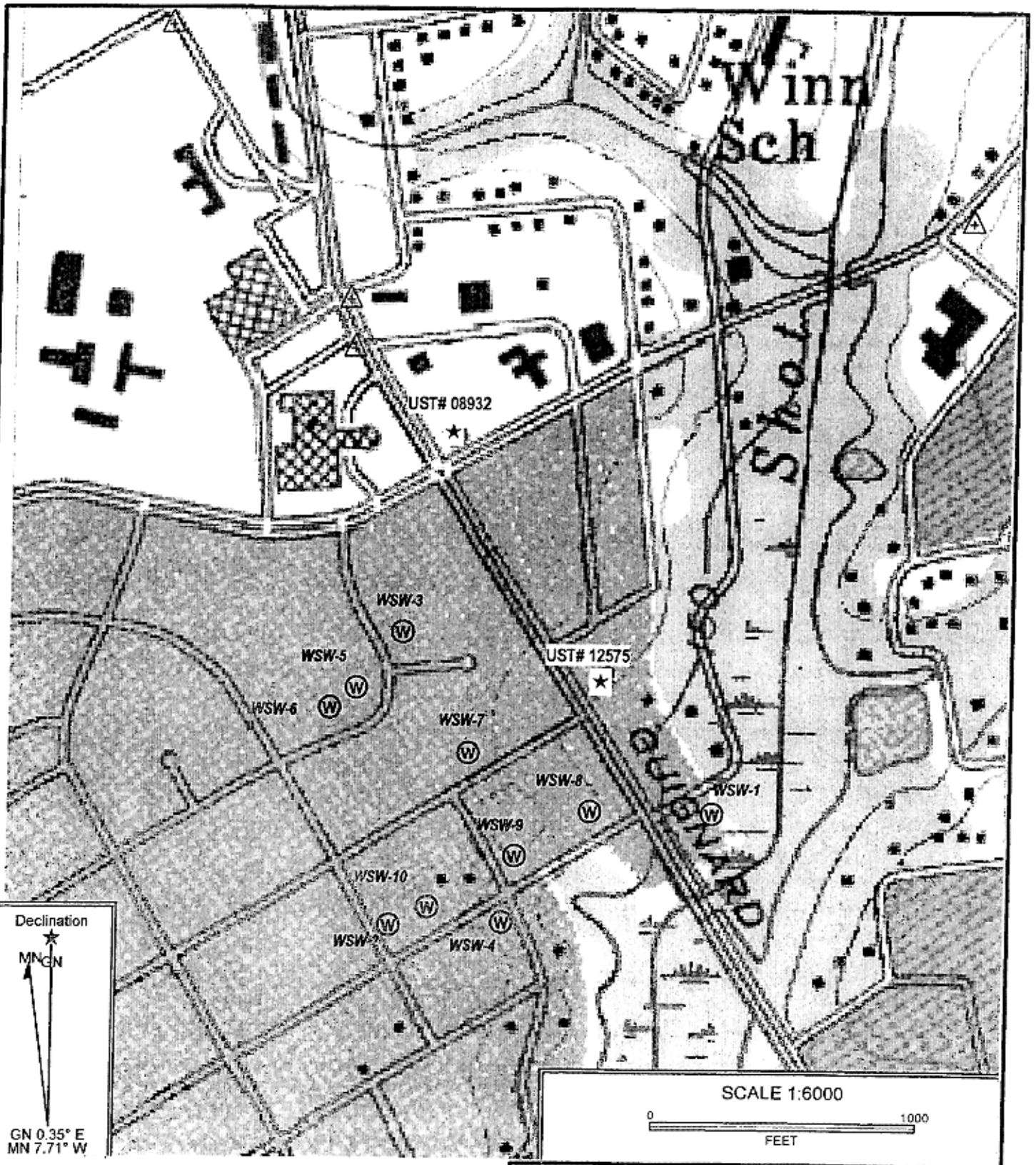
UST
AUG 0 5 2019

11. Laboratory Analyses-Groundwater					
A2. BTEXNM+Oxyg's+1,2 DCA+Eth(8260B)	52	per sample	$122.00		$6,344.00
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	49	per sample	$45.20		$2,214.80
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)	6	per sample	$124.05		$744.30
M. 7-OXYGENATES & ETHANOL (8260B)	6	per sample	$91.75		$550.50
N. EDB (504.1)	5	per sample	$79.50		$397.50
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***	1	each	$260.00		$260.00
17. Disposal (gallons or tons)*					
AA. Wastewater	1000	gallon	$0.56		$560.00
BB. Free Product		gallon	$0.50		$0.00
C1. Soil Treatment/Disposal	10	ton	$60.00		$600.00
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 Management	12%	percent	$40,749.30		$4,889.92
TOTAL					$45,639.22

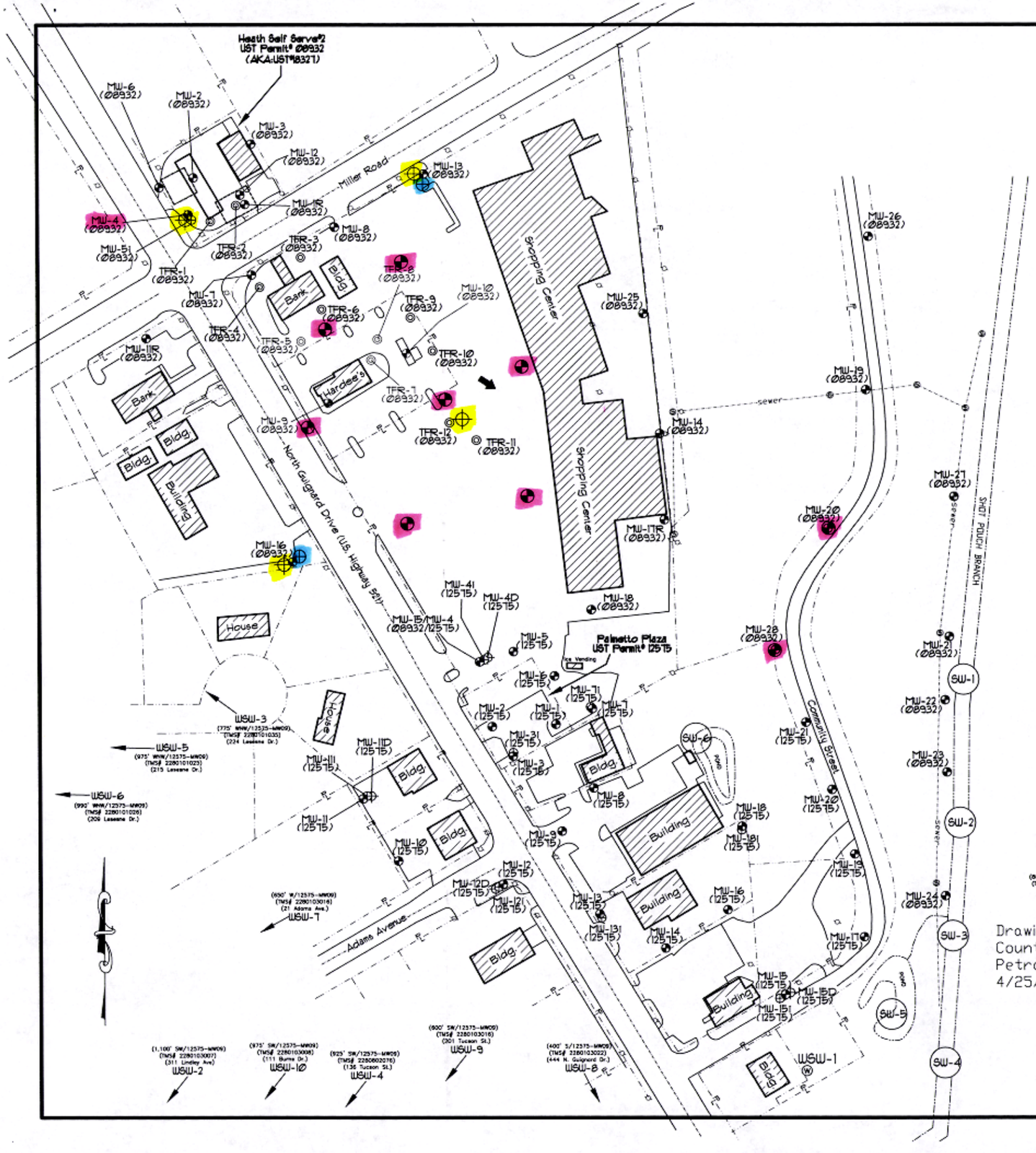


DHEC 2495 6-2017 *The appropriate mobilization cost can be added to complete these tasks, as necessary



Reference: Sumter East, South Carolina
USGS 7.5 Min. Quad
Contour Interval = 10 Feet

Midlands Environmental Consultants, Inc.	Site Location
Heath Self Serve 2 501 North Guignard Drive, Sumter, SC SCDHEC Site ID# 08932	
Figure 1	MECI 18-6417



Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of Double Cased "Deep" Monitoring Well
- Location of "Intermediate" Monitoring Well
- Location of 4-inch Recovery Well
- Location of Water Supply Well
- Location of Surface Water Sample Collection
- Estimated Groundwater Flow Direction

- Location of Proposed Double Cased "Deep" Monitoring Well
- Location of Proposed Shallow Monitoring Well
- Location of Proposed "Intermediate" Monitoring Well

Drawing Based on MECI Field Notes, Sumter County GIS Imagery and Figures by Petra-Tech Environmental, LLC., dated 4/25/2016.

GRAPHIC SCALE

0 90 180 270 360

1IN = 180FT

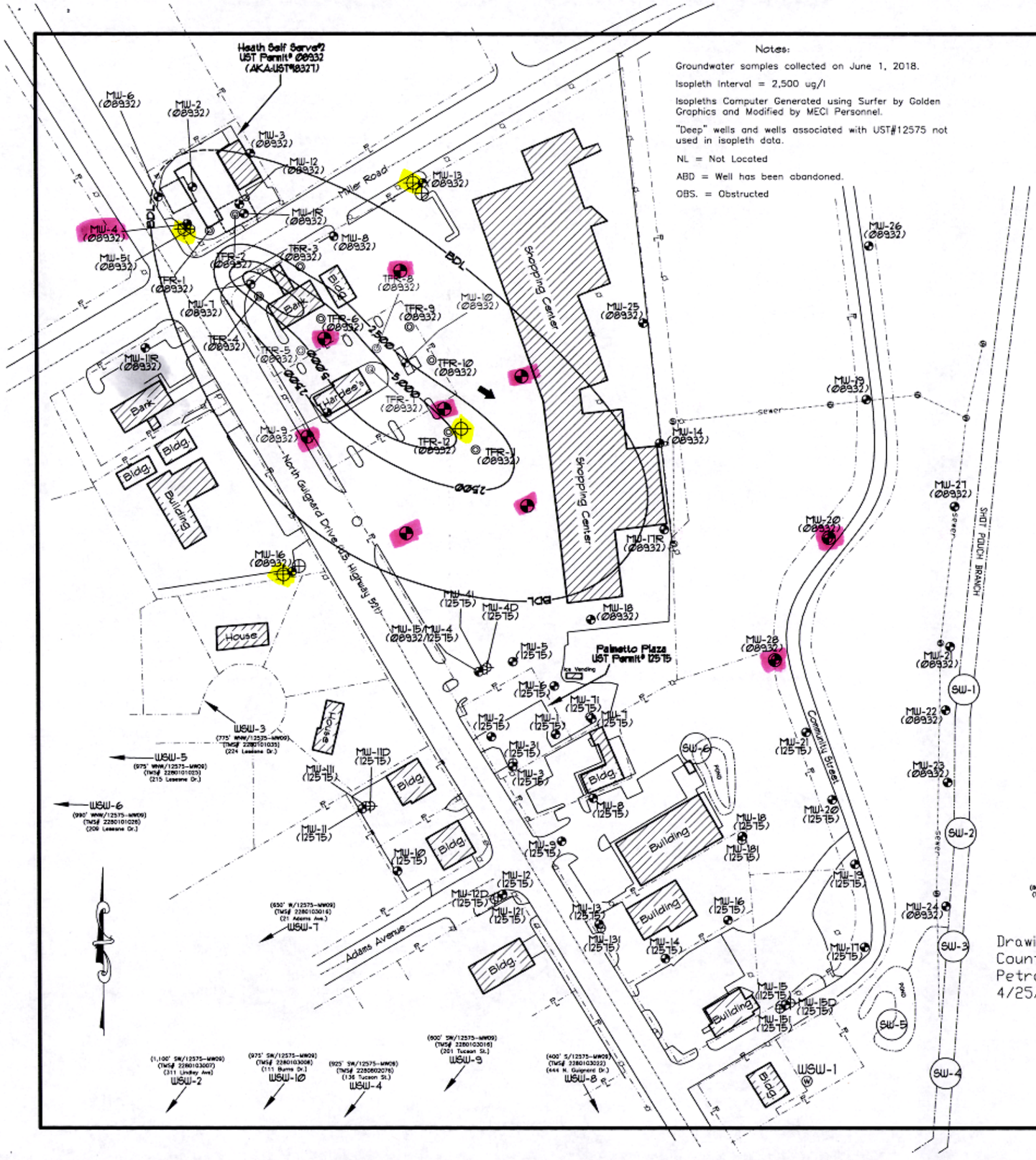
ALL LOCATIONS ARE APPROXIMATE

Proposed Monitoring Wells

HQ Heath Self Serve #2
501 North Guignard Drive
Sumter, South Carolina
SCDHEC Site ID 08932

Midlands Environmental Consultants, Inc.

JOB NO. 18-6417
DATE August 5, 2019
FIGURE 2



Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of Double Cased "Deep" Monitoring Well
- Location of "Intermediate" Monitoring Well
- Location of 4-Inch Recovery Well
- Location of Water Supply Well
- Location of Surface Water Sample Collection (SW)
- Benzene Concentration Isopleth (ug/l)

Groundwater COC Concentration Data

Sample #	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Total Xylenes (ug/l)	Naphthalene (ug/l)	MTBE (ug/l)	12 DCA (ug/l)	EDB (ug/l)
MW-1R	750	16,700	4,410	22,600	873	<500	<500	0.77
MW-2	170	39.9	25.0	22.5	<5.0	<5.0	<5.0	<0.019
MW-3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-4	OBS.	OBS.	OBS.	OBS.	OBS.	OBS.	OBS.	OBS.
MW-5D	72.0	<5.0	<5.0	10.1	8.5	30.9	<5.0	0.022
MW-6	8.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-7	9,330	34,500	2,600	23,200	719J	462J	<1,000	320
MW-8	1,340	17,900	1,880	14,500	517	<500	<500	11.4
MW-9	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
MW-10	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
MW-11R	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-12	96.6	1,030	95.7	2,890	123	<50.0	<50.0	0.028
MW-13	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-14	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.051
MW-16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-17R	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-19	NL	NL	NL	NL	NL	NL	NL	NL
MW-20	NL	NL	NL	NL	NL	NL	NL	NL
MW-21	NL	NL	NL	NL	NL	NL	NL	NL
MW-22	NL	NL	NL	NL	NL	NL	NL	NL
MW-23	NL	NL	NL	NL	NL	NL	NL	NL
MW-24	NL	NL	NL	NL	NL	NL	NL	NL
MW-25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-26	NL	NL	NL	NL	NL	NL	NL	NL
MW-27	NL	NL	NL	NL	NL	NL	NL	NL
MW-28	NL	NL	NL	NL	NL	NL	NL	NL
TFR-1	954	19,100	1,920	19,400	300J	<625	<625	48.2
TFR-2	41.3	341	38.3	611	21.2	<10.0	<10.0	0.051
TFR-3	1,770	4,790	170J	6,680	112J	<200	<200	42.0
TFR-4	77.3	363	37.2J	2,560	119	<50.0	<50.0	5.9
TFR-5	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
TFR-6	6,350	32,700	2,630	18,200	553J	<1,000	<1,000	66.3
TFR-7	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
TFR-8	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.	ABD.
TFR-9	NL	NL	NL	NL	NL	NL	NL	NL
TFR-10	23.9	69.1	6.2	40.1	<5.0	<5.0	2.7J	0.40
TFR-11	NL	NL	NL	NL	NL	NL	NL	NL
TFR-12	5,090	14,100	877	6,120	<500	<500	<500	62.4
DUP-1(TFR-3)	1,610	4,430	168	6,410	98.4J	<125	<125	72.4
DUP-2(TFR-6)	6,920	35,400	2,820	19,400	559J	<1,000	<1,000	79.3
Field Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
Trip Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT

Drawing Based on MECI Field Notes, Sumter County GIS Imagery and Figures by Petra-Tech Environmental, LLC., dated 4/25/2016.

GRAPHIC SCALE

0 90 180 270 360

1IN = 180FT

ALL LOCATIONS ARE APPROXIMATE

Groundwater CoC Site Map
(Benzene Isopleth)

HQ Heath Self Serve #2
501 North Guignard Drive
Sumter, South Carolina
SCDHEC Site ID 08932

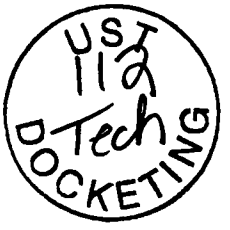
Midlands Environmental Consultants, Inc.

JOB NO. 18-6417
DATE August 5, 2019
FIGURE 4

Healthy People. Healthy Communities.

AUG 2 0 2019

COCA COLA BOTTLING CO CONSOLIDATED
4115 COCA COLA PLAZA
CHARLOTTE NC



Re: Site-Specific Work Plan and Groundwater Sampling Notice to Proceed (NTP)
H Q Health Self Serv 2, 501 N Guignard Dr, Sumter, SC
UST Permit #08932; CA #60158 UMW#27672
Release 1 reported July 31, 1996
SSWP and cost proposal received August 5, 2019
Sumter 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 for reference at https://scdhec.gov/environment/land-waste/underground-storage-tanks/release-assessment-clean/quality-assurance.

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.

A monitoring well approval has been enclosed for the monitoring well installations. The monitoring report, contractor checklist (QAPP Appendix K), and invoice for each event should be submitted to the Division within ninety (90) days of the date of this correspondence. All reports submitted for these activities should include the required information outlined in the UST QAPP.

Your contractor can submit an invoice for each completed report for direct payment from the State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. If the first invoice is not submitted within 120 days from the date of this letter, monies allocated for this cost agreement will be uncommitted. This means that invoices will not be processed for payment until all other committed funds are paid or monies become available.

Please note that Section 44-2-130 of the SUPERB Statute states that no costs will be allowed unless prior approval is obtained from the Department. 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 a 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 following each sampling event. 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 each 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. If it is determined, upon review of any report, that data acquisition and site conditions meet the requirements established in Section A6.XVIII of the QAPP, you and your contractor will be notified that a no further action or conditional no further action decision will be issued and that all further work under this cost agreement will be terminated.

On all correspondence regarding this site, please reference UST Permit #08932. Should you have any questions regarding this correspondence, please feel free to contact me by phone at (803) 898-2446, by fax at (803) 898-0673, or by e-mail at gladdet@dhec.sc.gov.

Sincerely,

Thomas Gladden Jr, Hydrogeologist
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

enc: Approved Cost Agreement (ACA)
Monitoring Well Approval Form

cc: Midlands Environmental Consultants Inc, PO Box 854, Lexington SC 29071 (w/enc.)
Technical file (with enc.)

Healthy People. Healthy Communities.

Monitoring Well Approval

Approval is hereby granted to:	Midlands Environmental Consultants Inc.
(on behalf of):	Coca Cola Bottling Co Consolidated
Facility:	H Q Health Self Serv 2, 501 N Guignard Dr, Sumter SC 29150
UST Permit Number:	08932
County:	Sumter

This approval is for the installation of ten shallow, two intermediate wells and three deep groundwater monitoring wells. The monitoring wells are to be installed in the approved locations. Monitoring wells are to be installed following the South Carolina Well Standards, R.61-71, and the applicable guidance documents.

Please note that R.61-71 requires the following:

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. All monitoring wells shall be labeled as required by R.61-71.H.2.c.
3. A Water Well Record Form or other form provided or approved by the Division shall be completed and submitted to the Division within 30 days after well completion or abandonment unless another schedule has been approved by the Division. 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 Division within 30 days of receipt of laboratory results unless another schedule has been approved by the Division as required by R.61-71.H.1.d.
5. If any of the information provided to the Division changes, notification to Thomas Gladden Jr the project manager (tel: (803) 898-2446 or e-mail: gladdet@scdhec.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. Division 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 May 27, 2016. A copy of this approval should be on the site during well installation.

Date of Issuance: 8/15/2019 **Approval #: UMW-27672**

Thomas Gladden Jr, Hydrogeologist
Corrective Action and Quality Assurance Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

Approved Cost Agreement 60158

Facility: 08932 H Q HEATH SELF SERV 2
GLADDET
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					
		A1 EQUIPMENT	1.0000	$1,020.000	1,020.00
		B1 PERSONNEL	7.0000	$423.000	2,961.00
09 WELL INSTALLATION					
		B1 WATER TABLE (DRILL RIG)	230.0000	$38.000	8,740.00
		CC TELESCOPING	270.0000	$50.000	13,500.00
10 SAMPLE COLLECTION					
		A1 GROUNDWATER (PURGE)	39.0000	$60.000	2,340.00
		C1 WATER SUPPLY	3.0000	$22.000	66.00
		D1 GROUNDWATER NO PURGE/DUPLICATE	9.0000	$28.000	252.00
		H1 FIELD BLANK	2.0000	$24.600	49.20
11 ANALYSES					
	GW GROUNDWATER	A2 BTEXNM+OXYGS+1,2-DCA+ETH-8260B	52.0000	$122.000	6,344.00
		F1 EDB BY 8011	49.0000	$45.200	2,214.80
	WATER DRINKING WATER	L BTEXNM+1,2 DCA (524.2)	6.0000	$124.050	744.30
		M 7-OXYGENATES & ETHANOL (8260B)	6.0000	$91.750	550.50
		N EDB (504.1)	5.0000	$79.500	397.50
16 SUBSEQUENT SURVEY					
		A1 SUBSEQUENT SURVEY	1.0000	$260.000	260.00
17 DISPOSAL					
		AA WASTEWATER	1,000.0000	$0.560	560.00
		C1 SOIL TREATMENT DISPOSAL	10.0000	$60.000	600.00
19 RPT/PROJECT MNGT & COORDINATIO					
		PRT REPORT PREPARATION	0.1200	$40,749.300	4,889.92
			Total Amount		45,639.22

Document Receipt Information

☒ Hard Copy ■ CD ☐ Email

Date Received 3-2-20

Permit Number 08932

Project Manager Vac - Debra Thompson

Name of Contractor MECI

UST Certification Number _____

Docket Number 113 tech

Scanned _____

Additional Assessment

ADDITIONAL ASSESSMENT REPORT

HQ Heath Self Serve #2
501 North Guignard Drive
Sumter, South Carolina
SCDHEC Site ID 08932
CA # 60158

Prepared By:

Midlands
Environmental
Consultants, Inc.
231 Dooley Road, Lexington, SC 29073
(803) 808-2043 Fax: 808-2048

February 11, 2020

MECI Project No. 19-7037

Midlands Environmental Consultants, Inc.

February 11, 2020

Mr. Thomas Gladden, Hydrogeologist
Corrective Action Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Subject: Additional Assessment Report
HQ Heath Self Serve #2
501 North Guignard Drive
Sumter, South Carolina
SCDHEC Site ID# 08932, CA# 60158
MECI Project Number 19-7037
Certified Site Rehabilitation Contractor UCC-0009

Dear Mr. Gladden,

On behalf of Coca Cola Bottling Company Consolidated, Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Additional Assessment Report for the referenced site. This report describes assessment activities conducted at the site and results of those activities in general accordance with South Carolina Department of Health and Environmental Control (SCDHEC) guidelines, including adherence to the UST Division Programmatic Quality Assurance Program Plan (QAPP).

Midlands Environmental appreciates the opportunity to offer our professional environmental services to you on this project. Please feel free to contact us at 803-808-2043 if you have any immediate questions or comments.

Sincerely,
Midlands Environmental Consultants, Inc.

Jeff L. Coleman
Senior Scientist

Bryan T. Shane, P.G.
Principal Geologist

Post Office Box 854, Lexington, SC 29071 • 231 Dooley Road, Lexington, SC 29073
Telephone: (803) 808-2043 • Fax: (803) 808-2048

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**APPENDIX C – TAX MAP DATA
**APPENDIX D – SOIL BORING/FIELD SCREENING LOGS & 1903 FORMS
APPENDIX E – WELL LOGS & 1903 FORMS
**APPENDIX F – AQUIFER EVALUATION SUMMARY FORMS, DATA, GRAPHS, EQUATIONS
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**APPENDIX H – LOCAL ZONING REGULATIONS
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APPENDIX J – ACCESS AGREEMENTS
APPENDIX K – DATA VERIFICATION CHECKLIST

NOTE: ITEMS LISTED WITH AN ** BESIDE IT WERE NOT NEEDED AS A PART OF THIS SCOPE OF WORK

1.0 INTRODUCTION

A. **Owner/Operator Information**

Facility Name:	HQ Heath Self Serve #2	UST Permit #:	08932
Facility Address:	100 Lafayette Drive, Sumter, South Carolina		
Name:	Coca-Cola Bottling Company Consolidated		
Address:	4115 Coca-Cola Plaza, Charlotte, NC 28211		
Telephone #:	(704) 557-4023 (Mr. Doug Leonard)		

B. **Property Owner Information**

Name	JJ & P Properties, LLC.
Tax Map #:	Sumter County Tax Map #: 2291603037
Address	206 Tucson Drive, Sumter, SC 29150
Telephone #	Contact: (803) 934-6750 (Mr. John M. Sutton, Jr.)

C. **Contractor Information**

Name:	Midlands Environmental Consultants, Inc.
Certification #:	009
Address:	P. O. Box 854, Lexington, SC 29071
Telephone #:	(803) 808-2043

D. **SCDHEC Certified Well Driller**

Name:	EDPS, LLC.
Driller:	Jake Kiker
Certification #:	B 02200
Address:	17538 Greenhill Road, Charlotte, NC 28278
Telephone #:	(704) 607-7529

E. **SCDHEC Certified Laboratory**

Name:	Pace Analytical Services, LLC.
Certification #:	99006001
Address:	9800 Kincey Ave. Suite 100, Huntersville, NC 28078
Telephone #:	(704) 875-9092

1.1 PROJECT INFORMATION

The subject site (HQ Heath Self Serve #2) is located at the intersection of 501 North Guignard Drive in Sumter, Sumter County, South Carolina (See Figure 1). The site is currently operated by an active gasoline service station (Corner Pantry 137/UST# 18327) which operates four active underground storage tanks (UST's). The following table presents Underground Storage Tanks (UST's) which are associated with UST # 08932:

Tank #	Capacity/Product	In Use/Abandoned	Tank Status
1	10,000 Gal. Gasoline	Abandoned	Removed (5/11/1999)
2	6,000 Gal. Gasoline	Abandoned	Removed (5/11/1999)
3	3,000 Gal. Gasoline	Abandoned	Removed (5/11/1999)
4	3,000 Gal. Gasoline	Abandoned	Removed (Unknown)
5	3,000 Gal. Gasoline	Abandoned	Removed (Unknown)
6	3,000 Gal. Gasoline	Abandoned	Removed (Unknown)
7	3,000 Gal. Gasoline	Abandoned	Removed (Unknown)
8	3,000 Gal. Multi-Hydrocarbons	Abandoned	Removed (Unknown)

Tank #	Capacity/Product	In Use/Abandoned	Tank Status
9	3,000 Gal. Gasoline	Abandoned	Removed (5/11/1999)
10	1,000 Gal. Naphtha/Mineral Spirits/Stoddard	Abandoned	Pre-1974 & Empty
11	550 Gal. Waste Oil	Abandoned	Removed (5/11/1999)

Two separate releases of petroleum product have been reported to the South Carolina Department of Health and Environmental Control (SCDHEC). Release #1 was reported in July of 1996 and confirmed in August of 1996. Release #2 was reported and confirmed in October of 1999. Release #2 was issued "no further action" status in December of 1999. Release #1 remains active and has been ranked a Class 2BB, due to the presence of a water supply wells being located less than 1,000 feet from the site.

The following table presents previous site activities performed at the site:

Date	Assessment Type	Notes:
May, 1998	Initial Groundwater Assessment (IGWA)	Completed by Kleen Sites Geoservices (KSG) of West Columbia, SC. This assessment included the installation of one groundwater monitoring well (MW-1) and collection of soil and groundwater samples. Analytical results from both the soil and groundwater collected from MW-1 indicated petroleum impact above risk-based screening levels (RBSL's).
December, 1998	Standard Limited Assessment (Tier I)	A Standard Limited Assessment (SLA) was performed at the site by KSG and included the installation of three additional groundwater monitoring wells (MW-2, MW-3, MW-4). Based on the results of the SLA, SCDHEC directed a Rapid Assessment be performed to define the horizontal and vertically extent of the contaminant plume.
November, 1999	Initial Rapid Assessment (Tier II)	An initial Rapid Assessment was completed by KSG in November of 1999 and included the installation of twelve additional monitoring wells (MW-5i, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15 and MW-16).
December, 2000	Rapid Assessment Addendum #1	To better define the vertical extent of the contaminant plume an addendum to the Rapid Assessment report was submitted to SCDHEC in December of 2000 outlining the installation of four additional groundwater monitoring wells (MW-17, MW-18, MW-19 and MW-20).
September, 2001	Rapid Assessment Addendum #2	In September of 2001, a secondary addendum to the Rapid Assessment was completed by KSG. The secondary addendum report outlined additional field screening conducted at the site and the installation of four additional monitoring wells (MW-21, MW-22, MW-23 and MW-24).
July, 2003	Rapid Assessment Addendum #3	In July of 2003, a third and final addendum to the Rapid Assessment was completed by Emerald, Inc. This final addendum report outlined additional field screening conducted at the site and the installation of three additional monitoring wells (MW-25, MW-26 and MW-27).
2004-2009	Active Corrective Action	From 2004 to 2009, remediation efforts were conducted at the site by Consultech Environmental, LLC. Remediation efforts appear to have included the installation of twelve groundwater recovery wells (TFR-1, TFR-2, TFR-3, TFR-4, TFR-5, TFR-6, TFR-7, TFR-8, TFR-9, TFR-10, TFR-11 and TFR-12) and pump and treat techniques. Remediation efforts failed to clean the site to Site Specific Target Levels (SSTL's) and remediation efforts appear to have halted in 2009.

Date	Assessment Type	Notes:
April, 2010	Monitoring Well Installation	In April of 2010, MECI submitted an additional assessment report to SCDHEC outlining the installation of four groundwater monitoring wells (MW-1R, MW-11R, MW-17R and MW-28).
August, 2011	Monitoring Well Abandonment	Due to redevelopment of a Hardee's Restaurant located within the contaminant plume emanating from the subject site, wells MW-9, MW-10, TFR-5, TFR-7 and TFR-8 were abandoned in August of 2011
April, 2011	Groundwater Sampling Event (GWS)	MECI completed a groundwater sampling event at subject site.
August, 2013	Groundwater Sampling Event (GWS)	MECI completed a groundwater sampling event at subject site.
January, 2015	Groundwater Sampling Event (GWS)	MECI completed a groundwater sampling event at subject site.
February, 2016	Groundwater Sampling Event (GWS)	MECI completed a groundwater sampling event at subject site.
June, 2018	Groundwater Sampling Event (GWS)	MECI completed a groundwater sampling event at subject site.
In addition to the above referenced groundwater sampling events, numerous Aggressive Fluid and Vapor Recovery (AFVR) events has been performed at the site in order to remove free phase petroleum product.		

The above project information is based on MECI field notes and SCDHEC files. Further information pertaining to the site may be accessed through SCDHEC's Freedom of Information Office.

2.0 SURROUNDING PROPERTY USAGE

The site is located in a commercial area within the city limits of Sumter, South Carolina. North Guignard Drive (U.S. Highway 521) forms the western property boundary, beyond which is Central Carolina Technical College. Miller Road forms the southern property boundary beyond which is a bank, Hardee's Restaurant and Palmetto Plaza. It should be noted that a release of petroleum product has been reported to SCDHEC from the Palmetto Plaza property under UST# 12575. East of the site a church and north of the site are commercial properties.

Potential receptors surrounding the site include; ten water supply wells and two surface water locales. The following matrix contains well status, owner(s), and tax map identification numbers:

ID#	Well Owner	Sumter County Tax Map Number:	Address:	Status
WSW-1	Lyde & Bertha McCaskill	2280104003	433 N. Guignard Drive	Unknown
WSW-2	Lee & Patricia Holloway	2280103007	311 Lindley Avenue	Unknown
WSW-3	Betty Elmore	2280101035	224 Lesesne Drive	Unknown
WSW-4	William & Erline Cromer	2280802076	136 Tucson Street	Unknown
WSW-5	Carolyn Elliott	2280101025	215 Lesesne Drive	Unknown
WSW-6	Grace Downing	2280101026	209 Lesesne Drive	Unknown
WSW-7	Marilyn Weathersbee	2280103016	21 Adams Avenue	Unknown
WSW-8	C&M Properties	2280103022	444 N. Guignard Drive	Unknown
WSW-9	Eliza Lewis	2280103016	201 Tucson Street	Unknown
WSW-10	Elijah & Essine Johnson	2280103008	111 Burns Drive	Unknown
Stream	N/A	Shot Pouch Branch	See Map	Unknown
Pond	David & Leanne Lovice	2280201008	14 Crowson Street	Unknown

3.0 AREA GEOLOGY AND HYDROGEOLOGY

The mean elevation of the property as depicted on the local USGS quadrangle (Sumter East, SC) appears to be between 180 feet above sea level. The site is located in the Coastal Plain Physiographic Province, which is generally comprised of Upper Cretaceous to present aged, wedge shaped formations that begin at the "Fall Line" and dip towards the Atlantic Ocean with ground surface elevations typically less than 300 feet. The sedimentary soils of these formations consist of unconsolidated sand, clay, gravel, marl, cemented sands, and limestone that were deposited unconformably over Mesozoic/Paleozoic age basement rock consisting of granite, schist, and gneiss similar to the rocks of the Piedmont Physiographic Province. The thickness of the Coastal Plain sediments varies from zero at the "Fall Line" to more than 4,000 feet at the southern tip of South Carolina near Hilton Head Island.

The Coastal Plain province was formed during Quaternary, Tertiary, and late Cretaceous geologic periods and can be divided generally into three subunits: Upper Coastal Plain, Middle Coastal Plain, and Lower Coastal Plain. The Lower Coastal Plain comprises approximately one-half of the entire Atlantic Coastal Plain of South Carolina and is separated from the middle coastal plain by the Surry Scarp, a seaward facing scarp with a toe elevation of 90 to 100 feet. The Middle Coastal Plain and the Upper Coastal Plain each compose approximately one fourth of the Coastal Plain area and are separated by the Orangeburg Scarp, a seaward facing scarp with a toe elevation of 250 to 270 feet.

The Lower Coastal Plain is typically identified as the area east of the Surry Scarp below elevation 100 feet, with a vertical stratigraphic sequence overlying the basement rock consisting of unconsolidated Cretaceous, Tertiary, and Quaternary sedimentary deposits. The surface deposits of the Lower Coastal Plain were formed during the Quaternary period which was characterized by the formation of the Carolina Bays and scarps throughout the east coast due to sea level rise and fall, the formation of the barrier islands, and the formation of flood plains from major rivers. Preceding the Quaternary period, limestone was deposited in the Lower Coastal Plain.

The Middle Coastal Plain is typically identified as the area between the Orangeburg Scarp and the Surry Scarp and falls between elevation 100 feet and 270 feet. The vertical stratigraphic sequence overlying the basement rock consists of unconsolidated Cretaceous and Tertiary sedimentary deposits formed as a result of scouring from the regressive cycles of the Ocean as it retreated. During the Eocene epoch of the Tertiary period, limestone was deposited in the Middle Coastal Plain.

The Upper Coastal Plain is typically identified as the area between the "Fall Line" and the Orangeburg Scarp and falls between elevations 270 feet and 300 feet. The Upper Coastal Plain was formed during the Tertiary and late Cretaceous periods and is marked by the formation of the Sandhills dunes as a result of fluvial deposits over the Coastal Plain consisting of marine sediments, limestone, and sand.

3.1 LOCAL SUBSURFACE CONDITIONS

The subject site is located in the Middle Coastal Plain. According to Newell et al. (In Review), the site is located within the Duplin Formation, a Pliocene aged unit. The Duplin Formation is characterized as a secondary unit consisting of sands, sandy and silty clays and very shelly sands which frequently overlie a phosphatic basal conglomerate.

Coastal plain sediments were encountered during drilling activities conducted at the site. A generalized vertical profile to the investigated depth of 60' feet below ground surface (BGS) is as follows:

Depth (Feet BGS)	Generalized Soil Description
0.0'-15.0'	Brown/Red, Silty Fine SAND
15.0'-25.0'	Brown, Fine to Medium SAND
25.0'-50.0'	Tan, Silty Fine SAND
50.0'-55.0'	Tan, Medium to Coarse SANDS
55.0'-60.0'	Blue, Fine Sandy SILT

The above descriptions provide a general summary of the subsurface conditions encountered. The attached Test Boring Records (Appendix E) contain detailed information recorded at each new monitoring well location. The Test Boring Records represent our interpretation of the field logs based on examination of the field samples. The lines designating the interfaces between various strata represent approximate boundaries, and the transition between strata may be gradational

From January 23-24, 2020, stabilized groundwater levels were measured in the monitoring wells. Depth to groundwater ranged from 0.00 to 17.38 feet below top of casing in the wells measured. The groundwater measurements are summarized in tabular form in Table 2 and on Figure 5. Groundwater levels may fluctuate several feet with seasonal and rainfall variations and with change in the water level of adjacent drainage features. Normally, the highest groundwater levels occur in late winter and spring. The lowest levels occur in late summer and fall.

Locally, in the surficial aquifer, groundwater discharges into streams, lakes or springs where the groundwater table intersects lows occupied by these water bodies. The apparent direction (based on hydraulic gradient) of groundwater flow from the release is to southeast toward the Shot Pouch Branch.

4.0 FIELD EXPLORATION

Field exploration conducted at the site included:

- Construction of groundwater monitoring wells;
- sampling of the monitoring well network and nearby receptors;
- chemical analyses of water samples; and.
- a subsequent survey of subject site.

The monitoring well locations were selected based on existing site conditions, estimated groundwater flow direction, and drilling accessibility.

4.1 MONITORING WELL INSTALLATION

From January 8-16, 2020, fifteen additional wells were installed at the site to better define the contaminant plume. These wells were installed by Environmental Drilling and Probing Services,

LLC. of Charlotte, North Carolina, (S.C. Driller Certification: Jake Kiker # B 02200). All monitoring wells were installed utilizing an Geoprobe 7822DT with mud-rotary capabilities.

Single cased monitoring wells were installed employing 7.5"-inch hollow stem augers to construct the boreholes. "Deep" monitoring wells were installed as double cased monitoring wells. During construction, a 6-inch outer casing was advanced to the appropriate depth utilizing a 10.0" inch hollow-stem augers and grouted in-place. The grout was allowed to cure and the remainder of the depth of the borehole was achieved using mud-rotary techniques, employing a 4 5/8"-inch drag bit.

The following table presents well installation details:

Well Number	Single Cased	Double Cased	Screened Interval	Total Depth (ft)
08932-MW04R	X		12.0-22.0	22.28'
08932-MW04D		X	52.0-57.0	56.70'
08932-MW13i	X		40.0-45.0	44.80'
08932-MW13D	X		53.0-58.0	57.90'
08932-MW16i	X		40.0-45.0	45.45'
08932-MW16D	X		55.0-60.0	60.06'
08932-MW29	X		10.0-20.0	20.34'
08932-MW29i		X	40.0-45.0	44.82'
08932-MW29D		X	55.0-60.0	60.04'
08932-MW30	X		10.0-20.0	20.18'
08932-MW31	X		10.0-20.0	20.00'
08932-MW32	X		10.0-20.0	19.95'
08932-MW33	X		10.0-20.0	20.57'
08932-MW34	X		10.0-20.0	20.73'
08932-MW35	X		10.0-20.0	20.77'

Drill cuttings were containerized and transported to Waste Management/Richland County Landfill in Elgin, SC by MECI. A total of 7.97 tons was disposed of in this manner. Disposal manifests for these soils is attached at the end of this report.

On January 20, 2020, the newly installed monitoring wells were developed by pumping until they were determined to be functioning properly and turbidity was reduced. These wells were developed utilizing a Mini-Monsoon well pump and disposable bailer. Development specifics are presented in Appendix E. The drum of purge water was treated by MECI personnel using a granular activated carbon drum. A total of 281.00 gallons of development water was disposed of in this manner. A disposal manifest for the treated purge water is presented in Appendix G.

4.2 MONITORING WELL SAMPLING AND CHEMICAL ANALYSES

From January 23-24, 2020 MECI personnel collected groundwater samples from forty-six (46) monitoring wells, six (6) surface water locations and three (3) water supply wells at the subject site. One (1) monitoring well (TFR-12) was gauged and determined to be dry and obstructed. As discussed in section 1.1, monitoring wells MW-9, MW-10, TFR-5, TFR-7 and TFR-8 have been previously abandoned at the site. In addition, monitoring wells MW-21 and MW-24 were unable to be located during sampling activities. As directed by SCDHEC, all monitoring wells were to be purged prior to sample collection. Forty-six (46) monitoring well was purged prior to sampling.

Prior to sampling, MECI personnel utilized an electronic water level indicator for water level measurements and an oil/water interface probe for free phase petroleum product level measurements. Where applicable, purging was completed by bailing at least five well volumes of water from the well, or until all water was evacuated from the well, whichever occurred first. Sampling/purging was completed utilizing a prepackaged, clear, disposable polyethylene bailer and nylon rope. A new set

of nitrile gloves were worn at each monitoring well, and at all time samples were handled. Field measurements of pH, conductivity, dissolved oxygen, and water temperature were obtained before well sampling process. MECI utilized YSIPro20 meter for DO (mg/L) and temperature readings (°C) and YSI Pro 1030 meters for pH and conductivity (uS) readings and a MicroTPI turbidimeter for turbidity readings (NTU). The attached Field Data Information Sheets presents the results of the field measurements obtained. The wells were sampled in accordance with the most recent revision of SCDHEC's Quality Assurance Program Plan for the Underground Storage Tank Management Division and the most recent revision of MECI's Standard Operating Procedures.

Groundwater samples obtained were sent to Pace Analytical Services, Inc. of Huntersville, NC (SCDHEC Laboratory Certification #99006001) for analysis.

The following sampling matrix contains well development and requested analyses for each well:

Sample ID	Purge	No Purge	Gauge Only	Abandoned	Not Sampled	Not Located	BTEX, Naphthalene, MTBE (EPA Method 8260-B)	EDB (EPA Method 8011)	1,2 DCA (EPA Method 8260-B)	8 Oxygenates (EPA Method 8260-B)	Total Lead (EPA Method 6010)	BTEX, Naphthalene, MTBE, 1,2 DCA (EPA Method 524.2)	EDB (EPA Method 504.1)
							Analyte Sampled						
MW-1R	X						X	X	X	X			
MW-2	X						X	X	X	X			
MW-3	X						X	X	X	X			
MW-4R	X						X	X	X	X			
MW-4D	X						X	X	X	X			
MW-5i	X						X	X	X	X			
MW-6	X						X	X	X	X			
MW-7	X						X	X	X	X			
MW-8	X						X	X	X	X			
MW-9				X									
MW-10				X									
MW-11R	X						X	X	X	X			
MW-12	X						X	X	X	X			
MW-13	X						X	X	X	X			
MW-13i	X						X	X	X	X			
MW-13D	X						X	X	X	X			
MW-14	X						X	X	X	X			
MW-15	X						X	X	X	X			
MW-16	X						X	X	X	X			
MW-16i	X						X	X	X	X			
MW-16D	X						X	X	X	X			
MW-17R	X						X	X	X	X			
MW-18	X						X	X	X	X			
MW-19	X						X	X	X	X			
MW-20	X						X	X	X	X			
MW-21						X							
MW-22	X						X	X	X	X			
MW-23	X						X	X	X	X			
MW-24						X							
MW-25	X						X	X	X	X			

Notes: BTEX = Benzene, Toluene, Ethylbenzene, & Total Xylenes
MTBE=Methyl tertiary butyl ether
1,2 DCA = 1,2 Dicloroethane
EDB = Ethylene Dibromide

Sample ID	Purge	No Purge	Gauge Only	Abandoned	Not Sampled	Not Located	BTEX, Naphthalene, MTBE (EPA Method 8260-B)	EDB (EPA Method 8011)	1,2 DCA (EPA Method 8260-B)	8 Oxygenates (EPA Method 8260-B)	Total Lead (EPA Method 6010)	BTEX, Naphthalene, MTBE, 1,2 DCA (EPA Method 524.2)	EDB (EPA Method 504.1)
							Analyte Sampled						
MW-26	X						X	X	X	X			
MW-27	X						X	X	X	X			
MW-28	X						X	X	X	X			
MW-29	X						X	X	X	X			
MW-29i	X						X	X	X	X			
MW-29D	X						X	X	X	X			
MW-30	X						X	X	X	X			
MW-31	X						X	X	X	X			
MW-32	X						X	X	X	X			
MW-33	X						X	X	X	X			
MW-34	X						X	X	X	X			
MW-35	X						X	X	X	X			
TFR-1	X						X	X	X	X			
TFR-2	X						X	X	X	X			
TFR-3	X						X	X	X	X			
TFR-4	X						X	X	X	X			
TFR-5				X									
TFR-6	X						X	X	X	X			
TFR-7				X									
TFR-8				X									
TFR-9	X						X	X	X	X			
TFR-10	X						X	X	X	X			
TFR-11	X						X	X	X	X			
TFR-12			X										
SW-1		X					X	X	X	X			
SW-2		X					X	X	X	X			
SW-3		X					X	X	X	X			
SW-4		X					X	X	X	X			
SW-5		X					X	X	X	X			
SW-6		X					X	X	X	X			
DUP-1(TFR-11)		X					X	X	X	X			
DUP-2(TFR-10)		X					X	X	X	X			
DUP-3(MW-35)		X					X	X	X	X			
Field Blank 1							X	X	X	X			
Field Blank 2							X	X	X	X			
Trip Blank 1							X		X	X			
Trip Blank 2							X		X	X			
Trip Blank 3							X		X	X			
WSW-3										X		X	X
WSW-5										X		X	X
WSW-6										X		X	X
DUP. (WSW-3)		X								X		X	X
Field Blank										X		X	X
Trip Blank										X		X	

Notes: BTEX = Benzene, Toluene, Ethylbenzene, & Total Xylenes
MTBE=Methyl tertiary butyl ether
1,2 DCA = 1,2 Dicloroethane
EDB = Ethylene Dibromide

Purge water produced by the purging process was treated on-site utilizing a granular activated carbon unit. A total of 763.00 gallons of purge water was disposed of in this manner. A disposal manifest for the referenced purge water is presented in Appendix G.

The results of the laboratory analyses are summarized in Table 3 and presented in Appendix B.

4.3 SITE SURVEY

Following the well installation, a subsequent survey was conducted by MECI personnel, utilizing a fiberglass rod, level, and tape to determine the horizontal and vertical position of the newly installed monitoring wells. A top of casing (TOC) elevation of 172.15 for 08932-MW08 and a TOC elevation of 169.85' for 08932-TFR09 were used as benchmarks for surveying purposes. Elevations were based on site datum obtained from SCDHEC files.

The following table presents site survey results:

Well Number	Top of Casing (TOC) Elevation
08932-MW04R	171.22'
08932-MW04D	171.17'
08932-MW13i	172.40'
08932-MW13D	172.34'
08932-MW16i	166.66'
08932-MW16D	166.78'
08932-MW29	169.20'
08932-MW29i	169.12'
08932-MW29D	169.08'
08932-MW30	168.05'
08932-MW31	167.65'
08932-MW32	168.07'
08932-MW33	169.33'
08932-MW34	170.36'
08932-MW35	171.18'

5.0 TEST RESULTS AND EVALUATION

The following sections discuss groundwater test results for the subject site.

5.1 GROUNDWATER ANALYTICAL RESULTS

As discussed in Section 3.1, groundwater samples obtained from the monitoring wells during the January 23-24, 2020 comprehensive groundwater sampling event were analyzed for dissolved phase petroleum constituents. Free phase petroleum product was not detected in any of the wells during sampling activities performed at the site. The analytical results indicate petroleum impact to the surficial aquifer, with the highest dissolved concentrations being detected in the areas of MW-33 and MW-35. Of the fifty-five sampling points sampled, thirty monitoring wells (MW-1R, MW-2, MW-4R, MW-4D, MW-6, MW-7, MW-8, MW-12, MW-16i, MW-16D, MW-17R, MW-19, MW-20, MW-29, MW-29i, MW-29D, MW-30, MW-31, MW-32, MW-33, MW-34, MW-35, TFR-1, TFR-2, TFR-3, TFR-4, TFR-6, TFR-9, TFR-10 and TFR-11) detected petroleum constituents above Risked Based Screening Levels (RBSL's). Petroleum constituents detected above the established RBSL include:

Compound	*RBSL (ug/l)*	*Wells Above RBSL*
Product	0.01'	N/A
Benzene	5	MW1R, MW2, MW4R, MW4D, MW6, MW7, MW8, MW12, MW16i, MW17R, MW19, MW20, MW29, MW29i, MW29D, MW30, MW31, MW32, MW33, MW34, MW35, TFR1, TFR2, TFR3, TFR4, TFR6, TFR9, TFR11
Toluene	1,000	MW1R, MW4R, MW7, MW8, MW12, MW29, MW29i, MW29D, MW30, MW31, MW32, MW33, MW34, MW35, TFR1, TFR3, TFR6, TFR10, TFR11
Ethylbenzene	700	MW1R, MW4R, MW7, MW8, MW29, MW30, MW32, MW33, MW34, MW35, TFR1, TFR6, TFR11
Total Xylenes	10,000	MW1R, MW29, MW32, MW33, MW34, MW35, TFR6, TFR11
Naphthalene	25	MW1R, MW4R, MW4D, MW7, MW8, MW12, MW19, MW29i, MW29D, MW30, MW32, MW34, TFR4, TFR6, TFR10
MTBE	40	MW19, MW29i
1,2 DCA	5	MW-17R, MW19
EDB	0.05	MW1R, MW4R, MW4D, MW7, MW8, MW16i, MW16D, MW29, MW29i, MW29D, MW30, MW31, MW32, MW33, MW34, MW35, TFR1, TFR3, TFR4, TFR6, TFR9, TFR-10, TFR11
TAA	240	MW16i, MW17R, MW19, MW20, MW30, MW31, MW33, TFR10
TAME	128	N/A
ETBA	NE	RBSL Not Established
TBA	1,400	N/A
TBF	NE	RBSL Not Established
DIPE	150	N/A
Ethanol	10,000	N/A
ETBE	47	N/A

The analytical results also detected petroleum constituents above the laboratory method detection limits and/or "J" values in monitoring wells MW5i, MW13i, MW13D, SW2, SW3, SW4 and SW5; however, the concentrations detected did not exceed the RBSL. In addition, analytical results from samples obtained from the nearby water supply wells did not indicate petroleum impact. The results of the analyses for each monitoring well and specific parameters are listed on Table 3 and provided in Appendix B.

The results of the analyses for each monitoring well and specific parameters are listed on Table 3 and provided in Appendix B.

6.0 ASSESSMENT SUMMARY & RECOMMENDATIONS

Based on the results of our sampling activities, it appears that impact to the surficial aquifer has occurred due to a release of petroleum hydrocarbons. The highest concentrations of dissolved phase contaminants appear to be located offsite in the areas of monitoring wells MW-33 and MW-35. The contaminants appear to be gasoline range constituents. Impacted groundwater appears to be moving in a southeasterly direction towards the Shot Pouch Branch.

Free phase petroleum product was not detected in any of the wells during sampling activities performed at the site. The analytical results indicate petroleum impact to the surficial aquifer, with the highest dissolved concentrations being detected in the areas of MW-33 and MW-35. Of the fifty-five sampling points sampled, thirty monitoring wells (MW-1R, MW-2, MW-4R, MW-4D, MW-6, MW-7, MW-8, MW-12, MW-16i, MW-16D, MW-17R, MW-19, MW-20, MW-29, MW-29i, MW-

29D, MW-30, MW-31, MW-32, MW-33, MW-34, MW-35, TFR-1, TFR-2, TFR-3, TFR-4, TFR-6, TFR-9, TFR-10 and TFR-11) detected petroleum constituents above Risked Based Screening Levels (RBSL's). Petroleum constituents detected above the established RBSL include:

Compound	*RBSL (ug/l)*	*Wells Above RBSL*
Product	0.01'	N/A
Benzene	5	MW1R, MW2, MW4R, MW4D, MW6, MW7, MW8, MW12, MW16i, MW17R, MW19, MW20, MW29, MW29i, MW29D, MW30, MW31, MW32, MW33, MW34, MW35, TFR1, TFR2, TFR3, TFR4, TFR6, TFR9, TFR11
Toluene	1,000	MW1R, MW4R, MW7, MW8, MW12, MW29, MW29i, MW29D, MW30, MW31, MW32, MW33, MW34, MW35, TFR1, TFR3, TFR6, TFR10, TFR11
Ethylbenzene	700	MW1R, MW4R, MW7, MW8, MW29, MW30, MW32, MW33, MW34, MW35, TFR1, TFR6, TFR11
Total Xylenes	10,000	MW1R, MW29, MW32, MW33, MW34, MW35, TFR6, TFR11
Naphthalene	25	MW1R, MW4R, MW4D, MW7, MW8, MW12, MW19, MW29i, MW29D, MW30, MW32, MW34, TFR4, TFR6, TFR10
MTBE	40	MW19, MW29i
1,2 DCA	5	MW-17R, MW19
EDB	0.05	MW1R, MW4R, MW4D, MW7, MW8, MW16i, MW16D, MW29, MW29i, MW29D, MW30, MW31, MW32, MW33, MW34, MW35, TFR1, TFR3, TFR4, TFR6, TFR9, TFR-10, TFR11
TAA	240	MW16i, MW17R, MW19, MW20, MW30, MW31, MW33, TFR10
TAME	128	N/A
ETBA	NE	RBSL Not Established
TBA	1,400	N/A
TBF	NE	RBSL Not Established
DIPE	150	N/A
Ethanol	10,000	N/A
ETBE	47	N/A

The analytical results also detected petroleum constituents above the laboratory method detection limits and/or "J" values in monitoring wells MW5i, MW13i, MW13D, SW2, SW3, SW4 and SW5; however, the concentrations detected did not exceed the RBSL. In addition, analytical results from samples obtained from the nearby water supply wells did not indicate petroleum impact. The results of the analyses for each monitoring well and specific parameters are listed on Table 3 and provided in Appendix B.

The results of the analyses for each monitoring well and specific parameters are listed on Table 3 and provided in Appendix B.

Figure 4 depicts graphically the concentrations of Benzene in the monitoring wells which bracket the watertable at the site. Figure 4A depicts graphically the concentrations of Naphthalene in the monitoring wells which bracket the watertable at the subject site. Figure 4B depicts graphically the concentrations of EDB in the monitoring wells which bracket the watertable at the subject site. Figure 4C presents the 8-Oxygenates in the groundwater at the subject site.

Overall, the contaminant plume associated with UST# 08932 does not appear to be defined vertically. MECI recommends additional assessment activities be conducted at the site to better define the contaminant plume. Recommended additional assessment activities should include:

- Soil and groundwater field screening to determine vertical extent of contaminant plume, better define horizontal extent and to determine extent of residual product.
- Installation of additional "intermediate" and "deep" monitoring wells to define vertical extent of plume.
- Collection of soil samples for grainsize and hydrometer analysis for several site-specific zones.
- Completion of several aquifer slug test.

Following the proposed additional assessment activities, a comprehensive groundwater sampling event should be conducted verify the contaminant plume is properly defined. Following definition, the site should be remodeled and new site-specific target levels generated. Considering the immense size of the contaminant plume, the historic presence of free phase petroleum plume covering a large area and sensitive habitats being located down gradient of the site, corrective action efforts appear to be necessary.

7.0 QUALIFICATIONS OF REPORT

The activities and evaluative approaches used in this assessment are consistent with those normally employed in hydrogeological assessment and waste management projects of this type. Our evaluation of site conditions has been based on our understanding of the site, project information provided to us, and data obtained in our exploration. The general subsurface conditions utilized in our evaluation have been based on interpretation of subsurface data between borings. Contents of this report are intended for the sole use of Coca-Cola Bottling Company Consolidated, MECI, and SCDHEC under mutually agreed upon terms and conditions. If other parties wish to rely on this report please contact MECI prior to their use of this information so that a mutual understanding and agreement of the terms and conditions of our services can be established.

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TABLES

TABLE 2
POTENTIOMETRIC DATA
JANUARY 23 & 24, 2020 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7037
SCDHEC SITE ID NUMBER 08932

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-1	12/28/1998	12-22	---	17.15	---	N/A	N/A
	8/18/1999		12.66	12.76	0.10	N/A	N/A
	11/1/2000		12.77	12.79	0.02	N/A	N/A
	8/21/2001		---	NL	---	N/A	NL
	8/17/2002		---	NL	---	N/A	NL
	7/17/2003		---	NL	---	N/A	NL
	2/21/2004		---	NL	---	N/A	NL
	10/20/2004		---	NL	---	N/A	NL
	8/22/2005		---	NL	---	N/A	NL
	11/28/2005		---	NL	---	N/A	NL
	3/9/2006		---	NL	---	N/A	NL
	6/29/2006		---	NL	---	N/A	NL
	6/22/2007		---	NL	---	N/A	NL
	10/1/2008		---	NL	---	N/A	NL
	4/2/2009		---	NL	---	N/A	NL
	11/12/2009		---	DRY	---	N/A	DRY
MW-1R	3/17/2010	13-23	---	16.51	---	171.85	155.34
	9/2/2010		---	16.70	---	171.85	155.15
	4/21/2011		---	17.30	---	171.85	154.55
	8/1/2013		---	17.30	---	171.85	154.55
	1/20/2015		---	17.91	---	171.85	153.94
	2/9/2016		---	16.11	---	171.85	155.74
	6/1/2018		---	16.22	---	171.85	155.63
	1/24/2020		---	15.48	---	171.85	156.37
MW-2	12/28/1998	14-24	---	16.57	---	171.75	155.18
	8/18/1999		---	Destroyed	---	171.75	Destroyed
	11/1/2000		---	Destroyed	---	171.75	Destroyed
	8/21/2001		---	Destroyed	---	171.75	Destroyed
	8/17/2002		---	20.10	---	171.75	151.65
	7/17/2003		---	17.12	---	171.75	154.63
	2/21/2004		---	17.77	---	171.75	153.98
	10/20/2004		---	17.50	---	171.75	154.25
	8/22/2005		---	17.03	---	171.75	154.72
	11/28/2005		---	17.51	---	171.75	154.24
	3/9/2006		---	16.85	---	171.75	154.90
	6/29/2006		---	17.83	---	171.75	153.92
	6/22/2007		---	18.31	---	171.75	153.44
	10/1/2008		---	18.77	---	171.75	152.98
	4/2/2009		---	17.61	---	171.75	154.14
	11/12/2009		---	18.06	---	171.75	153.69
	9/2/2010		---	16.59	---	171.75	155.16
	4/21/2011		---	17.22	---	171.75	154.53
	8/1/2013		---	16.61	---	171.75	155.14
	1/20/2015		---	17.73	---	171.75	154.02
	2/9/2016		---	14.94	---	171.75	156.81
	6/1/2018		---	16.10	---	171.75	155.65
	1/24/2020		---	15.32	---	171.75	156.43
MW-3	12/28/1998	14-24	---	18.28	---	173.70	155.42
	8/18/1999		---	18.81	---	173.70	154.89
	11/1/2000		---	20.51	---	173.70	153.19
	8/21/2001		---	21.10	---	173.70	152.60
	8/17/2002		---	21.79	---	173.70	151.91
	7/17/2003		---	18.83	---	173.70	154.87
	2/21/2004		---	19.60	---	173.70	154.10
	10/20/2004		---	19.25	---	173.70	154.45
	8/22/2005		---	18.87	---	173.70	154.83
	11/28/2005		---	19.13	---	173.70	154.57
	3/9/2006		---	19.84	---	173.70	153.86
	6/29/2006		---	17.89	---	173.70	155.81
	6/22/2007		---	NM	---	173.70	NM
	10/1/2008		---	NM	---	173.70	NM
	4/2/2009		---	NM	---	173.70	NM
	11/12/2009		---	18.57	---	173.70	155.13
	9/2/2010		---	18.32	---	173.70	155.38
	4/21/2011		---	19.15	---	173.70	154.55
	8/1/2013		---	17.93	---	173.70	155.77
	1/20/2015		---	19.55	---	173.70	154.15
	2/9/2016		---	16.62	---	173.70	157.08
	6/1/2018		---	7.85	---	173.70	165.85
	1/24/2020		---	17.08	---	173.70	156.62

TABLE 2
POTENTIOMETRIC DATA
JANUARY 23 & 24, 2020 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7037
SCDHEC SITE ID NUMBER 08932

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-4	12/28/1998*	14-24	15.89	16.14	0.25	171.17	155.24
	8/18/1999*		16.57	17.85	1.28	171.17	154.41
	11/1/2000*		17.80	20.11	2.31	171.17	153.02
	8/16/2001*		17.55	19.27	1.72	171.17	153.36
	8/17/2002*		19.47	20.80	1.33	171.17	151.50
	7/17/2003*		16.40	16.70	0.30	171.17	154.73
	2/21/2004*		17.27	17.68	0.41	171.17	153.84
	10/20/2004*		16.93	17.05	0.12	171.17	154.22
	8/22/2005		---	16.73	---	171.17	154.44
	11/28/2005		---	17.18	---	171.17	153.99
	3/9/2006		---	16.99	---	171.17	154.18
	6/29/2006		---	17.54	---	171.17	153.63
	6/22/2007		---	17.74	---	171.17	153.43
	10/1/2008		---	18.04	---	171.17	153.13
	4/2/2009		---	NM	---	171.17	NM
	11/12/2009		---	14.55	---	171.17	156.62
	9/2/2010		---	14.33	---	171.17	156.84
	4/21/2011		---	16.58	---	171.17	154.59
	8/1/2013		---	Obstructed	---	171.17	Obstructed
	1/20/2015		---	Obstructed	---	171.17	Obstructed
	2/9/2016		---	12.52	---	171.17	158.65
	6/1/2018		---	Obstructed	---	171.17	Obstructed
MW-4R	1/24/2020	12-22	---	14.77	---	171.22	156.45
MW-4D	1/24/2020	52-57	---	15.37	---	171.17	155.80
MW-5i	8/19/1999	40-45	---	17.12	---	171.15	154.03
	11/1/2000		---	19.21	---	171.15	151.94
	8/21/2001		---	19.01	---	171.15	152.14
	8/17/2002		---	21.18	---	171.15	149.97
	7/17/2003		---	17.45	---	171.15	153.70
	2/21/2004		---	17.79	---	171.15	153.36
	10/20/2004		---	17.53	---	171.15	153.62
	8/22/2005		---	17.17	---	171.15	153.98
	11/28/2005		---	17.66	---	171.15	153.49
	3/9/2006		---	17.11	---	171.15	154.04
	6/29/2006		---	18.15	---	171.15	153.00
	6/22/2007		---	18.53	---	171.15	152.62
	10/1/2008		---	18.46	---	171.15	152.69
	4/2/2009		---	17.24	---	171.15	153.91
	11/12/2009		---	17.96	---	171.15	153.19
	9/2/2010		---	16.65	---	171.15	154.50
	4/21/2011		---	17.08	---	171.15	154.07
	8/1/2013		---	16.95	---	171.15	154.20
	1/20/2015		---	17.48	---	171.15	153.67
	2/9/2016		---	14.35	---	171.15	156.80
	6/1/2018		---	16.00	---	171.15	155.15
	1/24/2020		---	15.04	---	171.15	156.11
MW-6	8/18/1999	12-22	---	17.66	---	171.25	153.59
	11/1/2000		---	18.30	---	171.25	152.95
	8/16/2001		---	17.90	---	171.25	153.35
	8/17/2002		---	19.75	---	171.25	151.50
	7/17/2003		---	16.74	---	171.25	154.51
	2/21/2004		---	17.33	---	171.25	153.92
	10/20/2004		---	16.76	---	171.25	154.49
	8/22/2005		---	16.42	---	171.25	154.83
	11/28/2005		---	16.81	---	171.25	154.44
	3/9/2006		---	17.56	---	171.25	153.69
	6/29/2006		---	18.51	---	171.25	152.74
	6/22/2007		---	17.55	---	171.25	153.70
	10/1/2008		---	17.92	---	171.25	153.33
	4/2/2009		---	14.73	---	171.25	156.52
	11/12/2009		---	15.60	---	171.25	155.65
	9/2/2010		---	15.74	---	171.25	155.51
	4/21/2011		---	16.40	---	171.25	154.85
	8/1/2013		---	16.87	---	171.25	154.38
	1/20/2015		---	Obstructed	---	171.25	Obstructed
	2/9/2016		---	14.09	---	171.25	157.16
	6/1/2018		---	15.34	---	171.25	155.91
	1/24/2020		---	14.55	---	171.25	156.70

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JANUARY 23 & 24, 2020 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7037
SCDHEC SITE ID NUMBER 08932

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-7	8/18/1999*	12-22	16.52	18.21	1.69	171.23	154.46
	11/2/2000*		17.94	20.77	2.83	171.23	152.87
	8/24/2001*		17.75	19.99	2.24	171.23	153.14
	8/17/2002*		19.40	22.00	2.60	171.23	151.44
	7/17/2003*		16.80	17.15	0.35	171.23	154.38
	2/21/2004*		17.42	18.51	1.09	171.23	153.65
	10/20/2004		---	17.39	---	171.23	153.84
	8/22/2005		Sheen	17.00	Sheen	171.23	154.23
	11/28/2005		---	17.46	---	171.23	153.77
	3/9/2006		---	17.60	---	171.23	153.63
	6/29/2006*		18.02	19.52	1.50	171.23	152.99
	6/22/2007*		17.99	19.18	1.19	171.23	153.06
	10/1/2008*		18.79	20.09	1.30	171.23	152.25
	4/2/2009		NM	NM	0.25	171.23	N/A
	11/12/2009		---	17.97	---	171.23	153.26
	9/2/2010		---	16.57	---	171.23	154.66
	4/21/2011		---	17.10	---	171.23	154.13
	8/1/2013		---	16.68	---	171.23	154.55
	1/20/2015		---	15.52	---	171.23	155.71
	2/9/2016		---	14.92	---	171.23	156.31
	6/1/2018		---	16.01	---	171.23	155.22
	1/23/2020		---	15.87	---	171.23	155.36
MW-8	8/18/1999	13-23	---	17.74	---	172.15	154.41
	11/2/2000*		18.83	21.30	2.47	172.15	152.95
	8/24/2001*		18.63	20.48	1.85	172.15	153.24
	8/17/2002*		19.96	22.60	2.64	172.15	151.79
	7/17/2003*		17.82	17.85	0.03	172.15	154.33
	2/21/2004*		18.56	18.63	0.07	172.15	153.58
	10/20/2004		---	18.30	---	172.15	153.85
	8/22/2005		---	17.90	---	172.15	154.25
	11/28/2005		---	18.35	---	172.15	153.80
	3/9/2006		---	18.49	---	172.15	153.66
	6/29/2006*		19.41	19.51	0.10	172.15	152.73
	6/22/2007		---	19.01	---	172.15	153.14
	10/1/2008*		19.54	19.64	0.10	172.15	152.60
	4/2/2009		---	18.42	---	172.15	153.73
	11/12/2009		---	18.26	---	172.15	153.89
	9/2/2010		---	17.45	---	172.15	154.70
	4/21/2011		---	17.95	---	172.15	154.20
	8/1/2013		---	17.55	---	172.15	154.60
	1/20/2015		---	18.64	---	172.15	153.51
	2/9/2016		---	15.83	---	172.15	156.32
	6/1/2018		---	17.88	---	172.15	154.27
	1/23/2020		---	16.14	---	172.15	156.01
MW-9	8/18/1999*	13-23	16.69	16.99	0.30	170.53	153.80
	11/2/2000*		17.76	20.22	2.46	170.53	152.40
	8/24/2001*		17.50	19.58	2.08	170.53	152.72
	8/17/2002*		19.11	21.42	2.31	170.53	151.07
	7/17/2003*		16.73	16.85	0.12	170.53	153.78
	2/21/2004*		17.26	17.77	0.51	170.53	153.19
	10/20/2004		---	17.25	---	170.53	153.28
	8/22/2005		---	16.80	---	170.53	153.73
	11/28/2005		---	17.33	---	170.53	153.20
	3/9/2006		---	17.32	---	170.53	153.21
	6/29/2006*		18.35	18.43	0.08	170.53	152.17
	6/22/2007		---	17.98	---	170.53	152.55
	10/1/2008		---	18.48	---	170.53	152.05
	4/2/2009		---	19.23	---	170.53	151.30
	11/12/2009		---	17.73	---	170.53	152.80
	9/2/2010		---	16.35	---	170.53	154.18
	4/21/2011		---	16.80	---	170.53	153.73
	8/1/2013		---	Abandoned	---	170.53	Abandoned
	1/20/2015		---	Abandoned	---	170.53	Abandoned
	2/9/2016		---	Abandoned	---	170.53	Abandoned
	6/1/2018		---	Abandoned	---	170.53	Abandoned

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JANUARY 23 & 24, 2020 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7037
SCDHEC SITE ID NUMBER 08932

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-10	8/18/1999	13-23	---	16.60	---	170.31	153.71
	11/2/2000*		17.51	20.36	2.85	170.31	152.37
	8/24/2001*		17.27	19.83	2.56	170.31	152.66
	8/17/2002*		18.65	21.58	2.93	170.31	151.22
	7/17/2003*		16.49	17.56	1.07	170.31	153.66
	2/21/2004*		16.94	18.65	1.71	170.31	153.11
	10/20/2004*		16.97	17.95	0.98	170.31	153.19
	8/22/2005		---	16.79	---	170.31	153.52
	11/28/2005		---	16.83	---	170.31	153.48
	3/9/2006		---	17.35	---	170.31	152.96
	6/29/2006*		18.31	18.46	0.15	170.31	151.98
	6/22/2007*		17.78	18.22	0.44	170.31	152.46
	10/1/2008*		18.58	19.16	0.58	170.31	151.64
	4/2/2009		---	18.71	---	170.31	151.60
	11/12/2009*		17.62	17.77	0.15	170.31	152.67
	9/2/2010*		16.33	16.34	0.01	170.31	153.98
	4/21/2011		---	16.74	---	170.31	153.57
	8/1/2013		---	Abandoned	---	170.31	Abandoned
	1/20/2015		---	Abandoned	---	170.31	Abandoned
	2/9/2016		---	Abandoned	---	170.31	Abandoned
	6/1/2018		---	Abandoned	---	170.31	Abandoned
MW-11	8/18/1999	13-23	---	15.95	---	N/A	N/A
	11/2/2000		---	17.66	---	N/A	N/A
	8/16/2001		---	17.23	---	N/A	N/A
	8/17/2002		---	19.30	---	N/A	N/A
	7/18/2003		---	15.96	---	N/A	N/A
	2/21/2004		---	16.51	---	N/A	N/A
	10/20/2004		---	NL	---	N/A	NL
	8/22/2005		---	NL	---	N/A	NL
	11/28/2005		---	NL	---	N/A	NL
	3/9/2006		---	NL	---	N/A	NL
	6/29/2006		---	NL	---	N/A	NL
	6/22/2007		---	NL	---	N/A	NL
	10/1/2008		---	NL	---	N/A	NL
	4/2/2009		---	NL	---	N/A	NL
	11/12/2009		---	NL	---	N/A	NL
MW-11R	3/17/2010	13-23	---	15.19	---	170.33	155.14
	9/2/2010		---	15.59	---	170.33	154.74
	4/21/2011		---	16.11	---	170.33	154.22
	8/1/2013		---	15.54	---	170.33	154.79
	1/20/2015		---	16.56	---	170.33	153.77
	2/9/2016		---	13.65	---	170.33	156.68
	6/1/2018		---	14.97	---	170.33	155.36
	1/24/2020		---	14.14	---	170.33	156.19
MW-12	8/19/1999	10-30	---	17.62	---	169.21	151.59
	11/1/2000*		18.63	21.38	2.75	169.21	150.17
	8/24/2001*		18.50	20.41	1.91	169.21	150.42
	8/17/2002*		20.08	22.73	2.65	169.21	148.73
	7/17/2003*		17.60	17.90	0.30	169.21	151.57
	2/21/2004*		18.08	19.18	1.10	169.21	150.97
	10/20/2004*		17.93	18.57	0.64	169.21	151.18
	8/22/2005		Sheen	17.65	Sheen	169.21	151.56
	11/28/2005		---	18.04	---	169.21	151.17
	3/9/2006		---	DRY	---	169.21	DRY
	6/29/2006		---	DRY	---	169.21	DRY
	6/22/2007		---	DRY	---	169.21	DRY
	10/1/2008		---	NM	---	169.21	NM
	4/2/2009		---	29.40	---	169.21	139.81
	11/12/2009		---	18.31	---	169.21	150.90
	9/2/2010		---	17.13	---	169.21	152.08
	4/21/2011		---	17.73	---	169.21	151.48
	8/1/2013		---	17.14	---	169.21	152.07
	1/20/2015		---	18.26	---	169.21	150.95
	2/9/2016		---	15.47	---	169.21	153.74
	6/1/2018		---	16.71	---	169.21	152.50
	1/24/2020		---	15.84	---	169.21	153.37

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HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7037
SCDHEC SITE ID NUMBER 08932

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-13	10/18/1999	13-23	---	18.73	---	172.43	153.70
	11/1/2000		---	19.84	---	172.43	152.59
	8/20/2001		---	19.42	---	172.43	153.01
	8/17/2002		---	20.91	---	172.43	151.52
	7/17/2003		---	18.21	---	172.43	154.22
	2/21/2004		---	19.06	---	172.43	153.37
	10/20/2004		---	18.78	---	172.43	153.65
	8/22/2005		---	18.37	---	172.43	154.06
	11/28/2005		---	18.72	---	172.43	153.71
	3/9/2006		---	18.92	---	172.43	153.51
	6/29/2006		---	19.92	---	172.43	152.51
	6/22/2007		---	17.17	---	172.43	155.26
	10/1/2008		---	NM	---	172.43	NM
	4/2/2009		---	NM	---	172.43	NM
	11/12/2009		---	19.34	---	172.43	153.09
	9/2/2010		---	17.96	---	172.43	154.47
	4/21/2011		---	18.37	---	172.43	154.06
	8/1/2013		---	17.97	---	172.43	154.46
	1/20/2015		---	19.00	---	172.43	153.43
	2/9/2016		---	16.28	---	172.43	156.15
	6/1/2018		---	17.30	---	172.43	155.13
	1/23/2020		---	16.54	---	172.43	155.89
MW-13i	1/23/2020	40-45	---	17.38	---	172.40	155.02
MW-13D	1/23/2020	53-58	---	13.80	---	172.34	158.54
MW-14	10/18/1999	10-20	---	12.81	---	164.01	151.20
	11/2/2000		---	13.98	---	164.01	150.03
	8/21/2001		---	13.83	---	164.01	150.18
	8/17/2002		---	15.13	---	164.01	148.88
	7/18/2003		---	12.81	---	164.01	151.20
	3/6/2004		---	12.35	---	164.01	151.66
	10/20/2004		---	13.21	---	164.01	150.80
	8/22/2005		---	12.91	---	164.01	151.10
	11/28/2005		---	13.28	---	164.01	150.73
	3/9/2006		---	12.61	---	164.01	151.40
	6/29/2006		---	13.65	---	164.01	150.36
	6/22/2007		---	13.76	---	164.01	150.25
	10/1/2008		---	NM	---	164.01	NM
	4/2/2009		---	12.40	---	164.01	151.61
	11/12/2009		---	13.35	---	164.01	150.66
	9/2/2010		---	12.51	---	164.01	151.50
	4/21/2011		---	12.49	---	164.01	151.52
	8/1/2013		---	11.81	---	164.01	152.20
	1/20/2015		---	12.63	---	164.01	151.38
	2/9/2016		---	10.39	---	164.01	153.62
	6/1/2018		---	11.21	---	164.01	152.80
	1/23/2020		---	10.61	---	164.01	153.40
MW-15	10/18/1999	8-18	---	11.86	---	163.92	152.06
	11/1/2000		---	13.06	---	163.92	150.86
	8/21/2001		---	12.65	---	163.92	151.27
	8/17/2002		---	14.14	---	163.92	149.78
	7/18/2003		---	11.34	---	163.92	152.58
	2/21/2004		---	11.75	---	163.92	152.17
	10/20/2004		---	13.46	---	163.92	150.46
	8/22/2005		---	11.81	---	163.92	152.11
	11/28/2005		---	12.26	---	163.92	151.66
	3/9/2006		---	13.02	---	163.92	150.90
	6/29/2006		---	12.73	---	163.92	151.19
	6/22/2007		---	12.56	---	163.92	151.36
	10/1/2008		---	NM	---	163.92	NM
	4/2/2009		---	11.44	---	163.92	152.48
	11/12/2009		---	12.35	---	163.92	151.57
	9/2/2010		---	11.05	---	163.92	152.87
	4/21/2011		---	11.24	---	163.92	152.68
	8/1/2013		---	10.53	---	163.92	153.39
	1/20/2015		---	5.61	---	163.92	158.31
	2/9/2016		---	9.95	---	163.92	153.97
	6/1/2018		---	10.70	---	163.92	153.22
	1/23/2020		---	9.53	---	163.92	154.39

TABLE 2
POTENTIOMETRIC DATA
JANUARY 23 & 24, 2020 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7037
SCDHEC SITE ID NUMBER 08932

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-16	10/18/1999	10-20	---	13.67	---	166.77	153.10
	11/1/2000		---	14.88	---	166.77	151.89
	8/16/2001		---	14.31	---	166.77	152.46
	8/17/2002		---	16.07	---	166.77	150.70
	7/18/2003		---	13.02	---	166.77	153.75
	2/21/2004		---	13.70	---	166.77	153.07
	10/20/2004		---	11.84	---	166.77	154.93
	8/22/2005		---	13.15	---	166.77	153.62
	11/28/2005		---	13.74	---	166.77	153.03
	3/9/2006		---	14.51	---	166.77	152.26
	6/29/2006		---	14.58	---	166.77	152.19
	6/22/2007		---	14.41	---	166.77	152.36
	10/1/2008		---	NM	---	166.77	NM
	4/2/2009		---	NM	---	166.77	NM
	11/12/2009		---	14.13	---	166.77	152.64
	9/2/2010		---	12.64	---	166.77	154.13
	4/21/2011		---	13.13	---	166.77	153.64
	8/1/2013		---	12.55	---	166.77	154.22
	1/20/2015		---	13.66	---	166.77	153.11
	2/9/2016		---	10.93	---	166.77	155.84
	6/1/2018		---	12.12	---	166.77	154.65
	1/23/2020		---	11.42	---	166.77	155.35
MW-16i	1/23/2020	40-45	---	11.64	---	166.66	155.02
MW-16D	1/23/2020	55-60	---	12.77	---	166.78	154.01
MW-17	11/8/2000	10-20	---	12.88	---	N/A	N/A
	8/24/2001		---	12.65	---	N/A	N/A
	8/17/2002		---	NL	---	N/A	NL
	7/18/2008		---	NL	---	N/A	NL
	2/21/2004		---	NL	---	N/A	NL
	10/20/2004		---	NL	---	N/A	NL
	8/22/2005		---	NL	---	N/A	NL
	11/28/2005		---	NL	---	N/A	NL
	3/9/2006		---	NL	---	N/A	NL
	6/29/2006		---	NL	---	N/A	NL
	6/22/2007		---	NL	---	N/A	NL
	10/1/2008		---	NL	---	N/A	NL
	4/2/2009		---	NL	---	N/A	NL
	11/12/2009		---	NL	---	N/A	NL
MW-17R	3/17/2010	10-20	---	11.73	---	163.81	152.08
	9/2/2010		---	13.05	---	163.81	150.76
	4/21/2011		---	12.55	---	163.81	151.26
	8/1/2013		---	11.65	---	163.81	152.16
	1/20/2015		---	13.63	---	163.81	150.18
	2/9/2016		---	10.18	---	163.81	153.63
	6/1/2018		---	11.02	---	163.81	152.79
	1/23/2020		---	10.47	---	163.81	153.34
MW-18	11/8/2000	10-20	---	14.93	---	165.04	150.11
	8/20/2001		---	14.43	---	165.04	150.61
	8/17/2002		---	15.83	---	165.04	149.21
	7/18/2003		---	13.39	---	165.04	151.65
	2/21/2004		---	13.43	---	165.04	151.61
	10/20/2004		---	13.80	---	165.04	151.24
	8/22/2005		---	13.50	---	165.04	151.54
	11/28/2005		---	13.87	---	165.04	151.17
	3/9/2006		---	14.41	---	165.04	150.63
	6/29/2006		---	18.02	---	165.04	147.02
	6/22/2007		---	NM	---	165.04	NM
	10/1/2008		---	NM	---	165.04	NM
	4/2/2009		---	NM	---	165.04	NM
	11/12/2009		---	0.00	---	165.04	165.04
	9/2/2010		---	4.30	---	165.04	160.74
	4/21/2011		---	13.10	---	165.04	151.94
	8/1/2013		---	12.20	---	165.04	152.84
	1/20/2015		---	13.48	---	165.04	151.56
	2/9/2016		---	10.83	---	165.04	154.21
	6/1/2018		---	11.71	---	165.04	153.33
	1/23/2020		---	11.22	---	165.04	153.82

TABLE 2
POTENTIOMETRIC DATA
JANUARY 23 & 24, 2020 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7037
SCDHEC SITE ID NUMBER 08932

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-19	11/8/2000	3-13	---	5.13	---	149.34	144.21
	8/21/2001		---	5.09	---	149.34	144.25
	8/17/2002		---	6.04	---	149.34	143.30
	7/18/2003		---	4.45	---	149.34	144.89
	3/6/2004		---	3.65	---	149.34	145.69
	10/20/2004		---	NL	---	149.34	NL
	8/22/2005		---	NL	---	149.34	NL
	11/28/2005		---	5.87	---	149.34	143.47
	3/9/2006		---	3.89	---	149.34	145.45
	6/29/2006		---	4.79	---	149.34	144.55
	6/22/2007		---	NM	---	149.34	NM
	10/1/2008		---	NM	---	149.34	NM
	4/2/2009		---	NL	---	149.34	NL
	11/12/2009		---	NL	---	149.34	NL
	3/17/2010		---	3.38	---	149.34	145.96
	9/2/2010		---	3.11	---	149.34	146.23
	4/21/2011		---	3.96	---	149.34	145.38
	8/1/2013		---	3.04	---	149.34	146.30
	1/20/2015		---	3.51	---	149.34	145.83
	2/9/2016		---	2.69	---	149.34	146.65
	6/1/2018		---	NL	---	149.34	NL
	1/24/2020		---	2.94	---	149.34	146.40
MW-20	11/8/2000	3-13	---	3.40	---	173.24	169.84
	8/21/2001		---	3.59	---	173.24	169.65
	8/17/2002		---	4.67	---	173.24	168.57
	7/18/2003		---	2.71	---	173.24	170.53
	3/6/2004		---	1.85	---	173.24	171.39
	10/20/2004		---	NL	---	173.24	NL
	8/22/2005		---	NL	---	173.24	NL
	11/28/2005		---	6.14	---	173.24	167.10
	3/9/2006		---	2.89	---	173.24	170.35
	6/29/2006		---	1.54	---	173.24	171.70
	6/22/2007		---	2.86	---	173.24	170.38
	10/1/2008		---	NM	---	173.24	NM
	4/2/2009		---	1.61	---	173.24	171.63
	11/12/2009		---	1.92	---	173.24	171.32
	9/2/2010		---	26.35	---	173.24	146.89
	4/21/2011		---	NL	---	173.24	NL
	8/1/2013		---	NL	---	173.24	NL
	1/20/2015		---	NL	---	173.24	NL
	2/9/2016		---	NL	---	173.24	NL
	6/1/2018		---	NL	---	173.24	NL
	1/23/2020		---	4.00	---	173.24	169.24
MW-21	8/20/2001	3-8	---	2.90	---	145.46	142.56
	8/18/2002		---	2.43	---	145.46	143.03
	7/18/2003		---	0.70	---	145.46	144.76
	3/6/2004		---	0.00	---	145.46	145.46
	10/20/2004		---	1.22	---	145.46	144.24
	8/22/2005		---	NL	---	145.46	NL
	11/28/2005		---	6.21	---	145.46	139.25
	3/9/2006		---	1.71	---	145.46	143.75
	6/29/2006		---	1.50	---	145.46	143.96
	6/22/2007		---	NM	---	145.46	NM
	10/1/2008		---	NM	---	145.46	NM
	4/2/2009		---	NL	---	145.46	NL
	11/12/2009		---	0.07	---	145.46	145.39
	9/2/2010		---	NL	---	145.46	NL
	4/21/2011		---	1.75	---	145.46	143.71
	8/1/2013		---	NL	---	145.46	NL
	1/20/2015		---	NL	---	145.46	NL
	2/9/2016		---	NL	---	145.46	NL
	6/1/2018		---	NL	---	145.46	NL
	1/24/2020		---	NL	---	145.46	NL

TABLE 2
POTENTIOMETRIC DATA
JANUARY 23 & 24, 2020 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7037
SCDHEC SITE ID NUMBER 08932

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-22	8/20/2001	3-13	---	2.50	---	145.86	143.36
	8/18/2002		---	2.40	---	145.86	143.46
	7/18/2003		---	0.85	---	145.86	145.01
	3/6/2004		---	0.00	---	145.86	145.86
	10/20/2004		---	0.60	---	145.86	145.26
	8/22/2005		---	NL	---	145.86	NL
	11/28/2005		---	5.88	---	145.86	139.98
	3/9/2006		---	2.15	---	145.86	143.71
	6/29/2006		---	1.13	---	145.86	144.73
	6/22/2007		---	NM	---	145.86	NM
	10/1/2008		---	NM	---	145.86	NM
	4/2/2009		---	NL	---	145.86	NL
	11/12/2009		---	0.95	---	145.86	144.91
	9/2/2010		---	NL	---	145.86	NL
	4/21/2011		---	1.65	---	145.86	144.21
	8/1/2013		---	NL	---	145.86	NL
	1/20/2015		---	NL	---	145.86	NL
	2/9/2016		---	NL	---	145.86	NL
	6/1/2018		---	NL	---	145.86	NL
	1/23/2020		---	1.63	---	145.86	144.23
MW-23	8/20/2001	3-13	---	0.60	---	145.47	144.87
	8/18/2002		---	0.93	---	145.47	144.54
	7/18/2003		---	0.10	---	145.47	145.37
	3/6/2004		---	0.00	---	145.47	145.47
	10/20/2004		---	0.60	---	145.47	144.87
	8/22/2005		---	NL	---	145.47	NL
	11/28/2005		---	5.91	---	145.47	139.56
	3/9/2006		---	2.02	---	145.47	143.45
	6/29/2006		---	0.00	---	145.47	145.47
	6/22/2007		---	NM	---	145.47	NM
	10/1/2008		---	NM	---	145.47	NM
	4/2/2009		---	NL	---	145.47	NL
	11/12/2009		---	0.00	---	145.47	145.47
	9/2/2010		---	NL	---	145.47	NL
	4/21/2011		---	0.60	---	145.47	144.87
	8/1/2013		---	NL	---	145.47	NL
	1/20/2015		---	NL	---	145.47	NL
	2/9/2016		---	NL	---	145.47	NL
	6/1/2018		---	NL	---	145.47	NL
	1/23/2020		---	0.00	---	145.47	145.47
MW-24	8/20/2001	3-13	---	0.70	---	144.62	143.92
	8/18/2002		---	0.65	---	144.62	143.97
	7/18/2003		---	0.08	---	144.62	144.54
	3/6/2004		---	0.00	---	144.62	144.62
	10/20/2004		---	0.60	---	144.62	144.02
	8/22/2005		---	NL	---	144.62	NL
	11/28/2005		---	5.77	---	144.62	138.85
	3/9/2006		---	NL	---	144.62	NL
	6/29/2006		---	1.00	---	144.62	143.62
	6/22/2007		---	NM	---	144.62	NM
	10/1/2008		---	NM	---	144.62	NM
	4/2/2009		---	NL	---	144.62	NL
	11/12/2009		---	NL	---	144.62	NL
	9/2/2010		---	NL	---	144.62	NL
	4/21/2011		---	NL	---	144.62	NL
	8/1/2013		---	NL	---	144.62	NL
	1/20/2015		---	NL	---	144.62	NL
	2/9/2016		---	NL	---	144.62	NL
	6/1/2018		---	NL	---	144.62	NL
	1/24/2020		---	NL	---	144.62	NL

TABLE 2
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JANUARY 23 & 24, 2020 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7037
SCDHEC SITE ID NUMBER 08932

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-25	7/18/2003	6-16	---	10.08	---	162.47	152.39
	3/6/2004		---	**9.87**	---	**162.47**	**152.60**
	10/20/2004		---	10.61	---	162.47	151.86
	8/22/2005		---	10.28	---	162.47	152.19
	11/28/2005		---	9.78	---	162.47	152.69
	3/9/2006		---	10.33	---	162.47	152.14
	6/29/2006		---	11.15	---	162.47	151.32
	6/22/2007		---	NM	---	162.47	NM
	10/1/2008		---	NM	---	162.47	NM
	4/2/2009		---	10.06	---	162.47	152.41
	11/12/2009		---	11.14	---	162.47	151.33
	9/2/2010		---	9.80	---	162.47	152.67
	4/21/2011		---	9.85	---	162.47	152.62
	8/1/2013		---	9.16	---	162.47	153.31
	1/20/2015		---	10.33	---	162.47	152.14
	2/9/2016		---	7.56	---	162.47	154.91
	6/1/2018		---	8.50	---	162.47	153.97
	1/23/2020		---	7.75	---	162.47	154.72
MW-26	7/18/2003	5-15	---	5.51	---	150.23	144.72
	3/6/2004		---	4.00	---	150.23	146.23
	10/20/2004		---	5.56	---	150.23	144.67
	8/22/2005		---	NL	---	150.23	NL
	11/28/2005		---	10.22	---	150.23	140.01
	3/9/2006		---	5.19	---	150.23	145.04
	6/29/2006		---	5.81	---	150.23	144.42
	6/22/2007		---	NM	---	150.23	NM
	10/1/2008		---	NM	---	150.23	NM
	4/2/2009		---	4.11	---	150.23	146.12
	11/12/2009		---	NL	---	150.23	NL
	9/2/2010		---	NL	---	150.23	NL
	4/21/2011		---	NL	---	150.23	NL
	8/1/2013		---	NL	---	150.23	NL
	1/20/2015		---	NL	---	150.23	NL
	2/9/2016		---	NL	---	150.23	NL
	6/1/2018		---	NL	---	150.23	NL
	1/23/2020		---	3.25	---	150.23	146.98
MW-27	7/18/2003	6-16	---	2.05	---	146.19	144.14
	3/6/2004		---	0.00	---	146.19	146.19
	10/20/2004		---	1.53	---	146.19	144.66
	8/22/2005		---	NL	---	146.19	NL
	11/28/2005		---	5.91	---	146.19	140.28
	3/9/2006		---	1.68	---	146.19	144.51
	6/29/2006		---	1.68	---	146.19	144.51
	6/22/2007		---	NM	---	146.19	NM
	10/1/2008		---	NM	---	146.19	NM
	4/2/2009		---	NL	---	146.19	NL
	11/12/2009		---	2.19	---	146.19	144.00
	9/2/2010		---	NL	---	146.19	NL
	4/21/2011		---	3.00	---	146.19	143.19
	8/1/2013		---	NL	---	146.19	NL
	1/20/2015		---	NL	---	146.19	NL
	2/9/2016		---	NL	---	146.19	NL
	6/1/2018		---	NL	---	146.19	NL
	1/24/2020		---	2.51	---	146.19	143.68
MW-28	3/17/2010	2-12	---	4.81	---	153.73	148.92
	9/2/2010		---	5.65	---	153.73	148.08
	4/21/2011		---	5.31	---	153.73	148.42
	8/1/2013		---	1.51	---	153.73	152.22
	1/20/2015		---	2.00	---	153.73	151.73
	2/9/2016		---	3.18	---	153.73	150.55
	6/1/2018		---	NL	---	153.73	NL
	1/23/2020		---	4.16	---	153.73	149.57
MW-29	1/23/2020	10-20	---	13.73	---	169.20	155.47
MW-29i	1/23/2020	40-45	---	14.11	---	169.12	155.01
MW-29D	1/23/2020	55-60	---	14.72	---	169.08	154.36
MW-30	1/23/2020	10-20	---	10.48	---	168.05	157.57
MW-31	1/23/2020	10-20	---	13.52	---	167.65	154.13
MW-32	1/23/2020	10-20	---	13.09	---	168.07	154.98
MW-33	1/23/2020	10-20	---	13.85	---	169.33	155.48
MW-34	1/23/2020	10-20	---	14.28	---	170.36	156.08
MW-35	1/23/2020	10-20	---	13.72	---	171.18	157.46
TFR-1	9/2/2010	TD: 24.40'	---	16.31	---	171.56	155.25
	4/21/2011		---	**16.95**	---	**171.56**	**154.61**
	8/1/2013		---	**17.31**	---	**171.56**	**154.25**
	1/20/2015		---	**17.40**	---	**171.56**	**154.16**
	2/9/2016		---	14.74	---	171.56	156.82
	6/1/2018		---	15.87	---	171.56	155.69
	1/24/2020		---	15.18	---	171.56	156.38

TABLE 2
POTENTIOMETRIC DATA
JANUARY 23 & 24, 2020 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7037
SCDHEC SITE ID NUMBER 08932

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
TFR-2	9/2/2010	TD: 24.00'	---	16.80	---	172.02	155.22
	4/21/2011		---	17.61	---	172.02	154.41
	8/1/2013		---	17.10	---	172.02	154.92
	1/20/2015		---	18.86	---	172.02	153.16
	2/9/2016		---	15.34	---	172.02	156.68
	6/1/2018		---	16.50	---	172.02	155.52
	1/24/2020		---	15.63	---	172.02	156.39
TFR-3	9/2/2010*	TD: 25.20'	16.79	16.88	0.09	171.48	154.68
	4/21/2011		---	17.33	---	171.48	154.15
	8/1/2013		---	16.92	---	171.48	154.56
	1/20/2015		---	17.87	---	171.48	153.61
	2/9/2016		---	15.20	---	171.48	156.28
	6/1/2018		---	16.23	---	171.48	155.25
	1/23/2020		---	15.55	---	171.48	155.93
TFR-4	9/2/2010*	TD: 24.30'	16.65	16.70	0.05	171.35	154.69
	4/21/2011*		17.31	17.55	0.24	171.35	154.00
	8/1/2013		---	16.87	---	171.35	154.48
	1/20/2015		---	17.70	---	171.35	153.65
	2/9/2016		---	15.11	---	171.35	156.24
	6/1/2018		---	16.20	---	171.35	155.15
	1/23/2020			15.62	---	171.35	155.73
TFR-5	9/2/2010	TD: 25.00'	---	0.30	---	171.34	171.04
	4/21/2011		---	0.00	---	171.34	171.34
	8/1/2013		---	Abandoned	---	171.34	Abandoned
	1/20/2015		---	Abandoned	---	171.34	Abandoned
	2/9/2016		---	Abandoned	---	171.34	Abandoned
	6/1/2018		---	Abandoned	---	171.34	Abandoned
TFR-6	9/2/2010	TD: 22.18'	---	16.65	---	171.03	154.38
	4/21/2011		---	17.14	---	171.03	153.89
	8/1/2013		---	16.80	---	171.03	154.23
	1/20/2015*		16.48	16.50	0.02	171.03	154.55
	2/9/2016		---	15.05	---	171.03	155.98
	6/1/2018		---	16.57	---	171.03	154.46
	1/23/2020		---	12.62	---	171.03	158.41
TFR-7	9/2/2010*	TD: 25.00'	16.55	16.57	0.02	170.92	154.37
	4/21/2011*		16.98	18.40	1.42	170.92	153.73
	8/1/2013		---	Abandoned	---	170.92	Abandoned
	1/20/2015		---	Abandoned	---	170.92	Abandoned
	2/9/2016		---	Abandoned	---	170.92	Abandoned
	6/1/2018		---	Abandoned	---	170.92	Abandoned
TFR-8	9/2/2010	TD: 25.00'	---	16.65	---	170.74	154.09
	4/21/2011		---	17.09	---	170.74	153.65
	8/1/2013		---	Abandoned	---	170.74	Abandoned
	1/20/2015		---	Abandoned	---	170.74	Abandoned
	2/9/2016		---	Abandoned	---	170.74	Abandoned
	6/1/2018		---	Abandoned	---	170.74	Abandoned
TFR-9	9/2/2010	TD: 25.01'	---	15.84	---	169.85	154.01
	4/21/2011		---	16.22	---	169.85	153.63
	8/1/2013		---	16.10	---	169.85	153.75
	1/20/2015		---	NL	---	169.85	NL
	2/9/2016		---	NL	---	169.85	NL
	6/1/2018		---	NL	---	169.85	NL
	1/23/2020		---	14.61	---	169.85	155.24
TFR-10	9/2/2010	TD: 24.92'	---	15.19	---	168.99	153.80
	4/21/2011		---	15.56	---	168.99	153.43
	8/1/2013		---	16.08	---	168.99	152.91
	1/20/2015		---	16.69	---	168.99	152.30
	2/9/2016		---	14.31	---	168.99	154.68
	6/1/2018		---	15.17	---	168.99	153.82
	1/23/2020		---	13.94	---	168.99	155.05
TFR-11	9/2/2010	TD: 25.03'	---	15.28	---	168.71	153.43
	4/21/2011		---	15.59	---	168.71	153.12
	8/1/2013		---	15.33	---	168.71	153.38
	1/20/2015		---	NL	---	168.71	NL
	2/9/2016		---	NL	---	168.71	NL
	6/1/2018		---	NL	---	168.71	NL
	1/23/2020		---	14.08	---	168.71	154.63
TFR-12	9/2/2010*	TD: 20.00'	15.24	16.15	0.91	172.28	156.90
	4/21/2011		---	15.80	---	172.28	156.48
	8/1/2013*		15.56	15.59	0.03	172.28	156.72
	1/20/2015		---	16.00	---	172.28	156.28
	2/9/2016		---	13.60	---	172.28	158.68
	6/1/2018		---	14.48	---	172.28	157.80
	1/23/2020		---	Obstructed	---	172.28	Obstructed

Notes:

1. Elevations based on assumed site datum.
2. Groundwater depths were measured from the top of the PVC riser pipe.
3. Groundwater levels measured on 1/23/2020-1/24/2020.
4. NL = Not Located
5. NM = Not Measured
6. * = Grounwater elevation corrected for the presence of free product using a specific gravity of 0.85.

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
JANUARY 23 & 24, 2020 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7037
SCDHEC ID NUMBER 08932

Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (mg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*
		5	*1,000*	*700*	*10,000*	*25*	*40*	*5*	*0.05*	*15*	*240*	*128*	*NE*	*1,400*	*NE*	*150*	*10,000*	*47*
MW-1	12/28/1998	**1,760**	**14,600**	**3,460**	**8,580**	**449**	<5.0	NT	NT	**144**	NT	NT	NT	NT	NT	NT	NT	NT
	8/18/1999	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	11/1/2000	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	8/21/2001	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	8/17/2002	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	7/17/2003	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	2/21/2004	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	10/20/2004	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	8/22/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/28/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	3/9/2006	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/29/2006	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/22/2007	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	10/1/2008	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/2/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/12/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-1R	3/17/2010	**2,840**	**34,800**	**5,860**	**28,500**	**829**	<250	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	**3,990**	**33,200**	**5,270**	**24,600**	<1,250	<1,250	<1,250	**26.3**	NT	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
	4/21/2011	**2,790**	**28,100**	**4,710**	**22,700**	**544J**	<1,250	<1,250	**16.0**	NT	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
	8/1/2013	**830**	**14,000**	**3,400**	**17,000**	**540**	<500	<500	**3.6**	NT	**1,600J**	<1,000	<10,000	<10,000	<10,000	<1,000	<100,000	<10,000
	1/20/2015	**998J**	**19,100**	**2,850**	**15,400**	<1,250	<5.0	<5.0	**2.6**	NT	**913**	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	2/9/2016	**499**	**8,820**	**2,100**	**11,400**	**388**	<250	<250	**2.4**	NT	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	6/1/2018	**750**	**16,700**	**4,410**	**22,600**	**873**	<500	<500	**0.77**	NT	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
	1/24/2020	**266**	**9,320**	**3,780**	**17,600**	**518**	<250	<250	**0.38**	NT	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
MW-2	12/28/1998	**794**	**5,590**	**1,800**	**4,370**	**236**	<5.0	NT	NT	**19**	NT	NT	NT	NT	NT	NT	NT	NT
	8/18/1999	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/1/2000	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	8/21/2001	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	8/17/2002	**69.0**	**101**	**81.1**	**188**	**5.80**	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/17/2003	**280**	**680**	**726**	**2,120**	**6.60**	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	2/21/2004	**77.8**	**84.4**	**140**	**212**	**5.40**	**4.5**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	**9,600**	**46,000**	**7,100**	**30,000**	**13,000**	**510**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	**390**	**100**	**270**	**480**	**50**	**31**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	**54**	**49**	**53**	**200**	**53**	**110**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	**8,600**	**43,000**	**3,900**	**22,000**	**270**	**2,500**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	**350**	**280**	**270**	**790**	<100	**400**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	**220**	**40**	**180**	**150**	<100	**370**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/1/2008	**262**	**452**	**501**	**862**	**40**	**202**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	4/2/2009	**367**	**920**	**947**	**2,189**	**113**	**103**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/12/2009	**168**	**167**	**254**	**374**	**7.2**	**27.2**	**<5.0**	<0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	**133**	**230**	**344**	**465**	**6.5J**	**39.3**	<10.0	<0.019	NT	**<200**	**<20.0**	<200	<200	<100	**<10.0**	<400	**<20.0**
	4/21/2011	**183**	**272**	**474**	**588**	<10.0	**12.6**	<10.0	<0.019	NT	**<200**	**<20.0**	<200	<200	<100	**<10.0**	<400	**<20.0**
	8/1/2013	**21**	**85**	**120**	**270**	**4.9J**	**0.47J**	**<5.0**	<0.020	NT	**16J**	**<10**	**16J**	<100	<100	<10	<1,000	<100
	1/20/2015	**7.7**	**3.9J**	**15.3**	**23.9**	**<5.0**	<5.0	**<5.0**	<0.020	NT	<100	**<10.0**	<100	<100	**<50.0**	**<5.0**	**<200**	<10.0
	2/9/2016	**20.1**	**9.5**	**158**	**118**	**<5.0**	<5.0	**<5.0**	<0.020	NT	<100	**<10.0**	<100	<100	**<50.0**	**<5.0**	**<200**	<10.0
	6/1/2018	**170**	**39.9**	**25.0**	**22.5**	**<5.0**	<5.0	**<5.0**	<0.019	NT	<100	**<10.0**	<100	<100	**<50.0**	**3.7J**	**<200**	<10.0
	1/24/2020	**77.5**	**10.1**	**75.8**	**17.9**	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-3	12/28/1998	<5.0	<5.0	<5.0	<15.0	**<5.0**	<5.0	NT	NT	<3.0	NT	NT	NT	NT	NT	NT	NT	NT
	8/18/1999	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	<5.0	NT	**<5.0**	**<0.0030**	NT	NT	NT	NT	NT	NT	NT	NT
	11/1/2000	**2.41**	**1.27**	**2.76**	**21.77**	**196**	<1.0	NT	**<1.0**	**<0.005**	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/2001	**27**	**7.2**	**<5.0**	**20**	**<5.0**	<5.0	NT	<0.021	**<0.003**	NT	NT	NT	NT	NT	NT	NT	NT
	8/17/2002	**5.1**	**12.1**	**4.4**	**37.9**	ND	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/17/2003	**1.3**	**1.6**	ND	**11.5**	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	2/21/2004	<1.0	**1.1**	<1.0	**6.7**	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	**7.1**	**4.0**	**3.4**	**34**	**<5.0**	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	**<1**	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	**<5.0**	**9.4**	<5.0	**7.8**	<25	<5.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/1/2008	NS	NS	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	4/2/2009	NS	NS	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/12/2009	**1,050**	**11,300**	**3,400**	**15,900**	**496**	<250	**<250**	**1.3**	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	**<5.0**	**<5.0**	**<5.0**	**3.0J**	**<5.0**	<5.0	**<5.0**	<0.019	NT	<100	<10.0	<100	<100	<50.0	**<5.0**	**<200**	<10.0
	4/21/2011	**<5.0**	**<5.0**	**<5.0**	<10.0	**<5.0**	<5.0	**<5.0**	<0.019	NT	<100	<10.0	<100	<100	<50.0	**<5.0**	**<200**	<10.0
	8/1/2013	**4.8J**	**260**	**230**	**2,000**	**160**	<50	**<50**	**0.76**	NT	**160J**	<100	<1,000	<1,000	<1,000	**5.6J**	<10,000	<1,000
	1/20/2015	<5.0	**<5.0**	<5.0	<10.0	**<5.0**	<5.0	**<5.0**	<0.020	NT	<100	<10.0	<100	<100	<50.0	**<5.0**	**<200**	<10.0
	2/9/2016	<5.0	**<5.0**	<5.0	<10.0	**<5.0**	<5.0	**<5.0**	<0.020	NT	<100	<10.0	<100	<100	**<50.0**	**<5.0**	**<200**	<10.0
	6/1/2018	<5.0	**<5.0**	<5.0	<5.0	**<5.0**	<5.0	**<5.0**	<0.019	NT	<100	<10.0	<100	<100	**<50.0**	**<5.0**	**<200**	<10.0
	1/24/2020	<5.0	**<5.0**	<5.0	<5.0	<5.0	<5.0	<5.0	<0.021	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
JANUARY 23 & 24, 2020 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7037
SCDHEC ID NUMBER 08932

Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (mg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	*RBSL 1,000*	*RBSL 700*	*RBSL 10,000*	*RBSL 25*	*RBSL 40*	*RBSL 5*	*RBSL 0.05*	*RBSL 15*	*RBSL 240*	*RBSL 128*	*RBSL NE*	*RBSL 1,400*	*RBSL NE*	*RBSL 150*	*RBSL 10,000*	*RBSL 47*
MW-4	12/28/1998*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	8/18/1999*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	11/1/2000*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	8/16/2001*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	8/17/2002*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	7/17/2003*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	2/21/2004*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	10/20/2004*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	8/22/2005	720	13,000	5,900	40,000	2,300	250	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	590	1,200	89	4,100	180	150	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	57	150	180	150	150	26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	640	1,400	<1	4,000	120	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	30	140	14	240	13	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/1/2008	132	1,030	11	562	11	2	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	4/2/2009	1	2.16	1	1	2	2	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/12/2009	16.9	78.7	4.9J	44.8	<5.0	5.2	<5.0	0.14	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	665	4,280	358	3,200	45.9	132	1.3J	0.50	NT	172	12.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/21/2011	656	2,280	59.2J	1,320	<125	263	<125	0.12	NT	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
	8/1/2013	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed
	1/20/2015	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed
	2/9/2016	47.9	622	119	673	<25.0	<25.0	<25.0	0.049	NT	<500	<50.0	<500	<500	<250	<25.0	<1,000	<50.0
	6/1/2018	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed
MW-4R	1/24/2020	140	3,830	871	4,250	124J	<125	<125	0.91	NT	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
MW-4D	1/24/2020	14.1J	194	65.1	1,550	32.7	<25.0	<25.0	0.15	NT	<500	<50.0	<500	<500	<250	<25.0	<1,000	<50.0
MW-5i	8/19/1999	<5.0	<5.0	<5.0	<5.0	9.7	<5.0	NT	<5.0	<0.0030	NT	NT	NT	NT	NT	NT	NT	NT
	11/1/2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NT	<1.0	<0.005	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/2001	<5.0	<5.0	<5.0	5.1	<5.0	<5.0	NT	<0.021	<0.003	NT	NT	NT	NT	NT	NT	NT	NT
	8/17/2002	ND	3.8	ND	3.2	ND	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/17/2003	ND	ND	ND	1.5	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	2/21/2004	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	2.0	81	74	370	74	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	<10	120	170	990	140	<10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	1.7	8.6	<1	50	8.4	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	13	29.0	<1.0	93.0	12	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	1	17.0	3.9	20.0	<5.0	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/1/2008	6,120	51,700	3,540	17,580	206	900	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	4/2/2009	1	1	1	1	2	10.2	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/12/2009	<5.0	<5.0	<5.0	<10.0	<5.0	24.1	<5.0	<0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	<5.0	<5.0	<5.0	7.1J	4.8J	29.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/21/2011	<5.0	<5.0	<5.0	<10.0	<5.0	33.9	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/1/2013	0.31J	<5.0	<5.0	<5.0	<5.0	16	<5.0	<0.019	NT	<100	<10	<100	<100	<100	<10	<1,000	<100
	1/20/2015	242	<5.0	<5.0	45.3	6.6	120	<5.0	<0.019	NT	188	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	2/9/2016	<5.0	<5.0	<5.0	<10.0	<5.0	4.9J	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/2018	72.0	<5.0	<5.0	10.1	8.5	30.9	<5.0	0.022	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	1/24/2020	<5.0	<5.0	<5.0	<10.0	2.7J	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-6	8/18/1999	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<5.0	<0.0030	NT	NT	NT	NT	NT	NT	NT	NT
	11/1/2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NT	<1.0	<0.005	NT	NT	NT	NT	NT	NT	NT	NT
	8/16/2001	<5.0	6.5	<5.0	12	<5.0	<5.0	NT	<0.020	0.028	NT	NT	NT	NT	NT	NT	NT	NT
	8/17/2002	8.8	4.5	ND	8.2	ND	3.2	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/17/2003	48.5	33.2	31.8	129	ND	5.9	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	2/21/2004	14.0	<1.0	3.2	7.5	<5.00	3.4	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	7,900	30,000	15,000	77,000	9,100	<250	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	200	56	39	130	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	600	240	170	400	<500	<100	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	330	70	58	75	<50	<10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	400	190	96	300	<5	8.9	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	77	62	33	180	<5.0	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/1/2008	2	6	7	17	2	2	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	4/2/2009	1	1	1	1	2	2	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/12/2009	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	<5.0	<5.0	2.6J	3.1J	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/21/2011	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/1/2013	20	3.0J	11	52	<5.0	<5.0	<5.0	<0.020	NT	36J	<10	<100	<100	<100	<10	<1,000	<100
	1/20/2015	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	2/9/2016	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/2018	8.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	2.0J	<200	<10.0
	1/24/2020	15.2	<5.0	2.4J	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
JANUARY 23 & 24, 2020 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7037
SCDHEC ID NUMBER 08932

Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (mg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	*RBSL 1,000*	*RBSL 700*	*RBSL 10,000*	*RBSL 25*	*RBSL 40*	*RBSL 5*	*RBSL 0.05*	*RBSL 15*	*RBSL 240*	*RBSL 128*	*RBSL NE*	*RBSL 1,400*	*RBSL NE*	*RBSL 150*	*RBSL 10,000*	*RBSL 47*
MW-7	8/18/1999*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	11/2/2000*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	8/24/2001*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	8/17/2002*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	7/17/2003*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	2/21/2004*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	10/20/2004	21,000	47,000	9,400	37,000	1,100	5,400	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	13,000	57,000	17,000	82,000	11,000	4,300	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	16,000	40,000	7,100	34,000	1,200	4,300	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	19,000	70,000	8,200	45,000	<1,000	6,400	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	6/22/2007*	17,000	52,000	7,000	35,000	1,900	3,400	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/1/2008*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	4/2/2009	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	11/12/2009	16,100	50,000	4,550	24,500	638	1,970	<500	239	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	13,900	40,500	4,790	30,800	<2,500	2,720	<2,500	253	NT	<50,000	<5,000	<50,000	<50,000	<25,000	<2,500	<100,000	<5,000
	4/21/2011	11,100	29,300	2,730	25,800	769J	2,840	<1,250	151	NT	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
	8/1/2013	10,000	52,000	5,000	31,000	1,800J	310J	<2,500	120	NT	7,300J	<5,000	<50,000	<50,000	<50,000	<5,000	<500,000	<50,000
	1/20/2015	11,700	42,200	3,280	21,900	1,500	1,000	82.4J	174	NT	6,000	203	<2,000	<2,000	<1,000	<100	<4,000	<200
	2/9/2016	9,270	38,300	3,620	30,300	1,240J	<1,250	<1,250	148	NT	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
	6/1/2018	9,330	34,500	2,600	23,200	719J	462J	<1,000	320	NT	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
	1/23/2020	8,750	34,200	2,480	20,600	656J	<1,250	<1,250	127	NT	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
MW-8	8/18/1999	2,300	10,000	1,300	5,900	1,200	<5.0	NT	38	0.13	NT	NT	NT	NT	NT	NT	NT	NT
	11/2/2000*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	8/24/2001*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	8/17/2002*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	7/17/2003*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	2/21/2004*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	10/20/2004	1,700	11,000	2,300	9,400	1,000	<25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	6,000	30,000	6,600	32,000	1,700	200	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	5,300	29,000	5,000	27,000	<1,000	<200	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	1,800	13,000	2,800	17,000	410	<20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008*	761	3,050	810	10,060	1,370	40	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	4/2/2009	683	2,300	690	7,660	370	40	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/12/2009	647	2,100	404	3,700	164	<125	<125	7.4	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	1,090	6,930	749	6,820	369	<100	<100	8.8	NT	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	4/21/2011	1,660	7,480	665	7,550	391	<250	<250	21.5	NT	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	8/1/2013	1,300	4,200	840	8,900	480	<250	<250	16	NT	2,600J	<500	<5,000	<5,000	<5,000	<500	<50,000	<5,000
	1/20/2015	2,160	11,600	932	11,300	680	<125	<125	29.0	NT	5,610	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
	2/9/2016	1,370	11,700	687	8,440	448J	<500	<500	22.9	NT	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
	6/1/2018	1,340	17,900	1,880	14,500	517	<500	<500	11.4	NT	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
	1/23/2020	397	6,190	1,010	7,130	318	<250	<250	4.5	NT	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
MW-9	8/18/1999*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	11/2/2000*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	8/24/2001*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	8/17/2002*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	7/17/2003*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	2/21/2004*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	10/20/2004	20,000	48,000	9,800	50,000	10,000	590	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	23,000	77,000	15,000	75,000	4,400	270	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	190	350	45	230	7.1	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	22,000	60,000	3,800	24,000	560.0	170	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006*	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP	FPP
	6/22/2007	4,900	31,000	3,700	26,000	2,600	<50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/1/2008	2,850	13,400	1,790	17,340	1,820	40	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	4/2/2009	12,200	33,800	2,850	27,390	941	273	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/12/2009	13,100	33,800	2,000	24,300	757	73.2J	390	598	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	14,500	29,500	1,630	21,200	1,150	<1,000	412J	612	NT	44,900	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
	4/21/2011	11,700	30,000	1,590	17,600	741J	<1,250	<1,250	510	NT	41,300	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
	8/1/2013	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	1/20/2015	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	2/9/2016	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	6/1/2018	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
JANUARY 23 & 24, 2020 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7037
SCDHEC ID NUMBER 08932

Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (mg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	*RBSL 1,000*	*RBSL 700*	*RBSL 10,000*	*RBSL 25*	*RBSL 40*	*RBSL 5*	*RBSL 0.05*	*RBSL 15*	*RBSL 240*	*RBSL 128*	*RBSL NE*	*RBSL 1,400*	*RBSL NE*	*RBSL 150*	*RBSL 10,000*	*RBSL 47*
MW-10	8/18/1999	**15,000**	**22,000**	**1,400**	**7,900**	<250	<5.0	NT	**460**	**0.72**	NT	NT	NT	NT	NT	NT	NT	NT
	11/2/2000*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	8/24/2001*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	8/17/2002*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	7/17/2003*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	2/21/2004*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	10/20/2004*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	8/22/2005	**20,000**	**34,000**	**34,000**	**25,000**	**9,900**	**250**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	**21,000**	**62,000**	**16,000**	**76,000**	**3,500**	<200	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	**17,000**	**40,000**	**3,100**	**19,000**	**<2,500**	<500	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	6/22/2007*	**6,500**	**42,000**	**14,000**	**96,000**	**25,000**	**500**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/1/2008*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/2/2009	**8,260**	**23,700**	**3,680**	**26,110**	**1,010**	**2**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/12/2009*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	9/2/2010*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/21/2011	**11,100**	**24,000**	**2,740**	**16,500**	**635**	<250	**299**	**322**	NT	**18,300**	<500	<5,000	<5,000	**<2,500**	**<250**	<10,000	**<500**
	8/1/2013	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	1/20/2015	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	2/9/2016	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	6/1/2018	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
MW-11	8/18/1999	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<5.0	**0.014**	NT	NT	NT	NT	NT	NT	NT	NT
	11/2/2000	<1.0	<1.0	<1.0	**<1.0**	<1.0	<1.0	NT	<1.0	**0.031**	NT	NT	NT	NT	NT	NT	NT	NT
	8/16/2001	**<5.0**	**9.0**	**<5.0**	**14**	**<5.0**	<5.0	NT	<0.019	**0.0075**	NT	NT	NT	NT	NT	NT	NT	NT
	8/17/2002	ND	ND	ND	**4.6**	ND	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/18/2003	ND	**2.2**	**1.1**	**7.0**	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	2/21/2004	<1.0	**1.8**	**1.0**	**11.1**	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	8/22/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/28/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	3/9/2006	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/29/2006	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/22/2007	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	10/1/2008	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/2/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/12/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-11R	3/17/2010	**13.0**	**70.2**	**36.3**	**175**	**<5.0**	<5.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	**6.7**	**17.9**	**12.6**	**107**	**<5.0**	<5.0	**<5.0**	<0.019	NT	**569**	<10.0	<100	<100	**<50.0**	**<5.0**	**<200**	<10.0
	4/21/2011	**4.0J**	**7.7**	**2.0J**	**83.0**	**<5.0**	<5.0	**<5.0**	<0.019	NT	**1,040**	<10.0	<100	<100	**<50.0**	**<5.0**	**<200**	<10.0
	8/1/2013	**3.7J**	**<5.0**	**2.4J**	**9.5**	**<5.0**	<5.0	**<5.0**	<0.020	NT	**77J**	<10	<100	<100	**<100**	<10	**<1,000**	<100
	1/20/2015	**4.1J**	**3.3J**	**<5.0**	<10.0	**<5.0**	<5.0	**<5.0**	<0.020	NT	**300**	<10.0	<100	<100	**<50.0**	**<5.0**	**<200**	<10.0
	2/9/2016	**<5.0**	**<5.0**	**<5.0**	<10.0	**<5.0**	<5.0	**<5.0**	<0.020	NT	<100	<10.0	<100	<100	**<50.0**	**<5.0**	**<200**	<10.0
	6/1/2018	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	1/24/2020	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-12	8/19/1999	**3,600**	**16,000**	**2,100**	**8,800**	**290**	**93**	NT	<250	<0.0030	NT	NT	NT	NT	NT	NT	NT	NT
	11/1/2000*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	8/24/2001*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	8/17/2002*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	7/17/2003*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	2/21/2004*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	10/20/2004*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	8/22/2005	**4,100**	**44,000**	**15,000**	**75,000**	**7,800**	**250**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	**5,400**	**46,000**	**16,000**	**81,000**	**4,100**	<200	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/29/2006	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	**1**	**1**	**1**	**1**	**2**	**2**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/12/2009	**801**	**1,870**	**22.6J**	**9,020**	**140**	**67.4**	<50.0	**11.4**	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	**2,960**	**23,200**	**3,180**	**21,700**	**646**	<100	<100	**2.6**	NT	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	4/21/2011	**2,490**	**18,600**	**3,630**	**21,000**	**628J**	<1,000	<1,000	**2.5**	NT	**25,300**	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
	8/1/2013	**99J**	**1,400**	**130J**	**7,100**	**290**	<250	**<250**	**0.74**	NT	**660J**	<500	<5,000	<5,000	<5,000	**<500**	<50,000	<5,000
	1/20/2015	**568**	**6,470**	**891**	**15,000**	**459**	<5.0	**<5.0**	**1.8**	NT	**324**	<10.0	<100	**83.0J**	<50.0	**<5.0**	<200	<10.0
	2/9/2016	**189**	**901**	**125**	**3,780**	**165**	<62.5	**<62.5**	**0.61**	NT	<1,250	**<125**	<1,250	**<1,250**	**<625**	**<62.5**	**<2,500**	**<125**
	6/1/2018	**96.6**	**1,030**	**95.7**	**2,890**	**123**	<50.0	<50.0	**0.028**	NT	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
	1/24/2020	**154**	**1,860**	**427**	**6,540**	**276**	<125	<125	<0.020	NT	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	**<250**

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
JANUARY 23 & 24, 2020 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7037
SCDHEC ID NUMBER 08932

Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (mg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	*RBSL 1,000*	*RBSL 700*	*RBSL 10,000*	*RBSL 25*	*RBSL 40*	*RBSL 5*	*RBSL 0.05*	*RBSL 15*	*RBSL 240*	*RBSL 128*	*RBSL NE*	*RBSL 1,400*	*RBSL NE*	*RBSL 150*	*RBSL 10,000*	*RBSL 47*
MW-13	10/18/1999	**5.1**	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<5.0	<0.0030	NT	NT	NT	NT	NT	NT	NT	NT
	11/1/2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NT	<1.0	**0.021**	NT	NT	NT	NT	NT	NT	NT	NT
	8/20/2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<0.019	**0.020**	NT	NT	NT	NT	NT	NT	NT	NT
	8/17/2002	ND	ND	ND	ND	ND	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/17/2003	ND	ND	ND	**1.5**	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	2/21/2004	<1	<1.0	<1.0	<1.0	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	<1	1.9	<1	1.7	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	1.7	2.7	1.9	6.6	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	<1	<1	<1	3.6	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/12/2009	<5.0	<5.0	<5.0	7.2J	<5.0	<5.0	<5.0	<0.019	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019	NT	83.2J	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/21/2011	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/1/2013	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10	<100	<100	<100	<10	<1,000	<100
	1/20/2015	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	2/9/2016	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/2018	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	1/23/2020	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-13i	1/23/2020	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**0.029**	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-13D	1/23/2020	<5.0	**25.5**	**4.6J**	**24.3**	<5.0	<5.0	<5.0	<0.021	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-14	10/18/1999	**2,160**	**1,390**	**431**	**2,180**	**73.6**	<5.0	NT	<5.0	<0.0030	NT	NT	NT	NT	NT	NT	NT	NT
	11/2/2000	**1,180**	<10.0	**60.4**	**393.9**	<10.0	<10.0	NT	<10.0	<0.005	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/2001	**450**	**11**	**8.4**	**160**	**18**	<5.0	NT	<0.019	<0.003	NT	NT	NT	NT	NT	NT	NT	NT
	8/17/2002	**553**	**7.4**	**28.0**	**222**	**34.2**	ND	NT	**0.05**	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/18/2003	**33.1**	ND	ND	**3.0**	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/6/2004	**67.7**	<1.0	**3.9**	**20.5**	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	<1	**2.2**	<1	**1.4**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	<1	**1**	<1	**1**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	**1**	**1**	**1**	**1**	**4.65**	**2**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/12/2009	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/21/2011	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/1/2013	**19**	<5.0	<5.0	<5.0	**8.7**	<5.0	**3.5J**	<0.020	NT	**980**	<10	<100	**31J**	<100	<10	<1,000	<100
	1/20/2015	<5.0	<5.0	**8.4**	<10.0	<5.0	<5.0	**12.0**	**0.028**	NT	**2,690**	<10.0	<100	**131**	<50.0	<5.0	<200	<10.0
	2/9/2016	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/2018	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	**252**	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	1/23/2020	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-15	10/18/1999	<5.0	**10**	<5.0	**14**	<5.0	<5.0	NT	<5.0	<0.0030	NT	NT	NT	NT	NT	NT	NT	NT
	11/1/2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NT	<1.0	**0.089**	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/2001	**8.9**	<5.0	<5.0	**9.0**	<5.0	<5.0	NT	<0.019	**0.073**	NT	NT	NT	NT	NT	NT	NT	NT
	8/17/2002	ND	ND	ND	ND	ND	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/18/2003	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	2/21/2004	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	<1	**2.1**	<1	**2.3**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	<1	**2.2**	**1.2**	**7.1**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	<1	**1.7**	<1	**1.6**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	<1	<1	<1	**1.5**	<5	**1.6**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	<1	**2.5**	<1	**3.0**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	<1	**67.0**	**63.0**	**430.0**	**100**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/12/2009	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/21/2011	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/1/2013	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	**17J**	<10	<100	<100	<100	<10	<1,000	<100
	1/20/2015	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	**320**	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	2/9/2016	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	**90.0J**	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/2018	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**0.051**	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	1/23/2020	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
JANUARY 23 & 24, 2020 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7037
SCDHEC ID NUMBER 08932

Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (mg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*	*RBSL*
		5	*1,000*	*700*	*10,000*	*25*	*40*	*5*	*0.05*	*15*	*240*	*128*	*NE*	*1,400*	*NE*	*150*	*10,000*	*47*
MW-16	10/18/1999	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<5.0	<0.0030	NT	NT	NT	NT	NT	NT	NT	NT
	11/1/2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NT	<1.0	**0.075**	NT	NT	NT	NT	NT	NT	NT	NT
	8/16/2001	**<5.0**	**7**	**<5.0**	**11**	<5.0	<5.0	NT	<0.019	**0.015**	NT	NT	NT	NT	NT	NT	NT	NT
	8/17/2002	ND	ND	ND	ND	ND	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/18/2003	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	2/21/2004	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	<1	**2.4**	<1	**1.6**	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	<1	<1	<1	**1.2**	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	<1	**1.5**	<1	**1.5**	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	<1	<1	<1	**3.4**	**<5**	**1.2**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	<1	**<1**	<1	**<1**	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/12/2009	**<5.0**	<5.0	**<5.0**	<10.0	<5.0	<5.0	**<5.0**	<0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	**<5.0**	<5.0	**<5.0**	<10.0	<5.0	<5.0	**<5.0**	<0.020	NT	<100	<10.0	<100	<100	<50.0	**<5.0**	<200	<10.0
	4/21/2011	**<5.0**	<5.0	**<5.0**	<10.0	<5.0	<5.0	**<5.0**	<0.020	NT	<100	<10.0	<100	<100	<50.0	**<5.0**	<200	<10.0
	8/1/2013	**<5.0**	<5.0	**<5.0**	**<5.0**	<5.0	<5.0	**<5.0**	<0.020	NT	<100	<10	<100	<100	<100	<10	<1,000	<100
	1/20/2015	<5.0	<5.0	**<5.0**	<10.0	<5.0	<5.0	**<5.0**	<0.020	NT	<100	<10.0	<100	<100	<50.0	**<5.0**	<200	<10.0
	2/9/2016	<5.0	<5.0	**<5.0**	<10.0	<5.0	<5.0	**<5.0**	<0.020	NT	<100	<10.0	<100	<100	<50.0	**<5.0**	<200	<10.0
	6/1/2018	<5.0	<5.0	**<5.0**	**<5.0**	<5.0	<5.0	**<5.0**	<0.019	NT	<100	<10.0	<100	<100	<50.0	**<5.0**	<200	<10.0
	1/23/2020	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**<5.0**	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-16i	1/23/2020	**9.8**	**18.7**	**8.7**	**117**	**3.1J**	<5.0	<5.0	**0.11**	NT	**440**	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-16D	1/23/2020	**2.2J**	<5.0	<5.0	**28.2**	<5.0	<5.0	<5.0	**0.057**	NT	**93.3J**	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-17	11/8/2000	**9,320**	**10,800**	**1,380**	**4,910**	**224**	<100	N/A	<100	**0.038**	NT	NT	NT	NT	NT	NT	NT	NT
	8/24/2001	**680**	**680**	**100**	**430**	**38**	<5.0	N/A	**0.10**	**0.030**	NT	NT	**NT**	NT	NT	NT	**NT**	NT
	8/17/2002	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	**NL**	NL	NL	NL	NL	NL
	7/18/2003	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	**NL**	NL	NL	NL	NL	NL
	2/21/2004	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	10/20/2004	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	**NL**	NL	NL	NL	NL	NL
	8/22/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/28/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	3/9/2006	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/29/2006	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/22/2007	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	10/1/2008	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/2/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/12/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-17R	3/17/2010	**4,450**	**6,450**	**919**	**3,670**	**164**	**198**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	**7,080**	**12,000**	**1,370**	**5,900**	**450**	**205J**	**301**	**0.22**	NT	**9,130**	**<500**	<5,000	**<5,000**	**<2,500**	**<250**	<10,000	<500
	4/21/2011	**4,750**	**7,130**	**937**	**3,840**	<500	<500	**185J**	**0.14**	NT	<10,000	<1,000	<10,000	<10,000	**<5,000**	**<500**	**<20,000**	<1,000
	8/1/2013	**4,700**	**6,000**	**890**	**4,400**	**200J**	**140J**	**210J**	**0.062P**	NT	**3,200J**	**18J**	<5,000	<5,000	**<5,000**	**<500**	<50,000	<5,000
	1/20/2015	**3,030**	**2,450**	**525**	**2,560**	**92.3**	**93.0**	**75.7**	<0.021	NT	**3,890**	**14.1**	<100	**208**	<50.0	**<5.0**	<200	<10.0
	2/9/2016	**8.0**	**4.4J**	**<5.0**	<10.0	<5.0	**11.1**	**6.1**	<0.019	NT	**86.6J**	**<10.0**	<100	<100	<50.0	**<5.0**	<200	<10.0
	6/1/2018	**<5.0**	**<5.0**	**<5.0**	**<5.0**	<5.0	<5.0	**<5.0**	<0.019	NT	<100	**<10.0**	<100	<100	<50.0	**<5.0**	<200	<10.0
	1/23/2020	**731**	**21.8J**	**79.1**	**293**	**24.2J**	<25.0	**19.4J**	<0.020	NT	**1,940**	<50.0	<500	<500	<250	<25.0	<1,000	<50.0
MW-18	11/8/2000	<1.0	**<1.0**	<1.0	<1.0	<1.0	<1.0	NT	<1.0	**0.108**	NT	NT	NT	NT	NT	NT	NT	NT
	8/20/2001	**<5.0**	**6.2**	**<5.0**	**10**	**<5.0**	<5.0	NT	<0.020	**0.028**	NT	NT	NT	NT	NT	NT	NT	NT
	8/17/2002	ND	ND	ND	ND	ND	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/18/2003	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	2/21/2004	<1.0	**<1.0**	<1.0	<1.0	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	<1	**2.3**	<1	**1.3**	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	<1	<1	<1	**<1**	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	<1	<1	**<1**	**<1**	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	**<1**	**1.3**	<1	**1.0**	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	**<1**	<1	<1	<1	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/12/2009	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	**<5.0**	<0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	**<5.0**	<0.019	NT	<100	<10.0	<100	<100	<50.0	**<5.0**	<200	<10.0
	4/21/2011	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	**<5.0**	<0.019	NT	<100	<10.0	<100	<100	<50.0	**<5.0**	<200	<10.0
	8/1/2013	**0.50J**	<5.0	<5.0	<5.0	<5.0	<5.0	**<5.0**	<0.020	NT	**210**	<10	<100	**7.3J**	<100	**<10**	<1,000	<100
	1/20/2015	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	**<5.0**	<0.020	NT	<100	<10.0	<100	<100	<50.0	**<5.0**	<200	<10.0
	2/9/2016	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	**<5.0**	<0.020	NT	<100	<10.0	<100	<100	<50.0	**<5.0**	<200	<10.0
	6/1/2018	<5.0	<5.0	<5.0	**<5.0**	<5.0	<5.0	**<5.0**	<0.019	NT	<100	<10.0	<100	<100	<50.0	**<5.0**	<200	<10.0
	1/23/2020	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	**<5.0**	<200	<10.0

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
JANUARY 23 & 24, 2020 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7037
SCDHEC ID NUMBER 08932

Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (mg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	*RBSL 1,000*	*RBSL 700*	*RBSL 10,000*	*RBSL 25*	*RBSL 40*	*RBSL 5*	*RBSL 0.05*	*RBSL 15*	*RBSL 240*	*RBSL 128*	*RBSL NE*	*RBSL 1,400*	*RBSL NE*	*RBSL 150*	*RBSL 10,000*	*RBSL 47*
MW-19	11/8/2000	380	1.46	1.59	60.59	6.71	1,200	NT	<1.0	0.023	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/2001	640	10	<5.0	88	19	43	NT	<0.020	<0.003	NT	NT	NT	NT	NT	NT	NT	NT
	8/17/2002	492	ND	11.8	30.7	9.50	39.7	NT	0.04	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/18/2003	760	8.5	ND	267	16.1	30.8	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/6/2004	166	<1.0	<1.0	15.8	<5.00	196	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	8/22/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/28/2005	<1	3.8	<1	10.0	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	34	<1	<1	<1	<5	3.7	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	9	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/12/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	3/17/2010	134	<5.0	<5.0	<10.0	5.0	12.7	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	224	<5.0	<5.0	5.0J	9.4	29.7	4.2J	<0.019	NT	460	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/21/2011	24.6	<5.0	<5.0	<10.0	<5.0	5.3	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/1/2013	120	<5.0	<5.0	<5.0	5.9	16	7.4	0.030	NT	120	<10	<100	15J	<100	0.53J	<1,000	<100
	1/20/2015	<5.0	<5.0	<5.0	<10.0	<5.0	4.2J	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	2/9/2016	26.1	<5.0	<5.0	<10.0	4.3J	19.8	5.2	<0.021	NT	397	<10.0	<100	61.8J	<50.0	<5.0	<200	<10.0
	3/9/2016	19.0	<0.24	<0.21	<0.32	4.5	34	7.5	0.029	<4.7	350	<0.25	<1.5	49	<0.66	0.98J	<19	<0.13
	6/1/2018	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	1/24/2020	17.9	<5.0	<5.0	<5.0	44.3	119	32.2	<0.020	NT	3260	<10.0	<100	118	<50.0	<5.0	<200	<10.0
MW-20	11/8/2000	1,550	1.98	1.71	65.42	36.9	1.12	NT	<1.0	0.088	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/2001	1,200	5.7	<5.0	54	40	<5.0	NT	0.57	<0.003	NT	NT	NT	NT	NT	NT	NT	NT
	8/17/2002	1,480	ND	ND	31.8	51.9	ND	NT	0.74	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/18/2003	874	2.7	1.9	31.0	46.1	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/6/2004	1,760	2.1	<1.0	36.3	79.6	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	8/22/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/28/2005	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	1,300	1.9	<1	9.9	74	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	1,500	2.4	3.3	13.0	77	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	900	1.9	2.6	6.1	77	1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	102	1	1	4.02	59.50	2	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/12/2009	839	<5.0	20.1	4.0J	45.3	43.9	8.9	<0.019	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	54.8	<5.0	<5.0	<10.0	65.4	<5.0	22.6	<0.019	NT	1,680	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/21/2011	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	8/1/2013	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	1/20/2015	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	2/9/2016	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/1/2018	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	1/23/2020	19.4	<5.0	45.6	<5.0	6.6	7.3	4.8J	<0.020	NT	3,000	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-21	8/20/2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<0.020	0.86	NT	NT	NT	NT	NT	NT	NT	NT
	8/18/2002	ND	ND	ND	ND	ND	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/18/2003	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/6/2004	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	<1	1.9	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/28/2005	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	<1	<1	<1	1.5	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	<1	<1	<1	<1	6	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/12/2009	<5.0	2.9J	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/21/2011	<250	<250	<250	<500	<250	<250	<250	<0.020	NT	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	8/1/2013	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	1/20/2015	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	2/9/2016	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/1/2018	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
JANUARY 23 & 24, 2020 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7037
SCDHEC ID NUMBER 08932

Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (mg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	*RBSL 1,000*	*RBSL 700*	*RBSL 10,000*	*RBSL 25*	*RBSL 40*	*RBSL 5*	*RBSL 0.05*	*RBSL 15*	*RBSL 240*	*RBSL 128*	*RBSL NE*	*RBSL 1,400*	*RBSL NE*	*RBSL 150*	*RBSL 10,000*	*RBSL 47*
MW-22	8/20/2001	<5.0	7.8	<5.0	8.0	<5.0	<5.0	NT	<0.020	0.38	NT	NT	NT	NT	NT	NT	NT	NT
	8/18/2002	ND	ND	ND	ND	ND	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/18/2003	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/6/2004	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	<1	1.9	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/28/2005	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	<1	<1	<1	2.5	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/12/2009	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/21/2011	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/1/2013	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	1/20/2015	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	2/9/2016	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	1/23/2020	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-23	8/20/2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<0.020	0.023	NT	NT	NT	NT	NT	NT	NT	NT
	8/18/2002	ND	ND	ND	ND	ND	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/18/2003	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/6/2004	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	<1	1.0	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/28/2005	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	<1	<1	<1	1.5	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/12/2009	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/21/2011	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/1/2013	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	1/20/2015	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	2/9/2016	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	3/15/2016	<0.21	<0.24	<0.21	<0.32	<0.14	<0.23	<0.23	<0.0049	<4.7	<1.5	<0.25	<1.5	<2.3	<0.66	<0.26	<19	<0.13
	6/1/2018	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	1/23/2020	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.021	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-24	8/20/2001	<5.0	<5.0	<5.0	5.4	<5.0	<5.0	NT	<0.019	0.014	NT	NT	NT	NT	NT	NT	NT	NT
	8/18/2002	ND	ND	ND	ND	ND	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT
	7/18/2003	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/6/2004	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/28/2005	<1	1.6	<1	2.1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/29/2006	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/12/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	9/2/2010	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/21/2011	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	8/1/2013	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	1/20/2015	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	2/9/2016	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	3/14/2016	<0.21	<0.24	<0.21	<0.32	<0.14	<0.23	<0.23	<0.0048	<4.7	<1.5	<0.25	<1.5	<2.3	<0.66	<0.26	<19	<0.13
	6/1/2018	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	1/23/2020	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
JANUARY 23 & 24, 2020 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7037
SCDHEC ID NUMBER 08932

Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (mg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	*RBSL 1,000*	*RBSL 700*	*RBSL 10,000*	*RBSL 25*	*RBSL 40*	*RBSL 5*	*RBSL 0.05*	*RBSL 15*	*RBSL 240*	*RBSL 128*	*RBSL NE*	*RBSL 1,400*	*RBSL NE*	*RBSL 150*	*RBSL 10,000*	*RBSL 47*
MW-25	7/18/2003	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/6/2004	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	<1	**1.7**	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	<1	<1	<1	<1	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	11/28/2005	<1	<1	<1	<1	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	<1	**4.9**	<1	**4.3**	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	<1	<1	<1	<1	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/12/2009	<5.0	<5.0	<5.0	<10.0	**<5.0**	<5.0	**<5.0**	<0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	**<5.0**	**<5.0**	<5.0	<10.0	**<5.0**	<5.0	**<5.0**	<0.019	NT	**63.7J**	<10.0	<100	<100	**<50.0**	**<5.0**	**<200**	<10.0
	4/21/2011	**<5.0**	**<5.0**	<5.0	<10.0	**<5.0**	<5.0	**<5.0**	<0.020	NT	<100	<10.0	<100	<100	**<50.0**	**<5.0**	**<200**	<10.0
	8/1/2013	**<5.0**	**<5.0**	<5.0	**<5.0**	**<5.0**	<5.0	**<5.0**	<0.020	NT	<100	<10	<100	<100	<100	<10	<1,000	<100
	1/20/2015	**<5.0**	**<5.0**	<5.0	<10.0	**<5.0**	<5.0	**<5.0**	<0.021	NT	<100	<10.0	<100	<100	**<50.0**	**<5.0**	**<200**	<10.0
	2/9/2016	**<5.0**	**<5.0**	<5.0	<10.0	**<5.0**	<5.0	**<5.0**	<0.020	NT	<100	<10.0	<100	<100	**<50.0**	**<5.0**	**<200**	<10.0
	3/9/2016	**<0.21**	**<0.24**	<0.21	**<0.32**	<0.14	<0.23	**<0.23**	<0.0047	**<4.7**	**<1.5**	**<0.25**	**<1.5**	**<2.3**	**<0.66**	**<0.26**	**<19**	<0.13
	6/1/2018	<5.0	**<5.0**	<5.0	**<5.0**	**<5.0**	<5.0	**<5.0**	<0.019	NT	<100	<10.0	<100	<100	**<50.0**	**<5.0**	**<200**	<10.0
	1/23/2020	<5.0	**<5.0**	<5.0	<5.0	<5.0	<5.0	**<5.0**	<0.020	NT	<100	<10.0	<100	<100	<50.0	**<5.0**	**<200**	<10.0
MW-26	7/18/2003	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/6/2004	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	**<1**	**3.5**	<1	**2.9**	<5	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/28/2005	<1	**<1**	<1	<1	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	<1	**<1**	<1	<1	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	<1	<1	<1	<1	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/12/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	9/2/2010	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/21/2011	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	8/1/2013	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	1/20/2015	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	2/9/2016	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/1/2018	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	1/23/2020	<5.0	<5.0	**<5.0**	**<5.0**	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	**<5.0**	**<200**	<10.0
MW-27	7/18/2003	ND	ND	ND	ND	ND	**2.0**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/6/2004	<1.0	<1.0	<1.0	<1.0	**<5.00**	**1.1**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/20/2004	<1	**2.1**	<1	**2.2**	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/2005	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/28/2005	**<1**	<1	**<1**	**1.0**	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	3/9/2006	**<1**	<1	**<1**	**2.5**	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/29/2006	**<1**	<1	<1	**<1**	**<5**	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	6/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/2/2009	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	11/12/2009	<5.0	**<5.0**	**<5.0**	<10.0	**<5.0**	<5.0	**<5.0**	<0.024	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/21/2011	<5.0	**<5.0**	**<5.0**	<10.0	**<5.0**	<5.0	**<5.0**	<0.021	NT	<100	<10.0	<100	<100	**<50.0**	**<5.0**	**<200**	<10.0
	8/1/2013	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	1/20/2015	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	2/9/2016	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/1/2018	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	1/24/2020	**<5.0**	<5.0	<5.0	<5.0	**<5.0**	<5.0	**<5.0**	<0.020	NT	<100	<10.0	<100	<100	**<50.0**	<5.0	<200	<10.0

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
JANUARY 23 & 24, 2020 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7037
SCDHEC ID NUMBER 08932

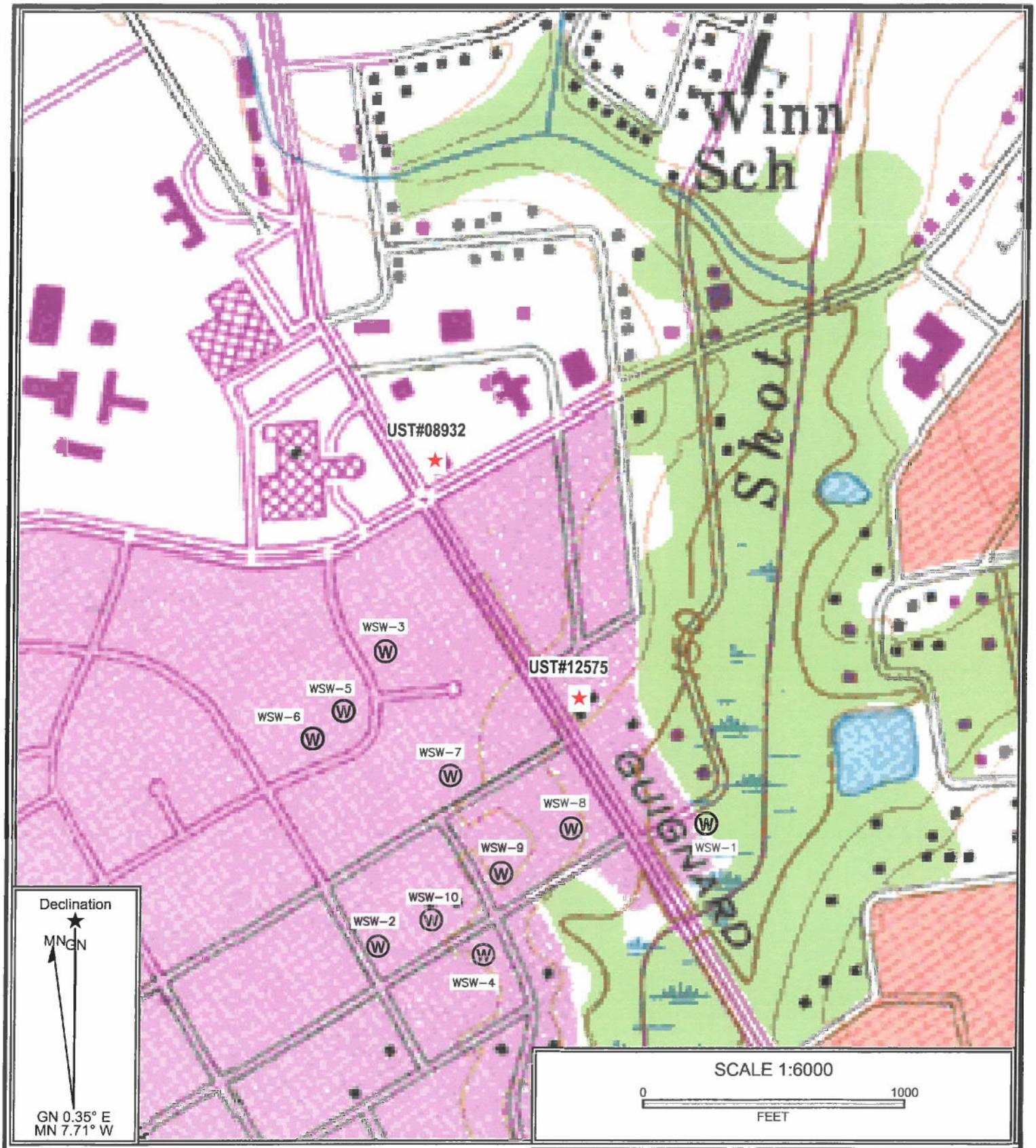
Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (mg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	*RBSL 1,000*	*RBSL 700*	*RBSL 10,000*	*RBSL 25*	*RBSL 40*	*RBSL 5*	*RBSL 0.05*	*RBSL 15*	*RBSL 240*	*RBSL 128*	*RBSL NE*	*RBSL 1,400*	*RBSL NE*	*RBSL 150*	*RBSL 10,000*	*RBSL 47*
MW-28	3/17/2010	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	9/2/2010	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/21/2011	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/1/2013	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.021	NT	**14J**	<10	<100	<100	<100	<10	<1,000	<100
	1/20/2015	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	2/9/2016	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	3/10/2016	<0.21	<0.24	<0.21	<0.32	<0.14	<0.23	<0.23	<0.0047	<4.7	**<1.5**	<0.25	<1.5	**<2.3**	<0.66	<0.26	<19	<0.13
	6/1/2018	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	1/23/2020	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-29	1/23/2020	**13,700**	**41,100**	**3,120**	**16,100**	<1,250	<1,250	<1,250	**249**	NT	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
MW-29i	1/23/2020	**747**	**1,730**	**141**	**1,370**	**35.5J**	**69.6**	<50.0	**6.9**	NT	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
MW-29D	1/23/2020	**617**	**1,540**	**131**	**1,310**	**30.3J**	<50.0	<50.0	**11.4**	NT	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
MW-30	1/23/2020	**4,450**	**12,200**	**1,250**	**6,950**	**219J**	<500	<500	**2.5**	NT	**13,000**	<1,000	<10,000	<10,000	<500	<5,000	<20,000	<1,000
MW-31	1/23/2020	**1,050**	**3,090**	**296**	**1,600**	<125	<125	<125	**1.4**	NT	**3,440**	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
MW-32	1/23/2020	**3,660**	**16,200**	**1,980**	**10,200**	**273J**	<500	<500	**5.5**	NT	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
MW-33	1/23/2020	**15,100**	**49,400**	**3,830**	**19,600**	<1,250	<1,250	<1,250	**340**	NT	**19,300J**	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
MW-34	1/23/2020	**2,530**	**18,700**	**2,400**	**16,900**	**335J**	<625	<625	**5.9**	NT	<12,500	<1,250	<12,500	<12,500	<6,250	<625	<25,000	<1,250
MW-35	1/23/2020	**12,100**	**48,800**	**3,400**	**23,000**	<1,250	<1,250	<1,250	**266**	NT	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
TFR-1	9/2/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/1/2013	**2,200J**	**35,000**	**3,200**	**19,000**	**1,400J**	**220J**	<2,500	**78**	NT	<50,000	<5,000	<50,000	<50,000	<50,000	<5,000	<50,000	<50,000
	1/20/2015	**2,510**	**33,900**	**3,230**	**21,800**	**346**	**109**	<50.0	**78.3**	NT	<1,000	**162**	<1,000	<1,000	<500	<50.0	<2,000	<100
	2/9/2016	**479**	**6,640**	**616**	**13,400**	**239**	<200	<200	**27.9**	NT	<4,000	<400	<4,000	<4,000	<2,000	<200	<800	<400
	6/1/2018	**954**	**19,100**	**1,920**	**19,400**	**300J**	<625	<625	**48.2**	NT	<12,500	<1,250	<12,500	<12,500	<6,250	<625	<25,000	<1,250
	1/24/2020	**842**	**21,700**	**2,840**	**20,800**	<625	<625	<625	**12.4**	NT	<12,500	<1,250	<12,500	<12,500	<6,250	<625	<25,000	<1,250
TFR-2	9/2/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/1/2013	**3,100**	**18,000**	**440J**	**24,000**	**670J**	<1,000	<1,000	**11**	NT	**2,800J**	<2,000	<20,000	<20,000	<20,000	<2,000	<200,000	<20,000
	1/20/2015	**49.2**	**45.9**	<5.0	**286**	<5.0	**8.1**	<5.0	**0.31**	NT	**448**	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	2/9/2016	**209**	**1,870**	**105**	**2,660**	**47.9**	**6.2**	<5.0	**0.23**	NT	**82.2J**	**4.1J**	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/2018	**41.3**	**341**	**38.3**	**611**	**21.2**	<10.0	<10.0	**0.051**	NT	<200	<20.0	<200	<200	<100	<10.0	<400	<20.0
	1/24/2020	**32.9**	**93.2**	**28.7**	**520**	**17.4**	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
TFR-3	9/2/2010*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/21/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/1/2013	**7,900**	**23,000**	**820J**	**20,000**	**790J**	<1,000	<1,000	**110**	NT	**3,600J**	<2,000	<20,000	<20,000	<20,000	<2,000	<200,000	<20,000
	1/20/2015	**569**	**2,090**	**112**	**9,370**	**170**	<50.0	**28.5J**	**42.0**	NT	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
	2/9/2016	**3,250**	**10,800**	**363**	**11,200**	**225**	<125	<125	**78.2**	NT	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
	6/1/2018	**1,770**	**4,790**	**170J**	**6,680**	**112J**	<200	<200	**42.0**	NT	<4,000	<400	<4,000	<4,000	<2,000	<200	<8,000	<400
	1/23/2020	**2,560**	**7,520**	**319**	**6,650**	<200	<200	<200	**18.3**	NT	<4,000	<400	<4,000	<4,000	<2,000	<200	<8,000	<400
TFR-4	9/2/2010*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/21/2011*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	8/1/2013	**5,700**	**39,000**	**5,200**	**39,000**	**940J**	**110J**	**130J**	**85**	NT	<20,000	<2,000	<20,000	<20,000	<20,000	<2,000	<200,000	<20,000
	1/20/2015	**4,350**	**21,200**	**1,840**	**23,200**	<1,250	**58.5**	**18.9**	**113**	NT	**742**	**58.6**	<100	**94.5J**	<50.0	<5.0	**<200**	<10.0
	2/9/2016	**3,400**	**12,400**	**1,110**	**18,100**	**587**	<500	<500	**30.3**	NT	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
	6/1/2018	**77.3**	**363**	**37.2J**	**2,560**	**119**	<50.0	<50.0	**5.9**	NT	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
	1/23/2020	**174**	**508**	**24.0J**	**1,700**	**37.6**	<25.0	<25.0	**3.0**	NT	<500	<50.0	<500	<500	<250	<25.0	<1,000	<50.0
TFR-5	9/2/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/1/2013	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	1/20/2015	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	2/9/2016	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	6/1/2018	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
TFR-6	9/2/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/1/2013	**11,000**	**53,000**	**3,600**	**22,000**	**1,600J**	<2,500	<2,500	**150**	NT	**11,000J**	<5,000	<50,000	<50,000	<50,000	<5,000	<500,000	<50,000
	1/20/2015*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	2/9/2016	**9,950**	**49,300**	**3,290**	**20,400**	**495**	<250	**130J**	**209**	NT	**5,260**	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	6/1/2018	**6,350**	**32,700**	**2,630**	**18,200**	**553J**	<1,000	<1,000	**66.3**	NT	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
	1/23/2020	**5,620**	**35,000**	**3,010**	**21,000**	**579J**	<1,000	<1,000	**37.9**	NT	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
TFR-7	9/2/2010*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/21/2011*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	8/1/2013	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	1/20/2015	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	2/9/2016	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	6/1/2018	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
JANUARY 23 & 24, 2020 SAMPLING EVENT
HQ HEATH SELF SERVE 2
SUMTER, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7037
SCDHEC ID NUMBER 08932

Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (mg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	*RBSL 1,000*	*RBSL 700*	*RBSL 10,000*	*RBSL 25*	*RBSL 40*	*RBSL 5*	*RBSL 0.05*	*RBSL 15*	*RBSL 240*	*RBSL 128*	*RBSL NE*	*RBSL 1,400*	*RBSL NE*	*RBSL 150*	*RBSL 10,000*	*RBSL 47*
TFR-8	9/2/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/1/2013	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	1/20/2015	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	2/9/2016	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
	6/1/2018	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
TFR-9	9/2/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/1/2013	**2,600**	**5,400**	**550**	**3,600**	**170J**	<250	**170J**	**35**	NT	**3,100J**	**99J**	<5,000	<5,000	<5,000	<500	<50,000	<5,000
	1/20/2015	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	2/9/2016	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/1/2018	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	1/23/2020	**3.0J**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**0.059**	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
TFR-10	9/2/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/1/2013	**15,000**	**32,000**	**2,100**	**12,000**	<1,000	<1,000	**990J**	**67**	NT	**16,000J**	<2,000	<20,000	<20,000	<20,000	<2,000	<200,000	<20,000
	1/20/2015	**3,280**	**7,400**	**565**	**4,100**	**108**	<5.0	**92.5**	**14.7**	NT	**9,810**	<10.0	<100	250	<50.0	<5.0	<200	<10.0
	2/9/2016	**96.7**	**149**	**19.3**	**155**	**5.9**	<5.0	**16.5**	**6.1**	NT	**315**	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/2018	**23.9**	**69.1**	**6.2**	**40.1**	<5.0	<5.0	**2.7J**	**0.40**	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	1/23/2020	**1,470**	**4,500**	**307**	**2,680**	**74.4J**	<125	<125	**3.3**	NT	**2,520**	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
TFR-11	9/2/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/1/2013	**22,000**	**50,000**	**3,100**	**18,000**	**1,500J**	**1,500J**	**1,200J**	**400**	NT	**26,000J**	**210J**	<50,000	<50,000	<50,000	<5,000	<500,000	<50,000
	1/20/2015	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	2/9/2016	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/1/2018	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	1/23/2020	**14,200**	**34,300**	**2,710**	**14,400**	<1,000	<1,000	<1,000	**322**	NT	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
TFR-12	9/2/2010*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/21/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/1/2013*	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	1/20/2015	**7,840**	**23,600**	**1,180J**	**8,060**	<2,500	<5.0	**141**	**127**	NT	<50,000	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	2/9/2016	**2,110**	**6,460**	**392**	**2,930**	<250	<250	**110J**	**57.6**	NT	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	6/1/2018	**5,090**	**14,100**	**877**	**6,120**	<500	<500	<500	**62.4**	NT	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
	1/23/2020	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed
SW-1	1/23/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
SW-2	1/23/2020	<1.0	**0.36J**	<1.0	<1.0	<1.0	<1.0	<1.0	<0.021	NT	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
SW-3	1/23/2020	<1.0	**0.33J**	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
SW-4	1/23/2020	<1.0	**0.28J**	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
SW-5	1/23/2020	<1.0	**2.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
SW-6	1/23/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
WSW-3	1/24/2020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.020	NT	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
WSW-5	1/24/2020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.020	NT	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
WSW-6	1/24/2020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.020	NT	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
MW-1R DUP.	1/20/2015	**1,030**	**20,100**	**2,950**	**14,800**	**375**	<50.0	<50.0	**3.1**	NT	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
MW-7 DUP.	1/20/2015	**14,700**	**50,900**	**4,160**	**28,100**	<2,500	**1,000**	<100	**154**	NT	**6,680**	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
MW-2 DUP.	2/9/2016	**17.8**	**8.4**	**138**	**108**	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-8 DUP.	2/9/2016	**1,510**	**13,000**	**791**	**9,450**	**511**	<500	<500	**18.9**	NT	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
DUP-1 (TFR-3)	6/1/2018	**1,610**	**4,430**	**168**	**6,410**	**98.4J**	<125	<125	**72.4**	NT	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
DUP-2 (TFR-6)	6/1/2018	**6,920**	**35,400**	**2,820**	**19,400**	**559J**	<1,000	<1,000	**79.3**	NT	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
DUP-1 (TFR-11)	1/23/2020	**14,500**	**34,600**	**2,680**	**14,200**	<1,000	<1,000	<1,000	**352**	NT	**14,600J**	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
DUP-2 (TFR-10)	1/23/2020	**1,450**	**4,330**	**310**	**2,560**	**72.1J**	<125	<125	**3.5**	NT	**2,290J**	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
DUP-3 (MW-35)	1/23/2020	**11,400**	**45,800**	**3,160**	**21,700**	<1,250	<1,250	<1,250	**269**	NT	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
WSW DUP (WSW-3)	1/24/2020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.020	NT	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
Field Blank	1/20/2015	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	2/9/2016	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/2018	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	1/23/2020	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**0.038**	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	1/24/2020	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.021	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
WSW	1/24/2020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.021	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
Trip Blank	8/31/2011	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	NT	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	2/9/2016	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	NT	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/2018	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	1/23/2020	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	1/23/2020	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	1/23/2020	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
WSW	1/23/2020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NT	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0

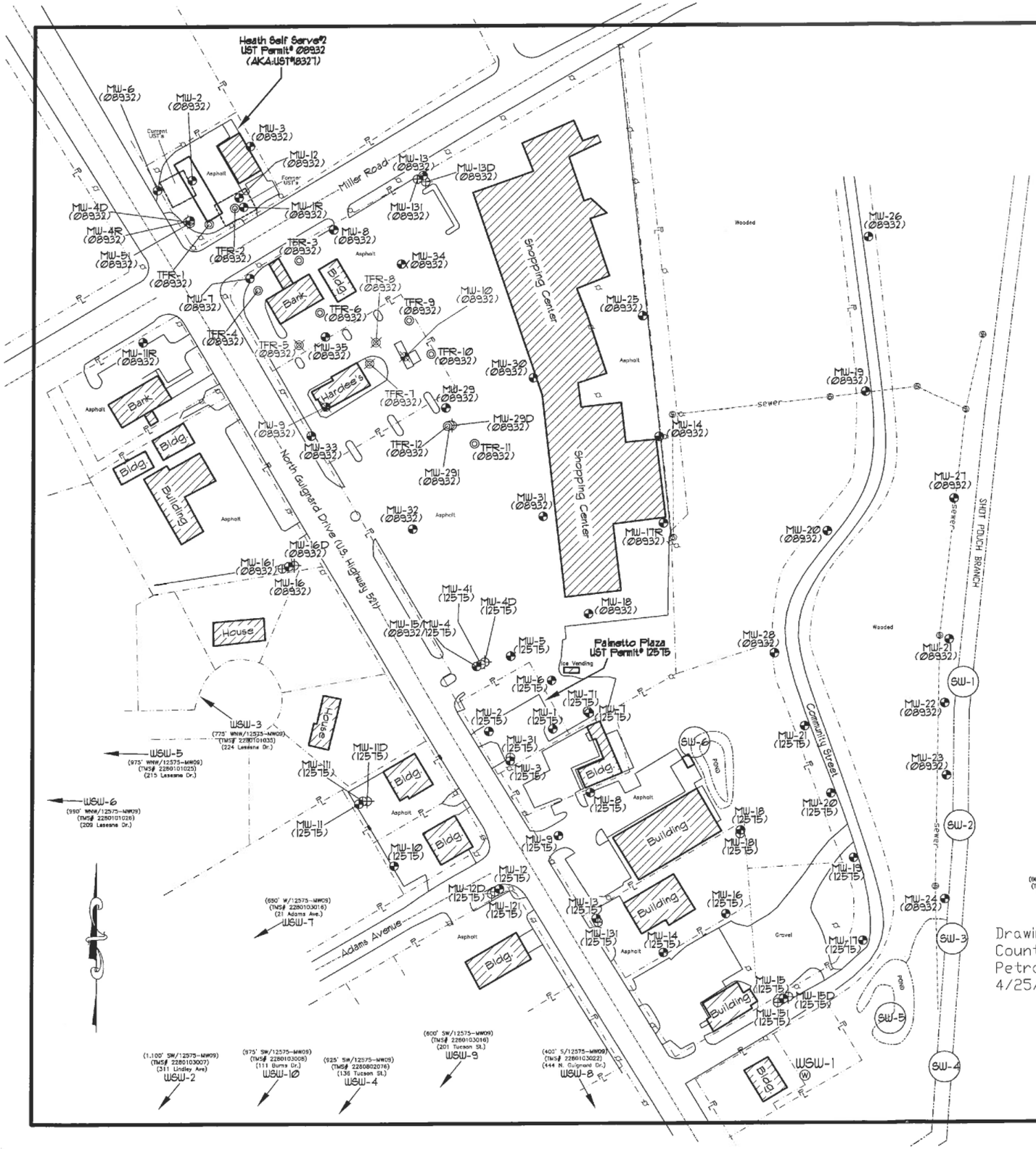
Notes:
1. BDL = Below Practical Quantitative Limits
2. ug/l = micrograms per liter
3. mg/l = milligrams per liter
4. MTBE = Methyl-Tertiary-Butyl Ether
5. **See** Appendix for Laboratory Detection Limits
6. NL = Not Located
7. DRY = Well was Dry at the time of Sampling
8. NT = Not Tested.
9. EDB = Ethylene Dibromide
10. 1,2 DCA = 1,2-Dichloroethane
11. PROD = Free Phase Petroleum Product
12. * = Sample collected beneath Product
13. "J" Values used in Total BTEX Calculations
14. "J" values report concentrations above the method detection limits (MDL) and below actual reporting limit (RL).
15. B = Detected in Method Blank
16. S = MS/MSD Failure
17. P = The RPD between the two columns exceeds 40%.
18. DIPE = Diisopropyl Ether
19. ETBE = Ethyl ter-butyl Ether
20. TAA = tert-Amyl Alcohol
21. TAME = tert-Amyl Methyl Ether
22. TBA = ter-Butyl Alcohol
23. TBF = tert-Butyl Formate
24. ETBA = 3,3-Dimethyl-1-Butanol
25. ABD. = Well Has been Abandoned
26. OBS = Well Obstructed

FIGURES



Reference: Sumter East, South Carolina
USGS 7.5 Min. Quad
Contour Interval – 10 Feet

Midlands Environmental Consultants, Inc.	Site Location
Heath Self Serve 2 501 North Guignard Drive, Sumter, SC SCDHEC Site ID# 08932	
Figure 1	MECI 19-7037



Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of 4-inch Recovery Well
- Location of "Deep" Monitoring Well
- Location of Abandoned Well
- Location of "Intermediate" Monitoring Well
- (SW) Location of Surface Water Sample Collection
- Estimated Location of Removed Underground Storage Tanks
- Estimated Location of Existing Underground Storage Tanks
- Property Line
- Buried Sewer
- Stream

Drawing Based on MECI Field Notes, Sumter County GIS Imagery and Figures by Petra-Tech Environmental, LLC., dated 4/25/2016.

GRAPHIC SCALE

0 90 180 270 360

1IN = 180FT

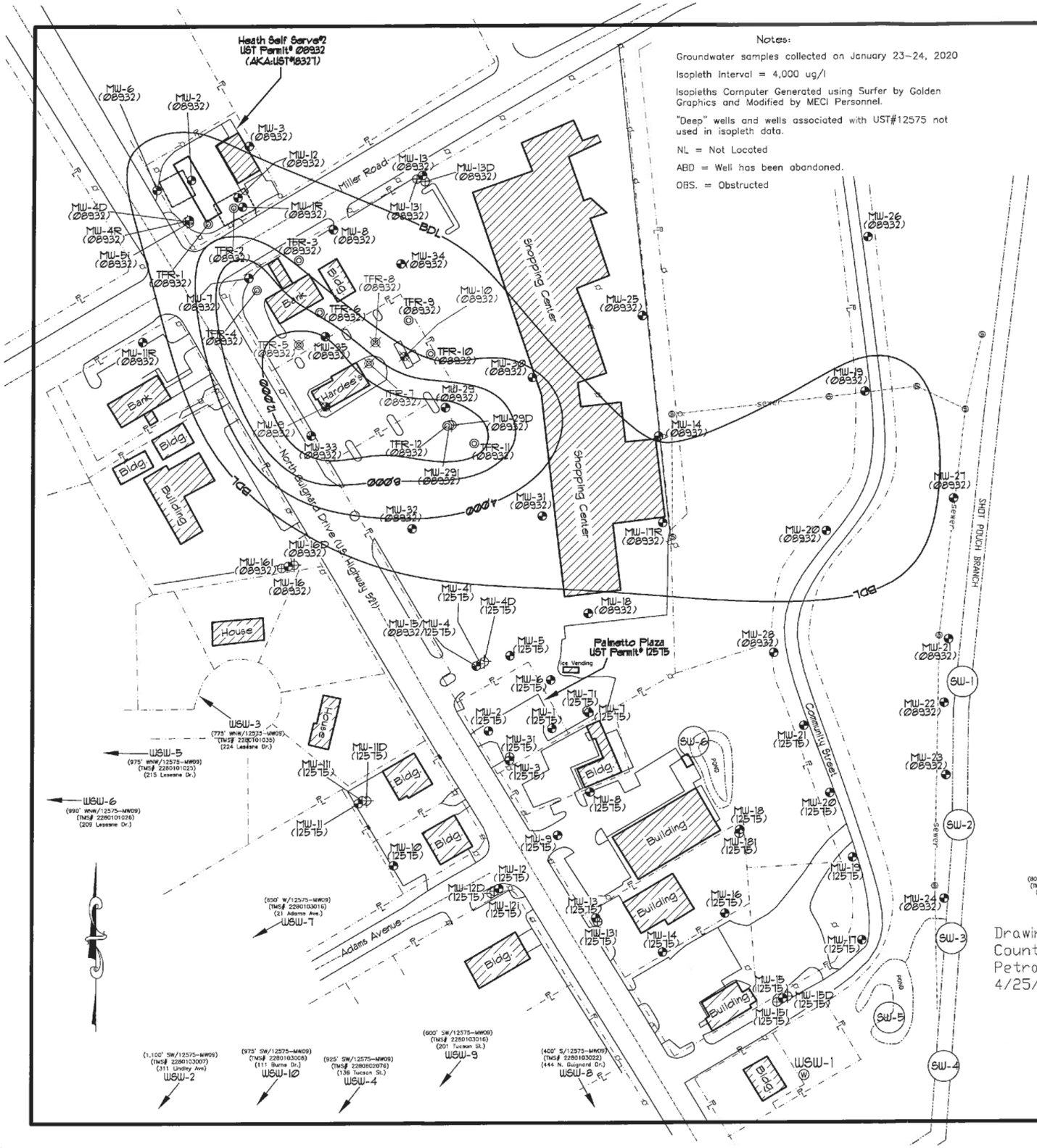
ALL LOCATIONS ARE APPROXIMATE

Site Base Map

HQ Heath Self Serve #2
501 North Guignard Drive
Sumter, South Carolina
SCDHEC Site ID 08932

Midlands Environmental Consultants, Inc.

JOB NO. 19-7037
DATE February 11, 2020
FIGURE 2



Notes:

Groundwater samples collected on January 23–24, 2020

Isopleth Interval = 4,000 ug/l

Isopleths Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.

"Deep" wells and wells associated with UST#12575 not used in isopleth data.

NL = Not Located

ABD = Well has been abandoned.

OBS. = Obstructed

Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of "Deep" Monitoring Well
- Location of "Intermediate" Monitoring Well
- Location of 4-Inch Recovery Well
- Location of Abandoned Well
- (SW) Location of Surface Water Sample Collection

Benzene Concentration Isopleth (ug/l)

(800' E/12575-MW09) (TMS# 2280201008) (14 Crowson St.) SW-7 (Pond)

Drawing Based on MECI Field Notes, Sumter County GIS Imagery and Figures by Petra-Tech Environmental, LLC., dated 4/25/2016.

GRAPHIC SCALE

0 90 180 270 360

1IN = 180FT

ALL LOCATIONS ARE APPROXIMATE

GROUNDWATER COC CONCENTRATION DATA

Well Number	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)
	RBSL 5	*RBSL 1,000*	*RBSL 700*	*RBSL 10,000*	*RBSL 25*	*RBSL 40*	*RBSL 5*	*RBSL 0.05*
MW-1R	266	9,320	3,780	17,600	518	<250	<250	0.38
MW-2	77.5	10.1	75.8	17.9	<5.0	<5.0	<5.0	<0.020
MW-3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.021
MW-4	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed
MW-4R	140	3,830	871	4,250	124J	<125	<125	0.91
MW-4D	14.1J	194	65.1	1,550	32.7	<25.0	<25.0	0.15
MW-5i	<5.0	<5.0	<5.0	<10.0	2.7J	<5.0	<5.0	<0.020
MW-6	15.2	<5.0	<5.0	2.4J	<5.0	<5.0	<5.0	<0.020
MW-7	8,750	34,200	2,460	20,600	656J	<1,250	<1,250	127
MW-8	397	6,190	1,010	7,130	318	<250	<250	4.5
MW-9	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
MW-10	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
MW-11	NL	NL	NL	NL	NL	NL	NL	NL
MW-11R	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-12	154	1,860	427	6,540	276	<125	<125	<0.020
MW-13	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-13i	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.029
MW-13D	<5.0	25.5	4.6J	24.3	<5.0	<5.0	<5.0	<0.021
MW-14	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-16i	9.8	18.7	8.7	117	3.1J	<5.0	<5.0	0.11
MW-16D	2.2J	<5.0	<5.0	28.2	<5.0	<5.0	<5.0	0.057
MW-17	NL	NL	NL	NL	NL	NL	NL	NL
MW-17R	731	21.8J	79.1	293	24.2J	<25.0	19.4J	<0.020
MW-18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-19	17.9	<5.0	<5.0	<5.0	44.3	119	32.2	<0.020
MW-20	19.4	<5.0	45.6	<5.0	6.6	7.3	4.8J	<0.020
MW-21	NL	NL	NL	NL	NL	NL	NL	NL
MW-22	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-23	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.021
MW-24	NL	NL	NL	NL	NL	NL	NL	NL
MW-25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-26	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-27	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-28	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-29	13,700	41,100	3,120	16,100	<1,250	<1,250	<1,250	249
MW-29i	747	1,730	141	1,370	35.5J	69.6	<50.0	6.9
MW-29D	617	1,540	131	1,310	30.3J	<50.0	<50.0	11.4
MW-30	4,450	12,200	1,250	6,950	219J	<500	<500	2.5
MW-31	1,050	3,090	296	1,600	<125	<125	<125	1.4
MW-32	3,660	16,200	1,980	10,200	273J	<500	<500	5.5
MW-33	15,100	49,400	3,830	19,600	<1,250	<1,250	<1,250	340
MW-34	2,530	18,700	2,400	16,900	335J	<625	<625	5.9
MW-35	12,100	48,800	3,400	23,000	<1,250	<1,250	<1,250	266
TFR-1	842	21,700	2,840	20,800	<625	<625	<625	12.4
TFR-2	32.9	93.2	28.7	520	17.4	<5.0	<5.0	<0.020
TFR-3	2,560	7,520	319	6,650	<200	<200	<200	18.3
TFR-4	174	508	24.0J	1,700	37.8	<25.0	<25.0	3.0
TFR-5	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
TFR-6	5,620	35,000	3,010	21,000	579J	<1,000	<1,000	37.9
TFR-7	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
TFR-8	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
TFR-9	3.0J	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.059
TFR-10	1,470	4,500	307	2,680	74.4J	<125	<125	3.3
TFR-11	14,200	34,300	2,710	14,400	<1,000	<1,000	<1,000	322
TFR-12	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed
SW-1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020
SW-2	<1.0	0.36J	<1.0	<1.0	<1.0	<1.0	<1.0	<0.021
SW-3	<1.0	0.33J	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020
SW-4	<1.0	0.28J	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020
SW-5	<1.0	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020
SW-6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020
WSW-3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.020
WSW-5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.020
WSW-6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.020
DUP-1 (TFR-11)	14,500	34,600	2,680	14,200	<1,000	<1,000	<1,000	352
DUP-2 (TFR-10)	1,450	4,330	310	2,560	72.1J	<125	<125	3.5
DUP-3 (MW-35)	11,400	45,800	3,160	21,700	<1,250	<1,250	<1,250	269
WSW DUP (WSW-3)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.019
Field Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.038
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.021
	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.021
Trip Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT
	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NT

Groundwater CoC Site Map
(Benzene Isopleth)

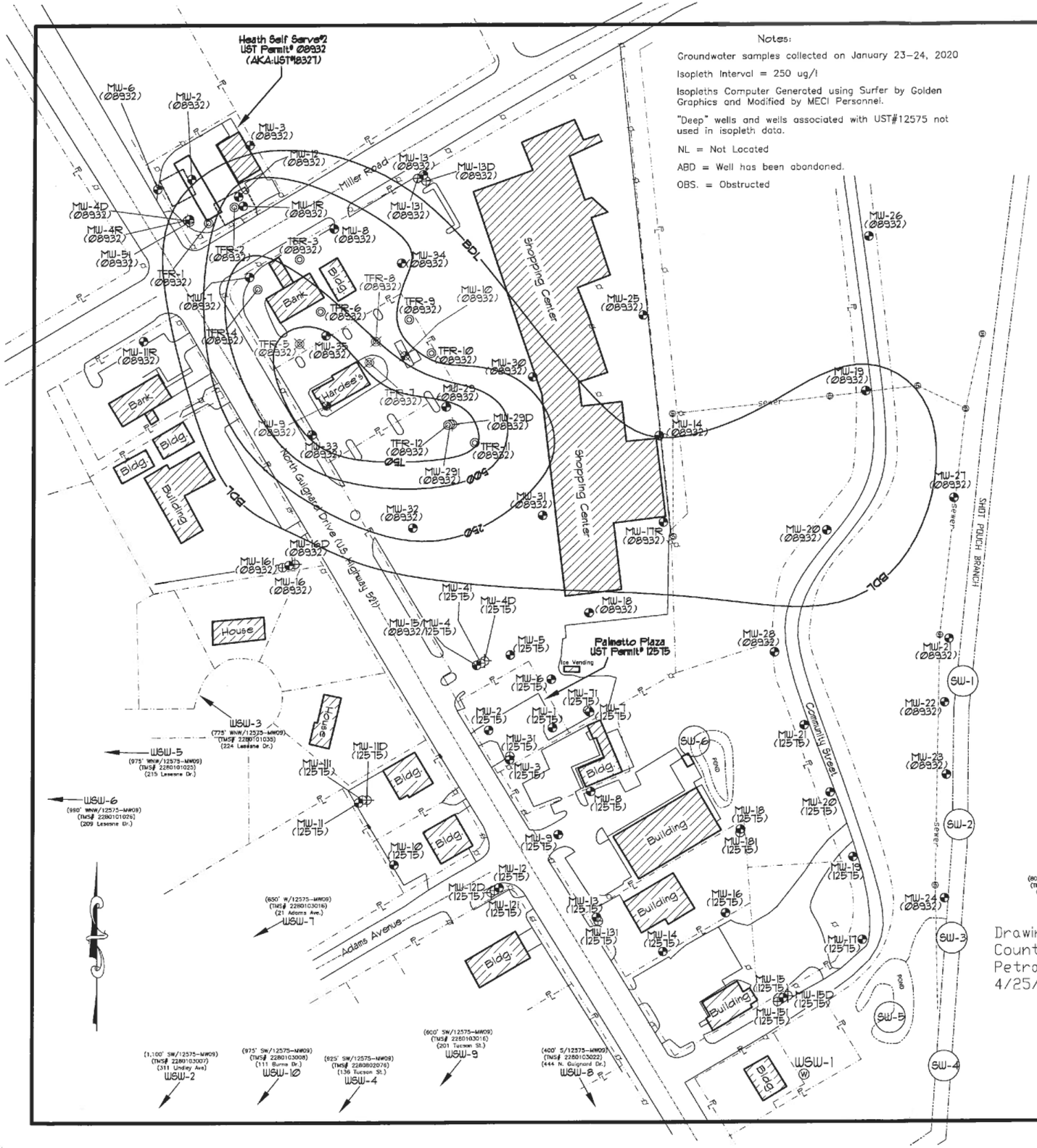
HQ Heath Self Serve #2
501 North Guignard Drive
Sumter, South Carolina
SCDHEC Site ID 08932

Midlands Environmental Consultants, Inc.

JOB NO. 19-7037

DATE February 11, 2020

FIGURE 4



Notes:

Groundwater samples collected on January 23–24, 2020

Isopleth Interval = 250 ug/l

Isopleths Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.

"Deep" wells and wells associated with UST#12575 not used in isopleth data.

NL = Not Located

ABD = Well has been abandoned.

OBS. = Obstructed

Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of "Deep" Monitoring Well
- Location of "Intermediate" Monitoring Well
- Location of 4-Inch Recovery Well
- Location of Abandoned Well
- (SW) Location of Surface Water Sample Collection

Naphthalene Concentration Isopleth (ug/l)

Drawing Based on MECI Field Notes, Sumter County GIS Imagery and Figures by Petra-Tech Environmental, LLC., dated 4/25/2016.

GRAPHIC SCALE

0 90 180 270 360

1IN = 180FT

ALL LOCATIONS ARE APPROXIMATE

GROUNDWATER COC CONCENTRATION DATA

Well Number	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)
	RBSL 5	*RBSL 1,000*	*RBSL 700*	*RBSL 10,000*	*RBSL 25*	*RBSL 40*	*RBSL 5*	*RBSL 0.05*
MW-1R	266	9,320	3,780	17,600	518	<250	<250	0.38
MW-2	77.5	10.1	75.8	17.9	<5.0	<5.0	<5.0	<0.020
MW-3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.021
MW-4	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed
MW-4R	140	3,830	871	4,250	124J	<125	<125	0.91
MW-4D	14.1J	194	65.1	1,550	32.7	<25.0	<25.0	0.15
MW-5I	<5.0	<5.0	<5.0	<10.0	2.7J	<5.0	<5.0	<0.020
MW-6	15.2	<5.0	<5.0	2.4J	<5.0	<5.0	<5.0	<0.020
MW-7	8,750	34,200	2,460	20,600	656J	<1,250	<1,250	127
MW-8	397	6,190	1,010	7,130	318	<250	<250	4.5
MW-9	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
MW-10	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
MW-11	NL	NL	NL	NL	NL	NL	NL	NL
MW-11R	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-12	154	1,860	427	6,540	276	<125	<125	<0.020
MW-13	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-13I	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.029
MW-13D	<5.0	25.5	4.6J	24.3	<5.0	<5.0	<5.0	<0.021
MW-14	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-16I	9.8	18.7	8.7	117	3.1J	<5.0	<5.0	0.11
MW-16D	2.2J	<5.0	<5.0	28.2	<5.0	<5.0	<5.0	0.057
MW-17	NL	NL	NL	NL	NL	NL	NL	NL
MW-17R	731	21.8J	79.1	293	24.2J	<25.0	19.4J	<0.020
MW-18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-19	17.9	<5.0	<5.0	<5.0	44.3	119	32.2	<0.020
MW-20	19.4	<5.0	45.6	<5.0	6.6	7.3	4.8J	<0.020
MW-21	NL	NL	NL	NL	NL	NL	NL	NL
MW-22	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-23	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.021
MW-24	NL	NL	NL	NL	NL	NL	NL	NL
MW-25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-26	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-27	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-28	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-29	13,700	41,100	3,120	16,100	<1,250	<1,250	<1,250	249
MW-29I	747	1,730	141	1,370	35.5J	69.6	<50.0	6.9
MW-29D	617	1,540	131	1,310	30.3J	<50.0	<50.0	11.4
MW-30	4,450	12,200	1,250	6,950	219J	<500	<500	2.5
MW-31	1,050	3,090	298	1,600	<125	<125	<125	1.4
MW-32	3,660	16,200	1,980	10,200	273J	<500	<500	5.5
MW-33	15,100	49,400	3,830	19,600	<1,250	<1,250	<1,250	340
MW-34	2,530	18,700	2,400	16,900	335J	<625	<625	5.9
MW-35	12,100	48,800	3,400	23,000	<1,250	<1,250	<1,250	266
TFR-1	842	21,700	2,840	20,800	<625	<625	<625	12.4
TFR-2	32.9	93.2	28.7	520	17.4	<5.0	<5.0	<0.020
TFR-3	2,560	7,520	319	6,650	<200	<200	<200	18.3
TFR-4	174	508	24.0J	1,700	37.6	<25.0	<25.0	3.0
TFR-5	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
TFR-6	5,620	35,000	3,010	21,000	579J	<1,000	<1,000	37.9
TFR-7	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
TFR-8	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
TFR-9	3.0J	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.059
TFR-10	1,470	4,500	307	2,680	74.4J	<125	<125	3.3
TFR-11	14,200	34,300	2,710	14,400	<1,000	<1,000	<1,000	322
TFR-12	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed
SW-1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020
SW-2	<1.0	0.36J	<1.0	<1.0	<1.0	<1.0	<1.0	<0.021
SW-3	<1.0	0.33J	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020
SW-4	<1.0	0.28J	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020
SW-5	<1.0	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020
SW-6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020
WSW-3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.020
WSW-5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.020
WSW-6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.020
DUP-1 (TFR-11)	14,500	34,600	2,680	14,200	<1,000	<1,000	<1,000	352
DUP-2 (TFR-10)	1,450	4,330	310	2,560	72.1J	<125	<125	3.5
DUP-3 (MW-35)	11,400	45,800	3,160	21,700	<1,250	<1,250	<1,250	269
WSW DUP (WSW-3)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.019
Field Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.038
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.021
	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.021
Trip Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT
	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NT

Groundwater CoC Site Map
(Naphthalene Isopleth)

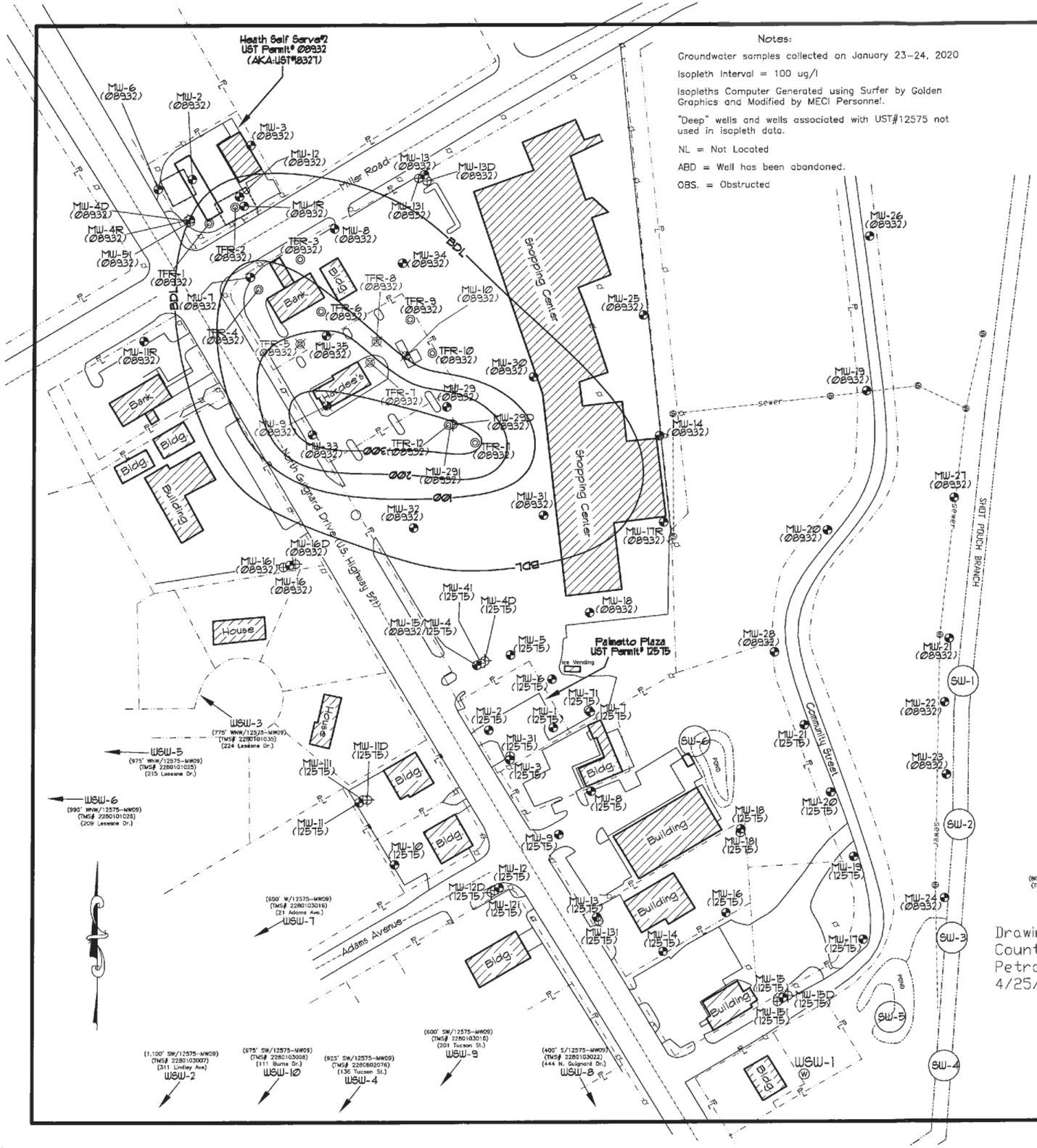
HQ Heath Self Serve #2
501 North Guignard Drive
Sumter, South Carolina
SCDHEC Site ID 08932

Midlands Environmental Consultants, Inc.

JOB NO. 19-7037

DATE February 11, 2020

FIGURE 4A



Notes:

Groundwater samples collected on January 23–24, 2020

Isopleth Interval = 100 ug/l

Isopleths Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.

"Deep" wells and wells associated with UST#12575 not used in isopleth data.

NL = Not Located

ABD = Well has been abandoned.

OBS. = Obstructed

Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of "Deep" Monitoring Well
- Location of "Intermediate" Monitoring Well
- Location of 4-Inch Recovery Well
- Location of Abandoned Well
- (SW) Location of Surface Water Sample Collection

EDB Concentration Isopleth (ug/l)

GROUNDWATER COC CONCENTRATION DATA

Well Number	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)
	RBSL 5	*RBSL 1,000*	*RBSL 700*	*RBSL 10,000*	*RBSL 25*	*RBSL 40*	*RBSL 5*	*RBSL 0.05*
MW-1R	266	9,320	3,780	17,600	518	<250	<250	0.38
MW-2	77.5	10.1	75.8	17.9	<5.0	<5.0	<5.0	<0.020
MW-3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.021
MW-4	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed
MW-4R	140	3,830	871	4,250	124J	<125	<125	0.91
MW-4D	14.1J	194	65.1	1,550	32.7	<25.0	<25.0	0.15
MW-5I	<5.0	<5.0	<5.0	<10.0	2.7J	<5.0	<5.0	<0.020
MW-6	15.2	<5.0	<5.0	2.4J	<5.0	<5.0	<5.0	<0.020
MW-7	8,750	34,200	2,480	20,600	656J	<1,250	<1,250	127
MW-8	397	6,190	1,010	7,130	318	<250	<250	4.5
MW-9	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
MW-10	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
MW-11	NL	NL	NL	NL	NL	NL	NL	NL
MW-11R	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-12	154	1,860	427	6,540	276	<125	<125	<0.020
MW-13	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-13I	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.029
MW-13D	<5.0	25.5	4.6J	24.3	<5.0	<5.0	<5.0	<0.021
MW-14	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
MW-15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-16I	9.8	18.7	8.7	117	3.1J	<5.0	<5.0	0.11
MW-16D	2.2J	<5.0	<5.0	28.2	<5.0	<5.0	<5.0	0.057
MW-17	NL	NL	NL	NL	NL	NL	NL	NL
MW-17R	731	21.8J	79.1	293	24.2J	<25.0	19.4J	<0.020
MW-18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-19	17.9	<5.0	<5.0	<5.0	44.3	119	32.2	<0.020
MW-20	19.4	<5.0	45.6	<5.0	6.6	7.3	4.8J	<0.020
MW-21	NL	NL	NL	NL	NL	NL	NL	NL
MW-22	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-23	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.021
MW-24	NL	NL	NL	NL	NL	NL	NL	NL
MW-25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-26	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-27	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-28	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
MW-29	13,700	41,100	3,120	18,100	<1,250	<1,250	<1,250	249
MW-29I	747	1,730	141	1,370	35.5J	69.6	<50.0	6.9
MW-29D	617	1,540	131	1,310	30.3J	<50.0	<50.0	11.4
MW-30	4,450	12,200	1,250	8,950	219J	<500	<500	2.5
MW-31	1,050	3,090	296	1,600	<125	<125	<125	1.4
MW-32	3,660	16,200	1,980	10,200	273J	<500	<500	5.5
MW-33	15,100	49,400	3,830	19,600	<1,250	<1,250	<1,250	340
MW-34	2,530	18,700	2,400	16,900	335J	<625	<625	5.9
MW-35	12,100	48,800	3,400	23,000	<1,250	<1,250	<1,250	266
TFR-1	842	21,700	2,840	20,800	<625	<625	<625	12.4
TFR-2	32.9	93.2	28.7	520	17.4	<5.0	<5.0	<0.020
TFR-3	2,560	7,520	319	6,650	<200	<200	<200	18.3
TFR-4	174	508	24.0J	1,700	37.6	<25.0	<25.0	3.0
TFR-5	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
TFR-6	5,620	35,000	3,010	21,000	579J	<1,000	<1,000	37.9
TFR-7	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
TFR-8	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
TFR-9	3.0J	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.059
TFR-10	1,470	4,500	307	2,680	74.4J	<125	<125	3.3
TFR-11	14,200	34,300	2,710	14,400	<1,000	<1,000	<1,000	322
TFR-12	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed
SW-1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020
SW-2	<1.0	0.36J	<1.0	<1.0	<1.0	<1.0	<1.0	<0.021
SW-3	<1.0	0.33J	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020
SW-4	<1.0	0.28J	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020
SW-5	<1.0	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020
SW-6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020
WSW-3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.020
WSW-5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.020
WSW-6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.020
DUP-1 (TFR-11)	14,500	34,600	2,680	14,200	<1,000	<1,000	<1,000	352
DUP-2 (TFR-10)	1,450	4,330	310	2,560	72.1J	<125	<125	3.5
DUP-3 (MW-35)	11,400	45,800	3,160	21,700	<1,250	<1,250	<1,250	269
WSW DUP (WSW-3)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.019
Field Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.038
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.021
	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.021
Trip Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT
	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NT

Drawing Based on MECI Field Notes, Sumter County GIS Imagery and Figures by Petra-Tech Environmental, LLC., dated 4/25/2016.

GRAPHIC SCALE

0 90 180 270 360

1IN = 180FT

ALL LOCATIONS ARE APPROXIMATE

Groundwater CoC Site Map
(EDB Isopleth)

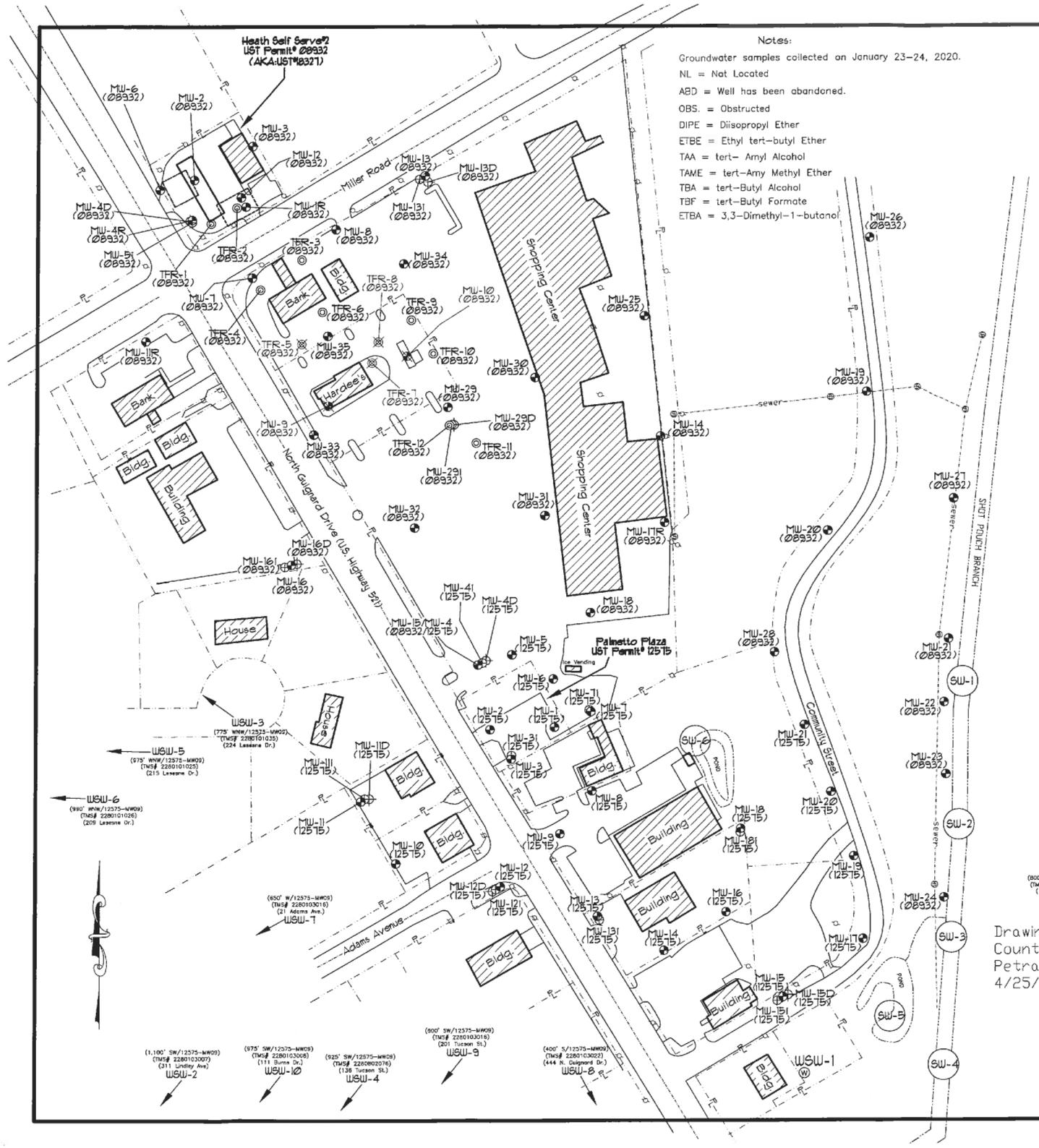
HQ Heath Self Serve #2
501 North Guignard Drive
Sumter, South Carolina
SCDHEC Site ID 08932

Midlands Environmental Consultants, Inc.

JOB NO. 19-7037

DATE February 11, 2020

FIGURE 4B



Notes:

Groundwater samples collected on January 23–24, 2020.

NL = Not Located

ABD = Well has been abandoned.

OBS. = Obstructed

DIPE = Diisopropyl Ether

ETBE = Ethyl tert-butyl Ether

TAA = tert- Amyl Alcohol

TAME = tert-Amy Methyl Ether

TBA = tert-Butyl Alcohol

TBF = tert-Butyl Formate

ETBA = 3,3-Dimethyl-1-butanol

Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of "Deep" Monitoring Well
- Location of "Intermediate" Monitoring Well
- Location of 4-Inch Recovery Well
- Location of Abandoned Well
- (SW) Location of Surface Water Sample Collection

GROUNDWATER COC CONCENTRATION DATA (Oxygenates)

Well Number	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
	RBSL 240	*RBSL 128*	*RBSL NE*	*RBSL 1,400*	*RBSL NE*	*RBSL 150*	*RBSL 10,000*	*RBSL 47*
MW-1R	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
MW-2	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-3	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-4	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed
MW-4R	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
MW-4D	<500	<50.0	<500	<500	<250	<25.0	<1,000	<50.0
MW-5D	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-6	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-7	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
MW-8	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
MW-9	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
MW-10	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
MW-11	NL	NL	NL	NL	NL	NL	NL	NL
MW-11R	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-12	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
MW-13	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-13i	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-13D	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-14	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-15	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-16	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-16i	**440**	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-16D	**93.3J**	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-17	NL	NL	NL	NL	NL	NL	NL	NL
MW-17R	**1,940**	<50.0	<500	<500	<250	<25.0	<1,000	<50.0
MW-18	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-19	**3260**	<10.0	<100	**118**	<50.0	<5.0	<200	<10.0
MW-20	**3,000**	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-21	NL	NL	NL	NL	NL	NL	NL	NL
MW-22	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-23	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-24	NL	NL	NL	NL	NL	NL	NL	NL
MW-25	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-26	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-27	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-28	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-29	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
MW-29i	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
MW-29D	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
MW-30	**13,000**	<1,000	<10,000	<10,000	<500	<5,000	<20,000	<1,000
MW-31	**3,440**	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
MW-32	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
MW-33	**19,300J**	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
MW-34	<12,500	<1,250	<12,500	<12,500	<6,250	<625	<25,000	<1,250
MW-35	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
TFR-1	<12,500	<1,250	<12,500	<12,500	<6,250	<625	<25,000	<1,250
TFR-2	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
TFR-3	<4,000	<400	<4,000	<4,000	<2,000	<200	<8,000	<400
TFR-4	<500	<50.0	<500	<500	<250	<25.0	<1,000	<50.0
TFR-5	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
TFR-6	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
TFR-7	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
TFR-8	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
TFR-9	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
TFR-10	**2,520**	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
TFR-11	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
TFR-12	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed	Obstructed
SW-1	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
SW-2	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
SW-3	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
SW-4	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
SW-5	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
SW-6	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
WSW-3	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
WSW-5	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
WSW-6	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
DUP-1 (TFR-11)	**14,600J**	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
DUP-2 (TFR-10)	**2,290J**	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
DUP-3 (MW-35)	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
WSW DUP (WSW-3)	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
Field Blank	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
Trip Blank	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0

Drawing Based on MECI Field Notes, Sumter County GIS Imagery and Figures by Petra-Tech Environmental, LLC., dated 4/25/2016.

GRAPHIC SCALE

0 90 180 270 360

1IN = 180FT

ALL LOCATIONS ARE APPROXIMATE

Groundwater CoC Site Map
(Oxygenates)

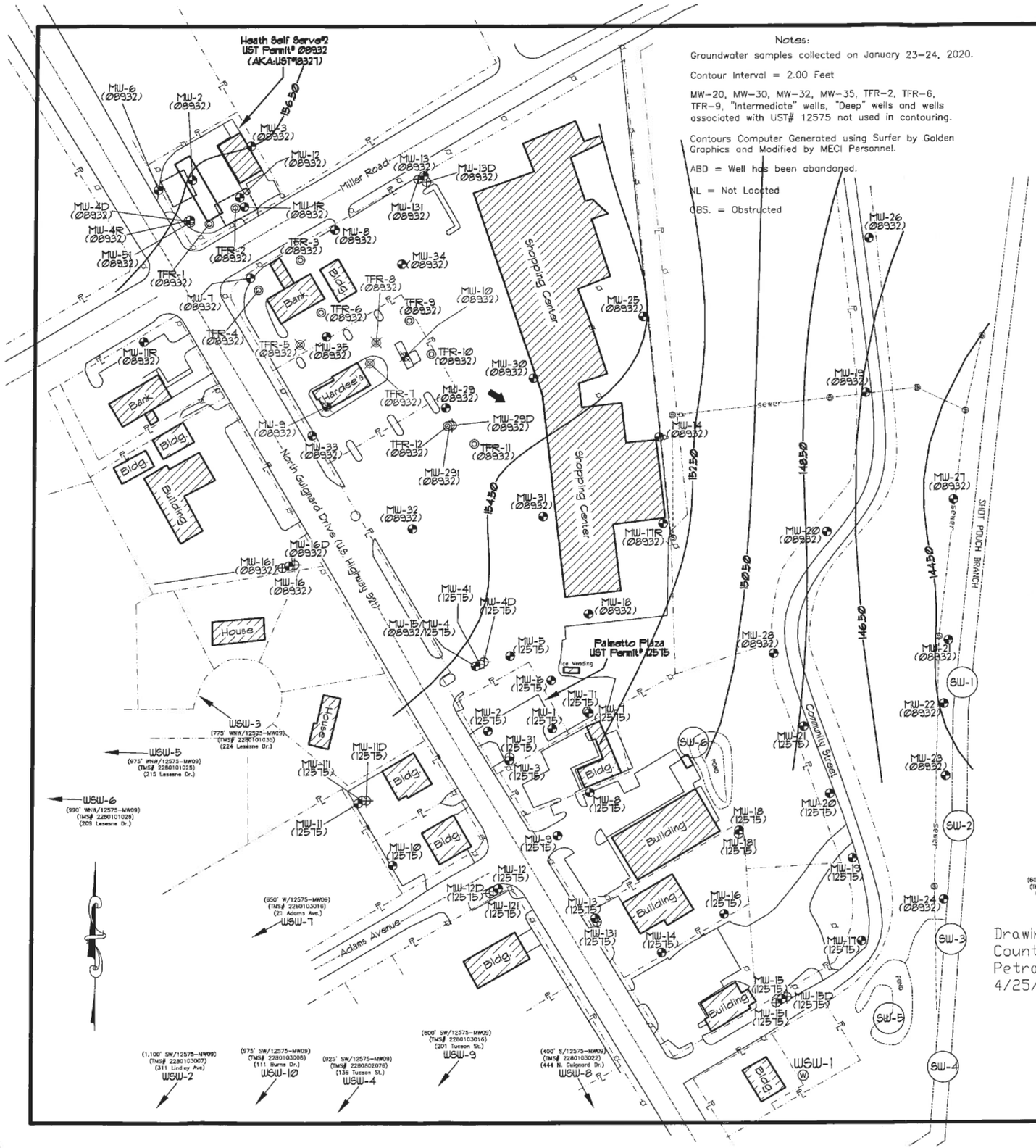
HQ Heath Self Serve #2
501 North Guignard Drive
Sumter, South Carolina
SCDHEC Site ID 08932

Midlands Environmental Consultants, Inc.

JOB NO. 19-7037

DATE February 11, 2020

FIGURE 4C



Notes:

Groundwater samples collected on January 23–24, 2020.

Contour Interval = 2.00 Feet

MW-20, MW-30, MW-32, MW-35, TFR-2, TFR-6, TFR-9, "Intermediate" wells, "Deep" wells and wells associated with UST# 12575 not used in contouring.

Contours Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.

ABD = Well has been abandoned.

NL = Not Located

OBS. = Obstructed

Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of "Deep" Monitoring Well
- Location of "Intermediate" Monitoring Well
- Location of 4-inch Recovery Well
- Location of Abandoned Well
- (SW) Location of Surface Water Sample Collection

——— Groundwater Elevation Contour (feet)

Drawing Based on MECI Field Notes, Sumter County GIS Imagery and Figures by Petra-Tech Environmental, LLC., dated 4/25/2016.

GRAPHIC SCALE

0 90 180 270 360

1IN = 180FT

ALL LOCATIONS ARE APPROXIMATE

POTENTIOMETRIC DATA

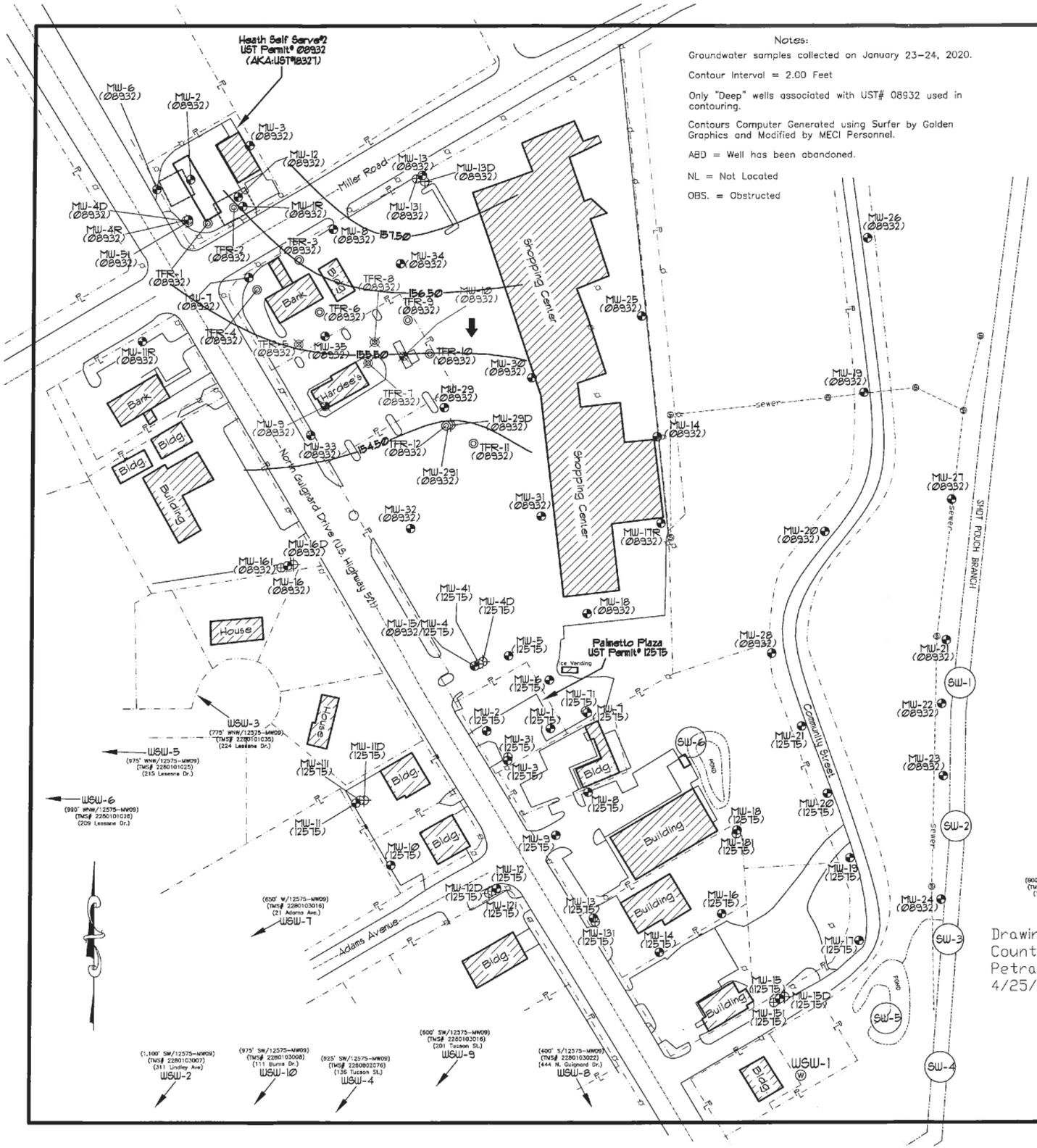
Well Number	Screened Interval	Depth to Water (feet)	Well-head Elevation	Groundwater Elevation
MW-1R	13-23	15.48	171.85	156.37
MW-2	14-24	15.32	171.75	156.43
MW-3	14-24	17.08	173.70	156.62
MW-4R	12-22	14.77	171.22	156.45
MW-4D	52-57	15.37	171.17	155.80
MW-5i	40-45	15.04	171.15	156.11
MW-6	12-22	14.55	171.25	156.70
MW-7	12-22	15.87	171.23	155.36
MW-8	13-23	16.14	172.15	156.01
MW-9	13-23	Abandoned	170.53	Abandoned
MW-10	13-23	Abandoned	170.31	Abandoned
MW-11R	13-23	14.14	170.33	156.19
MW-12	10-30	15.84	169.21	153.37
MW-13	13-23	16.54	172.43	155.89
MW-13i	40-45	17.38	172.40	155.02
MW-13D	53-58	13.80	172.34	158.54
MW-14	10-20	10.61	164.01	153.40
MW-15	8-18	9.53	163.92	154.39
MW-16	10-20	11.42	166.77	155.35
MW-16i	40-45	11.64	166.66	155.02
MW-16D	55-60	12.77	166.78	154.01
MW-17R	10-20	10.47	163.81	153.34
MW-18	10-20	11.22	165.04	153.82
MW-19	3-13	2.94	149.34	146.40
MW-20	3-13	4.00	173.24	169.24
MW-21	3-13	NL	145.46	NL
MW-22	3-13	1.63	145.86	144.23
MW-23	3-13	0.00	145.47	145.47
MW-24	3-13	NL	144.62	NL
MW-25	6-16	7.75	162.47	154.72
MW-26	5-15	3.25	150.23	146.98
MW-27	6-16	2.51	146.19	143.68
MW-28	2-12	4.16	153.73	149.57
MW-29	10-20	13.73	169.20	155.47
MW-29i	40-45	14.11	169.12	155.01
MW-29D	55-60	14.72	169.08	154.36
MW-30	10-20	10.48	168.05	157.57
MW-31	10-20	13.52	167.65	154.13
MW-32	10-20	13.09	168.07	154.98
MW-33	10-20	13.85	169.33	155.48
MW-34	10-20	14.28	170.36	156.08
MW-35	10-20	13.72	171.18	157.46
TFR-1	TD: 24.40'	15.18	171.56	156.38
TFR-2	TD: 24.00'	15.63	172.02	156.39
TFR-3	TD: 25.20'	15.55	171.48	155.93
TFR-4	TD: 24.30'	15.62	171.35	155.73
TFR-5	TD: 25.00'	Abandoned	171.34	Abandoned
TFR-6	TD: 22.18'	12.62	171.03	158.41
TFR-7	TD: 25.00'	Abandoned	170.92	Abandoned
TFR-8	TD: 25.00'	Abandoned	170.74	Abandoned
TFR-9	TD: 25.01'	14.61	169.85	155.24
TFR-10	TD: 24.92'	13.94	168.99	155.05
TFR-11	TD: 25.03'	14.08	168.71	154.63
TFR-12	TD: 25.03'	Obstructed	172.28	Obstructed

Potentiometric Data Site Map
(Groundwater Contour-"Shallow" Zone)

HQ Heath Self Serve #2
501 North Guignard Drive
Sumter, South Carolina
SCDHEC Site ID 08932

Midlands Environmental Consultants, Inc.

JOB NO. 19-7037
DATE February 11, 2020
FIGURE 5



Notes:

Groundwater samples collected on January 23–24, 2020.

Contour Interval = 2.00 Feet

Only "Deep" wells associated with UST# 08932 used in contouring.

Contours Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.

ABD = Well has been abandoned.

NL = Not Located

OBS. = Obstructed

Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of "Deep" Monitoring Well
- Location of "Intermediate" Monitoring Well
- Location of 4-Inch Recovery Well
- Location of Abandoned Well
- (SW) Location of Surface Water Sample Collection

——— Groundwater Elevation Contour (feet)

Drawing Based on MECI Field Notes, Sumter County GIS Imagery and Figures by Petra-Tech Environmental, LLC., dated 4/25/2016.

GRAPHIC SCALE

0 90 180 270 360

1IN = 180FT

ALL LOCATIONS ARE APPROXIMATE

POTENTIOMETRIC DATA

Well Number	Screened Interval	Depth to Water (feet)	Well-head Elevation	Groundwater Elevation
MW-1R	13-23	15.48	171.85	156.37
MW-2	14-24	15.32	171.75	156.43
MW-3	14-24	17.08	173.70	156.62
MW-4R	12-22	14.77	171.22	156.45
MW-4D	52-57	15.37	171.17	155.80
MW-5i	40-45	15.04	171.15	156.11
MW-6	12-22	14.55	171.25	156.70
MW-7	12-22	15.87	171.23	155.36
MW-8	13-23	16.14	172.15	156.01
MW-9	13-23	Abandoned	170.53	Abandoned
MW-10	13-23	Abandoned	170.31	Abandoned
MW-11R	13-23	14.14	170.33	156.19
MW-12	10-30	15.84	169.21	153.37
MW-13	13-23	16.54	172.43	155.89
MW-13i	40-45	17.38	172.40	155.02
MW-13D	53-58	13.80	172.34	158.54
MW-14	10-20	10.61	164.01	153.40
MW-15	8-18	9.53	163.92	154.39
MW-16	10-20	11.42	166.77	155.35
MW-16i	40-45	11.64	166.66	155.02
MW-16D	55-60	12.77	166.78	154.01
MW-17R	10-20	10.47	163.81	153.34
MW-18	10-20	11.22	165.04	153.82
MW-19	3-13	2.94	149.34	146.40
MW-20	3-13	4.00	173.24	169.24
MW-21	3-13	NL	145.46	NL
MW-22	3-13	1.63	145.86	144.23
MW-23	3-13	0.00	145.47	145.47
MW-24	3-13	NL	144.62	NL
MW-25	6-16	7.75	162.47	154.72
MW-26	5-15	3.25	150.23	146.98
MW-27	6-16	2.51	146.19	143.68
MW-28	2-12	4.16	153.73	149.57
MW-29	10-20	13.73	169.20	155.47
MW-29i	40-45	14.11	169.12	155.01
MW-29D	55-60	14.72	169.08	154.36
MW-30	10-20	10.48	168.05	157.57
MW-31	10-20	13.52	167.65	154.13
MW-32	10-20	13.09	168.07	154.98
MW-33	10-20	13.85	169.33	155.48
MW-34	10-20	14.28	170.36	156.08
MW-35	10-20	13.72	171.18	157.46
TFR-1	TD: 24.40'	15.18	171.56	156.38
TFR-2	TD: 24.00'	15.63	172.02	156.39
TFR-3	TD: 25.20'	15.55	171.48	155.93
TFR-4	TD: 24.30'	15.62	171.35	155.73
TFR-5	TD: 25.00'	Abandoned	171.34	Abandoned
TFR-6	TD: 22.18'	12.62	171.03	158.41
TFR-7	TD: 25.00'	Abandoned	170.92	Abandoned
TFR-8	TD: 25.00'	Abandoned	170.74	Abandoned
TFR-9	TD: 25.01'	14.61	169.85	155.24
TFR-10	TD: 24.92'	13.94	168.99	155.05
TFR-11	TD: 25.03'	14.08	168.71	154.63
TFR-12	TD: 25.03'	Obstructed	172.28	Obstructed

Potentiometric Data Site Map
(Groundwater Contour-"Deep" Zone)

HQ Heath Self Serve #2
501 North Guignard Drive
Sumter, South Carolina
SCDHEC Site ID 08932

Midlands Environmental Consultants, Inc.

JOB NO. 19-7037
DATE February 11, 2020
FIGURE 5A

APPENDIX A:

SITE SURVEY

(Not Applicable)

APPENDIX A:

SITE SURVEY

(Not Applicable)

APPENDIX B:

SAMPLING LOGS, LABORATORY DATA SHEETS, & CHAIN-OF-CUSTODY FORMS

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: BP, RG, SS, GG

Sampling Date(s): 1/23/2020 - 1/24/2020

Sampling Case#: 1

Job Name: ~~NTRM~~ HQ Heath Self Serve 2

Job Number: 19-7037

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-1R	Initial	11:21	6.44	145.8	20.8	2.25	27.18		15.48		13				1/24
	1st	11:22	6.24	161.3	21.4	2.89	56.18				23	7.52	1.23	6.5	slight
	2nd	11:23	6.16	164.8	21.5	2.93	45.12								
	3rd	11:24	6.08	174.9	21.7	3.04	39.44								
	4th	11:25	6.12	182.2	21.6	2.97	36.81								
	5th	11:26	6.06	176.1	21.6	3.01	29.17					7.52	6.13		odor
	Sampling														
MW-2	Initial	10:03	6.32	186.0	20.7	1.64	38.94		15.32		14				1/24
	1st	10:04	6.20	194.7	21.3	2.17	78.61				24	8.68	1.41	7.5	odor
	2nd	10:05	6.14	206.8	21.5	2.29	46.12								
	3rd	10:06	6.09	211.9	21.6	2.36	36.91								
	4th	10:08	6.04	209.4	21.7	2.41	31.18								
	5th	10:09	6.01	207.1	21.7	2.38	27.49					8.68	7.07		
	Sampling														
MW-3	Initial	9:51	5.40	23.5	19.3	5.25	20.47		12.08		14				1/24
	1st	9:52	5.26	24.0	19.8	5.93	56.12				24	6.92	1.73	6	No odor
	2nd	9:53	5.17	29.2	20.0	5.60	48.13								
	3rd	9:54	5.11	26.3	20.1	5.64	39.41								
	4th	9:55	5.04	25.3	20.3	5.74	30.18								
	5th	9:56	5.10	26.8	20.2	5.69	25.61					6.92	5.64		
	Sampling														
MW-4R	Initial	10:35							14.22		12				1/24
	1st	10:36		Sheen							22	7.78	1.78	6	odor
	2nd	10:38													Sheen
	3rd	10:39													
	4th	10:41													
	5th	10:42										7.78	5.89		
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height

One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

763 gallons

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: BP, RG, SS, GG

Sampling Date(s): 1/23/2020-1/24/2020

Sampling Case#: 1

Job Name: ~~19-7037~~ HQ Heath Self Serve 2

Job Number: 19-7037

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: (Yes) No

Conductivity: (Yes) No

Dissolved Oxygen: (Yes) No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-4D	Initial	10:03	6.41	143.0	22.6	2.19	27.43		15.37		52	41.63	6.79	34	1/24 Slight odor
	1st	10:08	6.30	136.4	23.0	2.47	61.14				57				
	2nd	10:13	6.24	128.7	23.1	2.61	54.71								
	3rd	10:18	6.17	124.1	23.2	2.70	46.11								
	4th	10:23	6.14	120.2	23.2	2.73	30.29								
	5th	10:28	6.16	123.9	23.2	2.69	34.18						33.93		
	Sampling														
MW-5D	Initial	10:16	6.24	48.2	22.3	3.21	19.61		15.01		40	29.96	4.88	24.5	1/24 No odor Some paperwork says MW-5; some says MW-5D. There is no tag
	1st	10:20	6.14	37.9	22.7	3.04	54.51				45				
	2nd	10:24	6.09	32.8	22.8	2.89	46.11								
	3rd	10:28	6.07	29.8	22.9	2.78	40.12								
	4th	10:32	6.11	31.4	23.0	2.83	34.18								
	5th	10:36	6.06	33.7	23.0	2.77	26.12						24.42		
	Sampling														
MW-6	Initial	9:51	6.27	169.9	20.5	1.39	30.49		14.55		12	7.45	1.21	6.5	1/24 No odor
	1st	9:52	6.02	191.4	21.0	1.98	64.71				22				
	2nd	9:53	5.96	202.8	21.1	2.17	58.18								
	3rd	9:54	5.91	214.1	21.2	2.26	40.24								
	4th	9:55	5.87	210.4	21.2	2.21	36.12								
	5th	9:56	5.90	207.8	21.2	2.29	31.74						6.07		
	Sampling														
MW-7	Initial	12:52							15.87		12	6.13	1.00	5	1/23 odor sheen
	1st	12:53									22				
	2nd	12:54	sheen												
	3rd	12:55													
	4th	12:56													
	5th	12:57											5.00		
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height

One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: BP, RG, SS, GG

Sampling Date(s): 1/23/2020 - 1/24/2020

Sampling Case#: 1

Job Name: ~~[illegible]~~ HQ Heath self serve 2

Job Number: 19-7037

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-8	Initial	12:00													
	1st	12:01									13				
	2nd	12:02	Sheen										1.12		odor 4/23
	3rd	12:03													
	4th	12:04									23	6.86		6	sheen
	5th	12:05													
	Sampling								16.14				5.59		
MW-9	Initial														
	1st														
	2nd		Destroyed								13				
	3rd														
	4th										23				
	5th														
	Sampling														
MW-10	Initial														
	1st														
	2nd		Destroyed								13				
	3rd														
	4th										23				
	5th														
	Sampling														
MW-11R	Initial	9:10	6.62	315.2	20.6	2.83	22.67								
	1st	9:11	6.42	341.8	21.3	3.14	58.17				13				
	2nd	9:12	6.31	357.1	21.4	3.30	42.13						1.44		Sl. Sht 4/24
	3rd	9:13	6.26	360.2	21.6	3.42	37.98								
	4th	9:14	6.24	354.9	21.7	3.50	30.41				23	8.86		7.5	odor
	5th	9:15	6.27	359.1	21.6	3.46	26.37								
	Sampling								14.14				7.22		

*= (Depth of Well) - (Depth to Water = Water Height

One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: BP, RG, SS, GG

Sampling Date(s): 1/23/2020-1/24/2020

Sampling Case#: 1

Job Name: ~~[illegible]~~ HQ Heath Self Serve 2

Job Number: 19-7037

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-12	Initial	11:15							15.84		10	14.16	9.25	46.5	odor 1/24 sheen 4" well Carbadded
	1st	11:23	Sheen												
	2nd	11:31													
	3rd	11:39													
	4th	11:47													
	5th	11:55									30		46.23		
	Sampling														
MW-13	Initial	11:48	5.03	34.8	20.9	4.48	31.18		14.41		13	6.46	1.05	5.5	No odor 1/23
	1st	11:49	4.96	41.9	21.4	5.02	60.34								
	2nd	11:50	4.89	47.8	21.6	5.14	51.43								
	3rd	11:51	4.82	53.4	21.7	5.26	44.12								
	4th	11:52	4.78	54.1	21.8	5.21	37.41				23		5.26		
	5th	11:53	4.80	52.9	21.8	5.19	32.99								
	Sampling														
MW-13i	Initial	13:00	5.80	56.1	21.9	3.34	30.24		12.38		40	27.62	4.50	23	No odor 1/23
	1st	13:04	5.61	47.3	22.6	2.89	60.24								
	2nd	13:08	5.48	42.8	22.7	2.74	46.91								
	3rd	13:12	5.41	39.3	22.8	2.68	39.18				45		22.51		
	4th	13:16	5.46	40.3	22.8	2.72	34.16								
	5th	13:20	5.42	41.8	22.8	2.69	36.11								
	Sampling														
MW-13D	Initial	12:28	5.32	51.5	21.8	2.15	21.67		13.80		53	44.2	7.20	36.5	No odor 1/23
	1st	12:33	5.19	46.1	22.4	2.61	54.74								
	2nd	12:38	5.11	44.2	22.6	2.78	48.13								
	3rd	12:43	5.04	40.8	22.7	2.90	39.16				58		36.02		
	4th	12:48	4.97	37.9	22.7	2.89	35.11								
	5th	12:53	4.95	39.1	22.6	2.93	24.94								
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height

One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: BP, RG, SS, GG

Sampling Date(s): 1/23/2020-1/24/2020

Sampling Case#: 1

Job Name: ~~19-7037~~ HQ Heath Self Serve 2

Job Number: 19-7037

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: **Conductivity Calibrated Every 3 Months by QA Manager**

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-14	Initial	10:09	4.30	78.0	18.7	2.89	20.46		10.61		10	9.39	1.53	8	No odor 1/23
	1st	10:10	4.17	89.3	19.3	3.14	63.44				20		7.65		
	2nd	10:11	4.12	94.6	19.5	3.36	42.91								
	3rd	10:12	4.08	101.4	19.6	3.42	42.12								
	4th	10:13	4.10	102.3	19.5	3.38	21.42								
	5th	10:14	4.11	99.7	19.6	3.41	24.63								
	Sampling														
MW-15	Initial	10:21	4.44	125.2	22.1	4.34	19.67		9.52		8	8.47	1.38	7	No odor 1/23
	1st	10:22	4.31	137.8	22.7	4.54	59.12				18		6.40		
	2nd	10:23	4.28	144.2	22.9	4.68	47.18								
	3rd	10:24	4.26	150.3	23.1	4.73	34.31								
	4th	10:25	4.29	149.8	23.2	4.80	27.18								
	5th	10:26	4.30	153.7	23.3	4.74	24.12								
	Sampling														
MW-16	Initial	9:32	4.63	35.5	20.0	4.77	19.42		11.42		10	8.58	1.40	7	No odor 1/23
	1st	9:33	4.54	46.1	20.8	4.98	60.31				20		6.99		
	2nd	9:34	4.51	48.2	21.0	5.04	42.63								
	3rd	9:35	4.48	50.4	21.1	5.11	39.18								
	4th	9:36	4.50	51.3	21.0	5.07	31.44								
	5th	9:37	4.49	49.1	21.1	5.14	27.61								
	Sampling														
MW-16i	Initial	9:32	5.23	41.3	19.7	2.53	22.04		11.64		40	33.36	5.44	27.5	No odor 1/23
	1st	9:36	4.93	41.2	21.1	1.88	61.29				45		27.19		
	2nd	9:40	4.71	40.2	21.2	1.67	46.12								
	3rd	9:44	4.66	35.7	21.3	1.52	39.18								
	4th	9:48	4.63	36.9	21.3	1.44	36.42								
	5th	9:52	4.68	35.8	21.4	1.51	27.88								
	Sampling														

*= (Depth of Well) - (Depth to Water = **Water Height**

One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

= One Well Volume x 5 = **Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	PH/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: BP, RG, SS, GG

Sampling Date(s): 1/23/2020-1/24/2020

Sampling Case#: 1

Job Name: ~~[illegible]~~ HQ Heath Self Serve 2

Job Number: 19-7037

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: (Yes) No

Conductivity: (Yes) No

Dissolved Oxygen: (Yes) No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-16D	Initial	9:32	5.48	59.8	19.2	2.18	19.64		12.77		55	47.23	7.70	39	No odor 1/23
	1st	9:38	5.47	55.0	20.2	3.42	58.36				60				
	2nd	9:44	5.42	51.2	20.4	3.61	46.12								
	3rd	9:50	5.36	46.7	20.5	3.78	39.38								
	4th	9:56	5.38	50.3	20.5	3.65	31.62						38.49		
	5th	10:02	5.40	44.8	20.4	3.71	24.50								
	Sampling														
MW-17R	Initial	10:09	5.34	97.6	22.1	2.52	29.13		10.47		10	9.53	1.55	8	Slight odor 1/23
	1st	10:10	5.11	109.1	22.7	3.04	60.14				20				
	2nd	10:11	4.98	111.4	22.8	3.17	54.26								
	3rd	10:12	4.87	114.3	22.9	3.24	41.12								
	4th	10:13	4.41	112.8	23.1	3.19	31.18						7.77		
	5th	10:14	4.86	113.4	23.1	3.16	28.74								
	Sampling														
MW-18	Initial	10:21	4.78	61.7	21.7	1.54	27.11		11.22		10	8.78	1.43	7.5	No odor 1/23
	1st	10:22	4.51	74.3	22.2	2.46	63.24				20				
	2nd	10:23	4.44	80.1	22.5	2.57	50.47								
	3rd	10:24	4.38	84.4	22.7	2.63	43.88								
	4th	10:25	4.40	83.9	22.6	2.58	37.18						7.16		
	5th	10:26	4.43	90.1	22.7	2.54	28.94								
	Sampling														
MW-19	Initial	9:39	5.86	33.7	17.2	2.01	20.47		2.94		3	10.06	1.64	8.5	Slight odor 1/24
	1st	9:40	5.64	46.2	17.8	2.47	58.34				13				
	2nd	9:41	5.57	51.2	18.0	2.56	46.21								
	3rd	9:42	5.53	56.1	18.1	2.61	40.19								
	4th	9:43	5.50	61.4	18.2	2.54	38.71						8.20		
	5th	9:44	5.54	59.8	18.2	2.51	20.11								
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height

One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
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6"	1.469

Sampling Case#	Ph/Conductanee SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: BP, RG, SS, GG

Sampling Date(s): 1/23/2020-~~1/24/2020~~

Sampling Case#: 1

Job Name: ~~19-7037~~ HQ Heath Self Serve 2

Job Number: 19-7037

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-20	Initial	9:00	5.10	61.4	14.6	2.90	22.47		~~12.5~~		3				
	1st	9:02	4.78	79.4	15.3	3.57	58.41						2.54		Slight odor 1/23
	2nd	9:04	4.71	86.9	15.4	3.78	43.94				13	15.5		13	
	3rd	9:06	4.69	91.3	15.6	3.90	41.18		4.00						
	4th	9:08	4.74	94.8	15.7	3.84	34.12						12.69		
	5th	9:10	4.72	90.6	15.8	3.79	26.41								
	Sampling														
MW-21	Initial										3				
	1st														
	2nd		DNL								8				
	3rd														
	4th														
	5th														
	Sampling														
MW-22	Initial	9:17	5.48	56.9	15.6	2.37	33.16				3				
	1st	9:18	5.12	74.3	16.2	3.04	78.31						1.85		Slight odor 1/23
	2nd	9:19	5.06	81.6	16.4	3.19	52.16				13	11.5		9.5	
	3rd	9:21	5.01	83.9	16.5	3.30	46.11		1.63						
	4th	9:22	5.04	80.4	16.5	3.24	34.24						9.27		
	5th	9:24	5.02	85.1	16.5	3.19	31.49								
	Sampling														
MW-23	Initial	9:17	5.52	59.4	17.1	2.28	32.94				3				
	1st	9:18	5.38	71.8	18.0	3.01	80.16						2.12		No odor 1/23
	2nd	9:19	5.27	77.9	18.1	3.17	64.12				13	13		11	
	3rd	9:21	5.21	83.6	18.1	3.20	50.18		0						
	4th	9:23	5.18	85.1	18.2	3.13	39.24						10.60		
	5th	9:24	5.15	82.8	18.1	3.17	36.11								
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height

One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: BP, RG, SS, GG

Sampling Date(s): 1/23/2020-1/24/2020

Sampling Case#: 1

Job Name: ~~NTOOM~~ HQ Heath Self Serve 2

Job Number: 19-7037

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: (Yes) No

Conductivity: (Yes) No

Dissolved Oxygen: (Yes) No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
mw-24	Initial										3				
	1st		DNL												
	2nd										13				
	3rd														
	4th														
	5th														
	Sampling														
mw-25	Initial	10:04	5.16	79.9	19.6	5.02	26.11				6				
	1st	10:10	5.01	88.4	20.3	5.39	61.42								
	2nd	10:11	4.96	91.3	20.5	5.47	46.11		7.74		16	8.24	1.34	7	No 1/23 odor
	3rd	10:12	4.91	97.4	20.6	5.55	39.12								
	4th	10:13	4.87	94.3	20.7	5.48	30.46						6.72		
	5th	10:14	4.90	96.1	20.9	5.50	27.31								
	Sampling														
mw-26	Initial	9:00	6.31	98.1	15.5	1.34	22.75				5				
	1st	9:02	5.94	103.4	16.8	2.15	76.81						1.92		
	2nd	9:03	5.76	111.6	16.9	2.44	46.12								organ.2 1/23 odor
	3rd	9:05	5.63	116.8	16.8	2.52	40.16		7.26		15	11.75		10	
	4th	9:06	5.66	119.1	16.8	2.58	35.12								
	5th	9:08	5.64	117.3	16.8	2.48	26.19						9.58		
	Sampling														
mw-27	Initial	9:22	6.77	90.0	15.2	2.19	30.17				6				
	1st	9:24	6.46	101.9	16.0	2.82	69.42						2.20		
	2nd	9:26	6.38	107.3	16.1	2.96	58.16				16	13.49		11	1/24 No odor
	3rd	9:28	6.31	111.4	16.2	3.04	44.12		2.51						
	4th	9:30	6.25	109.8	16.3	3.09	39.18						10.99		
	5th	9:32	6.28	108.1	16.2	3.05	34.63								
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height

One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: BP, RG, SS, GG

Sampling Date(s): 1/23/2020-1/24/2020

Sampling Case#: 1

Job Name: ~~[illegible]~~ HQ Heath self serve 2

Job Number: 19-7037

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: **Conductivity Calibrated Every 3 Months by QA Manager**

Well No.	Purge Volume	Sample Time	pH(l)	cond(l)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
mw-28	Initial	9:00	5.42	179.8	14.6	2.46	21.63		5:12.20						
	1st	9:01	5.10	191.4	15.4	3.10	64.12				2		1.64		No odor 1/23
	2nd	9:02	5.04	208.3	15.5	3.19	50.13								
	3rd	9:03	4.98	211.1	15.5	3.30	40.69		4.16						
	4th	9:04	5.03	207.6	15.6	3.14	33.42				12	10.04		8.5	
	5th	9:05	5.07	205.1	15.6	3.28	26.47						8.18		
	Sampling														
mw-24	Initial	11:24	5.47	154.7	22.1	2.59	31.46								
	1st	11:25	5.24	171.3	22.7	2.10	61.42				10		1.02		Slight odor 1/23
	2nd	11:26	5.16	179.4	22.9	3.24	51.18								
	3rd	11:27	5.13	186.1	23.0	3.36	46.11		13.73						
	4th	11:28	5.09	190.3	23.1	3.31	37.24				20	6.27		5.5	
	5th	11:29	5.11	188.1	23.1	3.32	33.41						5.11		
	Sampling														
mw-29i	Initial	11:24	5.32	83.5	23.2	2.44	24.67								
	1st	11:29	5.11	78.6	23.7	2.12	58.31				40		5.04		No odor 1/23
	2nd	11:34	5.01	74.3	23.9	2.04	46.24								
	3rd	11:39	4.94	71.9	24.1	1.96	37.88		14.11						
	4th	11:44	4.91	68.7	24.2	1.94	31.42				45	30.87		25.5	
	5th	11:49	4.97	70.3	24.1	2.01	26.91						25.18		
	Sampling														
mw-29D	Initial	10:52	5.48	98.0	23.6	2.12	20.43								
	1st	10:57	5.31	87.4	23.7	2.63	65.14				55		7.38		No odor 1/23
	2nd	11:02	5.26	85.1	23.8	2.78	56.31								
	3rd	11:07	5.17	84.2	23.8	2.85	42.91		14.72						
	4th	11:12	5.19	81.9	23.8	2.91	36.24				60	45.28		37	
	5th	11:17	5.16	85.1	23.7	2.87	24.11						36.90		
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height

One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: BP, RG, SS, GG

Sampling Date(s): 1/23/2020 - 1/24/2020

Sampling Case#: 1

Job Name: ~~[illegible]~~ HQ Heath Self Serve 2

Job Number: 19-7037

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
mw-30	Initial	10:40	5.65	162.2	22.5	1.70	31.68		10.42		10	9.42	1.55	8	1/23 organic odor
	1st	10:41	5.37	189.4	23.1	2.31	61.98				20				
	2nd	10:42	5.29	193.8	23.2	2.44	52.18								
	3rd	10:43	5.24	199.1	23.3	2.56	45.12								
	4th	10:44	5.19	201.4	23.4	2.60	36.71						7.76		
	5th	10:45	5.20	198.3	23.5	2.67	34.18								
	Sampling														
mw-31	Initial	10:40	5.48	84.9	21.4	2.78	29.13		13.52		10	6.48	1.06	5.5	1/23 no odor
	1st	10:41	5.12	96.3	21.9	3.14	60.31				20				
	2nd	10:42	5.04	99.1	22.1	3.29	49.18								
	3rd	10:43	5.01	104.2	22.2	3.31	46.12								
	4th	10:44	5.07	107.8	22.3	3.27	34.76						5.28		
	5th	10:45	5.07	109.9	22.3	3.25	31.24								
	Sampling														
mw-32	Initial	10:40	5.48	140.1	21.7	2.78	31.24		13.09		10	6.91	1.13	6	1/23 odor
	1st	10:41	5.24	213.1	22.4	3.19	57.81				20				
	2nd	10:42	5.17	224.2	22.6	3.24	42.18								
	3rd	10:43	5.10	227.1	22.7	3.31	44.12								
	4th	10:44	5.09	224.3	22.7	3.27	34.74						5.63		
	5th	10:45	5.11	226.1	22.6	3.32	36.18								
	Sampling														
mw-33	Initial	10:52	5.21	106.5	20.8	2.14	30.67		13.85		10	6.15	1.00	5.5	1/23 odor
	1st	10:53	5.11	114.3	21.4	2.87	67.81				20				
	2nd	10:54	5.06	119.8	21.6	2.99	51.42								
	3rd	10:55	5.03	124.7	21.7	3.10	46.11								
	4th	10:56	5.04	126.9	21.7	3.17	40.24						5.01		
	5th	10:57	5.02	127.8	21.6	3.14	35.18								
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height

One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: BP, RG, SS, GG

Sampling Date(s): 1/23/2020 - 1/24/2020

Sampling Case#: 1

Job Name: ~~19-7037~~ HQ Heath Self Serve 2

Job Number: 19-7037

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
mw-34	Initial	11:36	5.07	73.8	22.5	1.83	28.41		14.28		10	4'	0.93	5	1/23 odor
	1st	11:37	4.98	84.9	23.1	2.07	61.24				20				
	2nd	11:38	4.87	91.3	23.2	2.14	41.81								
	3rd	11:39	4.74	98.7	23.2	2.20	~~40.84~~								
	4th	11:40	4.83	103.1	23.3	2.21	36.12								
	5th	11:41	4.78	101.7	23.3	2.18	31.49						4.66		
	Sampling														
mw-35	Initial	11:36	Sheen						13.72		10	6'	1.02	5.5	1/23 odor sheen dup-3
	1st	11:37									20				
	2nd	11:38													
	3rd	11:39													
	4th	11:40													
	5th	11:41											5.12		
	Sampling														
TFR-1	Initial	10:43	Sheen						15.12		TD 24.40	8.22'	~~6.02~~	~~30~~ 30.5	1/24 odor sheen
	1st	10:48													
	2nd	10:53													
	3rd	10:58													
	4th	11:03													
	5th	11:08											~~30.10~~		
	Sampling														
TFR-2	Initial	10:49	Sheen						15.63		TD 24	8'	5.47	27.5	1/24 odor sheen
	1st	10:54													
	2nd	10:59													
	3rd	11:04													
	4th	11:09													
	5th	11:14											27.33		
	Sampling														

*= (Depth of Well) - (Depth to Water = **Water Height**

One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: BP, RG, SS, GG

Sampling Date(s): 1/23/2020 - 1/24/2020

Sampling Case#: 1

Job Name: ~~[illegible]~~ HQ Heath Self Serve 2

Job Number: 19-7037

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
TFR-3	Initial	~~[illegible]~~							4.44		TD 25.20	2.64	6.30	32	odor 1/23 sheen
	1st	13:32		sheen											
	2nd	13:37													
	3rd	13:42													
	4th	13:47													
	5th	13:52											31.51		
	Sampling														
TFR-4	Initial	12:20	4.99	36.7	21.7	2.87	20.65		5.62		TD 24.30	8.68	5.67	28.5	odor 1/23
	1st	12:25	4.61	42.9	21.8	3.41	5039								
	2nd	12:30	4.54	46.8	21.9	3.62	46.12								
	3rd	12:35	4.49	50.1	22.1	3.71	35.81								
	4th	12:40	4.46	51.3	22.2	3.80	30.21								
	5th	12:45	4.48	49.7	22.3	3.76	26.11						28.14		
	Sampling														
TFR-5	Initial	~~[illegible]~~									TD 25				
	1st														
	2nd			Abandoned											
	3rd														
	4th														
	5th														
	Sampling														
TFR-6	Initial	11:48							12.62		TD 22.18	9.56	6.24	31.5	odor 1/23 sheen
	1st	11:53													
	2nd	11:58		sheen											
	3rd	12:03													
	4th	12:08													
	5th	12:13											31.21		
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height

One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: BP, RG, SS, GG

Sampling Date(s): 1/23/2020 - 1/24/2020

Sampling Case#: 1

Job Name: ~~[illegible]~~ HQ Heath Self Serve 2

Job Number: 19-7037

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: (Yes) No

Conductivity: (Yes) No

Dissolved Oxygen: (Yes) No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
TFR-7	Initial										TD				
	1st														
	2nd														
	3rd		Abandoned												
	4th										25				
	5th														
	Sampling														
TFR-8	Initial	~~11:36~~									TD				
	1st														
	2nd														
	3rd		Abandoned												
	4th										25				
	5th														
	Sampling														
TFR-9	Initial	11:04	5.60	68.7	23.1	1.60	31.42		14.61		TD 25.01	10.4	6.79	34	Slight odor 1/23
	1st	11:09	5.24	76.3	23.8	1.98	66.17								
	2nd	11:14	5.16	79.8	23.9	2.13	54.31								
	3rd	11:19	5.11	84.6	24.0	2.28	46.24								
	4th	11:24	5.09	85.1	24.0	2.31	39.13						33.96		
	5th	11:29	5.10	83.7	24.1	2.27	36.12								
	Sampling														
TFR-10	Initial	11:56							13.44		TD 24.92	10.48	7.17	36	odor sheen 1/23 DUP-2
	1st	12:01	Sheen												
	2nd	12:06													
	3rd	12:11													
	4th	12:16											35.85		
	5th	12:21													
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height

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**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
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4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: BP, RG, SS, GG

Sampling Date(s): 1/23/2020-1/24/2020

Sampling Case#: 1

Job Name: ~~MW-35~~ HQ Heath self serve 2

Job Number: 19-7037

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
TFR-11	Initial	10:52	5.29	102.2	22.2	2.19	28.49				TD				odor 1/23
	1st	10:57	5.18	141.3	22.8	2.58	59.14								
	2nd	11:02	5.12	156.7	22.9	2.69	48.11		14.08						
	3rd	11:07	5.04	161.8	23.1	2.73	42.45								
	4th	11:12	5.09	154.9	23.1	2.77	36.11				25.03	10.95	7.15	36	Dup-1
	5th	11:17	5.09	160.4	23.2	2.74	31.94								
	Sampling												35.75		
TFR-12	Initial	~~10:52~~									TD				
	1st														
	2nd		gauged	Dry											
	3rd														
	4th		Solid	obstruction	@	3'					20				
	5th														
	Sampling														
Dup-1	Initial	11:17	1/23		odor, ~~sheen~~			TFR-11							
Dup-2	1st														
	2nd	12:21	1/23		odor, sheen			TFR-10							
Dup-3	3rd														
	4th	11:41	1/23		odor, sheen			MW-35							
	5th														
	Sampling														
FB-1	Initial	1/23	14:09		TB-1		1/23		8:00						
	1st														
FB-2	2nd	1/24	12:00												
	3rd				TB-2		1/23		8:00						
	4th														
	5th														
	Sampling				TB-3		1/24		8:00						

*= (Depth of Well) - (Depth to Water = Water Height

One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

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Casing	Gallons
1"	0.047
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4"	0.653
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Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: BP, RG, SS, GG

Sampling Date(s): 1/23/2020 - 1/24/2020

Sampling Case#: 1

Job Name: ~~[illegible]~~ HQ Heath Self Serve 2

Job Number: 19-7037

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
Sw-1	Initial	9:17	1/23	collected	from		stream								
	1st														
	2nd														
Sw-2	3rd	9:19	1/23	collected	from		stream								
	4th														
	5th														
	Sampling														
Sw-3	Initial	9:21	1/23	collected	from		stream								
	1st														
	2nd														
Sw-4	3rd	9:23	1/23	collected	from		stream								
	4th														
	5th														
	Sampling														
Sw-5	Initial	9:25	1/23	collected	from		pond								
	1st														
	2nd														
	3rd														
Sw-6	4th	10:33	1/23	collected	from		retention pond behind Dollar General								
	5th														
	Sampling														
	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height

One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: BP, RG, SS, GG

Sampling Date(s): 1/23/2020 - 1/24/2020

Sampling Case#: 1

Job Name: ~~[illegible]~~ HQ Heath Self Serve 2

Job Number: 19-7037

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
WSW-3	Initial	12:10	1/24		Sample collected from Sprinkler			224			leseshe Dr.				
	1st														
	2nd														
WSW-5	3rd	12:19	1/24		Spigot on back of house			215			leseshe Dr.				
	4th														
	5th														
	Sampling														
WSW-6	Initial	12:21	1/24		Spigot on front of house			209			leseshe Dr.				
	1st														
	2nd														
DUP	3rd														
	4th	12:10	1/24		WSW-3										
	5th														
	Sampling														
FB	Initial	12:25													
	1st														
	2nd														
TB	3rd	8:00													
	4th														
	5th														
	Sampling														
	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height

One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

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January 31, 2020

Mr. Bryan Shane
Midlands Environmental
PO Box 854
Lexington, SC 29071

RE: Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Dear Mr. Shane:
Enclosed are the analytical results for sample(s) received by the laboratory on January 24, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Mr. Jeff Coleman, Midlands Environmental
Mr. Kyle Pudney, Midlands Environmental

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CERTIFICATIONS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Pace Analytical Services Charlotte
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92462408001	MW-1R	Water	01/24/20 11:26	01/24/20 18:02
92462408002	MW-2	Water	01/24/20 10:09	01/24/20 18:02
92462408003	MW-3	Water	01/24/20 09:56	01/24/20 18:02
92462408004	MW-4R	Water	01/24/20 10:42	01/24/20 18:02
92462408005	MW-4D	Water	01/24/20 10:28	01/24/20 18:02
92462408006	MW-5D	Water	01/24/20 10:36	01/24/20 18:02
92462408007	MW-6	Water	01/24/20 09:56	01/24/20 18:02
92462408008	MW-7	Water	01/23/20 12:57	01/24/20 18:02
92462408009	MW-8	Water	01/23/20 12:05	01/24/20 18:02
92462408010	MW-11R	Water	01/24/20 09:15	01/24/20 18:02
92462408011	MW-12	Water	01/23/20 11:55	01/24/20 18:02
92462408012	MW-13	Water	01/23/20 11:53	01/24/20 18:02
92462408013	MW-13i	Water	01/23/20 13:20	01/24/20 18:02
92462408014	MW-13D	Water	01/23/20 12:53	01/24/20 18:02
92462408015	MW-14	Water	01/23/20 10:14	01/24/20 18:02
92462408016	MW-15	Water	01/23/20 10:26	01/24/20 18:02
92462408017	MW-16	Water	01/23/20 09:37	01/24/20 18:02
92462408018	MW-16i	Water	01/23/20 09:52	01/24/20 18:02
92462408019	MW-16D	Water	01/23/20 10:02	01/24/20 18:02
92462408020	MW-17R	Water	01/23/20 10:14	01/24/20 18:02
92462408021	MW-18	Water	01/23/20 10:26	01/24/20 18:02
92462408022	MW-19	Water	01/24/20 09:44	01/24/20 18:02
92462408023	MW-20	Water	01/23/20 09:10	01/24/20 18:02
92462408024	MW-22	Water	01/23/20 09:24	01/24/20 18:02
92462408025	MW-23	Water	01/23/20 09:24	01/24/20 18:02
92462408026	MW-25	Water	01/23/20 10:14	01/24/20 18:02
92462408027	MW-26	Water	01/23/20 09:08	01/24/20 18:02
92462408028	MW-27	Water	01/24/20 09:32	01/24/20 18:02
92462408029	MW-28	Water	01/23/20 09:05	01/24/20 18:02
92462408030	MW-29	Water	01/23/20 11:29	01/24/20 18:02
92462408031	MW-29i	Water	01/23/20 11:49	01/24/20 18:02
92462408032	MW-29D	Water	01/23/20 11:17	01/24/20 18:02
92462408033	MW-30	Water	01/23/20 10:45	01/24/20 18:02
92462408034	MW-31	Water	01/23/20 10:45	01/24/20 18:02
92462408035	MW-32	Water	01/23/20 10:45	01/24/20 18:02
92462408036	MW-33	Water	01/23/20 10:51	01/24/20 18:02
92462408037	MW-34	Water	01/23/20 11:41	01/24/20 18:02

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SAMPLE SUMMARY

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92462408038	MW-35	Water	01/23/20 11:41	01/24/20 18:02
92462408039	TFR 1	Water	01/24/20 11:08	01/24/20 18:02
92462408040	TFR 2	Water	01/24/20 11:14	01/24/20 18:02
92462408041	TFR 3	Water	01/23/20 13:52	01/24/20 18:02
92462408042	TFR 4	Water	01/23/20 12:43	01/24/20 18:02
92462408043	TFR 6	Water	01/23/20 12:13	01/24/20 18:02
92462408044	TFR 9	Water	01/23/20 11:29	01/24/20 18:02
92462408045	TFR 10	Water	01/23/20 12:21	01/24/20 18:02
92462408046	TFR 11	Water	01/23/20 11:17	01/24/20 18:02
92462408047	DUP 1	Water	01/23/20 11:17	01/24/20 18:02
92462408048	DUP 2	Water	01/23/20 12:21	01/24/20 18:02
92462408049	DUP 3	Water	01/23/20 11:41	01/24/20 18:02
92462408050	FB 1	Water	01/23/20 14:09	01/24/20 18:02
92462408051	FB 2	Water	01/24/20 12:00	01/24/20 18:02
92462408052	SW-1	Water	01/23/20 09:17	01/24/20 18:02
92462408053	SW-2	Water	01/23/20 09:19	01/24/20 18:02
92462408054	SW-3	Water	01/23/20 09:21	01/24/20 18:02
92462408055	SW-4	Water	01/23/20 09:23	01/24/20 18:02
92462408056	SW-5	Water	01/23/20 09:25	01/24/20 18:02
92462408057	SW-6	Water	01/23/20 10:33	01/24/20 18:02
92462408058	TB 1	Water	01/23/20 08:00	01/24/20 18:02
92462408059	TB 2	Water	01/23/20 08:00	01/24/20 18:02
92462408060	TB 3	Water	01/23/20 08:00	01/24/20 18:02

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SAMPLE ANALYTE COUNT

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92462408001	MW-1R	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408002	MW-2	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408003	MW-3	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408004	MW-4R	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408005	MW-4D	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408006	MW-5D	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408007	MW-6	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408008	MW-7	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408009	MW-8	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92462408010	MW-11R	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408011	MW-12	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408012	MW-13	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408013	MW-13i	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408014	MW-13D	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408015	MW-14	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408016	MW-15	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408017	MW-16	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408018	MW-16i	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408019	MW-16D	EPA 8011	BAJ	2	PASI-C

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SAMPLE ANALYTE COUNT

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92462408020	MW-17R	EPA 8260D	CL	20	PASI-C
		EPA 8011	BAJ	2	PASI-C
92462408021	MW-18	EPA 8260D	CL	20	PASI-C
		EPA 8011	BAJ	2	PASI-C
92462408022	MW-19	EPA 8260D	CL	20	PASI-C
		EPA 8011	BAJ	2	PASI-C
92462408023	MW-20	EPA 8260D	CL	20	PASI-C
		EPA 8011	BAJ	2	PASI-C
92462408024	MW-22	EPA 8260D	CL	20	PASI-C
		EPA 8011	BAJ	2	PASI-C
92462408025	MW-23	EPA 8260D	CL	20	PASI-C
		EPA 8011	BAJ	2	PASI-C
92462408026	MW-25	EPA 8260D	CL	20	PASI-C
		EPA 8011	BAJ	2	PASI-C
92462408027	MW-26	EPA 8260D	CL	20	PASI-C
		EPA 8011	BAJ	2	PASI-C
92462408028	MW-27	EPA 8260D	CL	20	PASI-C
		EPA 8011	BAJ	2	PASI-C
92462408029	MW-28	EPA 8260D	CL	20	PASI-C
		EPA 8011	BAJ	2	PASI-C
92462408030	MW-29	EPA 8260D	CL	20	PASI-C
		EPA 8011	BAJ	2	PASI-C
92462408031	MW-29i	EPA 8260D	CL	20	PASI-C
		EPA 8011	BAJ	2	PASI-C
92462408032	MW-29D	EPA 8260D	CL	20	PASI-C
		EPA 8011	BAJ	2	PASI-C
92462408033	MW-30	EPA 8260D	CL	20	PASI-C
		EPA 8011	BAJ	2	PASI-C
92462408034	MW-31	EPA 8260D	CL	20	PASI-C
		EPA 8011	BAJ	2	PASI-C
92462408035	MW-32	EPA 8260D	CL	20	PASI-C
		EPA 8011	BAJ	2	PASI-C
92462408036	MW-33	EPA 8260D	CL	20	PASI-C
		EPA 8011	BAJ	2	PASI-C
92462408037	MW-34	EPA 8260D	SAS	20	PASI-C

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SAMPLE ANALYTE COUNT

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92462408038	MW-35	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408039	TFR 1	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408040	TFR 2	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408041	TFR 3	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408042	TFR 4	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408043	TFR 6	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408044	TFR 9	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408045	TFR 10	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408046	TFR 11	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92462408047	DUP 1	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92462408048	DUP 2	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408049	DUP 3	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408050	FB 1	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408051	FB 2	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92462408052	SW-1	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92462408053	SW-2	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92462408054	SW-3	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92462408055	SW-4	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92462408056	SW-5	EPA 8011	BAJ	2	PASI-C

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SAMPLE ANALYTE COUNT

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260D	SAS	20	PASI-C
92462408057	SW-6	EPA 8011	BAJ	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92462408058	TB 1	EPA 8260D	CL	20	PASI-C
92462408059	TB 2	EPA 8260D	CL	20	PASI-C
92462408060	TB 3	EPA 8260D	CL	20	PASI-C

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-1R **Lab ID: 92462408001** Collected: 01/24/20 11:26 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**0.38**	ug/L	0.020	0.011	1	01/29/20 09:52	01/29/20 17:41	106-93-4	D6
Surrogates									
1-Chloro-2-bromopropane (S)	112	%	60-140		1	01/29/20 09:52	01/29/20 17:41	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	5000	3280	50		01/29/20 22:36	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	152	50		01/29/20 22:36	994-05-8	
Benzene	**266**	ug/L	250	87.0	50		01/29/20 22:36	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	2700	50		01/29/20 22:36	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	4550	50		01/29/20 22:36	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	1200	50		01/29/20 22:36	762-75-4	
1,2-Dichloroethane	ND	ug/L	250	103	50		01/29/20 22:36	107-06-2	
Diisopropyl ether	ND	ug/L	250	174	50		01/29/20 22:36	108-20-3	
Ethanol	ND	ug/L	10000	7200	50		01/29/20 22:36	64-17-5	
Ethylbenzene	**3780**	ug/L	250	92.0	50		01/29/20 22:36	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	423	50		01/29/20 22:36	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	250	155	50		01/29/20 22:36	1634-04-4	
Naphthalene	**518**	ug/L	250	104	50		01/29/20 22:36	91-20-3	
Toluene	**9320**	ug/L	250	100	50		01/29/20 22:36	108-88-3	
Xylene (Total)	**17600**	ug/L	250	250	50		01/29/20 22:36	1330-20-7	
m&p-Xylene	**12600**	ug/L	500	206	50		01/29/20 22:36	179601-23-1	
o-Xylene	**5000**	ug/L	250	102	50		01/29/20 22:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		50		01/29/20 22:36	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		50		01/29/20 22:36	17060-07-0	
Toluene-d8 (S)	101	%	70-130		50		01/29/20 22:36	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-2 **Lab ID: 92462408002** Collected: 01/24/20 10:09 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	01/29/20 09:52	01/29/20 18:18	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	113	%	60-140		1	01/29/20 09:52	01/29/20 18:18	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/29/20 20:10	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/29/20 20:10	994-05-8	
Benzene	**77.5**	ug/L	5.0	1.7	1		01/29/20 20:10	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/29/20 20:10	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/29/20 20:10	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/29/20 20:10	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/29/20 20:10	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/29/20 20:10	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/29/20 20:10	64-17-5	
Ethylbenzene	**75.8**	ug/L	5.0	1.8	1		01/29/20 20:10	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/29/20 20:10	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/29/20 20:10	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/29/20 20:10	91-20-3	
Toluene	**10.1**	ug/L	5.0	2.0	1		01/29/20 20:10	108-88-3	
Xylene (Total)	**17.9**	ug/L	5.0	5.0	1		01/29/20 20:10	1330-20-7	
m&p-Xylene	**12.1**	ug/L	10.0	4.1	1		01/29/20 20:10	179601-23-1	
o-Xylene	**5.8**	ug/L	5.0	2.0	1		01/29/20 20:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		01/29/20 20:10	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		01/29/20 20:10	17060-07-0	
Toluene-d8 (S)	94	%	70-130		1		01/29/20 20:10	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-3 **Lab ID: 92462408003** Collected: 01/24/20 09:56 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.012	1	01/29/20 09:52	01/29/20 19:13	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	98	%	60-140		1	01/29/20 09:52	01/29/20 19:13	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/29/20 20:27	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/29/20 20:27	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/29/20 20:27	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/29/20 20:27	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/29/20 20:27	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/29/20 20:27	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/29/20 20:27	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/29/20 20:27	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/29/20 20:27	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		01/29/20 20:27	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/29/20 20:27	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/29/20 20:27	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/29/20 20:27	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/29/20 20:27	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/29/20 20:27	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		01/29/20 20:27	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		01/29/20 20:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		01/29/20 20:27	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		01/29/20 20:27	17060-07-0	
Toluene-d8 (S)	95	%	70-130		1		01/29/20 20:27	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-4R Lab ID: 92462408004 Collected: 01/24/20 10:42 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**0.91**	ug/L	0.020	0.011	1	01/29/20 09:52	01/29/20 19:32	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	111	%	60-140		1	01/29/20 09:52	01/29/20 19:32	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	2500	1640	25		01/31/20 10:50	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	76.0	25		01/31/20 10:50	994-05-8	
Benzene	**140**	ug/L	125	43.5	25		01/31/20 10:50	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	1350	25		01/31/20 10:50	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	2280	25		01/31/20 10:50	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	602	25		01/31/20 10:50	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	51.5	25		01/31/20 10:50	107-06-2	
Diisopropyl ether	ND	ug/L	125	87.2	25		01/31/20 10:50	108-20-3	
Ethanol	ND	ug/L	5000	3600	25		01/31/20 10:50	64-17-5	
Ethylbenzene	**871**	ug/L	125	46.0	25		01/31/20 10:50	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	212	25		01/31/20 10:50	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	125	77.5	25		01/31/20 10:50	1634-04-4	
Naphthalene	**124J**	ug/L	125	52.2	25		01/31/20 10:50	91-20-3	
Toluene	**3830**	ug/L	125	50.2	25		01/31/20 10:50	108-88-3	
Xylene (Total)	**4250**	ug/L	125	125	25		01/31/20 10:50	1330-20-7	
m&p-Xylene	**3010**	ug/L	250	103	25		01/31/20 10:50	179601-23-1	
o-Xylene	**1250**	ug/L	125	51.0	25		01/31/20 10:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		25		01/31/20 10:50	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		25		01/31/20 10:50	17060-07-0	
Toluene-d8 (S)	101	%	70-130		25		01/31/20 10:50	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-4D **Lab ID: 92462408005** Collected: 01/24/20 10:28 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**0.15**	ug/L	0.019	0.011	1	01/29/20 09:52	01/29/20 19:50	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	104	%	60-140		1	01/29/20 09:52	01/29/20 19:50	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	500	328	5		01/31/20 08:42	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	15.2	5		01/31/20 08:42	994-05-8	
Benzene	**14.1J**	ug/L	25.0	8.7	5		01/31/20 08:42	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	270	5		01/31/20 08:42	624-95-3	
tert-Butyl Alcohol	ND	ug/L	500	455	5		01/31/20 08:42	75-65-0	
tert-Butyl Formate	ND	ug/L	250	120	5		01/31/20 08:42	762-75-4	
1,2-Dichloroethane	ND	ug/L	25.0	10.3	5		01/31/20 08:42	107-06-2	
Diisopropyl ether	ND	ug/L	25.0	17.4	5		01/31/20 08:42	108-20-3	
Ethanol	ND	ug/L	1000	720	5		01/31/20 08:42	64-17-5	
Ethylbenzene	**65.1**	ug/L	25.0	9.2	5		01/31/20 08:42	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	42.3	5		01/31/20 08:42	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	25.0	15.5	5		01/31/20 08:42	1634-04-4	
Naphthalene	**32.7**	ug/L	25.0	10.4	5		01/31/20 08:42	91-20-3	
Toluene	**194**	ug/L	25.0	10.0	5		01/31/20 08:42	108-88-3	
Xylene (Total)	**1550**	ug/L	25.0	25.0	5		01/31/20 08:42	1330-20-7	
m&p-Xylene	**1080**	ug/L	50.0	20.6	5		01/31/20 08:42	179601-23-1	
o-Xylene	**470**	ug/L	25.0	10.2	5		01/31/20 08:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		5		01/31/20 08:42	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		5		01/31/20 08:42	17060-07-0	
Toluene-d8 (S)	102	%	70-130		5		01/31/20 08:42	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-5D Lab ID: 92462408006 Collected: 01/24/20 10:36 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.012	1	01/29/20 09:52	01/29/20 20:08	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	102	%	60-140		1	01/29/20 09:52	01/29/20 20:08	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/29/20 21:01	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/29/20 21:01	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/29/20 21:01	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/29/20 21:01	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/29/20 21:01	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/29/20 21:01	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/29/20 21:01	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/29/20 21:01	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/29/20 21:01	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		01/29/20 21:01	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/29/20 21:01	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/29/20 21:01	1634-04-4	
Naphthalene	2.7J	ug/L	5.0	2.1	1		01/29/20 21:01	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/29/20 21:01	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/29/20 21:01	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		01/29/20 21:01	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		01/29/20 21:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		01/29/20 21:01	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		01/29/20 21:01	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		01/29/20 21:01	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-6 **Lab ID: 92462408007** Collected: 01/24/20 09:56 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	01/29/20 09:52	01/29/20 20:26	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	106	%	60-140		1	01/29/20 09:52	01/29/20 20:26	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/29/20 21:19	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/29/20 21:19	994-05-8	
Benzene	**15.2**	ug/L	5.0	1.7	1		01/29/20 21:19	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/29/20 21:19	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/29/20 21:19	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/29/20 21:19	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/29/20 21:19	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/29/20 21:19	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/29/20 21:19	64-17-5	
Ethylbenzene	**2.4J**	ug/L	5.0	1.8	1		01/29/20 21:19	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/29/20 21:19	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/29/20 21:19	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/29/20 21:19	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/29/20 21:19	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/29/20 21:19	1330-20-7	
m&p-Xylene	**5.2J**	ug/L	10.0	4.1	1		01/29/20 21:19	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		01/29/20 21:19	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/29/20 21:19	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		01/29/20 21:19	17060-07-0	
Toluene-d8 (S)	94	%	70-130		1		01/29/20 21:19	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-7 **Lab ID: 92462408008** Collected: 01/23/20 12:57 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**127**	ug/L	3.9	2.2	200	01/29/20 09:52	01/30/20 19:30	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		200	01/29/20 09:52	01/30/20 19:30	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	25000	16400	250		01/30/20 16:49	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2500	760	250		01/30/20 16:49	994-05-8	
Benzene	**8750**	ug/L	1250	435	250		01/30/20 16:49	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	25000	13500	250		01/30/20 16:49	624-95-3	
tert-Butyl Alcohol	ND	ug/L	25000	22800	250		01/30/20 16:49	75-65-0	
tert-Butyl Formate	ND	ug/L	12500	6020	250		01/30/20 16:49	762-75-4	
1,2-Dichloroethane	ND	ug/L	1250	515	250		01/30/20 16:49	107-06-2	
Diisopropyl ether	ND	ug/L	1250	872	250		01/30/20 16:49	108-20-3	
Ethanol	ND	ug/L	50000	36000	250		01/30/20 16:49	64-17-5	
Ethylbenzene	**2460**	ug/L	1250	460	250		01/30/20 16:49	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2500	2120	250		01/30/20 16:49	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1250	775	250		01/30/20 16:49	1634-04-4	
Naphthalene	**656J**	ug/L	1250	522	250		01/30/20 16:49	91-20-3	
Toluene	**34200**	ug/L	1250	502	250		01/30/20 16:49	108-88-3	
Xylene (Total)	**20600**	ug/L	1250	1250	250		01/30/20 16:49	1330-20-7	
m&p-Xylene	**13300**	ug/L	2500	1030	250		01/30/20 16:49	179601-23-1	
o-Xylene	**7320**	ug/L	1250	510	250		01/30/20 16:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		250		01/30/20 16:49	460-00-4	
1,2-Dichloroethane-d4 (S)	85	%	70-130		250		01/30/20 16:49	17060-07-0	
Toluene-d8 (S)	101	%	70-130		250		01/30/20 16:49	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-8 **Lab ID: 92462408009** Collected: 01/23/20 12:05 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**4.5**	ug/L	0.098	0.056	5	01/29/20 09:52	01/30/20 19:42	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	122	%	60-140		5	01/29/20 09:52	01/30/20 19:42	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	5000	3280	50		01/30/20 15:02	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	152	50		01/30/20 15:02	994-05-8	
Benzene	**397**	ug/L	250	87.0	50		01/30/20 15:02	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	2700	50		01/30/20 15:02	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	4550	50		01/30/20 15:02	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	1200	50		01/30/20 15:02	762-75-4	
1,2-Dichloroethane	ND	ug/L	250	103	50		01/30/20 15:02	107-06-2	
Diisopropyl ether	ND	ug/L	250	174	50		01/30/20 15:02	108-20-3	
Ethanol	ND	ug/L	10000	7200	50		01/30/20 15:02	64-17-5	
Ethylbenzene	**1010**	ug/L	250	92.0	50		01/30/20 15:02	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	423	50		01/30/20 15:02	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	250	155	50		01/30/20 15:02	1634-04-4	
Naphthalene	**318**	ug/L	250	104	50		01/30/20 15:02	91-20-3	
Toluene	**6190**	ug/L	250	100	50		01/30/20 15:02	108-88-3	
Xylene (Total)	**7130**	ug/L	250	250	50		01/30/20 15:02	1330-20-7	
m&p-Xylene	**4680**	ug/L	500	206	50		01/30/20 15:02	179601-23-1	
o-Xylene	**2450**	ug/L	250	102	50		01/30/20 15:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		50		01/30/20 15:02	460-00-4	
1,2-Dichloroethane-d4 (S)	86	%	70-130		50		01/30/20 15:02	17060-07-0	
Toluene-d8 (S)	100	%	70-130		50		01/30/20 15:02	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-11R **Lab ID: 92462408010** Collected: 01/24/20 09:15 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	01/29/20 09:52	01/29/20 21:21	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	105	%	60-140		1	01/29/20 09:52	01/29/20 21:21	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/31/20 05:39	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/31/20 05:39	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/31/20 05:39	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/31/20 05:39	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/31/20 05:39	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/31/20 05:39	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/31/20 05:39	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/31/20 05:39	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/31/20 05:39	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		01/31/20 05:39	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/31/20 05:39	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/31/20 05:39	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/31/20 05:39	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/31/20 05:39	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/31/20 05:39	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		01/31/20 05:39	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		01/31/20 05:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		01/31/20 05:39	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		01/31/20 05:39	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		01/31/20 05:39	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-12 Lab ID: **92462408011** Collected: 01/23/20 11:55 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	01/29/20 09:52	01/29/20 21:39	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	106	%	60-140		1	01/29/20 09:52	01/29/20 21:39	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	2500	1640	25		01/31/20 11:08	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	76.0	25		01/31/20 11:08	994-05-8	
Benzene	**154**	ug/L	125	43.5	25		01/31/20 11:08	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	1350	25		01/31/20 11:08	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	2280	25		01/31/20 11:08	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	602	25		01/31/20 11:08	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	51.5	25		01/31/20 11:08	107-06-2	
Diisopropyl ether	ND	ug/L	125	87.2	25		01/31/20 11:08	108-20-3	
Ethanol	ND	ug/L	5000	3600	25		01/31/20 11:08	64-17-5	
Ethylbenzene	**427**	ug/L	125	46.0	25		01/31/20 11:08	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	212	25		01/31/20 11:08	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	125	77.5	25		01/31/20 11:08	1634-04-4	
Naphthalene	**276**	ug/L	125	52.2	25		01/31/20 11:08	91-20-3	
Toluene	**1860**	ug/L	125	50.2	25		01/31/20 11:08	108-88-3	
Xylene (Total)	**6540**	ug/L	125	125	25		01/31/20 11:08	1330-20-7	
m&p-Xylene	**4200**	ug/L	250	103	25		01/31/20 11:08	179601-23-1	
o-Xylene	**2340**	ug/L	125	51.0	25		01/31/20 11:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		25		01/31/20 11:08	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		25		01/31/20 11:08	17060-07-0	
Toluene-d8 (S)	100	%	70-130		25		01/31/20 11:08	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-13 **Lab ID: 92462408012** Collected: 01/23/20 11:53 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.012	1	01/29/20 09:52	01/29/20 21:57	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	94	%	60-140		1	01/29/20 09:52	01/29/20 21:57	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/31/20 05:57	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/31/20 05:57	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/31/20 05:57	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/31/20 05:57	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/31/20 05:57	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/31/20 05:57	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/31/20 05:57	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/31/20 05:57	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/31/20 05:57	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		01/31/20 05:57	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/31/20 05:57	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/31/20 05:57	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/31/20 05:57	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/31/20 05:57	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/31/20 05:57	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		01/31/20 05:57	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		01/31/20 05:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		01/31/20 05:57	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		01/31/20 05:57	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		01/31/20 05:57	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-13i **Lab ID: 92462408013** Collected: 01/23/20 13:20 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**0.029**	ug/L	0.020	0.011	1	01/29/20 09:52	01/29/20 22:15	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	100	%	60-140		1	01/29/20 09:52	01/29/20 22:15	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/29/20 17:07	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/29/20 17:07	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/29/20 17:07	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/29/20 17:07	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/29/20 17:07	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/29/20 17:07	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/29/20 17:07	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/29/20 17:07	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/29/20 17:07	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		01/29/20 17:07	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/29/20 17:07	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/29/20 17:07	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/29/20 17:07	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/29/20 17:07	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/29/20 17:07	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		01/29/20 17:07	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		01/29/20 17:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		01/29/20 17:07	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		01/29/20 17:07	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		01/29/20 17:07	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-13D **Lab ID: 92462408014** Collected: 01/23/20 12:53 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.012	1	01/29/20 09:52	01/29/20 22:33	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	104	%	60-140		1	01/29/20 09:52	01/29/20 22:33	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/29/20 17:25	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/29/20 17:25	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/29/20 17:25	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/29/20 17:25	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/29/20 17:25	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/29/20 17:25	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/29/20 17:25	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/29/20 17:25	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/29/20 17:25	64-17-5	
Ethylbenzene	**4.6J**	ug/L	5.0	1.8	1		01/29/20 17:25	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/29/20 17:25	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/29/20 17:25	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/29/20 17:25	91-20-3	
Toluene	**25.5**	ug/L	5.0	2.0	1		01/29/20 17:25	108-88-3	
Xylene (Total)	**24.3**	ug/L	5.0	5.0	1		01/29/20 17:25	1330-20-7	
m&p-Xylene	**16.6**	ug/L	10.0	4.1	1		01/29/20 17:25	179601-23-1	
o-Xylene	**7.7**	ug/L	5.0	2.0	1		01/29/20 17:25	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		01/29/20 17:25	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		01/29/20 17:25	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/29/20 17:25	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-14 **Lab ID: 92462408015** Collected: 01/23/20 10:14 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.011	1	01/29/20 09:52	01/29/20 22:51	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	102	%	60-140		1	01/29/20 09:52	01/29/20 22:51	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/30/20 22:02	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/30/20 22:02	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/30/20 22:02	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/30/20 22:02	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/30/20 22:02	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/30/20 22:02	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/30/20 22:02	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/30/20 22:02	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/30/20 22:02	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		01/30/20 22:02	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/30/20 22:02	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/30/20 22:02	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/30/20 22:02	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/30/20 22:02	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/30/20 22:02	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		01/30/20 22:02	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		01/30/20 22:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		01/30/20 22:02	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		01/30/20 22:02	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/30/20 22:02	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-15 **Lab ID: 92462408016** Collected: 01/23/20 10:26 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.012	1	01/29/20 09:52	01/29/20 23:10	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	94	%	60-140		1	01/29/20 09:52	01/29/20 23:10	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/30/20 18:23	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/30/20 18:23	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/30/20 18:23	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/30/20 18:23	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/30/20 18:23	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/30/20 18:23	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/30/20 18:23	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/30/20 18:23	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/30/20 18:23	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		01/30/20 18:23	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/30/20 18:23	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/30/20 18:23	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/30/20 18:23	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/30/20 18:23	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/30/20 18:23	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		01/30/20 18:23	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		01/30/20 18:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/30/20 18:23	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		01/30/20 18:23	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/30/20 18:23	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-16 Lab ID: **92462408017** Collected: 01/23/20 09:37 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	01/30/20 08:39	01/30/20 20:41	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	96	%	60-140		1	01/30/20 08:39	01/30/20 20:41	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/30/20 18:41	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/30/20 18:41	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/30/20 18:41	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/30/20 18:41	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/30/20 18:41	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/30/20 18:41	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/30/20 18:41	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/30/20 18:41	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/30/20 18:41	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		01/30/20 18:41	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/30/20 18:41	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/30/20 18:41	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/30/20 18:41	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/30/20 18:41	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/30/20 18:41	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		01/30/20 18:41	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		01/30/20 18:41	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/30/20 18:41	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		01/30/20 18:41	17060-07-0	
Toluene-d8 (S)	111	%	70-130		1		01/30/20 18:41	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-16i **Lab ID: 92462408018** Collected: 01/23/20 09:52 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**0.11**	ug/L	0.020	0.012	1	01/30/20 08:39	01/30/20 21:05	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	94	%	60-140		1	01/30/20 08:39	01/30/20 21:05	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	**440**	ug/L	100	65.6	1		01/31/20 08:05	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/31/20 08:05	994-05-8	
Benzene	**9.8**	ug/L	5.0	1.7	1		01/31/20 08:05	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/31/20 08:05	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/31/20 08:05	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/31/20 08:05	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/31/20 08:05	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/31/20 08:05	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/31/20 08:05	64-17-5	
Ethylbenzene	**8.7**	ug/L	5.0	1.8	1		01/31/20 08:05	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/31/20 08:05	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/31/20 08:05	1634-04-4	
Naphthalene	**3.1J**	ug/L	5.0	2.1	1		01/31/20 08:05	91-20-3	
Toluene	**18.7**	ug/L	5.0	2.0	1		01/31/20 08:05	108-88-3	
Xylene (Total)	**117**	ug/L	5.0	5.0	1		01/31/20 08:05	1330-20-7	
m&p-Xylene	**54.8**	ug/L	10.0	4.1	1		01/31/20 08:05	179601-23-1	
o-Xylene	**61.8**	ug/L	5.0	2.0	1		01/31/20 08:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		01/31/20 08:05	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		01/31/20 08:05	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		01/31/20 08:05	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-16D **Lab ID: 92462408019** Collected: 01/23/20 10:02 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**0.057**	ug/L	0.020	0.012	1	01/30/20 08:39	01/30/20 21:41	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	88	%	60-140		1	01/30/20 08:39	01/30/20 21:41	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	**93.3J**	ug/L	100	65.6	1		01/31/20 06:15	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/31/20 06:15	994-05-8	
Benzene	**2.2J**	ug/L	5.0	1.7	1		01/31/20 06:15	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/31/20 06:15	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/31/20 06:15	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/31/20 06:15	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/31/20 06:15	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/31/20 06:15	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/31/20 06:15	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		01/31/20 06:15	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/31/20 06:15	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/31/20 06:15	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/31/20 06:15	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/31/20 06:15	108-88-3	
Xylene (Total)	**28.2**	ug/L	5.0	5.0	1		01/31/20 06:15	1330-20-7	
m&p-Xylene	**13.0**	ug/L	10.0	4.1	1		01/31/20 06:15	179601-23-1	
o-Xylene	**15.3**	ug/L	5.0	2.0	1		01/31/20 06:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		01/31/20 06:15	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		01/31/20 06:15	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/31/20 06:15	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-17R **Lab ID: 92462408020** Collected: 01/23/20 10:14 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	01/30/20 08:39	01/30/20 21:53	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	91	%	60-140		1	01/30/20 08:39	01/30/20 21:53	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	**1940**	ug/L	500	328	5		01/30/20 23:33	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	15.2	5		01/30/20 23:33	994-05-8	
Benzene	**731**	ug/L	25.0	8.7	5		01/30/20 23:33	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	270	5		01/30/20 23:33	624-95-3	
tert-Butyl Alcohol	ND	ug/L	500	455	5		01/30/20 23:33	75-65-0	
tert-Butyl Formate	ND	ug/L	250	120	5		01/30/20 23:33	762-75-4	
1,2-Dichloroethane	**19.4J**	ug/L	25.0	10.3	5		01/30/20 23:33	107-06-2	
Diisopropyl ether	ND	ug/L	25.0	17.4	5		01/30/20 23:33	108-20-3	
Ethanol	ND	ug/L	1000	720	5		01/30/20 23:33	64-17-5	
Ethylbenzene	**79.1**	ug/L	25.0	9.2	5		01/30/20 23:33	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	42.3	5		01/30/20 23:33	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	25.0	15.5	5		01/30/20 23:33	1634-04-4	
Naphthalene	**24.2J**	ug/L	25.0	10.4	5		01/30/20 23:33	91-20-3	
Toluene	**21.8J**	ug/L	25.0	10.0	5		01/30/20 23:33	108-88-3	
Xylene (Total)	**293**	ug/L	25.0	25.0	5		01/30/20 23:33	1330-20-7	
m&p-Xylene	**293**	ug/L	50.0	20.6	5		01/30/20 23:33	179601-23-1	
o-Xylene	ND	ug/L	25.0	10.2	5		01/30/20 23:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		5		01/30/20 23:33	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		5		01/30/20 23:33	17060-07-0	
Toluene-d8 (S)	100	%	70-130		5		01/30/20 23:33	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-18 Lab ID: 92462408021 Collected: 01/23/20 10:26 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	01/30/20 08:39	01/30/20 22:05	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	88	%	60-140		1	01/30/20 08:39	01/30/20 22:05	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/30/20 19:00	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/30/20 19:00	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/30/20 19:00	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/30/20 19:00	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/30/20 19:00	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/30/20 19:00	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/30/20 19:00	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/30/20 19:00	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/30/20 19:00	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		01/30/20 19:00	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/30/20 19:00	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/30/20 19:00	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/30/20 19:00	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/30/20 19:00	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/30/20 19:00	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		01/30/20 19:00	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		01/30/20 19:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		01/30/20 19:00	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		01/30/20 19:00	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/30/20 19:00	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-19 **Lab ID: 92462408022** Collected: 01/24/20 09:44 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	01/30/20 08:39	01/30/20 22:17	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	94	%	60-140		1	01/30/20 08:39	01/30/20 22:17	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	**3260**	ug/L	100	65.6	1		01/30/20 19:18	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/30/20 19:18	994-05-8	
Benzene	**17.9**	ug/L	5.0	1.7	1		01/30/20 19:18	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/30/20 19:18	624-95-3	
tert-Butyl Alcohol	**118**	ug/L	100	91.0	1		01/30/20 19:18	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/30/20 19:18	762-75-4	
1,2-Dichloroethane	**32.2**	ug/L	5.0	2.1	1		01/30/20 19:18	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/30/20 19:18	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/30/20 19:18	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		01/30/20 19:18	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/30/20 19:18	637-92-3	
Methyl-tert-butyl ether	**119**	ug/L	5.0	3.1	1		01/30/20 19:18	1634-04-4	
Naphthalene	**44.3**	ug/L	5.0	2.1	1		01/30/20 19:18	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/30/20 19:18	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/30/20 19:18	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		01/30/20 19:18	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		01/30/20 19:18	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/30/20 19:18	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		01/30/20 19:18	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		01/30/20 19:18	2037-26-5	

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-20 Lab ID: 92462408023 Collected: 01/23/20 09:10 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	01/30/20 08:39	01/30/20 22:28	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	94	%	60-140		1	01/30/20 08:39	01/30/20 22:28	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	**3000**	ug/L	100	65.6	1		01/30/20 19:36	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/30/20 19:36	994-05-8	
Benzene	**19.4**	ug/L	5.0	1.7	1		01/30/20 19:36	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/30/20 19:36	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/30/20 19:36	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/30/20 19:36	762-75-4	
1,2-Dichloroethane	**4.8J**	ug/L	5.0	2.1	1		01/30/20 19:36	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/30/20 19:36	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/30/20 19:36	64-17-5	
Ethylbenzene	**45.6**	ug/L	5.0	1.8	1		01/30/20 19:36	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/30/20 19:36	637-92-3	
Methyl-tert-butyl ether	**7.3**	ug/L	5.0	3.1	1		01/30/20 19:36	1634-04-4	
Naphthalene	**6.6**	ug/L	5.0	2.1	1		01/30/20 19:36	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/30/20 19:36	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/30/20 19:36	1330-20-7	
m&p-Xylene	**4.8J**	ug/L	10.0	4.1	1		01/30/20 19:36	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		01/30/20 19:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/30/20 19:36	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		01/30/20 19:36	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		01/30/20 19:36	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-22 Lab ID: 92462408024 Collected: 01/23/20 09:24 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	01/30/20 08:39	01/30/20 22:40	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	93	%	60-140		1	01/30/20 08:39	01/30/20 22:40	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/30/20 19:54	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/30/20 19:54	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/30/20 19:54	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/30/20 19:54	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/30/20 19:54	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/30/20 19:54	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/30/20 19:54	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/30/20 19:54	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/30/20 19:54	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		01/30/20 19:54	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/30/20 19:54	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/30/20 19:54	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/30/20 19:54	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/30/20 19:54	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/30/20 19:54	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		01/30/20 19:54	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		01/30/20 19:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/30/20 19:54	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		01/30/20 19:54	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/30/20 19:54	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-23 Lab ID: 92462408025 Collected: 01/23/20 09:24 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.012	1	01/30/20 08:39	01/30/20 22:52	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	89	%	60-140		1	01/30/20 08:39	01/30/20 22:52	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/30/20 20:12	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/30/20 20:12	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/30/20 20:12	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/30/20 20:12	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/30/20 20:12	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/30/20 20:12	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/30/20 20:12	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/30/20 20:12	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/30/20 20:12	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		01/30/20 20:12	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/30/20 20:12	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/30/20 20:12	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/30/20 20:12	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/30/20 20:12	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/30/20 20:12	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		01/30/20 20:12	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		01/30/20 20:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/30/20 20:12	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		01/30/20 20:12	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		01/30/20 20:12	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-25 **Lab ID: 92462408026** Collected: 01/23/20 10:14 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.012	1	01/30/20 08:39	01/30/20 23:04	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	87	%	60-140		1	01/30/20 08:39	01/30/20 23:04	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/30/20 20:31	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/30/20 20:31	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/30/20 20:31	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/30/20 20:31	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/30/20 20:31	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/30/20 20:31	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/30/20 20:31	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/30/20 20:31	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/30/20 20:31	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		01/30/20 20:31	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/30/20 20:31	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/30/20 20:31	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/30/20 20:31	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/30/20 20:31	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/30/20 20:31	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		01/30/20 20:31	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		01/30/20 20:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/30/20 20:31	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		01/30/20 20:31	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/30/20 20:31	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-26 **Lab ID: 92462408027** Collected: 01/23/20 09:08 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.012	1	01/30/20 08:39	01/30/20 23:16	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	86	%	60-140		1	01/30/20 08:39	01/30/20 23:16	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/30/20 20:49	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/30/20 20:49	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/30/20 20:49	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/30/20 20:49	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/30/20 20:49	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/30/20 20:49	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/30/20 20:49	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/30/20 20:49	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/30/20 20:49	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		01/30/20 20:49	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/30/20 20:49	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/30/20 20:49	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/30/20 20:49	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/30/20 20:49	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/30/20 20:49	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		01/30/20 20:49	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		01/30/20 20:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		01/30/20 20:49	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		01/30/20 20:49	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		01/30/20 20:49	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-27 Lab ID: **92462408028** Collected: 01/24/20 09:32 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	01/30/20 08:39	01/30/20 23:28	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	88	%	60-140		1	01/30/20 08:39	01/30/20 23:28	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/30/20 21:07	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/30/20 21:07	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/30/20 21:07	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/30/20 21:07	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/30/20 21:07	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/30/20 21:07	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/30/20 21:07	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/30/20 21:07	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/30/20 21:07	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		01/30/20 21:07	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/30/20 21:07	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/30/20 21:07	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/30/20 21:07	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/30/20 21:07	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/30/20 21:07	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		01/30/20 21:07	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		01/30/20 21:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		01/30/20 21:07	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		01/30/20 21:07	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		01/30/20 21:07	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-28 **Lab ID: 92462408029** Collected: 01/23/20 09:05 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.012	1	01/30/20 08:39	01/30/20 23:40	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	85	%	60-140		1	01/30/20 08:39	01/30/20 23:40	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/30/20 21:26	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/30/20 21:26	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/30/20 21:26	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/30/20 21:26	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/30/20 21:26	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/30/20 21:26	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/30/20 21:26	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/30/20 21:26	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/30/20 21:26	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		01/30/20 21:26	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/30/20 21:26	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/30/20 21:26	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/30/20 21:26	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/30/20 21:26	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/30/20 21:26	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		01/30/20 21:26	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		01/30/20 21:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/30/20 21:26	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		01/30/20 21:26	17060-07-0	
Toluene-d8 (S)	118	%	70-130		1		01/30/20 21:26	2037-26-5	

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(704)875-9092

ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-29 **Lab ID: 92462408030** Collected: 01/23/20 11:29 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**249**	ug/L	10.1	5.8	500	01/30/20 08:39	01/31/20 10:38	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		500	01/30/20 08:39	01/31/20 10:38	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	25000	16400	250		01/30/20 17:07	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2500	760	250		01/30/20 17:07	994-05-8	
Benzene	**13700**	ug/L	1250	435	250		01/30/20 17:07	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	25000	13500	250		01/30/20 17:07	624-95-3	
tert-Butyl Alcohol	ND	ug/L	25000	22800	250		01/30/20 17:07	75-65-0	
tert-Butyl Formate	ND	ug/L	12500	6020	250		01/30/20 17:07	762-75-4	
1,2-Dichloroethane	ND	ug/L	1250	515	250		01/30/20 17:07	107-06-2	
Diisopropyl ether	ND	ug/L	1250	872	250		01/30/20 17:07	108-20-3	
Ethanol	ND	ug/L	50000	36000	250		01/30/20 17:07	64-17-5	
Ethylbenzene	**3120**	ug/L	1250	460	250		01/30/20 17:07	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2500	2120	250		01/30/20 17:07	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1250	775	250		01/30/20 17:07	1634-04-4	
Naphthalene	ND	ug/L	1250	522	250		01/30/20 17:07	91-20-3	
Toluene	**41100**	ug/L	1250	502	250		01/30/20 17:07	108-88-3	
Xylene (Total)	**16100**	ug/L	1250	1250	250		01/30/20 17:07	1330-20-7	
m&p-Xylene	**11100**	ug/L	2500	1030	250		01/30/20 17:07	179601-23-1	
o-Xylene	**5010**	ug/L	1250	510	250		01/30/20 17:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		250		01/30/20 17:07	460-00-4	
1,2-Dichloroethane-d4 (S)	86	%	70-130		250		01/30/20 17:07	17060-07-0	
Toluene-d8 (S)	98	%	70-130		250		01/30/20 17:07	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: **MW-29i** **Lab ID: 92462408031** Collected: 01/23/20 11:49 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**6.9**	ug/L	0.20	0.12	10	01/30/20 08:39	01/31/20 10:49	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		10	01/30/20 08:39	01/31/20 10:49	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	1000	656	10		01/31/20 09:37	75-85-4	
tert-Amylmethyl ether	ND	ug/L	100	30.4	10		01/31/20 09:37	994-05-8	
Benzene	**747**	ug/L	50.0	17.4	10		01/31/20 09:37	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1000	539	10		01/31/20 09:37	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1000	910	10		01/31/20 09:37	75-65-0	
tert-Butyl Formate	ND	ug/L	500	241	10		01/31/20 09:37	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	20.6	10		01/31/20 09:37	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	34.9	10		01/31/20 09:37	108-20-3	
Ethanol	ND	ug/L	2000	1440	10		01/31/20 09:37	64-17-5	
Ethylbenzene	**141**	ug/L	50.0	18.4	10		01/31/20 09:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	100	84.6	10		01/31/20 09:37	637-92-3	
Methyl-tert-butyl ether	**69.6**	ug/L	50.0	31.0	10		01/31/20 09:37	1634-04-4	
Naphthalene	**35.5J**	ug/L	50.0	20.9	10		01/31/20 09:37	91-20-3	
Toluene	**1730**	ug/L	50.0	20.1	10		01/31/20 09:37	108-88-3	
Xylene (Total)	**1370**	ug/L	50.0	50.0	10		01/31/20 09:37	1330-20-7	
m&p-Xylene	**918**	ug/L	100	41.1	10		01/31/20 09:37	179601-23-1	
o-Xylene	**456**	ug/L	50.0	20.4	10		01/31/20 09:37	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		10		01/31/20 09:37	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		10		01/31/20 09:37	17060-07-0	
Toluene-d8 (S)	101	%	70-130		10		01/31/20 09:37	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-29D **Lab ID: 92462408032** Collected: 01/23/20 11:17 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**11.4**	ug/L	0.40	0.23	20	01/30/20 08:39	01/31/20 11:01	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		20	01/30/20 08:39	01/31/20 11:01	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	1000	656	10		01/31/20 09:55	75-85-4	
tert-Amylmethyl ether	ND	ug/L	100	30.4	10		01/31/20 09:55	994-05-8	
Benzene	**617**	ug/L	50.0	17.4	10		01/31/20 09:55	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1000	539	10		01/31/20 09:55	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1000	910	10		01/31/20 09:55	75-65-0	
tert-Butyl Formate	ND	ug/L	500	241	10		01/31/20 09:55	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	20.6	10		01/31/20 09:55	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	34.9	10		01/31/20 09:55	108-20-3	
Ethanol	ND	ug/L	2000	1440	10		01/31/20 09:55	64-17-5	
Ethylbenzene	**131**	ug/L	50.0	18.4	10		01/31/20 09:55	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	100	84.6	10		01/31/20 09:55	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	50.0	31.0	10		01/31/20 09:55	1634-04-4	
Naphthalene	**30.3J**	ug/L	50.0	20.9	10		01/31/20 09:55	91-20-3	
Toluene	**1540**	ug/L	50.0	20.1	10		01/31/20 09:55	108-88-3	
Xylene (Total)	**1310**	ug/L	50.0	50.0	10		01/31/20 09:55	1330-20-7	
m&p-Xylene	**901**	ug/L	100	41.1	10		01/31/20 09:55	179601-23-1	
o-Xylene	**407**	ug/L	50.0	20.4	10		01/31/20 09:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		10		01/31/20 09:55	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		10		01/31/20 09:55	17060-07-0	
Toluene-d8 (S)	101	%	70-130		10		01/31/20 09:55	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-30 **Lab ID: 92462408033** Collected: 01/23/20 10:45 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**2.5**	ug/L	0.10	0.058	5	01/30/20 08:39	01/31/20 11:13	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	130	%	60-140		5	01/30/20 08:39	01/31/20 11:13	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	**13000**	ug/L	10000	6560	100		01/31/20 12:40	75-85-4	
tert-Amylmethyl ether	**ND**	ug/L	1000	304	100		01/31/20 12:40	994-05-8	
Benzene	**4450**	ug/L	500	174	100		01/31/20 12:40	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	5390	100		01/31/20 12:40	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	9100	100		01/31/20 12:40	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	2410	100		01/31/20 12:40	762-75-4	
1,2-Dichloroethane	ND	ug/L	500	206	100		01/31/20 12:40	107-06-2	
Diisopropyl ether	ND	ug/L	500	349	100		01/31/20 12:40	108-20-3	
Ethanol	ND	ug/L	20000	14400	100		01/31/20 12:40	64-17-5	
Ethylbenzene	**1250**	ug/L	500	184	100		01/31/20 12:40	100-41-4	
Ethyl-tert-butyl ether	**ND**	ug/L	1000	846	100		01/31/20 12:40	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	500	310	100		01/31/20 12:40	1634-04-4	
Naphthalene	**219J**	ug/L	500	209	100		01/31/20 12:40	91-20-3	
Toluene	**12200**	ug/L	500	201	100		01/31/20 12:40	108-88-3	
Xylene (Total)	**6950**	ug/L	500	500	100		01/31/20 12:40	1330-20-7	
m&p-Xylene	**4940**	ug/L	1000	411	100		01/31/20 12:40	179601-23-1	
o-Xylene	**2020**	ug/L	500	204	100		01/31/20 12:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		100		01/31/20 12:40	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		100		01/31/20 12:40	17060-07-0	
Toluene-d8 (S)	100	%	70-130		100		01/31/20 12:40	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-31 Lab ID: **92462408034** Collected: 01/23/20 10:45 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**1.4**	ug/L	0.049	0.028	2.5	01/30/20 08:39	01/31/20 11:25	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	100	%	60-140		2.5	01/30/20 08:39	01/31/20 11:25	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	**3440**	ug/L	2500	1640	25		01/31/20 11:27	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	76.0	25		01/31/20 11:27	994-05-8	
Benzene	**1050**	ug/L	125	43.5	25		01/31/20 11:27	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	1350	25		01/31/20 11:27	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	2280	25		01/31/20 11:27	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	602	25		01/31/20 11:27	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	51.5	25		01/31/20 11:27	107-06-2	
Diisopropyl ether	ND	ug/L	125	87.2	25		01/31/20 11:27	108-20-3	
Ethanol	ND	ug/L	5000	3600	25		01/31/20 11:27	64-17-5	
Ethylbenzene	**296**	ug/L	125	46.0	25		01/31/20 11:27	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	212	25		01/31/20 11:27	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	125	77.5	25		01/31/20 11:27	1634-04-4	
Naphthalene	ND	ug/L	125	52.2	25		01/31/20 11:27	91-20-3	
Toluene	**3090**	ug/L	125	50.2	25		01/31/20 11:27	108-88-3	
Xylene (Total)	**1600**	ug/L	125	125	25		01/31/20 11:27	1330-20-7	
m&p-Xylene	**1080**	ug/L	250	103	25		01/31/20 11:27	179601-23-1	
o-Xylene	**516**	ug/L	125	51.0	25		01/31/20 11:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		25		01/31/20 11:27	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		25		01/31/20 11:27	17060-07-0	
Toluene-d8 (S)	100	%	70-130		25		01/31/20 11:27	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-32 Lab ID: **92462408035** Collected: 01/23/20 10:45 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**5.5**	ug/L	0.20	0.11	10	01/30/20 08:39	01/31/20 11:37	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		10	01/30/20 08:39	01/31/20 11:37	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	10000	6560	100		01/31/20 12:58	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	304	100		01/31/20 12:58	994-05-8	
Benzene	**3660**	ug/L	500	174	100		01/31/20 12:58	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	5390	100		01/31/20 12:58	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	9100	100		01/31/20 12:58	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	2410	100		01/31/20 12:58	762-75-4	
1,2-Dichloroethane	ND	ug/L	500	206	100		01/31/20 12:58	107-06-2	
Diisopropyl ether	ND	ug/L	500	349	100		01/31/20 12:58	108-20-3	
Ethanol	ND	ug/L	20000	14400	100		01/31/20 12:58	64-17-5	
Ethylbenzene	**1980**	ug/L	500	184	100		01/31/20 12:58	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	846	100		01/31/20 12:58	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	500	310	100		01/31/20 12:58	1634-04-4	
Naphthalene	**273J**	ug/L	500	209	100		01/31/20 12:58	91-20-3	
Toluene	**16200**	ug/L	500	201	100		01/31/20 12:58	108-88-3	
Xylene (Total)	**10200**	ug/L	500	500	100		01/31/20 12:58	1330-20-7	
m&p-Xylene	**7280**	ug/L	1000	411	100		01/31/20 12:58	179601-23-1	
o-Xylene	**2950**	ug/L	500	204	100		01/31/20 12:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		100		01/31/20 12:58	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		100		01/31/20 12:58	17060-07-0	
Toluene-d8 (S)	100	%	70-130		100		01/31/20 12:58	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-33 **Lab ID: 92462408036** Collected: 01/23/20 10:51 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**340**	ug/L	10.0	5.7	500	01/30/20 08:39	01/31/20 11:49	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		500	01/30/20 08:39	01/31/20 11:49	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	**19300J**	ug/L	25000	16400	250		01/30/20 17:43	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2500	760	250		01/30/20 17:43	994-05-8	
Benzene	**15100**	ug/L	1250	435	250		01/30/20 17:43	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	25000	13500	250		01/30/20 17:43	624-95-3	
tert-Butyl Alcohol	ND	ug/L	25000	22800	250		01/30/20 17:43	75-65-0	
tert-Butyl Formate	ND	ug/L	12500	6020	250		01/30/20 17:43	762-75-4	
1,2-Dichloroethane	ND	ug/L	1250	515	250		01/30/20 17:43	107-06-2	
Diisopropyl ether	ND	ug/L	1250	872	250		01/30/20 17:43	108-20-3	
Ethanol	ND	ug/L	50000	36000	250		01/30/20 17:43	64-17-5	
Ethylbenzene	**3830**	ug/L	1250	460	250		01/30/20 17:43	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2500	2120	250		01/30/20 17:43	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1250	775	250		01/30/20 17:43	1634-04-4	
Naphthalene	ND	ug/L	1250	522	250		01/30/20 17:43	91-20-3	
Toluene	**49400**	ug/L	1250	502	250		01/30/20 17:43	108-88-3	
Xylene (Total)	**19600**	ug/L	1250	1250	250		01/30/20 17:43	1330-20-7	
m&p-Xylene	**13600**	ug/L	2500	1030	250		01/30/20 17:43	179601-23-1	
o-Xylene	**6040**	ug/L	1250	510	250		01/30/20 17:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		250		01/30/20 17:43	460-00-4	
1,2-Dichloroethane-d4 (S)	87	%	70-130		250		01/30/20 17:43	17060-07-0	
Toluene-d8 (S)	98	%	70-130		250		01/30/20 17:43	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-34 **Lab ID: 92462408037** Collected: 01/23/20 11:41 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**5.9**	ug/L	0.20	0.11	10	01/30/20 08:39	01/31/20 12:13	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		10	01/30/20 08:39	01/31/20 12:13	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	12500	8200	125		01/30/20 14:26	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1250	380	125		01/30/20 14:26	994-05-8	
Benzene	**2530**	ug/L	625	218	125		01/30/20 14:26	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	12500	6740	125		01/30/20 14:26	624-95-3	
tert-Butyl Alcohol	ND	ug/L	12500	11400	125		01/30/20 14:26	75-65-0	
tert-Butyl Formate	ND	ug/L	6250	3010	125		01/30/20 14:26	762-75-4	
1,2-Dichloroethane	ND	ug/L	625	258	125		01/30/20 14:26	107-06-2	
Diisopropyl ether	ND	ug/L	625	436	125		01/30/20 14:26	108-20-3	
Ethanol	ND	ug/L	25000	18000	125		01/30/20 14:26	64-17-5	
Ethylbenzene	**2400**	ug/L	625	230	125		01/30/20 14:26	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1250	1060	125		01/30/20 14:26	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	625	388	125		01/30/20 14:26	1634-04-4	
Naphthalene	**335J**	ug/L	625	261	125		01/30/20 14:26	91-20-3	
Toluene	**18700**	ug/L	625	251	125		01/30/20 14:26	108-88-3	
Xylene (Total)	**16900**	ug/L	625	625	125		01/30/20 14:26	1330-20-7	
m&p-Xylene	**11600**	ug/L	1250	514	125		01/30/20 14:26	179601-23-1	
o-Xylene	**5270**	ug/L	625	255	125		01/30/20 14:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		125		01/30/20 14:26	460-00-4	
1,2-Dichloroethane-d4 (S)	81	%	70-130		125		01/30/20 14:26	17060-07-0	
Toluene-d8 (S)	102	%	70-130		125		01/30/20 14:26	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: MW-35 **Lab ID: 92462408038** Collected: 01/23/20 11:41 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**266**	ug/L	8.0	4.6	400	01/30/20 08:39	01/31/20 12:25	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		400	01/30/20 08:39	01/31/20 12:25	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	25000	16400	250		01/30/20 18:19	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2500	760	250		01/30/20 18:19	994-05-8	
Benzene	**12100**	ug/L	1250	435	250		01/30/20 18:19	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	25000	13500	250		01/30/20 18:19	624-95-3	
tert-Butyl Alcohol	ND	ug/L	25000	22800	250		01/30/20 18:19	75-65-0	
tert-Butyl Formate	ND	ug/L	12500	6020	250		01/30/20 18:19	762-75-4	
1,2-Dichloroethane	ND	ug/L	1250	515	250		01/30/20 18:19	107-06-2	
Diisopropyl ether	ND	ug/L	1250	872	250		01/30/20 18:19	108-20-3	
Ethanol	ND	ug/L	50000	36000	250		01/30/20 18:19	64-17-5	
Ethylbenzene	**3400**	ug/L	1250	460	250		01/30/20 18:19	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2500	2120	250		01/30/20 18:19	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1250	775	250		01/30/20 18:19	1634-04-4	
Naphthalene	ND	ug/L	1250	522	250		01/30/20 18:19	91-20-3	
Toluene	**48800**	ug/L	1250	502	250		01/30/20 18:19	108-88-3	
Xylene (Total)	**23000**	ug/L	1250	1250	250		01/30/20 18:19	1330-20-7	
m&p-Xylene	**15800**	ug/L	2500	1030	250		01/30/20 18:19	179601-23-1	
o-Xylene	**7230**	ug/L	1250	510	250		01/30/20 18:19	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		250		01/30/20 18:19	460-00-4	
1,2-Dichloroethane-d4 (S)	85	%	70-130		250		01/30/20 18:19	17060-07-0	
Toluene-d8 (S)	100	%	70-130		250		01/30/20 18:19	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: TFR 1 **Lab ID: 92462408039** Collected: 01/24/20 11:08 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**12.4**	ug/L	0.41	0.23	20	01/30/20 08:39	01/31/20 12:37	106-93-4	M1
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		20	01/30/20 08:39	01/31/20 12:37	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	12500	8200	125		01/30/20 22:57	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1250	380	125		01/30/20 22:57	994-05-8	
Benzene	**842**	ug/L	625	218	125		01/30/20 22:57	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	12500	6740	125		01/30/20 22:57	624-95-3	
tert-Butyl Alcohol	ND	ug/L	12500	11400	125		01/30/20 22:57	75-65-0	
tert-Butyl Formate	ND	ug/L	6250	3010	125		01/30/20 22:57	762-75-4	
1,2-Dichloroethane	ND	ug/L	625	258	125		01/30/20 22:57	107-06-2	
Diisopropyl ether	ND	ug/L	625	436	125		01/30/20 22:57	108-20-3	
Ethanol	ND	ug/L	25000	18000	125		01/30/20 22:57	64-17-5	
Ethylbenzene	**2840**	ug/L	625	230	125		01/30/20 22:57	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1250	1060	125		01/30/20 22:57	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	625	388	125		01/30/20 22:57	1634-04-4	
Naphthalene	ND	ug/L	625	261	125		01/30/20 22:57	91-20-3	
Toluene	**21700**	ug/L	625	251	125		01/30/20 22:57	108-88-3	
Xylene (Total)	**20800**	ug/L	625	625	125		01/30/20 22:57	1330-20-7	
m&p-Xylene	**13500**	ug/L	1250	514	125		01/30/20 22:57	179601-23-1	
o-Xylene	**7240**	ug/L	625	255	125		01/30/20 22:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		125		01/30/20 22:57	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		125		01/30/20 22:57	17060-07-0	
Toluene-d8 (S)	101	%	70-130		125		01/30/20 22:57	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: TFR 2 **Lab ID: 92462408040** Collected: 01/24/20 11:14 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	01/30/20 08:39	01/30/20 21:43	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	94	%	60-140		1	01/30/20 08:39	01/30/20 21:43	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/31/20 00:47	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/31/20 00:47	994-05-8	
Benzene	**32.9**	ug/L	5.0	1.7	1		01/31/20 00:47	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/31/20 00:47	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/31/20 00:47	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/31/20 00:47	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/31/20 00:47	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/31/20 00:47	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/31/20 00:47	64-17-5	
Ethylbenzene	**28.7**	ug/L	5.0	1.8	1		01/31/20 00:47	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/31/20 00:47	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/31/20 00:47	1634-04-4	
Naphthalene	**17.4**	ug/L	5.0	2.1	1		01/31/20 00:47	91-20-3	
Toluene	**93.2**	ug/L	5.0	2.0	1		01/31/20 00:47	108-88-3	
Xylene (Total)	**520**	ug/L	5.0	5.0	1		01/31/20 00:47	1330-20-7	
m&p-Xylene	**342**	ug/L	10.0	4.1	1		01/31/20 00:47	179601-23-1	
o-Xylene	**178**	ug/L	5.0	2.0	1		01/31/20 00:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		01/31/20 00:47	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		01/31/20 00:47	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/31/20 00:47	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: TFR 3 Lab ID: 92462408041 Collected: 01/23/20 13:52 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**18.3**	ug/L	0.50	0.29	25	01/30/20 08:39	01/31/20 12:49	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		25	01/30/20 08:39	01/31/20 12:49	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	4000	2620	40		01/30/20 22:39	75-85-4	
tert-Amylmethyl ether	ND	ug/L	400	122	40		01/30/20 22:39	994-05-8	
Benzene	**2560**	ug/L	200	69.6	40		01/30/20 22:39	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	4000	2160	40		01/30/20 22:39	624-95-3	
tert-Butyl Alcohol	ND	ug/L	4000	3640	40		01/30/20 22:39	75-65-0	
tert-Butyl Formate	ND	ug/L	2000	964	40		01/30/20 22:39	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	82.4	40		01/30/20 22:39	107-06-2	
Diisopropyl ether	ND	ug/L	200	140	40		01/30/20 22:39	108-20-3	
Ethanol	ND	ug/L	8000	5760	40		01/30/20 22:39	64-17-5	
Ethylbenzene	**319**	ug/L	200	73.6	40		01/30/20 22:39	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	400	338	40		01/30/20 22:39	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	200	124	40		01/30/20 22:39	1634-04-4	
Naphthalene	ND	ug/L	200	83.6	40		01/30/20 22:39	91-20-3	
Toluene	**7520**	ug/L	200	80.4	40		01/30/20 22:39	108-88-3	
Xylene (Total)	**6650**	ug/L	200	200	40		01/30/20 22:39	1330-20-7	
m&p-Xylene	**4190**	ug/L	400	164	40		01/30/20 22:39	179601-23-1	
o-Xylene	**2460**	ug/L	200	81.6	40		01/30/20 22:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		40		01/30/20 22:39	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		40		01/30/20 22:39	17060-07-0	
Toluene-d8 (S)	101	%	70-130		40		01/30/20 22:39	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: TFR 4 Lab ID: **92462408042** Collected: 01/23/20 12:43 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**3.0**	ug/L	0.082	0.047	4	01/30/20 08:39	01/31/20 14:07	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	65	%	60-140		4	01/30/20 08:39	01/31/20 14:07	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	500	328	5		01/30/20 23:52	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	15.2	5		01/30/20 23:52	994-05-8	
Benzene	**174**	ug/L	25.0	8.7	5		01/30/20 23:52	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	270	5		01/30/20 23:52	624-95-3	
tert-Butyl Alcohol	ND	ug/L	500	455	5		01/30/20 23:52	75-65-0	
tert-Butyl Formate	ND	ug/L	250	120	5		01/30/20 23:52	762-75-4	
1,2-Dichloroethane	ND	ug/L	25.0	10.3	5		01/30/20 23:52	107-06-2	
Diisopropyl ether	ND	ug/L	25.0	17.4	5		01/30/20 23:52	108-20-3	
Ethanol	ND	ug/L	1000	720	5		01/30/20 23:52	64-17-5	
Ethylbenzene	**24.0J**	ug/L	25.0	9.2	5		01/30/20 23:52	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	42.3	5		01/30/20 23:52	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	25.0	15.5	5		01/30/20 23:52	1634-04-4	
Naphthalene	**37.6**	ug/L	25.0	10.4	5		01/30/20 23:52	91-20-3	
Toluene	**508**	ug/L	25.0	10.0	5		01/30/20 23:52	108-88-3	
Xylene (Total)	**1700**	ug/L	25.0	25.0	5		01/30/20 23:52	1330-20-7	
m&p-Xylene	**894**	ug/L	50.0	20.6	5		01/30/20 23:52	179601-23-1	
o-Xylene	**805**	ug/L	25.0	10.2	5		01/30/20 23:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		5		01/30/20 23:52	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		5		01/30/20 23:52	17060-07-0	
Toluene-d8 (S)	101	%	70-130		5		01/30/20 23:52	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: TFR 6 **Lab ID: 92462408043** Collected: 01/23/20 12:13 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**37.9**	ug/L	1.0	0.59	50	01/30/20 08:39	01/31/20 14:19	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		50	01/30/20 08:39	01/31/20 14:19	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	20000	13100	200		01/30/20 23:15	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	608	200		01/30/20 23:15	994-05-8	
Benzene	**5620**	ug/L	1000	348	200		01/30/20 23:15	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10800	200		01/30/20 23:15	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	18200	200		01/30/20 23:15	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	4820	200		01/30/20 23:15	762-75-4	
1,2-Dichloroethane	ND	ug/L	1000	412	200		01/30/20 23:15	107-06-2	
Diisopropyl ether	ND	ug/L	1000	698	200		01/30/20 23:15	108-20-3	
Ethanol	ND	ug/L	40000	28800	200		01/30/20 23:15	64-17-5	
Ethylbenzene	**3010**	ug/L	1000	368	200		01/30/20 23:15	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	1690	200		01/30/20 23:15	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1000	620	200		01/30/20 23:15	1634-04-4	
Naphthalene	**579J**	ug/L	1000	418	200		01/30/20 23:15	91-20-3	
Toluene	**35000**	ug/L	1000	402	200		01/30/20 23:15	108-88-3	M1
Xylene (Total)	**21000**	ug/L	1000	1000	200		01/30/20 23:15	1330-20-7	
m&p-Xylene	**14200**	ug/L	2000	822	200		01/30/20 23:15	179601-23-1	
o-Xylene	**6850**	ug/L	1000	408	200		01/30/20 23:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		200		01/30/20 23:15	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		200		01/30/20 23:15	17060-07-0	
Toluene-d8 (S)	100	%	70-130		200		01/30/20 23:15	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: TFR 9 **Lab ID: 92462408044** Collected: 01/23/20 11:29 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**0.059**	ug/L	0.020	0.012	1	01/30/20 08:39	01/30/20 22:57	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	100	%	60-140		1	01/30/20 08:39	01/30/20 22:57	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/30/20 21:44	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/30/20 21:44	994-05-8	
Benzene	**3.0J**	ug/L	5.0	1.7	1		01/30/20 21:44	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/30/20 21:44	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/30/20 21:44	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/30/20 21:44	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/30/20 21:44	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/30/20 21:44	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/30/20 21:44	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		01/30/20 21:44	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/30/20 21:44	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/30/20 21:44	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/30/20 21:44	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/30/20 21:44	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/30/20 21:44	1330-20-7	
m&p-Xylene	**8.0J**	ug/L	10.0	4.1	1		01/30/20 21:44	179601-23-1	
o-Xylene	**2.5J**	ug/L	5.0	2.0	1		01/30/20 21:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		01/30/20 21:44	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		01/30/20 21:44	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/30/20 21:44	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: TFR 10 Lab ID: **92462408045** Collected: 01/23/20 12:21 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**3.3**	ug/L	0.10	0.057	5	01/30/20 08:39	01/31/20 14:31	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	101	%	60-140		5	01/30/20 08:39	01/31/20 14:31	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	**2520**	ug/L	2500	1640	25		01/31/20 00:10	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	76.0	25		01/31/20 00:10	994-05-8	
Benzene	**1470**	ug/L	125	43.5	25		01/31/20 00:10	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	1350	25		01/31/20 00:10	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	2280	25		01/31/20 00:10	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	602	25		01/31/20 00:10	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	51.5	25		01/31/20 00:10	107-06-2	
Diisopropyl ether	ND	ug/L	125	87.2	25		01/31/20 00:10	108-20-3	
Ethanol	ND	ug/L	5000	3600	25		01/31/20 00:10	64-17-5	
Ethylbenzene	**307**	ug/L	125	46.0	25		01/31/20 00:10	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	212	25		01/31/20 00:10	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	125	77.5	25		01/31/20 00:10	1634-04-4	
Naphthalene	**74.4J**	ug/L	125	52.2	25		01/31/20 00:10	91-20-3	
Toluene	**4500**	ug/L	125	50.2	25		01/31/20 00:10	108-88-3	
Xylene (Total)	**2680**	ug/L	125	125	25		01/31/20 00:10	1330-20-7	
m&p-Xylene	**1830**	ug/L	250	103	25		01/31/20 00:10	179601-23-1	
o-Xylene	**855**	ug/L	125	51.0	25		01/31/20 00:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		25		01/31/20 00:10	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		25		01/31/20 00:10	17060-07-0	
Toluene-d8 (S)	101	%	70-130		25		01/31/20 00:10	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: TFR 11 **Lab ID: 92462408046** Collected: 01/23/20 11:17 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**322**	ug/L	10.0	5.7	500	01/30/20 08:39	01/31/20 14:43	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		500	01/30/20 08:39	01/31/20 14:43	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	20000	13100	200		01/30/20 15:20	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	608	200		01/30/20 15:20	994-05-8	
Benzene	**14200**	ug/L	1000	348	200		01/30/20 15:20	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10800	200		01/30/20 15:20	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	18200	200		01/30/20 15:20	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	4820	200		01/30/20 15:20	762-75-4	
1,2-Dichloroethane	ND	ug/L	1000	412	200		01/30/20 15:20	107-06-2	
Diisopropyl ether	ND	ug/L	1000	698	200		01/30/20 15:20	108-20-3	
Ethanol	ND	ug/L	40000	28800	200		01/30/20 15:20	64-17-5	
Ethylbenzene	**2710**	ug/L	1000	368	200		01/30/20 15:20	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	1690	200		01/30/20 15:20	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1000	620	200		01/30/20 15:20	1634-04-4	
Naphthalene	ND	ug/L	1000	418	200		01/30/20 15:20	91-20-3	
Toluene	**34300**	ug/L	1000	402	200		01/30/20 15:20	108-88-3	
Xylene (Total)	**14400**	ug/L	1000	1000	200		01/30/20 15:20	1330-20-7	
m&p-Xylene	**9760**	ug/L	2000	822	200		01/30/20 15:20	179601-23-1	
o-Xylene	**4620**	ug/L	1000	408	200		01/30/20 15:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		200		01/30/20 15:20	460-00-4	
1,2-Dichloroethane-d4 (S)	87	%	70-130		200		01/30/20 15:20	17060-07-0	
Toluene-d8 (S)	99	%	70-130		200		01/30/20 15:20	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: DUP 1 **Lab ID: 92462408047** Collected: 01/23/20 11:17 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	352	ug/L	9.8	5.6	500	01/30/20 08:39	01/31/20 14:55	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		500	01/30/20 08:39	01/31/20 14:55	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	**14600J**	ug/L	20000	13100	200		01/30/20 15:56	75-85-4	
tert-Amylmethyl ether	**ND**	ug/L	2000	608	200		01/30/20 15:56	994-05-8	
Benzene	**14500**	ug/L	1000	348	200		01/30/20 15:56	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10800	200		01/30/20 15:56	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	18200	200		01/30/20 15:56	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	4820	200		01/30/20 15:56	762-75-4	
1,2-Dichloroethane	ND	ug/L	1000	412	200		01/30/20 15:56	107-06-2	
Diisopropyl ether	ND	ug/L	1000	698	200		01/30/20 15:56	108-20-3	
Ethanol	ND	ug/L	40000	28800	200		01/30/20 15:56	64-17-5	
Ethylbenzene	**2680**	ug/L	1000	368	200		01/30/20 15:56	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	1690	200		01/30/20 15:56	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1000	620	200		01/30/20 15:56	1634-04-4	
Naphthalene	ND	ug/L	1000	418	200		01/30/20 15:56	91-20-3	
Toluene	**34600**	ug/L	1000	402	200		01/30/20 15:56	108-88-3	
Xylene (Total)	**14200**	ug/L	1000	1000	200		01/30/20 15:56	1330-20-7	
m&p-Xylene	**9700**	ug/L	2000	822	200		01/30/20 15:56	179601-23-1	
o-Xylene	**4490**	ug/L	1000	408	200		01/30/20 15:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		200		01/30/20 15:56	460-00-4	
1,2-Dichloroethane-d4 (S)	87	%	70-130		200		01/30/20 15:56	17060-07-0	
Toluene-d8 (S)	99	%	70-130		200		01/30/20 15:56	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: DUP 2 **Lab ID: 92462408048** Collected: 01/23/20 12:21 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**3.5**	ug/L	0.10	0.057	5	01/30/20 08:39	01/31/20 15:07	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	99	%	60-140		5	01/30/20 08:39	01/31/20 15:07	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	**2290J**	ug/L	2500	1640	25		01/31/20 11:45	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	76.0	25		01/31/20 11:45	994-05-8	
Benzene	**1450**	ug/L	125	43.5	25		01/31/20 11:45	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	1350	25		01/31/20 11:45	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	2280	25		01/31/20 11:45	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	602	25		01/31/20 11:45	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	51.5	25		01/31/20 11:45	107-06-2	
Diisopropyl ether	ND	ug/L	125	87.2	25		01/31/20 11:45	108-20-3	
Ethanol	ND	ug/L	5000	3600	25		01/31/20 11:45	64-17-5	
Ethylbenzene	**310**	ug/L	125	46.0	25		01/31/20 11:45	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	212	25		01/31/20 11:45	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	125	77.5	25		01/31/20 11:45	1634-04-4	
Naphthalene	**72.1J**	ug/L	125	52.2	25		01/31/20 11:45	91-20-3	
Toluene	**4330**	ug/L	125	50.2	25		01/31/20 11:45	108-88-3	
Xylene (Total)	**2560**	ug/L	125	125	25		01/31/20 11:45	1330-20-7	
m&p-Xylene	**1740**	ug/L	250	103	25		01/31/20 11:45	179601-23-1	
o-Xylene	**820**	ug/L	125	51.0	25		01/31/20 11:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		25		01/31/20 11:45	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		25		01/31/20 11:45	17060-07-0	
Toluene-d8 (S)	100	%	70-130		25		01/31/20 11:45	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: DUP 3 Lab ID: 92462408049 Collected: 01/23/20 11:41 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**269**	ug/L	8.0	4.6	400	01/30/20 08:39	01/31/20 15:19	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		400	01/30/20 08:39	01/31/20 15:19	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	25000	16400	250		01/30/20 18:54	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2500	760	250		01/30/20 18:54	994-05-8	
Benzene	**11400**	ug/L	1250	435	250		01/30/20 18:54	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	25000	13500	250		01/30/20 18:54	624-95-3	
tert-Butyl Alcohol	ND	ug/L	25000	22800	250		01/30/20 18:54	75-65-0	
tert-Butyl Formate	ND	ug/L	12500	6020	250		01/30/20 18:54	762-75-4	
1,2-Dichloroethane	ND	ug/L	1250	515	250		01/30/20 18:54	107-06-2	
Diisopropyl ether	ND	ug/L	1250	872	250		01/30/20 18:54	108-20-3	
Ethanol	ND	ug/L	50000	36000	250		01/30/20 18:54	64-17-5	
Ethylbenzene	**3160**	ug/L	1250	460	250		01/30/20 18:54	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2500	2120	250		01/30/20 18:54	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1250	775	250		01/30/20 18:54	1634-04-4	
Naphthalene	ND	ug/L	1250	522	250		01/30/20 18:54	91-20-3	
Toluene	**45800**	ug/L	1250	502	250		01/30/20 18:54	108-88-3	
Xylene (Total)	**21700**	ug/L	1250	1250	250		01/30/20 18:54	1330-20-7	
m&p-Xylene	**14800**	ug/L	2500	1030	250		01/30/20 18:54	179601-23-1	
o-Xylene	**6830**	ug/L	1250	510	250		01/30/20 18:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		250		01/30/20 18:54	460-00-4	
1,2-Dichloroethane-d4 (S)	85	%	70-130		250		01/30/20 18:54	17060-07-0	
Toluene-d8 (S)	100	%	70-130		250		01/30/20 18:54	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: FB 1 **Lab ID: 92462408050** Collected: 01/23/20 14:09 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	**0.038**	ug/L	0.020	0.011	1	01/30/20 08:39	01/31/20 00:46	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	100	%	60-140		1	01/30/20 08:39	01/31/20 00:46	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/29/20 15:10	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/29/20 15:10	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/29/20 15:10	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/29/20 15:10	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/29/20 15:10	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/29/20 15:10	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/29/20 15:10	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/29/20 15:10	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/29/20 15:10	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		01/29/20 15:10	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/29/20 15:10	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/29/20 15:10	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/29/20 15:10	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/29/20 15:10	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/29/20 15:10	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		01/29/20 15:10	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		01/29/20 15:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/29/20 15:10	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		01/29/20 15:10	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/29/20 15:10	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: FB 2 **Lab ID: 92462408051** Collected: 01/24/20 12:00 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.012	1	01/30/20 08:39	01/31/20 01:04	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	105	%	60-140		1	01/30/20 08:39	01/31/20 01:04	301-79-56	
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/29/20 15:28	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/29/20 15:28	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/29/20 15:28	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/29/20 15:28	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/29/20 15:28	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/29/20 15:28	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/29/20 15:28	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/29/20 15:28	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/29/20 15:28	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		01/29/20 15:28	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/29/20 15:28	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/29/20 15:28	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/29/20 15:28	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/29/20 15:28	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/29/20 15:28	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		01/29/20 15:28	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		01/29/20 15:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/29/20 15:28	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		01/29/20 15:28	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		01/29/20 15:28	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: SW-1 **Lab ID: 92462408052** Collected: 01/23/20 09:17 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	01/30/20 08:39	01/31/20 01:22	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	99	%	60-140		1	01/30/20 08:39	01/31/20 01:22	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	53.9	1		01/29/20 17:46	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.5	1		01/29/20 17:46	994-05-8	
Benzene	ND	ug/L	1.0	0.15	1		01/29/20 17:46	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	62.0	1		01/29/20 17:46	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.3	1		01/29/20 17:46	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.7	1		01/29/20 17:46	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.34	1		01/29/20 17:46	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.22	1		01/29/20 17:46	108-20-3	
Ethanol	ND	ug/L	200	98.8	1		01/29/20 17:46	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.26	1		01/29/20 17:46	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.7	1		01/29/20 17:46	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.28	1		01/29/20 17:46	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.35	1		01/29/20 17:46	91-20-3	
Toluene	ND	ug/L	1.0	0.24	1		01/29/20 17:46	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.63	1		01/29/20 17:46	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.41	1		01/29/20 17:46	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.22	1		01/29/20 17:46	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/29/20 17:46	460-00-4	
1,2-Dichloroethane-d4 (S)	86	%	70-130		1		01/29/20 17:46	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		01/29/20 17:46	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: SW-2 **Lab ID: 92462408053** Collected: 01/23/20 09:19 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.012	1	01/30/20 08:39	01/31/20 01:40	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	94	%	60-140		1	01/30/20 08:39	01/31/20 01:40	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	53.9	1		01/29/20 18:04	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.5	1		01/29/20 18:04	994-05-8	
Benzene	ND	ug/L	1.0	0.15	1		01/29/20 18:04	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	62.0	1		01/29/20 18:04	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.3	1		01/29/20 18:04	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.7	1		01/29/20 18:04	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.34	1		01/29/20 18:04	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.22	1		01/29/20 18:04	108-20-3	
Ethanol	ND	ug/L	200	98.8	1		01/29/20 18:04	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.26	1		01/29/20 18:04	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.7	1		01/29/20 18:04	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.28	1		01/29/20 18:04	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.35	1		01/29/20 18:04	91-20-3	
Toluene	**0.36J**	ug/L	1.0	0.24	1		01/29/20 18:04	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.63	1		01/29/20 18:04	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.41	1		01/29/20 18:04	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.22	1		01/29/20 18:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/29/20 18:04	460-00-4	
1,2-Dichloroethane-d4 (S)	86	%	70-130		1		01/29/20 18:04	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/29/20 18:04	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: SW-3 **Lab ID: 92462408054** Collected: 01/23/20 09:21 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	01/30/20 08:39	01/31/20 01:59	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	103	%	60-140		1	01/30/20 08:39	01/31/20 01:59	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	53.9	1		01/29/20 18:22	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.5	1		01/29/20 18:22	994-05-8	
Benzene	ND	ug/L	1.0	0.15	1		01/29/20 18:22	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	62.0	1		01/29/20 18:22	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.3	1		01/29/20 18:22	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.7	1		01/29/20 18:22	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.34	1		01/29/20 18:22	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.22	1		01/29/20 18:22	108-20-3	
Ethanol	ND	ug/L	200	98.8	1		01/29/20 18:22	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.26	1		01/29/20 18:22	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.7	1		01/29/20 18:22	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.28	1		01/29/20 18:22	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.35	1		01/29/20 18:22	91-20-3	
Toluene	**0.33J**	ug/L	1.0	0.24	1		01/29/20 18:22	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.63	1		01/29/20 18:22	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.41	1		01/29/20 18:22	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.22	1		01/29/20 18:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/29/20 18:22	460-00-4	
1,2-Dichloroethane-d4 (S)	85	%	70-130		1		01/29/20 18:22	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		01/29/20 18:22	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: SW-4 Lab ID: 92462408055 Collected: 01/23/20 09:23 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.012	1	01/30/20 08:39	01/31/20 02:17	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	98	%	60-140		1	01/30/20 08:39	01/31/20 02:17	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	53.9	1		01/29/20 18:40	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.5	1		01/29/20 18:40	994-05-8	
Benzene	ND	ug/L	1.0	0.15	1		01/29/20 18:40	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	62.0	1		01/29/20 18:40	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.3	1		01/29/20 18:40	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.7	1		01/29/20 18:40	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.34	1		01/29/20 18:40	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.22	1		01/29/20 18:40	108-20-3	
Ethanol	ND	ug/L	200	98.8	1		01/29/20 18:40	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.26	1		01/29/20 18:40	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.7	1		01/29/20 18:40	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.28	1		01/29/20 18:40	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.35	1		01/29/20 18:40	91-20-3	
Toluene	0.28J	ug/L	1.0	0.24	1		01/29/20 18:40	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.63	1		01/29/20 18:40	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.41	1		01/29/20 18:40	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.22	1		01/29/20 18:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/29/20 18:40	460-00-4	
1,2-Dichloroethane-d4 (S)	87	%	70-130		1		01/29/20 18:40	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		01/29/20 18:40	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: SW-5 **Lab ID: 92462408056** Collected: 01/23/20 09:25 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	01/30/20 08:39	01/31/20 02:35	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	93	%	60-140		1	01/30/20 08:39	01/31/20 02:35	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	53.9	1		01/29/20 18:58	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.5	1		01/29/20 18:58	994-05-8	
Benzene	ND	ug/L	1.0	0.15	1		01/29/20 18:58	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	62.0	1		01/29/20 18:58	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.3	1		01/29/20 18:58	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.7	1		01/29/20 18:58	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.34	1		01/29/20 18:58	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.22	1		01/29/20 18:58	108-20-3	
Ethanol	ND	ug/L	200	98.8	1		01/29/20 18:58	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.26	1		01/29/20 18:58	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.7	1		01/29/20 18:58	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.28	1		01/29/20 18:58	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.35	1		01/29/20 18:58	91-20-3	
Toluene	**2.0**	ug/L	1.0	0.24	1		01/29/20 18:58	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.63	1		01/29/20 18:58	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.41	1		01/29/20 18:58	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.22	1		01/29/20 18:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/29/20 18:58	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	70-130		1		01/29/20 18:58	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		01/29/20 18:58	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: SW-6 Lab ID: 92462408057 Collected: 01/23/20 10:33 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	01/30/20 08:39	01/31/20 02:03	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	86	%	60-140		1	01/30/20 08:39	01/31/20 02:03	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	53.9	1		01/29/20 19:15	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.5	1		01/29/20 19:15	994-05-8	
Benzene	ND	ug/L	1.0	0.15	1		01/29/20 19:15	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	62.0	1		01/29/20 19:15	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.3	1		01/29/20 19:15	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.7	1		01/29/20 19:15	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.34	1		01/29/20 19:15	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.22	1		01/29/20 19:15	108-20-3	
Ethanol	ND	ug/L	200	98.8	1		01/29/20 19:15	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.26	1		01/29/20 19:15	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.7	1		01/29/20 19:15	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.28	1		01/29/20 19:15	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.35	1		01/29/20 19:15	91-20-3	
Toluene	ND	ug/L	1.0	0.24	1		01/29/20 19:15	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.63	1		01/29/20 19:15	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.41	1		01/29/20 19:15	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.22	1		01/29/20 19:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/29/20 19:15	460-00-4	
1,2-Dichloroethane-d4 (S)	86	%	70-130		1		01/29/20 19:15	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		01/29/20 19:15	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: TB 1 Lab ID: 92462408058 Collected: 01/23/20 08:00 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/29/20 15:46	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/29/20 15:46	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/29/20 15:46	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/29/20 15:46	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/29/20 15:46	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/29/20 15:46	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/29/20 15:46	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/29/20 15:46	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/29/20 15:46	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		01/29/20 15:46	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/29/20 15:46	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/29/20 15:46	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/29/20 15:46	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/29/20 15:46	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/29/20 15:46	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		01/29/20 15:46	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		01/29/20 15:46	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/29/20 15:46	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		01/29/20 15:46	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		01/29/20 15:46	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: TB 2 Lab ID: 92462408059 Collected: 01/23/20 08:00 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/29/20 16:30	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/29/20 16:30	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/29/20 16:30	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/29/20 16:30	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/29/20 16:30	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/29/20 16:30	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/29/20 16:30	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/29/20 16:30	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/29/20 16:30	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		01/29/20 16:30	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/29/20 16:30	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/29/20 16:30	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/29/20 16:30	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/29/20 16:30	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/29/20 16:30	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		01/29/20 16:30	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		01/29/20 16:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/29/20 16:30	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		01/29/20 16:30	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		01/29/20 16:30	2037-26-5	

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ANALYTICAL RESULTS

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

Sample: TB 3 **Lab ID: 92462408060** Collected: 01/23/20 08:00 Received: 01/24/20 18:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260D								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/29/20 16:48	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/29/20 16:48	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/29/20 16:48	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/29/20 16:48	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/29/20 16:48	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/29/20 16:48	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/29/20 16:48	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/29/20 16:48	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/29/20 16:48	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		01/29/20 16:48	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/29/20 16:48	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/29/20 16:48	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/29/20 16:48	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/29/20 16:48	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/29/20 16:48	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		01/29/20 16:48	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		01/29/20 16:48	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/29/20 16:48	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		01/29/20 16:48	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		01/29/20 16:48	2037-26-5	

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QUALITY CONTROL DATA

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

QC Batch: 522053 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC
Associated Lab Samples: 92462408052, 92462408053, 92462408054, 92462408055, 92462408056, 92462408057

METHOD BLANK: 2792486 Matrix: Water
Associated Lab Samples: 92462408052, 92462408053, 92462408054, 92462408055, 92462408056, 92462408057

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.34	01/29/20 11:32	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	62.0	01/29/20 11:32	
Benzene	ug/L	ND	1.0	0.15	01/29/20 11:32	
Diisopropyl ether	ug/L	ND	1.0	0.22	01/29/20 11:32	
Ethanol	ug/L	ND	200	98.8	01/29/20 11:32	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.7	01/29/20 11:32	
Ethylbenzene	ug/L	ND	1.0	0.26	01/29/20 11:32	
m&p-Xylene	ug/L	ND	2.0	0.41	01/29/20 11:32	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.28	01/29/20 11:32	
Naphthalene	ug/L	ND	1.0	0.35	01/29/20 11:32	
o-Xylene	ug/L	ND	1.0	0.22	01/29/20 11:32	
tert-Amyl Alcohol	ug/L	ND	100	53.9	01/29/20 11:32	
tert-Amylmethyl ether	ug/L	ND	10.0	3.5	01/29/20 11:32	
tert-Butyl Alcohol	ug/L	ND	100	27.3	01/29/20 11:32	
tert-Butyl Formate	ug/L	ND	50.0	24.7	01/29/20 11:32	
Toluene	ug/L	ND	1.0	0.24	01/29/20 11:32	
Xylene (Total)	ug/L	ND	1.0	0.63	01/29/20 11:32	
1,2-Dichloroethane-d4 (S)	%	85	70-130		01/29/20 11:32	
4-Bromofluorobenzene (S)	%	100	70-130		01/29/20 11:32	
Toluene-d8 (S)	%	102	70-130		01/29/20 11:32	

LABORATORY CONTROL SAMPLE: 2792487

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	45.1	90	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1000	100	70-130	
Benzene	ug/L	50	52.2	104	70-130	
Diisopropyl ether	ug/L	50	48.2	96	70-130	
Ethanol	ug/L	2000	1960	98	70-130	
Ethyl-tert-butyl ether	ug/L	100	94.7	95	70-130	
Ethylbenzene	ug/L	50	49.5	99	70-130	
m&p-Xylene	ug/L	100	98.3	98	70-130	
Methyl-tert-butyl ether	ug/L	50	53.4	107	70-130	
Naphthalene	ug/L	50	52.2	104	70-130	
o-Xylene	ug/L	50	49.0	98	70-130	
tert-Amyl Alcohol	ug/L	1000	1030	103	70-130	
tert-Amylmethyl ether	ug/L	100	98.8	99	70-130	
tert-Butyl Alcohol	ug/L	500	439	88	70-130	
tert-Butyl Formate	ug/L	400	429	107	70-130	
Toluene	ug/L	50	49.2	98	70-130	

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QUALITY CONTROL DATA

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

LABORATORY CONTROL SAMPLE: 2792487

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	147	98	70-130	
1,2-Dichloroethane-d4 (S)	%			91	70-130	
4-Bromofluorobenzene (S)	%			95	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE SAMPLE: 2792489

Parameter	Units	92462358002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	19.5	97	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	336	84	39-157	
Benzene	ug/L	ND	20	23.3	117	70-151	
Diisopropyl ether	ug/L	ND	20	18.7	94	63-144	
Ethanol	ug/L	ND	800	865	108	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	35.6	89	66-137	
Ethylbenzene	ug/L	ND	20	22.3	111	66-153	
m&p-Xylene	ug/L	ND	40	46.4	116	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	20.9	105	54-156	
Naphthalene	ug/L	ND	20	19.8	99	61-148	
o-Xylene	ug/L	ND	20	23.3	116	70-148	
tert-Amyl Alcohol	ug/L	ND	400	345	86	54-153	
tert-Amylmethyl ether	ug/L	ND	40	38.4	96	69-139	
tert-Butyl Alcohol	ug/L	ND	200	172	86	43-188	
tert-Butyl Formate	ug/L	ND	160	136	85	10-170	
Toluene	ug/L	ND	20	22.3	111	59-148	
Xylene (Total)	ug/L	ND	60	69.6	116	63-158	
1,2-Dichloroethane-d4 (S)	%				93	70-130	
4-Bromofluorobenzene (S)	%				100	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 2792488

Parameter	Units	92462358001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

SAMPLE DUPLICATE: 2792488

Parameter	Units	92462358001 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	88	85			
4-Bromofluorobenzene (S)	%	103	101			
Toluene-d8 (S)	%	105	104			

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QUALITY CONTROL DATA

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

QC Batch: 522069 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV SC
Associated Lab Samples: 92462408002, 92462408003, 92462408006, 92462408007

METHOD BLANK: 2792537 Matrix: Water
Associated Lab Samples: 92462408002, 92462408003, 92462408006, 92462408007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	01/29/20 14:58	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	01/29/20 14:58	
Benzene	ug/L	ND	5.0	1.7	01/29/20 14:58	
Diisopropyl ether	ug/L	ND	5.0	3.5	01/29/20 14:58	
Ethanol	ug/L	ND	200	144	01/29/20 14:58	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	01/29/20 14:58	
Ethylbenzene	ug/L	ND	5.0	1.8	01/29/20 14:58	
m&p-Xylene	ug/L	ND	10.0	4.1	01/29/20 14:58	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	01/29/20 14:58	
Naphthalene	ug/L	ND	5.0	2.1	01/29/20 14:58	
o-Xylene	ug/L	ND	5.0	2.0	01/29/20 14:58	
tert-Amyl Alcohol	ug/L	ND	100	65.6	01/29/20 14:58	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	01/29/20 14:58	
tert-Butyl Alcohol	ug/L	ND	100	91.0	01/29/20 14:58	
tert-Butyl Formate	ug/L	ND	50.0	24.1	01/29/20 14:58	
Toluene	ug/L	ND	5.0	2.0	01/29/20 14:58	
Xylene (Total)	ug/L	ND	5.0	5.0	01/29/20 14:58	
1,2-Dichloroethane-d4 (S)	%	100	70-130		01/29/20 14:58	
4-Bromofluorobenzene (S)	%	103	70-130		01/29/20 14:58	
Toluene-d8 (S)	%	99	70-130		01/29/20 14:58	

LABORATORY CONTROL SAMPLE: 2792538

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	55.9	112	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1030	103	70-130	
Benzene	ug/L	50	55.6	111	70-130	
Diisopropyl ether	ug/L	50	59.5	119	70-130	
Ethanol	ug/L	2000	2180	109	70-130	
Ethyl-tert-butyl ether	ug/L	100	112	112	70-130	
Ethylbenzene	ug/L	50	49.9	100	70-130	
m&p-Xylene	ug/L	100	101	101	70-130	
Methyl-tert-butyl ether	ug/L	50	56.9	114	70-130	
Naphthalene	ug/L	50	52.9	106	70-130	
o-Xylene	ug/L	50	50.2	100	70-130	
tert-Amyl Alcohol	ug/L	1000	974	97	70-130	
tert-Amylmethyl ether	ug/L	100	107	107	70-130	
tert-Butyl Alcohol	ug/L	500	513	103	70-130	
tert-Butyl Formate	ug/L	400	366	91	70-130	
Toluene	ug/L	50	52.4	105	70-130	

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QUALITY CONTROL DATA

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

LABORATORY CONTROL SAMPLE: 2792538

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	151	100	70-130	
1,2-Dichloroethane-d4 (S)	%			104	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2792539 2792540

Parameter	Units	92462327003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	18.6	20.1	93	100	70-137	8	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	379	452	95	113	39-157	17	30	
Benzene	ug/L	ND	20	20	19.4	21.0	97	105	70-151	8	30	
Diisopropyl ether	ug/L	ND	20	20	19.0	20.0	95	100	63-144	5	30	
Ethanol	ug/L	ND	800	800	719	814	90	102	39-176	12	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	35.5	38.0	89	95	66-137	7	30	
Ethylbenzene	ug/L	ND	20	20	19.9	20.8	99	104	66-153	5	30	
m&p-Xylene	ug/L	ND	40	40	39.9	41.6	100	104	69-152	4	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	18.6	20.3	93	101	54-156	9	30	
Naphthalene	ug/L	ND	20	20	19.7	21.0	98	105	61-148	7	30	
o-Xylene	ug/L	ND	20	20	20.0	20.6	100	103	70-148	3	30	
tert-Amyl Alcohol	ug/L	ND	400	400	390	456	98	114	54-153	16	30	
tert-Amylmethyl ether	ug/L	ND	40	40	38.4	40.8	96	102	69-139	6	30	
tert-Butyl Alcohol	ug/L	ND	200	200	215	250	107	125	43-188	15	30	
tert-Butyl Formate	ug/L	ND	160	160	70.2	55.7	44	35	10-170	23	30	
Toluene	ug/L	ND	20	20	19.5	20.7	97	103	59-148	6	30	
Xylene (Total)	ug/L	ND	60	60	59.9	62.3	100	104	63-158	4	30	
1,2-Dichloroethane-d4 (S)	%						99	102	70-130			
4-Bromofluorobenzene (S)	%						98	99	70-130			
Toluene-d8 (S)	%						99	101	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

QC Batch: 522071 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV SC
Associated Lab Samples: 92462408001, 92462408013, 92462408014, 92462408050, 92462408051, 92462408058, 92462408059, 92462408060

METHOD BLANK: 2792551 Matrix: Water
Associated Lab Samples: 92462408001, 92462408013, 92462408014, 92462408050, 92462408051, 92462408058, 92462408059, 92462408060

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	01/29/20 14:52	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	01/29/20 14:52	
Benzene	ug/L	ND	5.0	1.7	01/29/20 14:52	
Diisopropyl ether	ug/L	ND	5.0	3.5	01/29/20 14:52	
Ethanol	ug/L	ND	200	144	01/29/20 14:52	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	01/29/20 14:52	
Ethylbenzene	ug/L	ND	5.0	1.8	01/29/20 14:52	
m&p-Xylene	ug/L	ND	10.0	4.1	01/29/20 14:52	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	01/29/20 14:52	
Naphthalene	ug/L	ND	5.0	2.1	01/29/20 14:52	
o-Xylene	ug/L	ND	5.0	2.0	01/29/20 14:52	
tert-Amyl Alcohol	ug/L	ND	100	65.6	01/29/20 14:52	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	01/29/20 14:52	
tert-Butyl Alcohol	ug/L	ND	100	91.0	01/29/20 14:52	
tert-Butyl Formate	ug/L	ND	50.0	24.1	01/29/20 14:52	
Toluene	ug/L	ND	5.0	2.0	01/29/20 14:52	
Xylene (Total)	ug/L	ND	5.0	5.0	01/29/20 14:52	
1,2-Dichloroethane-d4 (S)	%	96	70-130		01/29/20 14:52	
4-Bromofluorobenzene (S)	%	99	70-130		01/29/20 14:52	
Toluene-d8 (S)	%	103	70-130		01/29/20 14:52	

LABORATORY CONTROL SAMPLE: 2792552

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	48.3	97	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1110	111	70-130	
Benzene	ug/L	50	50.3	101	70-130	
Diisopropyl ether	ug/L	50	52.2	104	70-130	
Ethanol	ug/L	2000	1930	97	70-130	
Ethyl-tert-butyl ether	ug/L	100	96.5	97	70-130	
Ethylbenzene	ug/L	50	50.7	101	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	51.7	103	70-130	
Naphthalene	ug/L	50	55.7	111	70-130	
o-Xylene	ug/L	50	51.3	103	70-130	
tert-Amyl Alcohol	ug/L	1000	1080	108	70-130	
tert-Amylmethyl ether	ug/L	100	105	105	70-130	
tert-Butyl Alcohol	ug/L	500	470	94	70-130	

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QUALITY CONTROL DATA

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

LABORATORY CONTROL SAMPLE: 2792552

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Formate	ug/L	400	418	104	70-130	
Toluene	ug/L	50	50.7	101	70-130	
Xylene (Total)	ug/L	150	153	102	70-130	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2792553 2792554

Parameter	Units	92462408013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	19.2	19.7	96	99	70-137	3	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	425	424	106	106	39-157	0	30	
Benzene	ug/L	ND	20	20	20.2	20.5	101	103	70-151	1	30	
Diisopropyl ether	ug/L	ND	20	20	19.0	19.9	95	100	63-144	5	30	
Ethanol	ug/L	ND	800	800	755	760	94	95	39-176	1	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	35.4	37.3	88	93	66-137	5	30	
Ethylbenzene	ug/L	ND	20	20	20.3	20.7	101	104	66-153	2	30	
m&p-Xylene	ug/L	ND	40	40	41.3	42.6	103	107	69-152	3	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	19.1	19.7	96	99	54-156	3	30	
Naphthalene	ug/L	ND	20	20	20.8	20.9	104	105	61-148	1	30	
o-Xylene	ug/L	ND	20	20	20.1	21.1	101	105	70-148	5	30	
tert-Amyl Alcohol	ug/L	ND	400	400	417	421	104	105	54-153	1	30	
tert-Amylmethyl ether	ug/L	ND	40	40	39.2	40.3	98	101	69-139	3	30	
tert-Butyl Alcohol	ug/L	ND	200	200	205	224	102	112	43-188	9	30	
tert-Butyl Formate	ug/L	ND	160	160	108	107	68	67	10-170	1	30	
Toluene	ug/L	ND	20	20	20.6	20.7	102	102	59-148	0	30	
Xylene (Total)	ug/L	ND	60	60	61.4	63.7	102	106	63-158	4	30	
1,2-Dichloroethane-d4 (S)	%						101	100	70-130			
4-Bromofluorobenzene (S)	%						100	100	70-130			
Toluene-d8 (S)	%						102	99	70-130			

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QUALITY CONTROL DATA

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

QC Batch: 522091
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV SC
Associated Lab Samples: 92462408015, 92462408016, 92462408017, 92462408020, 92462408021, 92462408022, 92462408023, 92462408024, 92462408025, 92462408026, 92462408027, 92462408028, 92462408029, 92462408039, 92462408040, 92462408041, 92462408042, 92462408043, 92462408044, 92462408045

METHOD BLANK: 2792631
Matrix: Water
Associated Lab Samples: 92462408015, 92462408016, 92462408017, 92462408020, 92462408021, 92462408022, 92462408023, 92462408024, 92462408025, 92462408026, 92462408027, 92462408028, 92462408029, 92462408039, 92462408040, 92462408041, 92462408042, 92462408043, 92462408044, 92462408045

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	01/30/20 17:10	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	01/30/20 17:10	
Benzene	ug/L	ND	5.0	1.7	01/30/20 17:10	
Diisopropyl ether	ug/L	ND	5.0	3.5	01/30/20 17:10	
Ethanol	ug/L	ND	200	144	01/30/20 17:10	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	01/30/20 17:10	
Ethylbenzene	ug/L	ND	5.0	1.8	01/30/20 17:10	
m&p-Xylene	ug/L	ND	10.0	4.1	01/30/20 17:10	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	01/30/20 17:10	
Naphthalene	ug/L	ND	5.0	2.1	01/30/20 17:10	
o-Xylene	ug/L	ND	5.0	2.0	01/30/20 17:10	
tert-Amyl Alcohol	ug/L	ND	100	65.6	01/30/20 17:10	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	01/30/20 17:10	
tert-Butyl Alcohol	ug/L	ND	100	91.0	01/30/20 17:10	
tert-Butyl Formate	ug/L	ND	50.0	24.1	01/30/20 17:10	
Toluene	ug/L	ND	5.0	2.0	01/30/20 17:10	
Xylene (Total)	ug/L	ND	5.0	5.0	01/30/20 17:10	
1,2-Dichloroethane-d4 (S)	%	101	70-130		01/30/20 17:10	
4-Bromofluorobenzene (S)	%	101	70-130		01/30/20 17:10	
Toluene-d8 (S)	%	101	70-130		01/30/20 17:10	

LABORATORY CONTROL SAMPLE: 2792637

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	49.7	99	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1040	104	70-130	
Benzene	ug/L	50	50.9	102	70-130	
Diisopropyl ether	ug/L	50	51.7	103	70-130	
Ethanol	ug/L	2000	1910	95	70-130	
Ethyl-tert-butyl ether	ug/L	100	97.5	98	70-130	
Ethylbenzene	ug/L	50	49.0	98	70-130	
m&p-Xylene	ug/L	100	98.8	99	70-130	
Methyl-tert-butyl ether	ug/L	50	51.1	102	70-130	
Naphthalene	ug/L	50	52.5	105	70-130	
o-Xylene	ug/L	50	49.6	99	70-130	
tert-Amyl Alcohol	ug/L	1000	963	96	70-130	

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QUALITY CONTROL DATA

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

LABORATORY CONTROL SAMPLE: 2792637

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Amylmethyl ether	ug/L	100	103	103	70-130	
tert-Butyl Alcohol	ug/L	500	466	93	70-130	
tert-Butyl Formate	ug/L	400	468	117	70-130	
Toluene	ug/L	50	49.6	99	70-130	
Xylene (Total)	ug/L	150	148	99	70-130	
1,2-Dichloroethane-d4 (S)	%			106	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2792638 2792639

Parameter	Units	92462408043 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	4000	4000	4580	4340	114	108	70-137	5	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	80000	80000	94700	90700	118	113	39-157	4	30	
Benzene	ug/L	5620	4000	4000	10200	9910	115	107	70-151	3	30	
Diisopropyl ether	ug/L	ND	4000	4000	4230	4220	106	105	63-144	0	30	
Ethanol	ug/L	ND	160000	160000	182000	168000	114	105	39-176	8	30	
Ethyl-tert-butyl ether	ug/L	ND	8000	8000	8040	8070	100	101	66-137	0	30	
Ethylbenzene	ug/L	3010	4000	4000	7520	7150	113	104	66-153	5	30	
m&p-Xylene	ug/L	14200	8000	8000	23700	22000	119	98	69-152	7	30	
Methyl-tert-butyl ether	ug/L	ND	4000	4000	4360	4140	109	103	54-156	5	30	
Naphthalene	ug/L	579J	4000	4000	5210	5100	116	113	61-148	2	30	
o-Xylene	ug/L	6850	4000	4000	11600	10900	119	102	70-148	6	30	
tert-Amyl Alcohol	ug/L	ND	80000	80000	87200	86100	109	108	54-153	1	30	
tert-Amylmethyl ether	ug/L	ND	8000	8000	8090	8460	101	106	69-139	5	30	
tert-Butyl Alcohol	ug/L	ND	40000	40000	42300	40400	106	101	43-188	5	30	
tert-Butyl Formate	ug/L	ND	32000	32000	39000	38100	122	119	10-170	2	30	
Toluene	ug/L	35000	4000	4000	37500	37200	63	56	59-148	1	30	M1
Xylene (Total)	ug/L	21000	12000	12000	35300	32900	119	99	63-158	7	30	
1,2-Dichloroethane-d4 (S)	%						110	104	70-130			
4-Bromofluorobenzene (S)	%						105	101	70-130			
Toluene-d8 (S)	%						99	100	70-130			

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QUALITY CONTROL DATA

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

QC Batch: 522283 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV SC
Associated Lab Samples: 92462408004, 92462408005, 92462408010, 92462408011, 92462408012, 92462408018, 92462408019, 92462408031, 92462408032

METHOD BLANK: 2793466 Matrix: Water
Associated Lab Samples: 92462408004, 92462408005, 92462408010, 92462408011, 92462408012, 92462408018, 92462408019, 92462408031, 92462408032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	01/31/20 04:44	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	01/31/20 04:44	
Benzene	ug/L	ND	5.0	1.7	01/31/20 04:44	
Diisopropyl ether	ug/L	ND	5.0	3.5	01/31/20 04:44	
Ethanol	ug/L	ND	200	144	01/31/20 04:44	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	01/31/20 04:44	
Ethylbenzene	ug/L	ND	5.0	1.8	01/31/20 04:44	
m&p-Xylene	ug/L	ND	10.0	4.1	01/31/20 04:44	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	01/31/20 04:44	
Naphthalene	ug/L	ND	5.0	2.1	01/31/20 04:44	
o-Xylene	ug/L	ND	5.0	2.0	01/31/20 04:44	
tert-Amyl Alcohol	ug/L	ND	100	65.6	01/31/20 04:44	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	01/31/20 04:44	
tert-Butyl Alcohol	ug/L	ND	100	91.0	01/31/20 04:44	
tert-Butyl Formate	ug/L	ND	50.0	24.1	01/31/20 04:44	
Toluene	ug/L	ND	5.0	2.0	01/31/20 04:44	
Xylene (Total)	ug/L	ND	5.0	5.0	01/31/20 04:44	
1,2-Dichloroethane-d4 (S)	%	101	70-130		01/31/20 04:44	
4-Bromofluorobenzene (S)	%	104	70-130		01/31/20 04:44	
Toluene-d8 (S)	%	104	70-130		01/31/20 04:44	

LABORATORY CONTROL SAMPLE: 2793467

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	50.6	101	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1150	115	70-130	
Benzene	ug/L	50	50.2	100	70-130	
Diisopropyl ether	ug/L	50	52.1	104	70-130	
Ethanol	ug/L	2000	2030	102	70-130	
Ethyl-tert-butyl ether	ug/L	100	99.4	99	70-130	
Ethylbenzene	ug/L	50	49.6	99	70-130	
m&p-Xylene	ug/L	100	99.8	100	70-130	
Methyl-tert-butyl ether	ug/L	50	52.0	104	70-130	
Naphthalene	ug/L	50	55.1	110	70-130	
o-Xylene	ug/L	50	50.4	101	70-130	
tert-Amyl Alcohol	ug/L	1000	1100	110	70-130	
tert-Amylmethyl ether	ug/L	100	104	104	70-130	
tert-Butyl Alcohol	ug/L	500	514	103	70-130	

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QUALITY CONTROL DATA

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

LABORATORY CONTROL SAMPLE: 2793467

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Formate	ug/L	400	472	118	70-130	
Toluene	ug/L	50	49.8	100	70-130	
Xylene (Total)	ug/L	150	150	100	70-130	
1,2-Dichloroethane-d4 (S)	%			110	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2793468 2793469

Parameter	Units	92462408011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	500	500	505	514	101	103	70-137	2	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	10000	10000	11100	11400	111	114	39-157	3	30	
Benzene	ug/L	154	500	500	681	688	105	107	70-151	1	30	
Diisopropyl ether	ug/L	ND	500	500	497	505	99	101	63-144	2	30	
Ethanol	ug/L	ND	20000	20000	21200	20900	106	104	39-176	1	30	
Ethyl-tert-butyl ether	ug/L	ND	1000	1000	953	955	95	96	66-137	0	30	
Ethylbenzene	ug/L	427	500	500	947	972	104	109	66-153	3	30	
m&p-Xylene	ug/L	4200	1000	1000	5190	5340	99	115	69-152	3	30	
Methyl-tert-butyl ether	ug/L	ND	500	500	501	504	100	101	54-156	1	30	
Naphthalene	ug/L	276	500	500	792	803	103	105	61-148	1	30	
o-Xylene	ug/L	2340	500	500	2840	2950	101	123	70-148	4	30	
tert-Amyl Alcohol	ug/L	ND	10000	10000	11100	11100	111	111	54-153	0	30	
tert-Amylmethyl ether	ug/L	ND	1000	1000	1040	1050	104	105	69-139	1	30	
tert-Butyl Alcohol	ug/L	ND	5000	5000	6030	6200	121	124	43-188	3	30	
tert-Butyl Formate	ug/L	ND	4000	4000	2080	2190	52	55	10-170	5	30	
Toluene	ug/L	1860	500	500	2430	2420	113	111	59-148	0	30	
Xylene (Total)	ug/L	6540	1500	1500	8030	8300	100	117	63-158	3	30	
1,2-Dichloroethane-d4 (S)	%						104	104	70-130			
4-Bromofluorobenzene (S)	%						99	101	70-130			
Toluene-d8 (S)	%						101	100	70-130			

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QUALITY CONTROL DATA

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

QC Batch: 522286 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV SC
Associated Lab Samples: 92462408033, 92462408034, 92462408035, 92462408048

METHOD BLANK: 2793474 Matrix: Water
Associated Lab Samples: 92462408033, 92462408034, 92462408035, 92462408048

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	01/31/20 05:02	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	01/31/20 05:02	
Benzene	ug/L	ND	5.0	1.7	01/31/20 05:02	
Diisopropyl ether	ug/L	ND	5.0	3.5	01/31/20 05:02	
Ethanol	ug/L	ND	200	144	01/31/20 05:02	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	01/31/20 05:02	
Ethylbenzene	ug/L	ND	5.0	1.8	01/31/20 05:02	
m&p-Xylene	ug/L	ND	10.0	4.1	01/31/20 05:02	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	01/31/20 05:02	
Naphthalene	ug/L	ND	5.0	2.1	01/31/20 05:02	
o-Xylene	ug/L	ND	5.0	2.0	01/31/20 05:02	
tert-Amyl Alcohol	ug/L	ND	100	65.6	01/31/20 05:02	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	01/31/20 05:02	
tert-Butyl Alcohol	ug/L	ND	100	91.0	01/31/20 05:02	
tert-Butyl Formate	ug/L	ND	50.0	24.1	01/31/20 05:02	
Toluene	ug/L	ND	5.0	2.0	01/31/20 05:02	
Xylene (Total)	ug/L	ND	5.0	5.0	01/31/20 05:02	
1,2-Dichloroethane-d4 (S)	%	100	70-130		01/31/20 05:02	
4-Bromofluorobenzene (S)	%	103	70-130		01/31/20 05:02	
Toluene-d8 (S)	%	103	70-130		01/31/20 05:02	

LABORATORY CONTROL SAMPLE: 2793475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	50.5	101	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1110	111	70-130	
Benzene	ug/L	50	49.8	100	70-130	
Diisopropyl ether	ug/L	50	51.6	103	70-130	
Ethanol	ug/L	2000	1890	94	70-130	
Ethyl-tert-butyl ether	ug/L	100	99.0	99	70-130	
Ethylbenzene	ug/L	50	49.8	100	70-130	
m&p-Xylene	ug/L	100	101	101	70-130	
Methyl-tert-butyl ether	ug/L	50	51.7	103	70-130	
Naphthalene	ug/L	50	55.1	110	70-130	
o-Xylene	ug/L	50	50.9	102	70-130	
tert-Amyl Alcohol	ug/L	1000	1050	105	70-130	
tert-Amylmethyl ether	ug/L	100	103	103	70-130	
tert-Butyl Alcohol	ug/L	500	498	100	70-130	
tert-Butyl Formate	ug/L	400	500	125	70-130	
Toluene	ug/L	50	49.2	98	70-130	

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QUALITY CONTROL DATA

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

LABORATORY CONTROL SAMPLE: 2793475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	152	101	70-130	
1,2-Dichloroethane-d4 (S)	%			110	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2793476 2793477

Parameter	Units	92462408035 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	2000	2000	2120	2040	106	102	70-137	4	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	40000	40000	46000	42800	115	107	39-157	7	30	
Benzene	ug/L	3660	2000	2000	5880	5670	111	101	70-151	4	30	
Diisopropyl ether	ug/L	ND	2000	2000	2080	2050	104	103	63-144	1	30	
Ethanol	ug/L	ND	80000	80000	87500	78700	109	98	39-176	11	30	
Ethyl-tert-butyl ether	ug/L	ND	4000	4000	3990	3890	100	97	66-137	2	30	
Ethylbenzene	ug/L	1980	2000	2000	4100	3990	106	101	66-153	3	30	
m&p-Xylene	ug/L	7280	4000	4000	11500	11200	105	98	69-152	3	30	
Methyl-tert-butyl ether	ug/L	ND	2000	2000	2100	2010	105	100	54-156	4	30	
Naphthalene	ug/L	273J	2000	2000	2440	2400	108	106	61-148	2	30	
o-Xylene	ug/L	2950	2000	2000	5130	4980	109	102	70-148	3	30	
tert-Amyl Alcohol	ug/L	ND	40000	40000	50700	47500	127	119	54-153	7	30	
tert-Amylmethyl ether	ug/L	ND	4000	4000	4240	4170	106	104	69-139	2	30	
tert-Butyl Alcohol	ug/L	ND	20000	20000	22300	20800	112	104	43-188	7	30	
tert-Butyl Formate	ug/L	ND	16000	16000	15000	15500	93	97	10-170	3	30	
Toluene	ug/L	16200	2000	2000	17900	17600	83	69	59-148	2	30	
Xylene (Total)	ug/L	10200	6000	6000	16600	16200	107	99	63-158	3	30	
1,2-Dichloroethane-d4 (S)	%						106	104	70-130			
4-Bromofluorobenzene (S)	%						102	100	70-130			
Toluene-d8 (S)	%						101	101	70-130			

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QUALITY CONTROL DATA

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

QC Batch: 522289 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV SC
Associated Lab Samples: 92462408008, 92462408009, 92462408030, 92462408036, 92462408037, 92462408038, 92462408046, 92462408047, 92462408049

METHOD BLANK: 2793493 Matrix: Water
Associated Lab Samples: 92462408008, 92462408009, 92462408030, 92462408036, 92462408037, 92462408038, 92462408046, 92462408047, 92462408049

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	01/30/20 12:04	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	01/30/20 12:04	
Benzene	ug/L	ND	5.0	1.7	01/30/20 12:04	
Diisopropyl ether	ug/L	ND	5.0	3.5	01/30/20 12:04	
Ethanol	ug/L	ND	200	144	01/30/20 12:04	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	01/30/20 12:04	
Ethylbenzene	ug/L	ND	5.0	1.8	01/30/20 12:04	
m&p-Xylene	ug/L	ND	10.0	4.1	01/30/20 12:04	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	01/30/20 12:04	
Naphthalene	ug/L	ND	5.0	2.1	01/30/20 12:04	
o-Xylene	ug/L	ND	5.0	2.0	01/30/20 12:04	
tert-Amyl Alcohol	ug/L	ND	100	65.6	01/30/20 12:04	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	01/30/20 12:04	
tert-Butyl Alcohol	ug/L	ND	100	91.0	01/30/20 12:04	
tert-Butyl Formate	ug/L	ND	50.0	24.1	01/30/20 12:04	
Toluene	ug/L	ND	5.0	2.0	01/30/20 12:04	
Xylene (Total)	ug/L	ND	5.0	5.0	01/30/20 12:04	
1,2-Dichloroethane-d4 (S)	%	85	70-130		01/30/20 12:04	
4-Bromofluorobenzene (S)	%	104	70-130		01/30/20 12:04	
Toluene-d8 (S)	%	104	70-130		01/30/20 12:04	

LABORATORY CONTROL SAMPLE: 2793494

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	45.7	91	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	931	93	70-130	
Benzene	ug/L	50	52.6	105	70-130	
Diisopropyl ether	ug/L	50	51.7	103	70-130	
Ethanol	ug/L	2000	1950	98	70-130	
Ethyl-tert-butyl ether	ug/L	100	98.6	99	70-130	
Ethylbenzene	ug/L	50	49.2	98	70-130	
m&p-Xylene	ug/L	100	101	101	70-130	
Methyl-tert-butyl ether	ug/L	50	55.3	111	70-130	
Naphthalene	ug/L	50	48.9	98	70-130	
o-Xylene	ug/L	50	50.0	100	70-130	
tert-Amyl Alcohol	ug/L	1000	1010	101	70-130	
tert-Amylmethyl ether	ug/L	100	101	101	70-130	
tert-Butyl Alcohol	ug/L	500	439	88	70-130	

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QUALITY CONTROL DATA

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

LABORATORY CONTROL SAMPLE: 2793494

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Formate	ug/L	400	428	107	70-130	
Toluene	ug/L	50	48.9	98	70-130	
Xylene (Total)	ug/L	150	150	100	70-130	
1,2-Dichloroethane-d4 (S)	%			86	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2793495 2793496

Parameter	Units	92462362001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	2000	2000	2070	2150	96	100	70-137	4	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	40000	40000	35100	34600	88	87	39-157	1	30	
Benzene	ug/L	2010	2000	2000	4470	5190	123	159	70-151	15	30	M1
Diisopropyl ether	ug/L	ND	2000	2000	1980	2060	99	103	63-144	4	30	
Ethanol	ug/L	ND	80000	80000	82400	80900	103	101	39-176	2	30	
Ethyl-tert-butyl ether	ug/L	ND	4000	4000	3800	3870	95	97	66-137	2	30	
Ethylbenzene	ug/L	267J	2000	2000	2490	2550	111	114	66-153	2	30	
m&p-Xylene	ug/L	4440	4000	4000	8910	10000	112	139	69-152	12	30	
Methyl-tert-butyl ether	ug/L	ND	2000	2000	2210	2250	109	111	54-156	2	30	
Naphthalene	ug/L	ND	2000	2000	2240	2260	104	105	61-148	1	30	
o-Xylene	ug/L	2420	2000	2000	4690	5290	114	144	70-148	12	30	
tert-Amyl Alcohol	ug/L	ND	40000	40000	41400	41900	104	105	54-153	1	30	
tert-Amylmethyl ether	ug/L	ND	4000	4000	3990	4150	100	104	69-139	4	30	
tert-Butyl Alcohol	ug/L	ND	20000	20000	17700	17200	89	86	43-188	3	30	
tert-Butyl Formate	ug/L	ND	16000	16000	15200	15200	95	95	10-170	0	30	
Toluene	ug/L	11100	2000	2000	12600	15700	76	233	59-148	22	30	M1
Xylene (Total)	ug/L	6860	6000	6000	13600	15300	112	141	63-158	12	30	
1,2-Dichloroethane-d4 (S)	%						93	92	70-130			
4-Bromofluorobenzene (S)	%						101	99	70-130			
Toluene-d8 (S)	%						97	97	70-130			

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QUALITY CONTROL DATA

Project: HQ Heath Self Serve 2 (60158)
Pace Project No.: 92462408

QC Batch: 522005 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92462408001, 92462408002, 92462408003, 92462408004, 92462408005, 92462408006, 92462408007, 92462408008, 92462408009, 92462408010, 92462408011, 92462408012, 92462408013, 92462408014, 92462408015, 92462408016

METHOD BLANK: 2792155 Matrix: Water
Associated Lab Samples: 92462408001, 92462408002, 92462408003, 92462408004, 92462408005, 92462408006, 92462408007, 92462408008, 92462408009, 92462408010, 92462408011, 92462408012, 92462408013, 92462408014, 92462408015, 92462408016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.011	01/29/20 15:31	
1-Chloro-2-bromopropane (S)	%	105	60-140		01/29/20 15:31	

LABORATORY CONTROL SAMPLE & LCSD: 2792156 2792157

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.25	0.26	0.24	104	99	60-140	6	20	
1-Chloro-2-bromopropane (S)	%				108	100	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2792159 2792160

Parameter	Units	92462408002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	0.25	0.25	0.33	0.35	133	140	60-140	5	20	
1-Chloro-2-bromopropane (S)	%						114	117	60-140			

SAMPLE DUPLICATE: 2792158

Parameter	Units	92462408001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.38	0.29	27	20	D6
1-Chloro-2-bromopropane (S)	%	112	112			

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