

GROUNDWATER SAMPLING LOG

SITE NAME: <u>Coastal 76</u>	SITE LOCATION: <u>Florence, SC</u>	DATE: <u>12-3-14</u>
WELL NO: <u>MW-17</u>	SAMPLE ID: <u>03538-MW17</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2</u>	Total Well Depth (feet): <u>21</u>	WELL SCREEN INTERVAL DEPTH: <u>1</u> feet to <u>21</u> feet	STATIC DEPTH TO WATER (feet): <u>11.92</u>	PURGE PUMP TYPE OR BAILER: <u>RFPP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (<u>21</u> feet - <u>11.92</u> feet) X <u>0.16</u> gallons/foot = <u>1.45</u> gallons				

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	TEMP. (°C)	A	pH (su)	A	COND. (µS)	A	DO (mg/L)	A	TURBIDITY (NTU)	A	COLOR	ODOR
1350	—	—	21.8	—	6.8	—	101	—	1.4	—	342	—	clay	Slight
1403	1.0	1.0	21.6	0.2	6.6	0.2	88	13			319	503		
1414	1.0	2.0	21.6	0	6.6	0	76	12			101	218	↓	
1421	0.5	2.5	21.5	0.1	6.7	0.1	74	2			62	37	clay	
1438	1.5	4.0	21.5	0	6.7	0	73	1			14	48	cur	
1446	0.5	4.5	21.4	0.1	6.7	0	71	2			12	2	↓	
1500	0.5	5.0	21.5	0.1	6.7	0	70	1			10	2	↓	↓

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

SAMPLING DATA

SAMPLED BY (PRINT): <u>Daniel Burch</u>				SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>			SAMPLING DATE: <u>12/3/14</u>		SAMPLING TIME: <u>1500</u>		
PUMP OR TUBING DEPTH IN WELL (feet): <u>18</u>				TUBING MATERIAL CODE: <u>PE</u>			FIELD-FILTERED: <u>Y</u> ☒ <u>N</u> ☐		FILTER SIZE: <u> </u>		
DUPLICATE COLLECTED: <u>Y</u> ☒ <u>N</u> ☐											

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml/min)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (ml)	FINAL pH			
	3	CG	40 ml	HCL	/	/	8260B	RFPP	/
	3	CG	40 ml	HCL	/	/	8011	↓	/
	1	PE	250 ml	HNO3	/	/	8010	↓	/

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

STABILIZATION CRITERIA

pH: ±0.2 units Temperature: ±0.2 °C Specific Conductance: ±5% Dissolved Oxygen: ±0.2 mg/L or ±10% Turbidity: ≤ 10 NTU or ±10%

scr 11-21 5nd 9-21 bnt 7-9 5th 0-7

GROUNDWATER SAMPLING LOG

SITE NAME: Coastal 76		SITE LOCATION: 03538-Mw18 Florence, SC	
WELL NO: mw-18	SAMPLE ID: 03538-Mw18		DATE: 12-3-14

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) Daniel Burch				SAMPLER(S) SIGNATURE(S) <i>DB</i>			SAMPLING DATE: 12/3/14		SAMPLING TIME: 1650		
PUMP OR TUBING DEPTH IN WELL (feet): 18				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N ☐ Filtration Equipment Type:		FILTER SIZE:		
DUPLICATE COLLECTED: Y ☒ N ☐											
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml/min)		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	3	CG	40 ml	HCL	/	/	8260B	RFPF ↓	/		
	3	CG	40 ml	HCL	/	/	8011				
	1	PE	250 ml	HNO3	/	/	6010				
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = Aiter Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

STABILIZATION CRITERIA

pH: +0.2 units **Temperature:** +0.2 °C **Specific Conductance:** +5% **Dissolved Oxygen:** +0.2 mg/L or +10% **Turbidity:** ≤ 10 NTU or +10%

scr 11-21 3rd 9-21 bnt 7-9 5rt 0-7

GROUNDWATER SAMPLING LOG

SITE NAME: Coastal F6		SITE LOCATION:	
WELL NO: MW-19	SAMPLE ID: 03538-MW19	DATE: 12-7-14	

17.02 tgd

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) Daniel Burch				SAMPLER(S) SIGNATURE(S): RB			SAMPLING DATE: 12/3/14		SAMPLING TIME: 1430	
PUMP OR TUBING DEPTH IN WELL (feet): 12				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N ☐		FILTER SIZE: Filtration Equipment Type: 0	
DUPLICATE COLLECTED: Y ☒ N ☐										
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml/min)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	3	CG	40 ml	HCL	/	/	8260B	RFPP	/	
	3	CG	40 ml	HCL	/	/	8011	↓	/	
	1	PE	250 ml	HNO3	/	/	6010		/	
REMARKS:										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

STABILIZATION CRITERIA

pH: +0.2 units **Temperature:** +0.2 °C **Specific Conductance:** +5% **Dissolved Oxygen:** +0.2 mg/L or +10% **Turbidity:** < 10 NTU or +10%

scr 3-13 snd 2-13 bnt 1-2 grt 0-1

GROUNDWATER SAMPLING LOG

SITE NAME: Coastal 76		SITE LOCATION: Florence, SC	
WELL NO: MW-20	SAMPLE ID: 03538-MW20	DATE: 12-3-14	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) Daniel Burch				SAMPLER(S) SIGNATURE(S) <i>[Signature]</i>			SAMPLING DATE: 12/3/14		SAMPLING TIME: 1445		
PUMP OR TUBING DEPTH IN WELL (feet): 13				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N ☐ Filtration Equipment Type:		FILTER SIZE:		
DUPLICATE COLLECTED: Y ☐ N ☒											
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml/min)		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	3	CG	40 ml	HCL	/	/	8260B	RFP	/		
	3	CG	40 ml	HCL	/	/	8011	↓	/		
	1	PE	250 ml	HNO ₃	/	/	6010	↓	/		
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

STABILIZATION CRITERIA

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** ± 0.2 mg/L or $\pm 10\%$ **Turbidity:** ≤ 10 NTU or $\pm 10\%$

ser 45-145 5nd 4-15 bnt 2-4 grt 0-2

GROUNDWATER SAMPLING LOG

SITE NAME: Coastal 74		SITE LOCATION: Florence, SC	
WELL NO: MW-21	SAMPLE ID: 03538-MW21	DATE: 12-3-14	

12.32 + gal

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) Daniel Burch				SAMPLER(S) SIGNATURE(S): <i>DB</i>			SAMPLING DATE: 12/3/14		SAMPLING TIME: 1330		
PUMP OR TUBING DEPTH IN WELL (feet): 12				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N ☐		FILTER SIZE: Filtration Equipment Type: ☒ N ☐		
DUPLICATE COLLECTED: Y ☐ N ☒											
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml/min)		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	3	CG	40 ml	HCL	/	/	8260B	RFPP	-		
	3	CG	40 ml	HCL	/	/	8011		-		
	1	PE	250 ml	HNO3	/	/	8010	↓	-		
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

STABILIZATION CRITERIA

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** ± 0.2 mg/L or $\pm 10\%$ **Turbidity:** ≤ 10 NTU or $\pm 10\%$

scr 3-13 6nd 2-13 bnt 1-2 grt 0-1

GROUNDWATER SAMPLING LOG

SITE NAME:	Coastal 76	SITE LOCATION:	Florence, SC
WELL NO:	MW-22	SAMPLE ID:	03538-MW22
		DATE:	12-3-14

15.04 tgd.

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) Daniel Burch				SAMPLER(S) SIGNATURE(S): DB			SAMPLING DATE: 12/3/14		SAMPLING TIME: 1540		
PUMP OR TUBING DEPTH IN WELL (feet): 13				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y N		FILTER SIZE: Filtration Equipment Type:		
DUPLICATE COLLECTED: Y N											
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml/min)		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (ml)	FINAL pH					
	3	CG	40 ml	HCL	-	-	8260B	RFPP	-		
	3	CG	40 ml	HCL	-	-	8011		-		
	1	PE	250 ml	HNO3	-	-	8010	↓	-		
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

STABILIZATION CRITERIA

pH: +0.2 units **Temperature:** +0.2 °C **Specific Conductance:** +5% **Dissolved Oxygen:** +0.2 mg/L or +10% **Turbidity:** < 10 NTU or +10%

scr 5-15 5nd 4-15 bnt 2-4 grt 0-2

GROUNDWATER SAMPLING LOG

SITE NAME: <u>Morris Oil Company</u>	SITE LOCATION: <u>Spartanburg, SOUTH CAROLINA</u>
WELL NO: <u>MW 22D</u>	SAMPLE ID: <u>03538-MW22D</u> DATE: <u>12-3-14</u>

44.02 ftd

PURGING DATA

WELL DIAMETER (inches): <u>2</u>	Total Well Depth (feet): <u>45</u>	WELL SCREEN INTERVAL DEPTH: <u>40</u> feet to <u>45</u> feet	STATIC DEPTH TO WATER (feet): <u>13.83</u>	PURGE PUMP TYPE OR BAILER: <u>ESP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (<u>44.02</u> feet - <u>13.83</u> feet) X <u>0.16</u> gallons/foot = <u>4.83</u> gallons				

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	TEMP. (°C)	Δ	pH (su)	Δ	COND. (μS)	Δ	DO (mg/L)	Δ	TURB IDITY (NTU)	Δ	COLOR	ODOR
1440	—	—	21.6	—	6.9	—	96	—	3.2	—	1000	—	clay	none
1450	2.5	2.5	21.4	0.2	6.7	0.2	93	3			1000	—		
1500	2.5	5.0	21.1	0.3	6.7	0	88	5			619	—		
1510	2.5	7.5	21.1	0	6.6	0.1	84	4			105	514		
1520	2.5	10.0	21.2	0.1	6.6	0	88	4			1000	—		
1530	2.5	12.5	21.2	0	6.6	0	86	2			201	—		
1540	2.5	15.0	21.3	0.1	6.7	0.1	88	2			26	175	clr	
1550	2.5	17.5	21.2	0.1	6.7	0	87	1			10	16	clr	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

SAMPLING DATA

SAMPLED BY (PRINT): <u>Daniel Birch</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING DATE: <u>12/3/14</u>	SAMPLING TIME: <u>1550</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>40</u>	TUBING MATERIAL CODE: <u>PE</u>	FIELD-FILTERED: Y ☒ N ☐	FILTER SIZE: <u>0</u>
DUPLICATE COLLECTED: Y ☒ N ☐			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml/min)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	3	CG	40 ml	HCL	/	/	8260B	<u>ESP B</u>	—
	3	CG	40 ml	HCL	/	/	8011	<u>[Signature]</u>	—
	1	PE	250ml	HNO3	/	/	6010	<u>[Signature]</u>	—

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

STABILIZATION CRITERIA

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: ± 0.2 mg/L or ± 10% Turbidity: ≤ 10 NTU or ± 10%

Sur 40-45 5nd 38-45 bnt
 36-38 grt
 0-36

GROUNDWATER SAMPLING LOG

23

SITE NAME: ~~Morris Oil Company~~ *Coastal 76* SITE LOCATION: ~~Spartanburg~~ *Florence* SOUTH CAROLINA

WELL NO: *mw 22* SAMPLE ID: *03538-MW23* DATE: *12-3-14*

PURGING DATA

WELL DIAMETER (inches): *2* Total Well Depth (feet): *16* WELL SCREEN INTERVAL DEPTH: *6* feet to *16* feet STATIC DEPTH TO WATER (feet): *11.90* PURGE PUMP TYPE OR BAILER: *RFP*

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
= (*15.53* feet - *11.90* feet) X *0.16* gallons/foot = *0.58* gallons

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	TEMP. (°C)	Δ	pH (su)	Δ	COND. (μS)	Δ	DO (mg/L)	Δ	TURB IDITY (NTU)	Δ	COLOR	ODOR
<i>1440</i>	<i>—</i>	<i>—</i>	<i>20.4</i>	<i>—</i>	<i>6.9</i>	<i>—</i>	<i>104</i>	<i>—</i>	<i>1.9</i>	<i>—</i>	<i>4000</i>	<i>—</i>	<i>Clay</i>	<i>Bright</i>
<i>1456</i>	<i>1.5</i>	<i>1.5</i>	<i>20.3</i>	<i>0.1</i>	<i>6.7</i>	<i>0.2</i>	<i>96</i>	<i>8</i>			<i>4000</i>	<i>—</i>		
<i>1503</i>	<i>0.5</i>	<i>2.0</i>	<i>20.3</i>	<i>0</i>	<i>6.5</i>	<i>0.2</i>	<i>90</i>	<i>6</i>			<i>621</i>	<i>—</i>		
<i>1514</i>	<i>1.0</i>	<i>3.0</i>	<i>20.2</i>	<i>0.1</i>	<i>6.5</i>	<i>0</i>	<i>98</i>	<i>8</i>			<i>150</i>	<i>471</i>	<i>↓</i>	
<i>1526</i>	<i>1.0</i>	<i>4.0</i>	<i>20.3</i>	<i>0.1</i>	<i>6.6</i>	<i>0.1</i>	<i>92</i>	<i>6</i>			<i>76</i>	<i>74</i>	<i>Sidly</i>	
<i>1539</i>	<i>0.5</i>	<i>4.5</i>	<i>20.3</i>	<i>0</i>	<i>6.6</i>	<i>0</i>	<i>94</i>	<i>2</i>			<i>18</i>	<i>58</i>	<i>Clay</i>	
<i>1540</i>	<i>0.5</i>	<i>5.0</i>	<i>20.2</i>	<i>0.1</i>	<i>6.6</i>	<i>0</i>	<i>93</i>	<i>1</i>			<i>9.0</i>	<i>9</i>	<i>↓</i>	<i>↓</i>

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

SAMPLING DATA

SAMPLED BY (PRINT): *Daniel Burch* SAMPLER(S) SIGNATURE(S): *DB* SAMPLING DATE: *12/3/14* SAMPLING TIME: *1540*

PUMP OR TUBING DEPTH IN WELL (feet): *13* TUBING MATERIAL CODE: *PE* FIELD-FILTERED: *Y* ☒ *N* FILTER SIZE: *0.45*

DUPLICATE COLLECTED: *Y* ☒ *N*

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml/min)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	<i>3</i>	<i>CG</i>	<i>40 ml</i>	<i>HCL</i>	<i>/</i>	<i>/</i>	<i>8260B</i>	<i>RFP</i>	<i>/</i>
	<i>3</i>	<i>CG</i>	<i>40 ml</i>	<i>HCL</i>	<i>/</i>	<i>/</i>	<i>8011</i>	<i>↓</i>	<i>/</i>
	<i>1</i>	<i>PE</i>	<i>250 ml</i>	<i>HNO3</i>	<i>/</i>	<i>/</i>	<i>6010</i>	<i>↓</i>	<i>/</i>

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

STABILIZATION CRITERIA

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: ± 0.2 mg/L or ± 10% Turbidity: ≤ 10 NTU or ± 10%

scr 6-16 5nd 5-16 bnt 3-5 3-1 0-3

GROUNDWATER SAMPLING LOG

SITE NAME: Coastal 76 Truck Stop		SITE LOCATION: Florence, SC	
WELL NO: MW13		SAMPLE ID: MW13 Resample	
		DATE: 12/12/14	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) Jimmy Slagh				SAMPLER(S) SIGNATURE(S):			SAMPLING DATE: 12/12/14	SAMPLING TIME: 1305	
PUMP OR TUBING DEPTH IN WELL (feet):				TUBING MATERIAL CODE:			FIELD-FILTERED: Y N	FILTER SIZE:	
DUPLICATE COLLECTED: Y N									
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml/min)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	3	CG	40ml	HCL	-	-	826013	13	-
REMARKS:									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

STABILIZATION CRITERIA

pH: + 0.2 units **Temperature:** + 0.2 °C **Specific Conductance:** + 5% **Dissolved Oxygen:** + 0.2 mg/L or + 10% **Turbidity:** < 10 NTU or + 10%

GROUNDWATER SAMPLING LOG

SITE NAME: Coastal 76		SITE LOCATION: Florence, SC	
WELL NO: MW-24	SAMPLE ID: 03538-MW25	DATE: 12-3-14	

12.98 tgd

PURGING DATA

WELL DIAMETER (inches): 2	Total Well Depth (feet): 13	WELL SCREEN INTERVAL DEPTH: 3 feet to 13 feet	STATIC DEPTH TO WATER (feet): 10.81	PURGE PUMP TYPE OR BAILER: RTRP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (12.98 feet - 10.81 feet) X 0.16 gallons/foot = 0.35 gallons				

[illegible]

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) Dante Burch	SAMPLER(S) SIGNATURE(S): [Signature]	SAMPLING DATE: 12/3/14	SAMPLING TIME: 1400
PUMP OR TUBING DEPTH IN WELL (feet): 12	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y ☒ Filtration Equipment Type: ☒	FILTER SIZE:
DUPLICATE COLLECTED: Y ☒			

[illegible]

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

STABILIZATION CRITERIA

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** ± 0.2 mg/L or $\pm 10\%$ **Turbidity:** ≤ 10 NTU or $\pm 10\%$

5cr 3-13 5nd 2-13 6nt 1-2 5rt 0-1

GROUNDWATER SAMPLING LOG

SITE NAME:	Coastal 76	SITE LOCATION:	Florence, SC
WELL NO:	MW-25	SAMPLE ID:	03538-MW25
		DATE:	12-3-14

12.45 tgd

PURGING DATA

WELL						WELL SCREEN INTERVAL								
DIAMETER (inches)						Total Well Depth (feet)						STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:	
2						13						10.66	RSP	
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X = (12.95 feet - 10.66 feet) X 0.16 gallons/foot = 0.37 gallons														
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	TEMP. (°C)	A	pH (su)	A	COND. (µS)	A	DO (mg/L)	A	TURB IDITY (NTU)	A	COLOR	ODOR
1433	-	-	21.3	-	7.2	-	93	-	1.9	-	H000	-	clay	nene
1445	1.0	1.0	20.9	0.4	6-8	0.4	89	4			H000	-	dry	
1456	1.0	2.0	20.6	0.3	6.4	0.4	87	2			509	-	dry	
1505	0.5	2.5	20.8	0.3	6.4	0	88	1			200	309	dry	
1514	0.5	3.0	20.8	0	6.5	0.1	88	0			26	174	clr	
1520	0.5	3.5	20.7	0.1	6.5	0	87	1			13	13	cwr	
1530	1.5	5.0	20.8	0.1	6.4	0.1	87	0			9.2	3.8	cr	↓

WELL CAPACITY (Gallons Per Foot): 0.75'' = 0.02; 1'' = 0.04; 1.25'' = 0.06; 2'' = 0.16; 3'' = 0.37; 4'' = 0.65; 5'' = 1.02; 6'' = 1.47; 12'' = 5.86

SAMPLING DATA

SAMPLED BY (PRINT) Daniel Burch				SAMPLER(S) SIGNATURE(S): DB			SAMPLING DATE: 12/3/14		SAMPLING TIME: 1530	
PUMP OR TUBING DEPTH IN WELL (feet): 12				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y Filtration Equipment Type: N		FILTER SIZE:	
DUPLICATE COLLECTED: Y N										
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml/min)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (ml)	FINAL pH				
	3	CG	40 ml	HCL	/	/	8260B	RFPP		
	3	CG	40 ml	HCL	/	/	8011			
	1	PE	250 ml	HNO3	/	/	6010	↓		
REMARKS:										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

STABILIZATION CRITERIA

pH: +0.2 units **Temperature:** +0.2 °C **Specific Conductance:** +5% **Dissolved Oxygen:** +0.2 mg/L or +10% **Turbidity:** ≤ 10 NTU or +10%

ser 3-13 5nd 2-13 bnt 1-2 grt 0-1

Florence

~~Spartanburg~~ SOUTH CAROLINA

14.80 tjd

PURGING DATA

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

SAMPLING DATA

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

STABILIZATION CRITERIA

pH: + 0.2 units **Temperature:** + 0.2 °C **Specific Conductance:** + 5% **Dissolved Oxygen:** + 0.2 mg/L or + 10% **Turbidity:** < 10 NTU or + 10%

$$5^{\text{cr}}_{5-15} \quad 5^{\text{r}2}_{4-15} \quad b^{\text{r}t}_{2-4} \quad 5^{\text{r}t}_{6-2}$$

Florence

[illegible]

SAMPLED BY (PRINT): Daniel Burkh				SAMPLER(S) SIGNATURE(S): [Signature]			SAMPLING DATE: 12/31/14		SAMPLING TIME: 1345		
PUMP OR TUBING DEPTH IN WELL (feet): - 13				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N ☐		FILTER SIZE: Filtration Equipment Type:		
DUPLICATE COLLECTED: Y ☒											
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml/min)		
SAMPLE ID CODE	# CONTAINER S	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	3	CG	40 ml	HCL	/	/	8260B	RFPP	-		
	3	CG	40 ml	HCL	/	/	8011	↓	-		
	1	PE	250ml	HNO3	/	/	6010	↓	-		
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify) SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** ± 0.2 mg/L or $\pm 10\%$ **Turbidity:** ≤ 10 NTU or $\pm 10\%$

$$s^r_{5-15} \quad s^{n2}_{4+15} \quad b^{n+}_{2-4} \quad j^r_{0-2}$$

GROUNDWATER SAMPLING LOG

SITE NAME: <u>Coastal 76 Truck Stop</u>	SITE LOCATION: <u>Florence, SC</u>
WELL NO: <u>MW-28</u>	SAMPLE ID: <u>03538-MW28</u> DATE: <u>12/3/14</u>

PURGING DATA

WELL DIAMETER (inches): <u>2</u>	Total Well Depth (feet): <u>13</u>	WELL SCREEN INTERVAL DEPTH: feet to <u> </u> feet	STATIC DEPTH TO WATER (feet): <u>9.97</u>	PURGE PUMP TYPE OR BAILER: <u>RFP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (<u>13</u> feet - <u>9.97</u> feet) X <u>0.16</u> gallons/foot = <u>0.48</u> gallons				

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	TEMP. (°C)	Δ	pH (su)	Δ	COND. (μS)	Δ	DO (mg/L)	Δ	TURB IDITY (NTU)	Δ	COLOR	ODOR
1501	—	—	21.3	—	6.9	—	104	—	2.9	—	1010	—	dry	none
1518	1.0	1.0	21.1	0.2	6.6	0.3	121	17			1010	—	↓	
1526	1.0	2.0	21.0	0.1	6.5	0.1	100	21			1000	—	↓	
1539	1.0	3.0	21.1	0.1	6.5	0	96	4			304	—	dry	
1543	0.5	3.5	21.1	0	6.5	0	95	1			152	152	↓	
1551	0.5	4.0	21.0	0.1	6.6	0.1	95	0			61	91	slay	
1603	1.0	5.0	21.0	0	6.6	0	46	1			13	48	dry	
1615	1.0	6.0	21.0	0	6.5	0.1	46	0			9.0	4	W	↓

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

SAMPLING DATA

SAMPLED BY (PRINT): <u>Daniel Burch</u>	SAMPLER(S) SIGNATURE(S): <u>DB</u>	SAMPLING DATE: <u>12/3/14</u>	SAMPLING TIME: <u>1615</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>12</u>	TUBING MATERIAL CODE: <u>PE</u>	FIELD-FILTERED: Y <u>(N)</u>	FILTER SIZE: <u> </u>
DUPLICATE COLLECTED: Y <u>(N)</u>			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml/min)
SAMPLE ID CODE	# CONTAINER S	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (ml)	FINAL pH			
	3	CG	40ml	HCL	/	/	8260B	RFP	/
	3	CG	↓	HCL	/	/	804	↓	/
	1	PE	250ml	HNO3	/	/	6810	↓	/

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

STABILIZATION CRITERIA

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: ± 0.2 mg/L or ± 10% Turbidity: ≤ 10 NTU or ± 10%

GROUNDWATER SAMPLING LOG

SITE NAME: Coastal 76 Truck Stop		SITE LOCATION: Florence, SC	
WELL NO: TW-1	SAMPLE ID:		DATE: 12/3/14.

PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

STABILIZATION CRITERIA

pH: + 0.2 units **Temperature:** + 0.2 °C **Specific Conductance:** + 5% **Dissolved Oxygen:** + 0.2 mg/L or + 10% **Turbidity:** ≤ 10 NTU or + 10%

GROUNDWATER SAMPLING LOG

SITE NAME: Coastal 76 Truck Stop		SITE LOCATION: Florence, SC	
WELL NO: Two 1		SAMPLE ID: 03538-Two 1	DATE: 12/12/14

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) <i>Jimmy Slagh</i>				SAMPLER(S) SIGNATURE(S):			SAMPLING DATE: <i>12/12/14</i>		SAMPLING TIME: <i>1200</i>	
PUMP OR TUBING DEPTH IN WELL (feet): <i>—</i>				TUBING MATERIAL CODE: <i>—</i>			FIELD-FILTERED: Y <i>(N)</i>		FILTER SIZE:	
DUPLICATE COLLECTED: Y <i>(N)</i>										
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml/min)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	<i>3</i>	<i>CG</i>	<i>40ml</i>	<i>HCL</i>	<i>—</i>	<i>—</i>	<i>2260B</i>	<i>B</i>	<i>—</i>	
	<i>3</i>	<i>CG</i>	<i>40ml</i>	<i>HCL</i>	<i>—</i>	<i>—</i>	<i>8011</i>	<i>↓</i>	<i>—</i>	
	<i>1</i>	<i>PE</i>	<i>250ml</i>	<i>HNO3</i>	<i>—</i>	<i>—</i>	<i>6010</i>	<i>↓</i>	<i>—</i>	
REMARKS:										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

STABILIZATION CRITERIA

pH: + 0.2 units **Temperature:** + 0.2 °C **Specific Conductance:** + 5% **Dissolved Oxygen:** + 0.2 mg/L or + 10% **Turbidity:** ≤ 10 NTU or + 10%

GROUNDWATER SAMPLING LOG

SITE NAME: <u>Coastal 76</u>	SITE LOCATION: <u>Florence, SC</u>
WELL NO: <u>TW-2</u>	SAMPLE ID: <u>08538-TW02</u> DATE: <u>12-3-14</u>

PURGING DATA

WELL DIAMETER (inches): <u>2</u>	Total Well Depth (feet): <u>36</u>	WELL SCREEN INTERVAL DEPTH: <u>31</u> feet to <u>36</u> feet	STATIC DEPTH TO WATER (feet): <u>10.79</u>	PURGE PUMP TYPE OR BAILER: <u>GSP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (<u>36</u> feet - <u>10.79</u> feet) X <u>0.16</u> gallons/foot = <u>4.03</u> gallons				

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	TEMP. (°C)	A	pH (su)	A	COND. (µS)	A	DO (mg/L)	A	TURBIDITY (NTU)	A	COLOR	ODOR
1115	—	—	21.4	—	7.2	—	132	—	1.9	—	1000	—	clay	none
1125	2.5	2.5	22.6	0.3	6.8	6.4	115	17			321	—	↓	
1135	2.5	5.0	22.1	0.5	6.8	0	114	1			104	27	↓	
1145	2.5	7.5	22.1	0	6.7	0.1	114	0			62	42	clay	
1155	2.5	10.0	21.9	0.3	6.8	0.1	113	1			49	13	↓	
1205	2.5	12.5	21.8	0.1	6.7	0.1	115	2			28	21	clay	
1215	2.5	15.0	21.8	0	6.6	0.1	114	1			21	7	↓	
1225	2.5	17.5	21.8	0	6.7	0.1	114	0			13	8	↓	
1235	2.5	20.0	21.8	0	6.8	0.1	113	1			11	2	↓	
1245	2.5	22.5	21.9	0.1	6.8	0	112	1			8.4	2.6	↓	✓

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

SAMPLING DATA

SAMPLED BY (PRINT): <u>Daniel Burkh</u>				SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>			SAMPLING DATE: <u>12/3/14</u>		SAMPLING TIME: <u>1245</u>		
PUMP OR TUBING DEPTH IN WELL (feet): <u>—</u>				TUBING MATERIAL CODE: <u>—</u>			FIELD-FILTERED: <u>Y</u> <u>N</u>		FILTER SIZE: <u>0</u>		
DUPLICATE COLLECTED: <u>Y</u> <u>N</u>											

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml/min)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (ml)	FINAL pH			
	3	CG	40 ml	HCL	/	/	8260B	B	/
	3	CG	40 ml	HCL	/	/	8011	B	/
	1	PE	250 ml	HNO3	/	/	8010	B	/

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

STABILIZATION CRITERIA

pH: ±0.2 units Temperature: ±0.2 °C Specific Conductance: ±5% Dissolved Oxygen: ±0.2 mg/L or ±10% Turbidity: ≤10 NTU or ±10%

Scr 31-36 snd 29-36 bnt 27-29 grt 0-27

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Report of Analysis

Petra-Tech Environmental

2435 East North Street
Suite 1108-202
Greenville, SC 29615
Attention: Trever Slack

Project Name: **Coastal 76 Truck Stop**

Project Number: **J14-070-A**

Lot Number: **PJ03068**

Date Completed: **10/13/2014**



Lucas Odom

Project Manager



This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

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

*** P J 0 3 0 6 8 ***

SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DENR No: 329

NC Field Parameters No: 5639

Case Narrative Petra-Tech Environmental Lot Number: PJ03068

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.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary Petra-Tech Environmental Lot Number: PJ03068

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	GW01	Aqueous	10/02/2014 0910	10/03/2014
002	GW13	Aqueous	10/01/2014 1610	10/03/2014
003	GW11	Aqueous	10/01/2014 1931	10/03/2014
004	GW08	Aqueous	10/01/2014 1704	10/03/2014
005	GW07	Aqueous	10/02/2014 0900	10/03/2014
006	GW05	Aqueous	10/01/2014 1910	10/03/2014
007	GW03	Aqueous	10/01/2014 1150	10/03/2014
008	GW06	Aqueous	10/02/2014 0800	10/03/2014

(8 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary Petra-Tech Environmental Lot Number: PJ03068

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
005	GW07	Aqueous	Toluene	8260B	1.1		ug/L	9
(1 detection)								

Client: Petra-Tech Environmental
Description: GW01
Date Sampled: 10/02/2014 0910
Date Received: 10/03/2014

Laboratory ID: PJ03068-001
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/08/2014 1603	EH1		57793

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	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
Toluene	108-88-3	8260B	ND		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		93	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		90	70-130

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	H = Out of holding time
ND = Not detected at or above the MDL	J = Estimated result < PQL and $\geq$ 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: Petra-Tech Environmental	Laboratory ID: PJ03068-002
Description: GW13	Matrix: Aqueous
Date Sampled:10/01/2014 1610	
Date Received: 10/03/2014	

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/08/2014 1624	EH1		57793

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	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
Toluene	108-88-3	8260B	ND		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		95	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		90	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Client: Petra-Tech Environmental	Laboratory ID: PJ03068-003
Description: GW11	Matrix: Aqueous
Date Sampled: 10/01/2014 1931	
Date Received: 10/03/2014	

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/08/2014 1646	EH1		57793

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	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
Toluene	108-88-3	8260B	ND		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		94	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		90	70-130

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	H = Out of holding time
ND = Not detected at or above the MDL	J = Estimated result < PQL and $\geq$ 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: Petra-Tech Environmental	Laboratory ID: PJ03068-004
Description: GW08	Matrix: Aqueous
Date Sampled:10/01/2014 1704	
Date Received: 10/03/2014	

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/08/2014 1707	EH1		57793

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	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
Toluene	108-88-3	8260B	ND		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		94	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		91	70-130

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

Client: Petra-Tech Environmental	Laboratory ID: PJ03068-005
Description: GW07	Matrix: Aqueous
Date Sampled: 10/02/2014 0900	
Date Received: 10/03/2014	

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/08/2014 1832	EH1		57793

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	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
Toluene	108-88-3	8260B	1.1		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		94	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		90	70-130

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	H = Out of holding time
ND = Not detected at or above the MDL	J = Estimated result < PQL and $\geq$ 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: Petra-Tech Environmental	Laboratory ID: PJ03068-006
Description: GW05	Matrix: Aqueous
Date Sampled:10/01/2014 1910	
Date Received: 10/03/2014	

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/08/2014 1728	EH1		57793

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	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
Toluene	108-88-3	8260B	ND		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		94	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		90	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time

ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: Petra-Tech Environmental	Laboratory ID: PJ03068-007
Description: GW03	Matrix: Aqueous
Date Sampled:10/01/2014 1150	
Date Received: 10/03/2014	

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/08/2014 1750	EH1		57793

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	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
Toluene	108-88-3	8260B	ND		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		95	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		92	70-130

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

Client: Petra-Tech Environmental	Laboratory ID: PJ03068-008
Description: GW06	Matrix: Aqueous
Date Sampled: 10/02/2014 0800	
Date Received: 10/03/2014	

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/08/2014 1811	EH1		57793

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	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
Toluene	108-88-3	8260B	ND		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		94	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		91	70-130

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	H = Out of holding time
ND = Not detected at or above the MDL	J = Estimated result < PQL and $\geq$ 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"			

SHEALY ENVIRONMENTAL SERVICES, INC.

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Number 40811

[illegible]

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

Document Number: FAD-133 Effective Date: 08-01-2014

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 15

Page 1 of 1
Replaces Date: 03/07/14
Effective Date: 07/15/14

Sample Receipt Checklist (SRC)

Client: Petra Tech Cooler Inspected by/date: MACM/100314 Lot #: 9203068

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/Original temperature upon receipt/Driver (corrected) temperature upon receipt: / <u>56/6.0</u> °C / / / °C / / / °C / / / °C		
Method: ☐ Temperature Blank ☒ Against Bottles IR Gun ID: <u>#3</u> IR Gun Correction Factor: <u>6.7</u> °C		
Method of coolant: ☒ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None		
Yes ☐	No ☐	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 ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☐	No ☐	5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	5a. Were samples relinquished by client to commercial courier?
Yes ☒	No ☐	6. Were sample IDs listed on the COC?
Yes ☒	No ☐	7. Were sample IDs listed on all sample containers?
Yes ☒	No ☐	8. Was collection date & time listed on the COC?
Yes ☒	No ☐	9. Was collection date & time listed on all sample containers?
Yes ☒	No ☐	10. Did all container label information (ID, date, time) agree with the COC?
Yes ☐	No ☒	11. Were tests to be performed listed on the COC?
Yes ☒	No ☐	12. Did all samples arrive in the proper containers for each test?
Yes ☒	No ☐	13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☒	No ☐	14. Was adequate sample volume available?
Yes ☒	No ☐	15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☒	16. Were any samples containers missing?
Yes ☐	No ☒	17. Were there any excess samples not listed on COC?
Yes ☐	No ☒	18. Were bubbles present > "pea-size" (¼" or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☒	24. Was the quote number used taken from the container label?
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 ₂ SO ₄ , HNO ₃ , HCl, NaOH) using SR # _____		
Sample(s) _____ were received with bubbles >6 mm in diameter.		
Sample(s) _____ were received with TRC >0.2 mg/L (If #21 is No)		
SC Drinking Water Project Sample(s) pH verified to be > 2 by _____ Date: _____		
Sample(s) _____ were not received at a pH of <2 and were adjusted accordingly using SR# _____		
Sample labels applied by: <u>MACM</u> Verified by: <u>MACM</u> Date: <u>10/3/14</u>		

Comments:

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Report of Analysis

Petra-Tech Environmental
2435 East North Street
Suite 1108-202
Greenville, SC 29615
Attention: Trever Slack

Project Name: Coastal 76

Project Number: J14-070-A

Lot Number: PL05073

Date Completed: 12/10/2014



Lucas Odom
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.

*** PL05073 ***

SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DENR No: 329

NC Field Parameters No: 5639

Case Narrative Petra-Tech Environmental Lot Number: PL05073

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

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

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

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

GC/MS Volatiles

The MS/MSD associated with sample -017 had tert-butyl formate and 3,3-dimethyl-1-butanol 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/DBCP

The MS/MSD associated with sample -002 had EDB 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.

Samples -022 and -0027 were diluted 50x and 500x, 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.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary Petra-Tech Environmental Lot Number: PL05073

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	IGWA R	Aqueous	12/03/2014 1630	12/05/2014
002	IGWA	Aqueous	12/03/2014 1620	12/05/2014
003	03538-MW06	Aqueous	12/03/2014 1600	12/05/2014
004	03538-MW22D	Aqueous	12/03/2014 1550	12/05/2014
005	03538-MW27	Aqueous	12/03/2014 1345	12/05/2014
006	03538-MW07	Aqueous	12/03/2014 1640	12/05/2014
007	03538-MW04	Aqueous	12/03/2014 1315	12/05/2014
008	DUP B	Aqueous	12/03/2014 1320	12/05/2014
009	03538-MW20	Aqueous	12/03/2014 1445	12/05/2014
010	03538-MW28	Aqueous	12/03/2014 1615	12/05/2014
011	TRIP BLANK 1	Aqueous	12/03/2014	12/05/2014
012	03538-MW21	Aqueous	12/03/2014 1330	12/05/2014
013	03538-MW19	Aqueous	12/03/2014 1430	12/05/2014
014	03538-MW24	Aqueous	12/03/2014 1400	12/05/2014
015	03538-MW18	Aqueous	12/03/2014 1650	12/05/2014
016	03538-MW22	Aqueous	12/03/2014 1540	12/05/2014
017	03538-MW17	Aqueous	12/03/2014 1500	12/05/2014
018	03538-MW23	Aqueous	12/03/2014 1300	12/05/2014
019	03538-TW02	Aqueous	12/03/2014 1245	12/05/2014
020	TRIP BLANK 3	Aqueous	12/03/2014	12/05/2014
021	03538-MW25	Aqueous	12/03/2014 1530	12/05/2014
022	03538-MW02	Aqueous	12/02/2014 1230	12/05/2014
023	03538-MW08	Aqueous	12/03/2014 1200	12/05/2014
024	03538-MW26	Aqueous	12/03/2014 1510	12/05/2014
025	03538-MW16	Aqueous	12/03/2014 1430	12/05/2014
026	03538-MW10R	Aqueous	12/03/2014 1215	12/05/2014
027	03538-MW01	Aqueous	12/02/2014 1200	12/05/2014
028	03538-MW15	Aqueous	12/03/2014 1230	12/05/2014
029	03538-MW03	Aqueous	12/02/2014 1300	12/05/2014
030	MW03 DUP	Aqueous	12/02/2014 1305	12/05/2014
031	FIELD BLANK 1	Aqueous	12/02/2014 1313	12/05/2014
032	FIELD BLANK 2	Aqueous	12/03/2014 1207	12/05/2014
033	03538-MW11	Aqueous	12/03/2014 1530	12/05/2014
034	TRIP BLANK	Aqueous	12/03/2014	12/05/2014

(34 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary Petra-Tech Environmental Lot Number: PL05073

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	IGWA R	Aqueous	tert-Amyl alcohol (TAA)	8260B	730	J	ug/L	7
001	IGWA R	Aqueous	Benzene	8260B	2000		ug/L	7
001	IGWA R	Aqueous	Ethylbenzene	8260B	1800		ug/L	7
001	IGWA R	Aqueous	Naphthalene	8260B	530		ug/L	7
001	IGWA R	Aqueous	Toluene	8260B	9400		ug/L	7
001	IGWA R	Aqueous	Xylenes (total)	8260B	7000		ug/L	7
001	IGWA R	Aqueous	1,2-Dibromoethane (EDB)	8011	3.2		ug/L	8
001	IGWA R	Aqueous	Lead	6010C	0.051		mg/L	9
002	IGWA	Aqueous	tert-Amyl alcohol (TAA)	8260B	790	J	ug/L	10
002	IGWA	Aqueous	Benzene	8260B	1300		ug/L	10
002	IGWA	Aqueous	Ethylbenzene	8260B	630		ug/L	10
002	IGWA	Aqueous	Naphthalene	8260B	310		ug/L	10
002	IGWA	Aqueous	Toluene	8260B	6000		ug/L	10
002	IGWA	Aqueous	Xylenes (total)	8260B	11000		ug/L	10
002	IGWA	Aqueous	1,2-Dibromoethane (EDB)	8011	2.0		ug/L	11
002	IGWA	Aqueous	Lead	6010C	0.065		mg/L	12
003	03538-MW06	Aqueous	Lead	6010C	0.0023	J	mg/L	15
004	03538-MW22D	Aqueous	Lead	6010C	0.0034	J	mg/L	18
006	03538-MW07	Aqueous	Benzene	8260B	210		ug/L	22
006	03538-MW07	Aqueous	Ethylbenzene	8260B	1300		ug/L	22
006	03538-MW07	Aqueous	Naphthalene	8260B	270		ug/L	22
006	03538-MW07	Aqueous	Toluene	8260B	740		ug/L	22
006	03538-MW07	Aqueous	Xylenes (total)	8260B	3700		ug/L	22
006	03538-MW07	Aqueous	Lead	6010C	0.0081	J	mg/L	24
007	03538-MW04	Aqueous	tert-Amyl alcohol (TAA)	8260B	2800	J	ug/L	25
007	03538-MW04	Aqueous	Benzene	8260B	3600		ug/L	25
007	03538-MW04	Aqueous	Ethylbenzene	8260B	810		ug/L	25
007	03538-MW04	Aqueous	Naphthalene	8260B	710		ug/L	25
007	03538-MW04	Aqueous	Toluene	8260B	9100		ug/L	25
007	03538-MW04	Aqueous	Xylenes (total)	8260B	10000		ug/L	25
007	03538-MW04	Aqueous	1,2-Dibromoethane (EDB)	8011	2.2		ug/L	26
007	03538-MW04	Aqueous	Lead	6010C	0.11		mg/L	27
008	DUP B	Aqueous	tert-Amyl alcohol (TAA)	8260B	2800		ug/L	28
008	DUP B	Aqueous	Benzene	8260B	4000		ug/L	28
008	DUP B	Aqueous	Ethylbenzene	8260B	820		ug/L	28
008	DUP B	Aqueous	Naphthalene	8260B	640		ug/L	28
008	DUP B	Aqueous	Toluene	8260B	9600		ug/L	28
008	DUP B	Aqueous	Xylenes (total)	8260B	9500		ug/L	28
008	DUP B	Aqueous	1,2-Dibromoethane (EDB)	8011	2.0		ug/L	29
008	DUP B	Aqueous	Lead	6010C	0.13		mg/L	30
010	03538-MW28	Aqueous	Lead	6010C	0.0033	J	mg/L	36
012	03538-MW21	Aqueous	Lead	6010C	0.0069	J	mg/L	40
014	03538-MW24	Aqueous	Lead	6010C	0.0020	J	mg/L	46
015	03538-MW18	Aqueous	Ethylbenzene	8260B	0.40	J	ug/L	47
015	03538-MW18	Aqueous	Naphthalene	8260B	21		ug/L	47

Executive Summary (Continued)

Lot Number: PL05073

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
015	03538-MW18	Aqueous	tert-butyl alcohol (TBA)	8260B	12	J	ug/L	47
015	03538-MW18	Aqueous	Xylenes (total)	8260B	80		ug/L	47
016	03538-MW22	Aqueous	Lead	6010C	0.0020	J	mg/L	52
017	03538-MW17	Aqueous	Benzene	8260B	230		ug/L	53
017	03538-MW17	Aqueous	Ethylbenzene	8260B	1000		ug/L	53
017	03538-MW17	Aqueous	Naphthalene	8260B	340		ug/L	53
017	03538-MW17	Aqueous	Toluene	8260B	600		ug/L	53
017	03538-MW17	Aqueous	Xylenes (total)	8260B	5000		ug/L	53
017	03538-MW17	Aqueous	1,2-Dibromoethane (EDB)	8011	0.70		ug/L	54
017	03538-MW17	Aqueous	Lead	6010C	0.031		mg/L	55
018	03538-MW23	Aqueous	Lead	6010C	0.043		mg/L	58
021	03538-MW25	Aqueous	Lead	6010C	0.0031	J	mg/L	65
022	03538-MW02	Aqueous	tert-Amyl alcohol (TAA)	8260B	4200		ug/L	66
022	03538-MW02	Aqueous	Benzene	8260B	4800		ug/L	66
022	03538-MW02	Aqueous	Ethylbenzene	8260B	940		ug/L	66
022	03538-MW02	Aqueous	Methyl tertiary butyl ether (MTBE)	8260B	250		ug/L	66
022	03538-MW02	Aqueous	Naphthalene	8260B	260		ug/L	66
022	03538-MW02	Aqueous	Toluene	8260B	8200		ug/L	66
022	03538-MW02	Aqueous	Xylenes (total)	8260B	4500		ug/L	66
022	03538-MW02	Aqueous	1,2-Dibromoethane (EDB)	8011	28		ug/L	67
022	03538-MW02	Aqueous	Lead	6010C	0.15		mg/L	68
023	03538-MW08	Aqueous	Lead	6010C	0.031		mg/L	71
024	03538-MW26	Aqueous	Lead	6010C	0.0033	J	mg/L	74
025	03538-MW16	Aqueous	Benzene	8260B	1.3		ug/L	75
025	03538-MW16	Aqueous	Methyl tertiary butyl ether (MTBE)	8260B	1.1		ug/L	75
025	03538-MW16	Aqueous	Toluene	8260B	0.62	J	ug/L	75
025	03538-MW16	Aqueous	Xylenes (total)	8260B	0.68	J	ug/L	75
025	03538-MW16	Aqueous	1,2-Dibromoethane (EDB)	8011	0.031		ug/L	76
026	03538-MW10R	Aqueous	Lead	6010C	0.028		mg/L	80
027	03538-MW01	Aqueous	tert-Amyl alcohol (TAA)	8260B	8800	J	ug/L	81
027	03538-MW01	Aqueous	Benzene	8260B	17000		ug/L	81
027	03538-MW01	Aqueous	Ethylbenzene	8260B	1500		ug/L	81
027	03538-MW01	Aqueous	Methyl tertiary butyl ether (MTBE)	8260B	250	J	ug/L	81
027	03538-MW01	Aqueous	Naphthalene	8260B	820		ug/L	81
027	03538-MW01	Aqueous	Toluene	8260B	27000		ug/L	81
027	03538-MW01	Aqueous	Xylenes (total)	8260B	15000		ug/L	81
027	03538-MW01	Aqueous	1,2-Dibromoethane (EDB)	8011	210		ug/L	82
027	03538-MW01	Aqueous	Lead	6010C	0.63		mg/L	83
029	03538-MW03	Aqueous	tert-Amyl alcohol (TAA)	8260B	2200		ug/L	87
029	03538-MW03	Aqueous	Benzene	8260B	2000		ug/L	87
029	03538-MW03	Aqueous	Ethylbenzene	8260B	1600		ug/L	87
029	03538-MW03	Aqueous	Naphthalene	8260B	780		ug/L	87
029	03538-MW03	Aqueous	Toluene	8260B	10000		ug/L	87
029	03538-MW03	Aqueous	Xylenes (total)	8260B	11000		ug/L	87
029	03538-MW03	Aqueous	1,2-Dibromoethane (EDB)	8011	3.5		ug/L	88
029	03538-MW03	Aqueous	Lead	6010C	0.10		mg/L	89
030	MW03 DUP	Aqueous	tert-Amyl alcohol (TAA)	8260B	1900	J	ug/L	90
030	MW03 DUP	Aqueous	Benzene	8260B	2000		ug/L	90

Executive Summary (Continued)

Lot Number: PL05073

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
030	MW03 DUP	Aqueous	Ethylbenzene	8260B	1700		ug/L	90
030	MW03 DUP	Aqueous	Naphthalene	8260B	750		ug/L	90
030	MW03 DUP	Aqueous	Toluene	8260B	11000		ug/L	90
030	MW03 DUP	Aqueous	Xylenes (total)	8260B	10000		ug/L	90
030	MW03 DUP	Aqueous	1,2-Dibromoethane (EDB)	8011	3.2		ug/L	91
030	MW03 DUP	Aqueous	Lead	6010C	0.10		mg/L	92
033	03538-MW11	Aqueous	Lead	6010C	0.0089	J	mg/L	101

(100 detections)

Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-001			
Description: IGWA R				Matrix: Aqueous			
Date Sampled: 12/03/2014 1630							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	12/08/2014 1624	EH1		62553

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	730	J	2000	670	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		1000	20	ug/L	1
Benzene	71-43-2	8260B	2000		100	13	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		500	100	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		100	15	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		100	40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		2000	100	ug/L	1
Ethanol	64-17-5	8260B	ND		10000	3300	ug/L	1
Ethylbenzene	100-41-4	8260B	1800		100	33	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		100	40	ug/L	1
Naphthalene	91-20-3	8260B	530		100	40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		2000	670	ug/L	1
Toluene	108-88-3	8260B	9400		100	33	ug/L	1
Xylenes (total)	1330-20-7	8260B	7000		100	33	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4		83	70-130					
Bromofluorobenzene		93	70-130					
Toluene-d8		89	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-001
Description: IGWA R	Matrix: Aqueous
Date Sampled: 12/03/2014 1630	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	8011	8011	5	12/08/2014 2216	MEM	12/08/2014 0913	62518

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	3.2		0.098	0.098	ug/L	2
Surrogate	Q	Run 2 % Recovery	Acceptance Limits					
1,1,1,2-Tetrachloroethane		112	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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-001

Description: IGWA R

Matrix: Aqueous

Date Sampled: 12/03/2014 1630

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 1808	FTS	12/08/2014 0910	62509

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	0.051		0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental	Laboratory ID: PL05073-002
Description: IGWA	Matrix: Aqueous
Date Sampled: 12/03/2014 1620	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	12/08/2014 1647	EH1		62553

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	790	J	2000	670	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		1000	20	ug/L	1
Benzene	71-43-2	8260B	1300		100	13	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		500	100	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		100	15	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		100	40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		2000	100	ug/L	1
Ethanol	64-17-5	8260B	ND		10000	3300	ug/L	1
Ethylbenzene	100-41-4	8260B	630		100	33	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		100	40	ug/L	1
Naphthalene	91-20-3	8260B	310		100	40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		2000	670	ug/L	1
Toluene	108-88-3	8260B	6000		100	33	ug/L	1
Xylenes (total)	1330-20-7	8260B	11000		100	33	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		84	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		89	70-130

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-002
Description: IGWA	Matrix: Aqueous
Date Sampled: 12/03/2014 1620	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	8011	8011	5	12/08/2014 2227	MEM	12/08/2014 0913	62518

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	2.0		0.099	0.099	ug/L	2
Surrogate	Q	Run 2 % 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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-002

Description: IGWA

Matrix: Aqueous

Date Sampled: 12/03/2014 1620

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 1825	FTS	12/08/2014 0910	62509

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	0.065		0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-003			
Description: 03538-MW06				Matrix: Aqueous			
Date Sampled: 12/03/2014 1600							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2014 1154	EH1		62553

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		90	70-130					
Bromofluorobenzene		94	70-130					
Toluene-d8		95	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental

Laboratory ID: PL05073-003

Description: 03538-MW06

Matrix: Aqueous

Date Sampled: 12/03/2014 1600

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/08/2014 1442	MEM	12/08/2014 0913	62518

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		98	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 $\geq$ 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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-003

Description: 03538-MW06

Matrix: Aqueous

Date Sampled: 12/03/2014 1600

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 1833	FTS	12/08/2014 0910	62509

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	0.0023	J	0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-004			
Description: 03538-MW22D				Matrix: Aqueous			
Date Sampled: 12/03/2014 1550							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2014 1216	EH1		62553

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		89	70-130					
Bromofluorobenzene		93	70-130					
Toluene-d8		93	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-004
Description: 03538-MW22D	Matrix: Aqueous
Date Sampled: 12/03/2014 1550	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch				
1	8011	8011	1	12/08/2014 1452	MEM	12/08/2014 0913	62518				
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			107	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 $\geq$ 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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-004

Description: 03538-MW22D

Matrix: Aqueous

Date Sampled: 12/03/2014 1550

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 1845	FTS	12/08/2014 0910	62509

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	0.0034	J	0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-005			
Description: 03538-MW27				Matrix: Aqueous			
Date Sampled: 12/03/2014 1345							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2014 1239	EH1		62553

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		91	70-130					
Bromofluorobenzene		94	70-130					
Toluene-d8		94	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental

Laboratory ID: PL05073-005

Description: 03538-MW27

Matrix: Aqueous

Date Sampled: 12/03/2014 1345

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/08/2014 1503	MEM	12/08/2014 0913	62518

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		109	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 $\geq$ 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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-005

Description: 03538-MW27

Matrix: Aqueous

Date Sampled: 12/03/2014 1345

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 1850	FTS	12/08/2014 0910	62509

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-006			
Description: 03538-MW07				Matrix: Aqueous			
Date Sampled: 12/03/2014 1640							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	12/08/2014 1709	EH1		62553

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		1000	340	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		500	10	ug/L	1
Benzene	71-43-2	8260B	210		50	6.6	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		250	50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		50	7.4	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		50	20	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		1000	50	ug/L	1
Ethanol	64-17-5	8260B	ND		5000	1700	ug/L	1
Ethylbenzene	100-41-4	8260B	1300		50	17	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		50	10	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		50	20	ug/L	1
Naphthalene	91-20-3	8260B	270		50	20	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		1000	340	ug/L	1
Toluene	108-88-3	8260B	740		50	17	ug/L	1
Xylenes (total)	1330-20-7	8260B	3700		50	17	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4		81	70-130					
Bromofluorobenzene		95	70-130					
Toluene-d8		89	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-006
Description: 03538-MW07	Matrix: Aqueous
Date Sampled: 12/03/2014 1640	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch				
1	8011	8011	1	12/08/2014 1513	MEM	12/08/2014 0913	62518				
Parameter			CAS	Analytical	Result		Q	PQL	MDL	Units	Run
			Number	Method							
1,2-Dibromoethane (EDB)			106-93-4	8011	ND			0.020	0.020	ug/L	1
Surrogate		Q	Run 1	Acceptance							
			% Recovery	Limits							
1,1,1,2-Tetrachloroethane			130	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 $\geq$ 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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-006

Description: 03538-MW07

Matrix: Aqueous

Date Sampled: 12/03/2014 1640

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 1854	FTS	12/08/2014 0910	62509

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	0.0081	J	0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental	Laboratory ID: PL05073-007
Description: 03538-MW04	Matrix: Aqueous
Date Sampled: 12/03/2014 1315	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	200	12/08/2014 1732	EH1		62553

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	2800	J	4000	1300	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		2000	40	ug/L	1
Benzene	71-43-2	8260B	3600		200	26	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		1000	200	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		200	29	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		200	80	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		4000	200	ug/L	1
Ethanol	64-17-5	8260B	ND		20000	6600	ug/L	1
Ethylbenzene	100-41-4	8260B	810		200	66	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		200	40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		200	80	ug/L	1
Naphthalene	91-20-3	8260B	710		200	80	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		4000	1300	ug/L	1
Toluene	108-88-3	8260B	9100		200	66	ug/L	1
Xylenes (total)	1330-20-7	8260B	10000		200	66	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4		83	70-130					
Bromofluorobenzene		96	70-130					
Toluene-d8		88	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-007
Description: 03538-MW04	Matrix: Aqueous
Date Sampled: 12/03/2014 1315	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	8011	8011	5	12/08/2014 2258	MEM	12/08/2014 0913	62518

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	2.2		0.097	0.097	ug/L	2
Surrogate	Q	Run 2 % Recovery	Acceptance Limits					
1,1,1,2-Tetrachloroethane		117	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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-007

Description: 03538-MW04

Matrix: Aqueous

Date Sampled: 12/03/2014 1315

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 1858	FTS	12/08/2014 0910	62509

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	0.11		0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-008			
Description: DUP B				Matrix: Aqueous			
Date Sampled: 12/03/2014 1320							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	12/08/2014 1754	EH1		62553

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	2800		2000	670	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		1000	20	ug/L	1
Benzene	71-43-2	8260B	4000		100	13	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		500	100	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		100	15	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		100	40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		2000	100	ug/L	1
Ethanol	64-17-5	8260B	ND		10000	3300	ug/L	1
Ethylbenzene	100-41-4	8260B	820		100	33	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		100	40	ug/L	1
Naphthalene	91-20-3	8260B	640		100	40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		2000	670	ug/L	1
Toluene	108-88-3	8260B	9600		100	33	ug/L	1
Xylenes (total)	1330-20-7	8260B	9500		100	33	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4		83	70-130					
Bromofluorobenzene		96	70-130					
Toluene-d8		89	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-008
Description: DUP B	Matrix: Aqueous
Date Sampled: 12/03/2014 1320	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	8011	8011	5	12/08/2014 2308	MEM	12/08/2014 0913	62518

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	2.0		0.098	0.098	ug/L	2
Surrogate	Q	Run 2 % Recovery	Acceptance Limits					
1,1,1,2-Tetrachloroethane		111	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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-008

Description: DUP B

Matrix: Aqueous

Date Sampled: 12/03/2014 1320

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 1902	FTS	12/08/2014 0910	62509

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	0.13		0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-009			
Description: 03538-MW20				Matrix: Aqueous			
Date Sampled: 12/03/2014 1445							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2014 1301	EH1		62553

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		89	70-130					
Bromofluorobenzene		94	70-130					
Toluene-d8		93	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental

Laboratory ID: PL05073-009

Description: 03538-MW20

Matrix: Aqueous

Date Sampled: 12/03/2014 1445

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/08/2014 1544	MEM	12/08/2014 0913	62518

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		106	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 $\geq$ 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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-009

Description: 03538-MW20

Matrix: Aqueous

Date Sampled: 12/03/2014 1445

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 1906	FTS	12/08/2014 0910	62509

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-010			
Description: 03538-MW28				Matrix: Aqueous			
Date Sampled: 12/03/2014 1615							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2014 1324	EH1		62553

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		91	70-130					
Bromofluorobenzene		92	70-130					
Toluene-d8		94	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-010
Description: 03538-MW28	Matrix: Aqueous
Date Sampled: 12/03/2014 1615	
Date Received: 12/05/2014	

Run 1	Prep Method 8011	Analytical Method 8011	Dilution 1	Analysis Date 12/08/2014 1554	Analyst MEM	Prep Date 12/08/2014 0913	Batch 62518			
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			129	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 $\geq$ 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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-010

Description: 03538-MW28

Matrix: Aqueous

Date Sampled: 12/03/2014 1615

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 1910	FTS	12/08/2014 0910	62509

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	0.0033	J	0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-011			
Description: TRIP BLANK 1				Matrix: Aqueous			
Date Sampled: 12/03/2014							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2014 1109	EH1		62553

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		90	70-130					
Bromofluorobenzene		93	70-130					
Toluene-d8		94	70-130					

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

Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-012			
Description: 03538-MW21				Matrix: Aqueous			
Date Sampled: 12/03/2014 1330							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2014 1346	EH1		62553

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		90	70-130					
Bromofluorobenzene		94	70-130					
Toluene-d8		94	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-012
Description: 03538-MW21	Matrix: Aqueous
Date Sampled: 12/03/2014 1330	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/08/2014 1605	MEM	12/08/2014 0913	62518

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		102	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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-012

Description: 03538-MW21

Matrix: Aqueous

Date Sampled: 12/03/2014 1330

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 1914	FTS	12/08/2014 0910	62509

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	0.0069	J	0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-013			
Description: 03538-MW19				Matrix: Aqueous			
Date Sampled: 12/03/2014 1430							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2014 1409	EH1		62553

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		92	70-130					
Bromofluorobenzene		93	70-130					
Toluene-d8		95	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-013
Description: 03538-MW19	Matrix: Aqueous
Date Sampled: 12/03/2014 1430	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/08/2014 1615	MEM	12/08/2014 0913	62518

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		114	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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-013

Description: 03538-MW19

Matrix: Aqueous

Date Sampled: 12/03/2014 1430

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 1918	FTS	12/08/2014 0910	62509

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-014			
Description: 03538-MW24				Matrix: Aqueous			
Date Sampled: 12/03/2014 1400							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2014 1432	EH1		62553

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		92	70-130					
Bromofluorobenzene		95	70-130					
Toluene-d8		94	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-014
Description: 03538-MW24	Matrix: Aqueous
Date Sampled: 12/03/2014 1400	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch				
1	8011	8011	1	12/08/2014 1625	MEM	12/08/2014 0913	62518				
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			122	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 $\geq$ 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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-014

Description: 03538-MW24

Matrix: Aqueous

Date Sampled: 12/03/2014 1400

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 1922	FTS	12/08/2014 0910	62509

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	0.0020	J	0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-015			
Description: 03538-MW18				Matrix: Aqueous			
Date Sampled: 12/03/2014 1650							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2014 1454	EH1		62553

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	33	ug/L	1
Ethylbenzene	100-41-4	8260B	0.40	J	1.0	0.33	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	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	21		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	12	J	20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
Xylenes (total)	1330-20-7	8260B	80		1.0	0.33	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4		93	70-130					
Bromofluorobenzene		96	70-130					
Toluene-d8		96	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-015
Description: 03538-MW18	Matrix: Aqueous
Date Sampled: 12/03/2014 1650	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/08/2014 1636	MEM	12/08/2014 0913	62518

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		107	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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-015

Description: 03538-MW18

Matrix: Aqueous

Date Sampled: 12/03/2014 1650

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 1935	FTS	12/08/2014 0910	62509

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-016			
Description: 03538-MW22				Matrix: Aqueous			
Date Sampled: 12/03/2014 1540							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2014 1517	EH1		62553

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		88	70-130					
Bromofluorobenzene		94	70-130					
Toluene-d8		94	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-016
Description: 03538-MW22	Matrix: Aqueous
Date Sampled: 12/03/2014 1540	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch				
1	8011	8011	1	12/08/2014 1646	MEM	12/08/2014 0913	62518				
Parameter			CAS	Analytical	Result		Q	PQL	MDL	Units	Run
			Number	Method							
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			108	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 $\geq$ 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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-016

Description: 03538-MW22

Matrix: Aqueous

Date Sampled: 12/03/2014 1540

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 1939	FTS	12/08/2014 0910	62509

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	0.0020	J	0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-017			
Description: 03538-MW17				Matrix: Aqueous			
Date Sampled: 12/03/2014 1500							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	12/08/2014 1817	EH1		62553

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		1000	340	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		500	10	ug/L	1
Benzene	71-43-2	8260B	230		50	6.6	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		250	50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		50	7.4	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		50	20	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		1000	50	ug/L	1
Ethanol	64-17-5	8260B	ND		5000	1700	ug/L	1
Ethylbenzene	100-41-4	8260B	1000		50	17	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		50	10	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		50	20	ug/L	1
Naphthalene	91-20-3	8260B	340		50	20	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		1000	340	ug/L	1
Toluene	108-88-3	8260B	600		50	17	ug/L	1
Xylenes (total)	1330-20-7	8260B	5000		50	17	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4		81	70-130					
Bromofluorobenzene		94	70-130					
Toluene-d8		89	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-017
Description: 03538-MW17	Matrix: Aqueous
Date Sampled: 12/03/2014 1500	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/08/2014 1656	MEM	12/08/2014 0913	62518

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	0.70		0.020	0.020	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,1,1,2-Tetrachloroethane		129	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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-017

Description: 03538-MW17

Matrix: Aqueous

Date Sampled: 12/03/2014 1500

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 1943	FTS	12/08/2014 0910	62509

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	0.031		0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-018			
Description: 03538-MW23				Matrix: Aqueous			
Date Sampled: 12/03/2014 1300							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2014 1539	EH1		62553

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		88	70-130					
Bromofluorobenzene		93	70-130					
Toluene-d8		94	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-018
Description: 03538-MW23	Matrix: Aqueous
Date Sampled: 12/03/2014 1300	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch				
1	8011	8011	1	12/08/2014 1707	MEM	12/08/2014 0913	62518				
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 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 $\geq$ 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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-018

Description: 03538-MW23

Matrix: Aqueous

Date Sampled: 12/03/2014 1300

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 1947	FTS	12/08/2014 0910	62509

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	0.043		0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-019			
Description: 03538-TW02				Matrix: Aqueous			
Date Sampled: 12/03/2014 1245							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2014 1602	EH1		62553

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		83	70-130					
Bromofluorobenzene		94	70-130					
Toluene-d8		89	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-019
Description: 03538-TW02	Matrix: Aqueous
Date Sampled: 12/03/2014 1245	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch				
1	8011	8011	1	12/08/2014 1717	MEM	12/08/2014 0913	62518				
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			104	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 $\geq$ 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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-019

Description: 03538-TW02

Matrix: Aqueous

Date Sampled: 12/03/2014 1245

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 1951	FTS	12/08/2014 0910	62509

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-020			
Description: TRIP BLANK 3				Matrix: Aqueous			
Date Sampled: 12/03/2014							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2014 1131	EH1		62553

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		89	70-130					
Bromofluorobenzene		94	70-130					
Toluene-d8		94	70-130					

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

Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-021			
Description: 03538-MW25				Matrix: Aqueous			
Date Sampled: 12/03/2014 1530							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2014 2327	JJG		62607

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		83	70-130					
Bromofluorobenzene		97	70-130					
Toluene-d8		88	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-021
Description: 03538-MW25	Matrix: Aqueous
Date Sampled: 12/03/2014 1530	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/08/2014 1727	MEM	12/08/2014 0913	62518

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		117	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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-021

Description: 03538-MW25

Matrix: Aqueous

Date Sampled: 12/03/2014 1530

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 1955	FTS	12/08/2014 0910	62509

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	0.0031	J	0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-022			
Description: 03538-MW02				Matrix: Aqueous			
Date Sampled: 12/02/2014 1230							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	12/09/2014 0420	JJG		62607

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	4200		2000	670	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		1000	20	ug/L	1
Benzene	71-43-2	8260B	4800		100	13	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		500	100	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		100	15	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		100	40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		2000	100	ug/L	1
Ethanol	64-17-5	8260B	ND		10000	3300	ug/L	1
Ethylbenzene	100-41-4	8260B	940		100	33	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	250		100	40	ug/L	1
Naphthalene	91-20-3	8260B	260		100	40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		2000	670	ug/L	1
Toluene	108-88-3	8260B	8200		100	33	ug/L	1
Xylenes (total)	1330-20-7	8260B	4500		100	33	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4		85	70-130					
Bromofluorobenzene		96	70-130					
Toluene-d8		89	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-022
Description: 03538-MW02	Matrix: Aqueous
Date Sampled: 12/02/2014 1230	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	8011	8011	50	12/09/2014 0825	MEM	12/08/2014 0913	62518

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	28		0.99	0.99	ug/L	2
Surrogate	Q	Run 2 % Recovery	Acceptance Limits					
1,1,1,2-Tetrachloroethane	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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-022

Description: 03538-MW02

Matrix: Aqueous

Date Sampled: 12/02/2014 1230

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 1959	FTS	12/08/2014 0910	62509

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	0.15		0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-023			
Description: 03538-MW08				Matrix: Aqueous			
Date Sampled: 12/03/2014 1200							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2014 2350	JJG		62607

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		82	70-130					
Bromofluorobenzene		95	70-130					
Toluene-d8		87	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-023
Description: 03538-MW08	Matrix: Aqueous
Date Sampled: 12/03/2014 1200	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch				
1	8011	8011	1	12/08/2014 1819	MEM	12/08/2014 0913	62538				
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			106	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 $\geq$ 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"

ICP-AES

Client: Petra-Tech Environmental				Laboratory ID: PL05073-023			
Description: 03538-MW08				Matrix: Aqueous			
Date Sampled: 12/03/2014 1200							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 2024	FTS	12/08/2014 0910	62510

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	0.031		0.010	0.0019	mg/L	1

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

Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-024			
Description: 03538-MW26				Matrix: Aqueous			
Date Sampled: 12/03/2014 1510							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/09/2014 0012	JJG		62607

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		81	70-130					
Bromofluorobenzene		95	70-130					
Toluene-d8		87	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-024
Description: 03538-MW26	Matrix: Aqueous
Date Sampled: 12/03/2014 1510	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/08/2014 1829	MEM	12/08/2014 0913	62538

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		119	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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-024

Description: 03538-MW26

Matrix: Aqueous

Date Sampled: 12/03/2014 1510

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 2041	FTS	12/08/2014 0910	62510

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	0.0033	J	0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental	Laboratory ID: PL05073-025
Description: 03538-MW16	Matrix: Aqueous
Date Sampled: 12/03/2014 1430	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/09/2014 0035	JJG		62607

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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	1.3		1.0	0.13	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	0.20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	1.1		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	0.62	J	1.0	0.33	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.68	J	1.0	0.33	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4		83	70-130					
Bromofluorobenzene		97	70-130					
Toluene-d8		89	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-025
Description: 03538-MW16	Matrix: Aqueous
Date Sampled: 12/03/2014 1430	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/08/2014 1840	MEM	12/08/2014 0913	62538

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	0.031		0.020	0.020	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,1,1,2-Tetrachloroethane		134	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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-025

Description: 03538-MW16

Matrix: Aqueous

Date Sampled: 12/03/2014 1430

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 2049	FTS	12/08/2014 0910	62510

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental	Laboratory ID: PL05073-026
Description: 03538-MW10R	Matrix: Aqueous
Date Sampled: 12/03/2014 1215	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/09/2014 0057	JJG		62607

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		82	70-130					
Bromofluorobenzene		94	70-130					
Toluene-d8		86	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-026
Description: 03538-MW10R	Matrix: Aqueous
Date Sampled: 12/03/2014 1215	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/08/2014 1910	MEM	12/08/2014 0913	62538

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		94	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 $\geq$ 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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-026

Description: 03538-MW10R

Matrix: Aqueous

Date Sampled: 12/03/2014 1215

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 2053	FTS	12/08/2014 0910	62510

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	0.028		0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-027			
Description: 03538-MW01				Matrix: Aqueous			
Date Sampled: 12/02/2014 1200							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	500	12/09/2014 0527	JJG		62607

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	8800	J	10000	3400	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		5000	100	ug/L	1
Benzene	71-43-2	8260B	17000		500	66	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		2500	500	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		500	74	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		500	200	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		10000	500	ug/L	1
Ethanol	64-17-5	8260B	ND		50000	17000	ug/L	1
Ethylbenzene	100-41-4	8260B	1500		500	170	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		500	100	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	250	J	500	200	ug/L	1
Naphthalene	91-20-3	8260B	820		500	200	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		10000	3400	ug/L	1
Toluene	108-88-3	8260B	27000		500	170	ug/L	1
Xylenes (total)	1330-20-7	8260B	15000		500	170	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4		83	70-130					
Bromofluorobenzene		96	70-130					
Toluene-d8		88	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-027
Description: 03538-MW01	Matrix: Aqueous
Date Sampled: 12/02/2014 1200	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	8011	8011	500	12/09/2014 0835	MEM	12/08/2014 0913	62538

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	210		9.9	9.9	ug/L	2
Surrogate	Q	Run 2 % Recovery	Acceptance Limits					
1,1,1,2-Tetrachloroethane	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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-027

Description: 03538-MW01

Matrix: Aqueous

Date Sampled: 12/02/2014 1200

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 2057	FTS	12/08/2014 0910	62510

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	0.63		0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-028			
Description: 03538-MW15				Matrix: Aqueous			
Date Sampled: 12/03/2014 1230							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/09/2014 0120	JJG		62607

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		83	70-130					
Bromofluorobenzene		95	70-130					
Toluene-d8		88	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-028
Description: 03538-MW15	Matrix: Aqueous
Date Sampled: 12/03/2014 1230	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch				
1	8011	8011	1	12/08/2014 1931	MEM	12/08/2014 0913	62538				
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 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 $\geq$ 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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-028

Description: 03538-MW15

Matrix: Aqueous

Date Sampled: 12/03/2014 1230

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 2101	FTS	12/08/2014 0910	62510

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-029			
Description: 03538-MW03				Matrix: Aqueous			
Date Sampled: 12/02/2014 1300							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	12/09/2014 0442	JJG		62607

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	2200		2000	670	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		1000	20	ug/L	1
Benzene	71-43-2	8260B	2000		100	13	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		500	100	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		100	15	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		100	40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		2000	100	ug/L	1
Ethanol	64-17-5	8260B	ND		10000	3300	ug/L	1
Ethylbenzene	100-41-4	8260B	1600		100	33	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		100	40	ug/L	1
Naphthalene	91-20-3	8260B	780		100	40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		2000	670	ug/L	1
Toluene	108-88-3	8260B	10000		100	33	ug/L	1
Xylenes (total)	1330-20-7	8260B	11000		100	33	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4		85	70-130					
Bromofluorobenzene		96	70-130					
Toluene-d8		88	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-029
Description: 03538-MW03	Matrix: Aqueous
Date Sampled: 12/02/2014 1300	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	8011	8011	5	12/09/2014 0845	MEM	12/08/2014 0913	62538

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	3.5		0.098	0.098	ug/L	2
Surrogate	Q	Run 2 % Recovery	Acceptance Limits					
1,1,1,2-Tetrachloroethane		96	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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-029

Description: 03538-MW03

Matrix: Aqueous

Date Sampled: 12/02/2014 1300

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 2114	FTS	12/08/2014 0910	62510

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	0.10		0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental	Laboratory ID: PL05073-030
Description: MW03 DUP	Matrix: Aqueous
Date Sampled: 12/02/2014 1305	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	12/09/2014 0505	JJG		62607

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	1900	J	2000	670	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260B	ND		1000	20	ug/L	1
Benzene	71-43-2	8260B	2000		100	13	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260B	ND		500	100	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		100	15	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		100	40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		2000	100	ug/L	1
Ethanol	64-17-5	8260B	ND		10000	3300	ug/L	1
Ethylbenzene	100-41-4	8260B	1700		100	33	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		100	20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		100	40	ug/L	1
Naphthalene	91-20-3	8260B	750		100	40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		2000	670	ug/L	1
Toluene	108-88-3	8260B	11000		100	33	ug/L	1
Xylenes (total)	1330-20-7	8260B	10000		100	33	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4		83	70-130					
Bromofluorobenzene		95	70-130					
Toluene-d8		89	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-030
Description: MW03 DUP	Matrix: Aqueous
Date Sampled: 12/02/2014 1305	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	8011	8011	5	12/09/2014 0855	MEM	12/08/2014 0913	62538

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	3.2		0.098	0.098	ug/L	2
Surrogate	Q	Run 2 % Recovery	Acceptance Limits					
1,1,1,2-Tetrachloroethane		105	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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-030

Description: MW03 DUP

Matrix: Aqueous

Date Sampled: 12/02/2014 1305

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 2118	FTS	12/08/2014 0910	62510

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	0.10		0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-031			
Description: FIELD BLANK 1				Matrix: Aqueous			
Date Sampled: 12/02/2014 1313							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2014 2219	JJG		62607

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		80	70-130					
Bromofluorobenzene		95	70-130					
Toluene-d8		88	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-031
Description: FIELD BLANK 1	Matrix: Aqueous
Date Sampled: 12/02/2014 1313	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/08/2014 2002	MEM	12/08/2014 0913	62538

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 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 $\geq$ 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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-031

Description: FIELD BLANK 1

Matrix: Aqueous

Date Sampled: 12/02/2014 1313

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 2122	FTS	12/08/2014 0910	62510

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-032			
Description: FIELD BLANK 2				Matrix: Aqueous			
Date Sampled: 12/03/2014 1207							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2014 2242	JJG		62607

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		82	70-130					
Bromofluorobenzene		95	70-130					
Toluene-d8		89	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-032
Description: FIELD BLANK 2	Matrix: Aqueous
Date Sampled: 12/03/2014 1207	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	12/08/2014 2012	MEM	12/08/2014 0913	62538

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		109	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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-032

Description: FIELD BLANK 2

Matrix: Aqueous

Date Sampled: 12/03/2014 1207

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 2126	FTS	12/08/2014 0910	62510

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental	Laboratory ID: PL05073-033
Description: 03538-MW11	Matrix: Aqueous
Date Sampled: 12/03/2014 1530	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/09/2014 0142	JJG		62607

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		84	70-130					
Bromofluorobenzene		95	70-130					
Toluene-d8		87	70-130					

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

EDB & DBCP by Microextraction

Client: Petra-Tech Environmental	Laboratory ID: PL05073-033
Description: 03538-MW11	Matrix: Aqueous
Date Sampled: 12/03/2014 1530	
Date Received: 12/05/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
1	8011	8011	1	12/08/2014 2023	MEM	12/08/2014 0913	62538			
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			104	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 $\geq$ 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"

ICP-AES

Client: Petra-Tech Environmental

Laboratory ID: PL05073-033

Description: 03538-MW11

Matrix: Aqueous

Date Sampled: 12/03/2014 1530

Date Received: 12/05/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/09/2014 2130	FTS	12/08/2014 0910	62510

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	0.0089	J	0.010	0.0019	mg/L	1

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 $\geq$ 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"

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Volatile Organic Compounds by GC/MS

Client: Petra-Tech Environmental				Laboratory ID: PL05073-034			
Description: TRIP BLANK				Matrix: Aqueous			
Date Sampled: 12/03/2014							
Date Received: 12/05/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/08/2014 2305	JJG		62607

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		82	70-130					
Bromofluorobenzene		96	70-130					
Toluene-d8		89	70-130					

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

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ62553-001

Matrix: Aqueous

Batch: 62553

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	6.7	ug/L	12/08/2014 1046
tert-Amyl methyl ether (TAME)	ND		1	10	0.20	ug/L	12/08/2014 1046
Benzene	ND		1	1.0	0.13	ug/L	12/08/2014 1046
tert-Butyl formate (TBF)	ND		1	5.0	1.0	ug/L	12/08/2014 1046
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	12/08/2014 1046
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	12/08/2014 1046
3,3-Dimethyl-1-butanol	ND		1	20	1.0	ug/L	12/08/2014 1046
Ethanol	ND		1	100	33	ug/L	12/08/2014 1046
Ethylbenzene	ND		1	1.0	0.33	ug/L	12/08/2014 1046
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.20	ug/L	12/08/2014 1046
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	12/08/2014 1046
Naphthalene	ND		1	1.0	0.40	ug/L	12/08/2014 1046
tert-butyl alcohol (TBA)	ND		1	20	6.7	ug/L	12/08/2014 1046
Toluene	ND		1	1.0	0.33	ug/L	12/08/2014 1046
Xylenes (total)	ND		1	1.0	0.33	ug/L	12/08/2014 1046
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		93	70-130				
1,2-Dichloroethane-d4		89	70-130				
Toluene-d8		94	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ62553-002

Matrix: Aqueous

Batch: 62553

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	830		1	83	70-130	12/08/2014 1001
tert-Amyl methyl ether (TAME)	50	46		1	92	70-130	12/08/2014 1001
Benzene	50	44		1	88	70-130	12/08/2014 1001
tert-Butyl formate (TBF)	250	220		1	90	70-130	12/08/2014 1001
1,2-Dichloroethane	50	47		1	94	70-130	12/08/2014 1001
Diisopropyl ether (IPE)	50	45		1	91	70-130	12/08/2014 1001
3,3-Dimethyl-1-butanol	1000	800		1	80	70-130	12/08/2014 1001
Ethanol	5000	4400		1	88	60-140	12/08/2014 1001
Ethylbenzene	50	46		1	93	70-130	12/08/2014 1001
Ethyl-tert-butyl ether (ETBE)	50	44		1	89	70-130	12/08/2014 1001
Methyl tertiary butyl ether (MTBE)	50	46		1	93	70-130	12/08/2014 1001
Naphthalene	50	47		1	93	70-130	12/08/2014 1001
tert-butyl alcohol (TBA)	1000	890		1	89	70-130	12/08/2014 1001
Toluene	50	47		1	94	70-130	12/08/2014 1001
Xylenes (total)	100	91		1	91	70-130	12/08/2014 1001
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		92	70-130				
1,2-Dichloroethane-d4		88	70-130				
Toluene-d8		93	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PL05073-017MS

Matrix: Aqueous

Batch: 62553

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	ND	50000	37000		50	73	70-130	12/08/2014 1839
tert-Amyl methyl ether (TAME)	ND	2500	2100		50	84	70-130	12/08/2014 1839
Benzene	230	2500	2400		50	85	72-127	12/08/2014 1839
tert-Butyl formate (TBF)	ND	13000	8500	N	50	68	70-130	12/08/2014 1839
1,2-Dichloroethane	ND	2500	2200		50	87	59-143	12/08/2014 1839
Diisopropyl ether (IPE)	ND	2500	2100		50	85	70-130	12/08/2014 1839
3,3-Dimethyl-1-butanol	ND	50000	34000	N	50	69	70-130	12/08/2014 1839
Ethanol	ND	250000	180000		50	72	70-130	12/08/2014 1839
Ethylbenzene	1000	2500	3500		50	98	79-132	12/08/2014 1839
Ethyl-tert-butyl ether (ETBE)	ND	2500	2000		50	81	70-130	12/08/2014 1839
Methyl tertiary butyl ether (MTBE)	ND	2500	2100		50	84	60-140	12/08/2014 1839
Naphthalene	340	2500	2800		50	98	62-136	12/08/2014 1839
tert-butyl alcohol (TBA)	ND	50000	40000		50	80	70-130	12/08/2014 1839
Toluene	600	2500	2900		50	92	75-125	12/08/2014 1839
Xylenes (total)	5000	5000	9800		50	96	70-130	12/08/2014 1839
Surrogate	Q	% Rec	Acceptance Limit					
1,2-Dichloroethane-d4		80	70-130					
Bromofluorobenzene		94	70-130					
Toluene-d8		88	70-130					

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PL05073-017MD

Matrix: Aqueous

Batch: 62553

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	ND	50000	36000		50	72	0.86	70-130	20	12/08/2014 1902
tert-Amyl methyl ether (TAME)	ND	2500	2100		50	84	0.15	70-130	20	12/08/2014 1902
Benzene	230	2500	2400		50	86	0.67	72-127	20	12/08/2014 1902
tert-Butyl formate (TBF)	ND	13000	8300	N	50	66	2.3	70-130	20	12/08/2014 1902
1,2-Dichloroethane	ND	2500	2100		50	84	2.4	59-143	20	12/08/2014 1902
Diisopropyl ether (IPE)	ND	2500	2100		50	85	0.22	70-130	20	12/08/2014 1902
3,3-Dimethyl-1-butanol	ND	50000	34000	N	50	69	0.10	70-130	20	12/08/2014 1902
Ethanol	ND	250000	180000		50	72	0.43	70-130	20	12/08/2014 1902
Ethylbenzene	1000	2500	3400		50	95	1.8	79-132	20	12/08/2014 1902
Ethyl-tert-butyl ether (ETBE)	ND	2500	2000		50	78	3.3	70-130	20	12/08/2014 1902
Methyl tertiary butyl ether (MTBE)	ND	2500	2000		50	82	2.6	60-140	20	12/08/2014 1902
Naphthalene	340	2500	2700		50	96	1.9	62-136	20	12/08/2014 1902
tert-butyl alcohol (TBA)	ND	50000	39000		50	78	2.5	70-130	20	12/08/2014 1902
Toluene	600	2500	2900		50	91	0.63	75-125	20	12/08/2014 1902
Xylenes (total)	5000	5000	9600		50	92	2.1	70-130	20	12/08/2014 1902
Surrogate	Q	% Rec	Acceptance Limit							
1,2-Dichloroethane-d4		82	70-130							
Bromofluorobenzene		93	70-130							
Toluene-d8		90	70-130							

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ62607-001

Matrix: Aqueous

Batch: 62607

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	6.7	ug/L	12/08/2014 2140
tert-Amyl methyl ether (TAME)	ND		1	10	0.20	ug/L	12/08/2014 2140
Benzene	ND		1	1.0	0.13	ug/L	12/08/2014 2140
tert-Butyl formate (TBF)	ND		1	5.0	1.0	ug/L	12/08/2014 2140
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	12/08/2014 2140
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	12/08/2014 2140
3,3-Dimethyl-1-butanol	ND		1	20	1.0	ug/L	12/08/2014 2140
Ethanol	ND		1	100	33	ug/L	12/08/2014 2140
Ethylbenzene	ND		1	1.0	0.33	ug/L	12/08/2014 2140
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.20	ug/L	12/08/2014 2140
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	12/08/2014 2140
Naphthalene	ND		1	1.0	0.40	ug/L	12/08/2014 2140
tert-butyl alcohol (TBA)	ND		1	20	6.7	ug/L	12/08/2014 2140
Toluene	ND		1	1.0	0.33	ug/L	12/08/2014 2140
Xylenes (total)	ND		1	1.0	0.33	ug/L	12/08/2014 2140
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		96	70-130				
1,2-Dichloroethane-d4		81	70-130				
Toluene-d8		89	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ62607-002

Matrix: Aqueous

Batch: 62607

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	750		1	75	70-130	12/08/2014 2055
tert-Amyl methyl ether (TAME)	50	42		1	85	70-130	12/08/2014 2055
Benzene	50	44		1	87	70-130	12/08/2014 2055
tert-Butyl formate (TBF)	250	180		1	73	70-130	12/08/2014 2055
1,2-Dichloroethane	50	43		1	86	70-130	12/08/2014 2055
Diisopropyl ether (IPE)	50	42		1	85	70-130	12/08/2014 2055
3,3-Dimethyl-1-butanol	1000	730		1	73	70-130	12/08/2014 2055
Ethanol	5000	3800		1	76	60-140	12/08/2014 2055
Ethylbenzene	50	49		1	97	70-130	12/08/2014 2055
Ethyl-tert-butyl ether (ETBE)	50	41		1	81	70-130	12/08/2014 2055
Methyl tertiary butyl ether (MTBE)	50	42		1	84	70-130	12/08/2014 2055
Naphthalene	50	49		1	98	70-130	12/08/2014 2055
tert-butyl alcohol (TBA)	1000	800		1	80	70-130	12/08/2014 2055
Toluene	50	47		1	94	70-130	12/08/2014 2055
Xylenes (total)	100	95		1	95	70-130	12/08/2014 2055
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		94	70-130				
1,2-Dichloroethane-d4		83	70-130				
Toluene-d8		91	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

EDB & DBCP by Microextraction - MB

Sample ID: PQ62518-001

Batch: 62518

Analytical Method: 8011

Matrix: Aqueous

Prep Method: 8011

Prep Date: 12/08/2014 913

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.020	ug/L	12/08/2014 1330
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		103	57-137				

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and $\geq$ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Level 1 Report v2.1

EDB & DBCP by Microextraction - LCS

Sample ID: PQ62518-002

Matrix: Aqueous

Batch: 62518

Prep Method: 8011

Analytical Method: 8011

Prep Date: 12/08/2014 913

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.27		1	106	60-140	12/08/2014 1340
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		103	57-137				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

EDB & DBCP by Microextraction - MS

Sample ID: PL05073-002MS

Matrix: Aqueous

Batch: 62518

Prep Method: 8011

Analytical Method: 8011

Prep Date: 12/08/2014 913

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	2.0	0.25	1.8	N	1	10	60-140	12/08/2014 1421
Surrogate	Q	% Rec	Acceptance Limit					
1,1,1,2-Tetrachloroethane		89	57-137					

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Level 1 Report v2.1

EDB & DBCP by Microextraction - MSD

Sample ID: PL05073-002MD

Matrix: Aqueous

Batch: 62518

Prep Method: 8011

Analytical Method: 8011

Prep Date: 12/08/2014 913

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)	2.0	0.25	1.8	N	1	35	3.4	60-140	20	12/08/2014 1432
Surrogate	Q	% Rec	Acceptance Limit							
1,1,1,2-Tetrachloroethane		89	57-137							

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

EDB & DBCP by Microextraction - MB

Sample ID: PQ62538-001

Batch: 62538

Analytical Method: 8011

Matrix: Aqueous

Prep Method: 8011

Prep Date: 12/08/2014 913

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.020	ug/L	12/08/2014 1758
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		112	57-137				

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and $\geq$ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Level 1 Report v2.1

EDB & DBCP by Microextraction - LCS

Sample ID: PQ62538-002

Matrix: Aqueous

Batch: 62538

Prep Method: 8011

Analytical Method: 8011

Prep Date: 12/08/2014 913

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.27		1	106	60-140	12/08/2014 1809
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		104	57-137				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Level 1 Report v2.1

EDB & DBCP by Microextraction - MS

Sample ID: PL05073-025MS

Matrix: Aqueous

Batch: 62538

Prep Method: 8011

Analytical Method: 8011

Prep Date: 12/08/2014 913

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.031	0.25	0.29		1	105	60-140	12/08/2014 1850
Surrogate	Q	% Rec	Acceptance Limit					
1,1,1,2-Tetrachloroethane		108	57-137					

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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EDB & DBCP by Microextraction - MSD

Sample ID: PL05073-025MD

Matrix: Aqueous

Batch: 62538

Prep Method: 8011

Analytical Method: 8011

Prep Date: 12/08/2014 913

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)	0.031	0.25	0.29		1	104	0.00	60-140	20	12/08/2014 1900
Surrogate	Q	% Rec	Acceptance Limit							
1,1,1,2-Tetrachloroethane		107	57-137							

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Level 1 Report v2.1

ICP-AES - MB

Sample ID: PQ62509-001

Batch: 62509

Analytical Method: 6010C

Matrix: Aqueous

Prep Method: 3005A

Prep Date: 12/08/2014 910

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Lead	ND		1	0.010	0.0019	mg/L	12/09/2014 1755

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ICP-AES - LCS

Sample ID: PQ62509-002

Matrix: Aqueous

Batch: 62509

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/08/2014 910

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Lead	0.40	0.43		1	108	80-120	12/09/2014 1800

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ICP-AES - LCSD

Sample ID: PQ62509-003

Matrix: Aqueous

Batch: 62509

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/08/2014 910

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Lead	0.40	0.43		1	107	0.67	80-120	20	12/09/2014 1804

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Level 1 Report v2.1

ICP-AES - MS

Sample ID: PL05073-001MS

Matrix: Aqueous

Batch: 62509

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/08/2014 910

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Lead	0.051	0.40	0.46		1	103	75-125	12/09/2014 1812

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Level 1 Report v2.1

ICP-AES - MSD

Sample ID: PL05073-001MD

Matrix: Aqueous

Batch: 62509

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/08/2014 910

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Lead	0.051	0.40	0.48		1	107	3.0	75-125	20	12/09/2014 1817

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ICP-AES - MS

Sample ID: PL05073-002MS

Matrix: Aqueous

Batch: 62509

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/08/2014 910

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Lead	0.065	0.40	0.49		1	108	75-125	12/09/2014 1829

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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ICP-AES - MB

Sample ID: PQ62510-001

Matrix: Aqueous

Batch: 62510

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/08/2014 910

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Lead	ND		1	0.010	0.0019	mg/L	12/09/2014 2003

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ICP-AES - LCS

Sample ID: PQ62510-002

Matrix: Aqueous

Batch: 62510

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/08/2014 910

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Lead	0.40	0.43		1	108	80-120	12/09/2014 2007

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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ICP-AES - LCSD

Sample ID: PQ62510-003

Matrix: Aqueous

Batch: 62510

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/08/2014 910

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Lead	0.40	0.43		1	106	1.8	80-120	20	12/09/2014 2012

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Level 1 Report v2.1

ICP-AES - MS

Sample ID: PL05073-023MS

Matrix: Aqueous

Batch: 62510

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/08/2014 910

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Lead	0.031	0.40	0.42		1	98	75-125	12/09/2014 2028

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Level 1 Report v2.1

ICP-AES - MSD

Sample ID: PL05073-023MD

Matrix: Aqueous

Batch: 62510

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/08/2014 910

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Lead	0.031	0.40	0.43		1	99	1.1	75-125	20	12/09/2014 2032

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ICP-AES - MS

Sample ID: PL05073-024MS

Matrix: Aqueous

Batch: 62510

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/08/2014 910

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Lead	0.0033	0.40	0.41		1	102	75-125	12/09/2014 2045

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results



Chain of Custody Record

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Number 34899

Client Patricia Tech Sav.		Report to Contact Travis Slack		Sampler (Printed Name) Daniel Travis, Jimmy Cameron		Quote No.
Address 2435 E. North St, Ste 108, 2nd Fl		Telephone No. / Fax No. / Email 803.791.9700 / techsav@patriatechenv.com		Waybill No.		Page 1 of 1
City Greenville		State SC		Zip Code 29615		Number of Containers 1
Project Name Constal 76		Preservative 1. Ungas. 4. HNO3 7. NaOH 2. NaOH/ZnA 5. HCL 3. H2SO4 6. Na Tho.		Boilite (See Instructions on back)		
Project Number 514-070-A		P.O. Number		Analysis		Barcode PL05073
Sample ID / Description (Containers for each sample may be combined on one line)		Date		Time		Container / Cooler ID
IGWA R		12/3/14		1630		CL
IGWA		12/3/14		1620		CL
514-070-A		12/3/14		1600		CL
03538 - MW06		12/3/14		1600		CL
03538 - MW22D		12/3/14		1550		CL
03538 - MW27		12/3/14		1345		CL
03538 - MW07		12/3/14		1640		CL
03538 - MW04		12/3/14		1315		CL
Dup B		12/3/14		1320		CL
03538 - MW20		12/3/14		1445		CL

Turn Around Time Required for approval required for expedited TAT		QC Requirements (Specify)		Possible Hazard Identification	
Standard ☒ Rush (Specify)		36 HR		☒ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown	
1. Relinquished by / Sampler		1. Received by		Date	
2. Relinquished by		2. Received by		Date	
3. Relinquished by		3. Received by		Date	
4. Relinquished by		4. Laboratory Received by		Date	
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. 1.2 °C 2.3 , 0.9	

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Number 40582

Client		Report to Contact		Telephone No. / E-mail		Quote No.	
Petro-Tech Env.		Trevor Shuck					
Address		Sampler's Signature		Analysis (Attach list if more space is needed)			
435 E. North St., Ste 1108-202							
City		State		Zip Code			
Greenville		SC		29615			
Project Name		Printed Name					
Coastal 76							
Project No.		P.O. No.					
014-010-A1							
Sample ID / Description		Date		Time			
(Containers for each sample may be combined on one line.)							
08538 - Two2	12/3/14	1245	G				
Trip Blank 3	-	-	-				
Temp Blank 3	-	-	-				
08538 - MW25	12/3/14	1530	G				
08538 - MW02	12/3/14	1230					
08538 - MW08	12/3/14	1200					
08538 - MW26	12/3/14	1510					
08538 - MW16	12/3/14	1130					
08538 - MW10R	12/3/14	1215					
08538 - MW01	12/3/14	1200					

Sample Disposal		Possible Hazard Identification		QC Requirements (Specify)	
Return to Client	Disposal by Lab	Non-Hazard	Hazardous	SCATEC 1.5T	
☒	☒	☒	☐	☐	☐
1. Relinquished by	Date	Time	1. Received by	Date	Time
	12/5/14	1225		12/5/14	1228
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	Date	Time	4. Laboratory received by	Date	Time
	12/5/14	1200		12/5/14	1205

LAB USE ONLY		Receipt Temp	
Received on line (Circle)	Ice Pack	Receipt Temp	
☒	☒	1.2 °C	7B

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

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

Document Number: FAD-133 Effective Date: 08-01-2014

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www.shealyiab.com

Number 40586

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

2-3.
Document Number: FAD-123 Effective Date: 06-01-2014

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Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 16

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

Sample Receipt Checklist (SRC)

Client: Petra Tech Cooler Inspected by/date: EL 12/5/14 Lot #: PL05073

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/Original temperature upon receipt/Derived (corrected) temperature upon receipt: <u>60711212 °C</u> <u>205512423 °C</u> <u>11.0 10.9 °C</u> <u>1 1 °C</u>		
Method: ☒ Temperature Blank ☐ Against Bottles ☐ IR Gun ID: #4 ☐ IR Gun Correction Factor: _____ °C		
Method of coolant: ☒ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None		
Yes ☐	No ☐	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 ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☒	No ☐	5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	5a. Were samples relinquished by client to commercial courier?
Yes ☒	No ☐	6. Were sample IDs listed on the COC?
Yes ☒	No ☐	7. Were sample IDs listed on all sample containers?
Yes ☒	No ☐	8. Was collection date & time listed on the COC?
Yes ☒	No ☐	9. Was collection date & time listed on all sample containers?
Yes ☒	No ☐	10. Did all container label information (ID, date, time) agree with the COC?
Yes ☒	No ☐	11. Were tests to be performed listed on the COC?
Yes ☒	No ☐	12. Did all samples arrive in the proper containers for each test?
Yes ☒	No ☐	13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☒	No ☐	14. Was adequate sample volume available?
Yes ☐	No ☒	15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☒	16. Were any samples containers missing?
Yes ☒	No ☐	17. Were there any excess samples not listed on COC? <u>MW-11 (-033)</u> Trip Blank
Yes ☐	No ☐	18. Were bubbles present > "pea-size" (¼" or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	21. Were all applicable NH ₃ /TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☐	24. Was the quote number used taken from the container label?
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 ₂ SO ₄ , HNO ₃ , HCl, NaOH) using SR # _____		
Sample(s) <u>-005 (2)</u> were received with bubbles >6 mm in diameter.		
Sample(s) _____ were received with TRC >0.2 mg/L (If #21 is No)		
SC Drinking Water Project Sample(s) pH verified to be > 2 by _____ Date: _____		
Sample(s) <u>6</u> were not received at a pH of <2 and were adjusted accordingly using SR# _____		
Sample labels applied by: _____ Verified by: _____ Date: <u>12/5/14</u>		

Comments:

-033 Rec'd 6 Vol vials + 1 metals bottle labeled MW-11
Collected on 12/3/14 @ 1530 but not listed on COCs
-033 TB vials rec'd (Project: Mauldin Sanitation) not listed on COC
EL

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Report of Analysis

Petra-Tech Environmental
2435 East North Street
Suite 1108-202
Greenville, SC 29615
Attention: Trever Slack

Project Name: Coastal 76 Truck Stop

Project Number: J14-070-A

Lot Number: PL15035

Date Completed: 12/17/2014



Lucas Odom
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.

*** PL 15035 ***

SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DENR No: 329

NC Field Parameters No: 5639

Case Narrative Petra-Tech Environmental Lot Number: PL15035

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.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary Petra-Tech Environmental Lot Number: PL15035

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	TW01	Aqueous	12/12/2014 1200	12/15/2014
002	MW-14	Aqueous	12/12/2014 1235	12/15/2014
003	MW-23 (resample)	Aqueous	12/12/2014 1305	12/15/2014
004	MW-22 (resample)	Aqueous	12/12/2014 1335	12/15/2014
005	Field Blank	Aqueous	12/12/2014 1250	12/15/2014
006	Trip Blank	Aqueous	12/12/2014	12/15/2014

(6 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary Petra-Tech Environmental Lot Number: PL15035

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
002	MW-14	Aqueous	tert-Amyl alcohol (TAA)	8260B	7.9	J	ug/L	6
002	MW-14	Aqueous	Benzene	8260B	2.8		ug/L	6
002	MW-14	Aqueous	Ethylbenzene	8260B	5.3		ug/L	6
002	MW-14	Aqueous	Naphthalene	8260B	1.3		ug/L	6
002	MW-14	Aqueous	Toluene	8260B	2.0		ug/L	6
002	MW-14	Aqueous	Xylenes (total)	8260B	4.9		ug/L	6

(6 detections)

Client: Petra-Tech Environmental	Laboratory ID: PL15035-001
Description: TW01	Matrix: Aqueous
Date Sampled: 12/12/2014 1200	
Date Received: 12/15/2014	

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/17/2014 0203	PMM2		63236		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1	
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1	
Toluene	108-88-3	8260B	ND		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		87	70-130						
Bromofluorobenzene		99	70-130						
Toluene-d8		96	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	12/16/2014 1558	DRB1	12/16/2014 1001	63143		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.018	0.018	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		106	57-137						

ICP-AES

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	3005A	6010C	1	12/16/2014 1732	RKT	12/15/2014 2015	63112		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1	

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: Petra-Tech Environmental	Laboratory ID: PL15035-002
Description: MW-14	Matrix: Aqueous
Date Sampled: 12/12/2014 1235	
Date Received: 12/15/2014	

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/17/2014 0226	PMM2		63236		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260B	7.9	J	20	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	2.8		1.0	0.13	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260B	ND		5.0	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		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1	
Ethanol	64-17-5	8260B	ND		100	33	ug/L	1	
Ethylbenzene	100-41-4	8260B	5.3		1.0	0.33	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260B	ND		1.0	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	1.3		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260B	ND		20	6.7	ug/L	1	
Toluene	108-88-3	8260B	2.0		1.0	0.33	ug/L	1	
Xylenes (total)	1330-20-7	8260B	4.9		1.0	0.33	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		89	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	12/16/2014 1608	DRB1	12/16/2014 1001	63143		
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		111	57-137						

ICP-AES

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	3005A	6010C	1	12/16/2014 1748	RKT	12/15/2014 2015	63112		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1	

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: Petra-Tech Environmental	Laboratory ID: PL15035-003
Description: MW-23 (resample)	Matrix: Aqueous
Date Sampled: 12/12/2014 1305	
Date Received: 12/15/2014	

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/17/2014 0248	PMM2		63236

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		87	70-130					
Bromofluorobenzene		97	70-130					
Toluene-d8		93	70-130					

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

Client: Petra-Tech Environmental	Laboratory ID: PL15035-004
Description: MW-22 (resample)	Matrix: Aqueous
Date Sampled: 12/12/2014 1335	
Date Received: 12/15/2014	

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/17/2014 0311	PMM2		63236

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		89	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		92	70-130

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

Client: Petra-Tech Environmental	Laboratory ID: PL15035-005
Description: Field Blank	Matrix: Aqueous
Date Sampled: 12/12/2014 1250	
Date Received: 12/15/2014	

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/17/2014 0118	PMM2		63236

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260B	ND		20	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		5.0	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		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260B	ND		20	1.0	ug/L	1
Ethanol	64-17-5	8260B	ND		100	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		1.0	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	ND		20	6.7	ug/L	1
Toluene	108-88-3	8260B	ND		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		89	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	12/16/2014 1639	DRB1	12/16/2014 1001	63143

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		104	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"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ63236-001

Matrix: Aqueous

Batch: 63236

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	6.7	ug/L	12/17/2014 0056
tert-Amyl methyl ether (TAME)	ND		1	10	0.20	ug/L	12/17/2014 0056
Benzene	ND		1	1.0	0.13	ug/L	12/17/2014 0056
tert-Butyl formate (TBF)	ND		1	5.0	1.0	ug/L	12/17/2014 0056
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	12/17/2014 0056
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	12/17/2014 0056
3,3-Dimethyl-1-butanol	ND		1	20	1.0	ug/L	12/17/2014 0056
Ethanol	ND		1	100	33	ug/L	12/17/2014 0056
Ethylbenzene	ND		1	1.0	0.33	ug/L	12/17/2014 0056
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.20	ug/L	12/17/2014 0056
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	12/17/2014 0056
Naphthalene	ND		1	1.0	0.40	ug/L	12/17/2014 0056
tert-butyl alcohol (TBA)	ND		1	20	6.7	ug/L	12/17/2014 0056
Toluene	ND		1	1.0	0.33	ug/L	12/17/2014 0056
Xylenes (total)	ND		1	1.0	0.33	ug/L	12/17/2014 0056
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		97	70-130				
1,2-Dichloroethane-d4		88	70-130				
Toluene-d8		94	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ63236-002

Matrix: Aqueous

Batch: 63236

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	950		1	95	70-130	12/17/2014 0011
tert-Amyl methyl ether (TAME)	50	45		1	90	70-130	12/17/2014 0011
Benzene	50	45		1	90	70-130	12/17/2014 0011
tert-Butyl formate (TBF)	250	220		1	89	70-130	12/17/2014 0011
1,2-Dichloroethane	50	46		1	93	70-130	12/17/2014 0011
Diisopropyl ether (IPE)	50	47		1	95	70-130	12/17/2014 0011
3,3-Dimethyl-1-butanol	1000	980		1	98	70-130	12/17/2014 0011
Ethanol	5000	4700		1	93	60-140	12/17/2014 0011
Ethylbenzene	50	48		1	97	70-130	12/17/2014 0011
Ethyl-tert-butyl ether (ETBE)	50	47		1	93	70-130	12/17/2014 0011
Methyl tertiary butyl ether (MTBE)	50	45		1	91	70-130	12/17/2014 0011
Naphthalene	50	48		1	95	70-130	12/17/2014 0011
tert-butyl alcohol (TBA)	1000	960		1	96	70-130	12/17/2014 0011
Toluene	50	48		1	96	70-130	12/17/2014 0011
Xylenes (total)	100	97		1	97	70-130	12/17/2014 0011
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		97	70-130				
1,2-Dichloroethane-d4		89	70-130				
Toluene-d8		96	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

EDB & DBCP by Microextraction - MB

Sample ID: PQ63143-001

Batch: 63143

Analytical Method: 8011

Matrix: Aqueous

Prep Method: 8011

Prep Date: 12/16/2014 1001

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.020	ug/L	12/16/2014 1527
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		103	57-137				

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and $\geq$ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

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EDB & DBCP by Microextraction - LCS

Sample ID: PQ63143-002

Matrix: Aqueous

Batch: 63143

Prep Method: 8011

Analytical Method: 8011

Prep Date: 12/16/2014 1001

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.33		1	130	60-140	12/16/2014 1537
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		114	57-137				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.

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EDB & DBCP by Microextraction - MS

Sample ID: PL15035-002MS

Matrix: Aqueous

Batch: 63143

Prep Method: 8011

Analytical Method: 8011

Prep Date: 12/16/2014 1001

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	0.24	0.32		1	130	60-140	12/16/2014 1619
Surrogate	Q	% Rec	Acceptance Limit					
1,1,1,2-Tetrachloroethane		114	57-137					

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.

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EDB & DBCP by Microextraction - MSD

Sample ID: PL15035-002MD

Matrix: Aqueous

Batch: 63143

Prep Method: 8011

Analytical Method: 8011

Prep Date: 12/16/2014 1001

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	0.24	0.31		1	131	1.1	60-140	20	12/16/2014 1629
Surrogate	Q	% Rec	Acceptance Limit							
1,1,1,2-Tetrachloroethane		116	57-137							

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ICP-AES - MB

Sample ID: PQ63112-001

Matrix: Aqueous

Batch: 63112

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/15/2014 2015

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Lead	ND		1	0.010	0.0019	mg/L	12/16/2014 1714

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ICP-AES - LCS

Sample ID: PQ63112-002

Matrix: Aqueous

Batch: 63112

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/15/2014 2015

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Lead	0.40	0.42		1	105	80-120	12/16/2014 1726

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ICP-AES - LCSD

Sample ID: PQ63112-003

Batch: 63112

Analytical Method: 6010C

Matrix: Aqueous

Prep Method: 3005A

Prep Date: 12/15/2014 2015

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Lead	0.40	0.42		1	104	1.3	80-120	20	12/16/2014 1729

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.

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ICP-AES - MS

Sample ID: PL15035-001MS

Matrix: Aqueous

Batch: 63112

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/15/2014 2015

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Lead	ND	0.40	0.43		1	108	75-125	12/16/2014 1735

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ICP-AES - MSD

Sample ID: PL15035-001MD

Matrix: Aqueous

Batch: 63112

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/15/2014 2015

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Lead	ND	0.40	0.44		1	109	0.81	75-125	20	12/16/2014 1739

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results



Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.

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

Number 40767

Client		Report to Contact		Telephone No. / E-mail		Quote No.	
Petra-Tech Env.		Travis Slink		t.slink@petrotechenv.com		PL15035	
Address		Sample's Signature		Analysis (Attach list if more space is needed)		Page 1 of 1	
2435 G. North St, Ste 1108-202		[Signature]					
City		State		Zip Code			
Greenville		SC		29615			
Project Name		Project No.		P.O. No.			
Castrol 76 Truck Stop		JH-070-A					
Sample ID / Description		Date		Time			
(Containers for each sample may be combined on one line)							
Twp1	12/12/14	1200	6	Agar	16	1601 G03	6010 Lead
MW-14	12/12/14	1235	6	Agar	16		
MW-23 (resample)	12/12/14	1305	6	Agar	3		
MW-22 (resample)	12/12/14	1335	6	Agar	3		
Field Blank	12/12/14	1250	6	Agar	16		
Trip Blank	—	—	—	Agar	2		
Temp Blank	—	—	—	Agar	—		

Turn Around Time Required (Prior lab approval required for expedited TAT.)		Sample Disposal		Possible Hazard Identification		QC Requirements (Specify)	
Standard	Rush (Specify) or HAZ	Return to Client	Disposal by Lab	Non-Hazard	Flammable	Skin Irritant	Poison
1. Relinquished by	12/15/14	1730	Time	1. Received by	12/15/14	1730	Time
2. Relinquished by			Time	2. Received by			Time
3. Relinquished by			Time	3. Received by			Time
4. Relinquished by			Time	4. Laboratory received by	12-15-14	1730	Time

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

LAB USE ONLY
 Received on (Date) (Circle) Yes No
 Receipt Temp. 4-3 °C

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

Document Number: F-AQ-133 Effective Date: 08-01-2014

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 16

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

Sample Receipt Checklist (SRC)

Client: Petra-Tech Cooler Inspected by/date: KUP / 12-15-14 Lot #: PL15035

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/Original temperature upon receipt/Derived (corrected) temperature upon receipt: <u>H-414.3°C</u> / / °C / / °C / / °C		
Method: ☒ Temperature Blank ☐ Against Bottles IR Gun ID: # <u>4</u> IR Gun Correction Factor: <u>0.1°C</u>		
Method of coolant: ☐ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None		
Yes ☐	No ☐	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 ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☒	No ☐	5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	5a Were samples relinquished by client to commercial courier?
Yes ☒	No ☐	6. Were sample IDs listed on the COC?
Yes ☒	No ☐	7. Were sample IDs listed on all sample containers?
Yes ☒	No ☐	8. Was collection date & time listed on the COC?
Yes ☒	No ☐	9. Was collection date & time listed on all sample containers?
Yes ☒	No ☐	10. Did all container label information (ID, date, time) agree with the COC?
Yes ☒	No ☐	11. Were tests to be performed listed on the COC?
Yes ☒	No ☐	12. Did all samples arrive in the proper containers for each test?
Yes ☒	No ☐	13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☒	No ☐	14. Was adequate sample volume available?
Yes ☐	No ☒	15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☒	16. Were any samples containers missing?
Yes ☐	No ☒	17. Were there any excess samples not listed on COC?
Yes ☐	No ☒	18. Were bubbles present >"pea-size" (¼" or 6mm in diameter) in any VOA vials?
Yes ☒	No ☐	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☒	24. Was the quote number used taken from the container label?

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 _____ (H₂SO₄, HNO₃, HCl, NaOH) using SR # _____

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

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

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

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

Sample labels applied by: KUP Verified by: _____ Date: 12-15-14

Comments:

**COASTAL 76 TRUCK STOP – UST PERMIT #03538
TIER II ASSESSMENT REPORT**

APPENDIX C

TAX MAP AND TAX MAP INFORMATION TABLE

Not Applicable to Current Scope of Work

**COASTAL 76 TRUCK STOP – UST PERMIT #03538
TIER II ASSESSMENT REPORT**

APPENDIX D

**SOIL BORING LOGS, FIELD SCREENING LOGS, WATER WELL RECORDS
(DHEC FORM 1903)**



Water Well Record Bureau of Water

2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:

Name: Coastal 76

(last) (first)
Address: 2513 E. Palmetto Street

City: Florence State: SC Zip:

Phone: N/A

7. PERMIT NUMBER:

MWA #UMW-25643; UST Permit #03538

8. USE:

Residential Public Supply Process
Irrigation Air Conditioning Emergency
Test Well Monitor Well Replacement

9. WELL DEPTH (completed)

35

ft. Date Started: 10/1/14
Date Completed: 10/2/14

2. LOCATION OF WELL:

COUNTY: Florence

Name: Coastal 76

Address: 2513 E. Palmetto Street

City: Florence, SC

10. CASING:

Threaded

Welded

Diameter: 1 1/4

Type: Steel

1 1/4

in. to 31 ft. depth

in. to ft. depth

Height: Below

Surface: ft. Weight: lb./ft.

Drive Shoe:

3. PUBLIC SYSTEM NAME 03538-

4. ABANDONMENT:

Yes

Grouted Depth: from 0.00 to 35 ft.

11. SCREEN:

Type: Steel

Diameter: 1 1/4

Slot/Gauge: 4

Length: 4

Set Between: 31 ft. and 35 ft.

ft. and ft.

Sieve Analysis: Y/N

12. STATIC WATER LEVEL 9.0 ft. below land surface after 24 hours.

13. PUMPING LEVEL Below Land Surface.

ft. after hrs Pumping GPM

Pumping Test:

Yield:

14. WATER QUALITY

Chemical Analysis:

Bacterial Analysis:

15. ARTIFICIAL FILTER (filter pack)

Installed from: ft. to ft.

Effective Size: Uniformity Coefficient:

16. WELL GROUTED?

Neat Cement

Bentonite

Bentonite/Cement

Other

Depth: From ft. to ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction

Type:

Well Disinfected: Type: Amount:

18. PUMP:

Date installed:

Mfr. Name:

Model no.:

H.P.:

Volts:

Length of pipe: ft.

Capacity:

gpm

TYPE:

Submersible

Jet (shallow)

Turbine

Jet (deep)

Reciprocating

Centrifugal

19. WELL DRILLER:

Joe Smith

CERT NO.: 1648B

Address:

Smith Drilling Services

Level: A B C D

2443 High Meadows Court

(circle one)

Conyers, Georgia 30094

Telephone: 678-201-9849

Fax:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under

my direction and this report is true to the best of my knowledge and belief.

Signed:

Date:

10/2/14

If D Level Driller, provide supervising driller's name.

5. REMARKS:

OVA/PTD
0-0

6. TYPE:

Mud Rotary

Jetted

Bored

Dug

Air Rotary

Driven

Cable tool

Auger

Other



Water Well Record Bureau of Water

2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:

Name: Coastal 76

(last) (first)
Address: 2513 E. Palmetto Street

City: Florence State: SC Zip:

Phone: N/A

7. PERMIT NUMBER:

MWA #JMW-25643; UST Permit #03538

8. USE:

Residential Public Supply Process
Irrigation Air Conditioning Emergency
Test Well Monitor Well Replacement

9. WELL DEPTH (completed)

11

ft.

Date Started: 10/1/14

Date Completed: 10/2/14

10. CASING:

Threaded

Welded

Diameter: 1"

Type: PVC

in. to 6 ft. depth

in. to ft. depth

Height: Below

Surface: ft.

Weight: lb./ft.

Drive Shoe:

11. SCREEN:

Type: PVC

Diameter: 1"

Slot/Gauge: 0.01

Length: 5'

Set Between: 6

ft. and 11 ft.

ft. and ft.

Sieve Analysis: Y/N

12. STATIC WATER LEVEL 8.3 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.

ft. after hrs Pumping GPM

Pumping Test:

Yield:

14. WATER QUALITY

Chemical Analysis:

Bacterial Analysis:

15. ARTIFICIAL FILTER (filter pack)

Installed from: ft. to ft.

Effective Size: Uniformity Coefficient:

16. WELL GROUTED?

Neat Cement

Bentonite

Bentonite/Cement

Other

Depth: From

ft. to

ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction

Type:

Well Disinfected:

Type:

Amount:

18. PUMP:

Date installed:

Mfr. Name:

Model no.:

H.P.:

Volts:

Length of pipe: ft.

Capacity:

gpm

TYPE:

Submersible

Jet (shallow)

Turbine

Jet (deep)

Reciprocating

Centrifugal

19. WELL DRILLER:

Joe Smith

CERT NO.: 1648B

Address:

Smith Drilling Services

Level: A B C D

2443 High Meadows Court

(circle one)

Conyers, Georgia 30094

Telephone: 678-201-9849

Fax:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed:

Date:

10/2/14

If D Level Driller, provide supervising driller's name.

5. REMARKS:

1" temp well

OVA/PAD
0.0

6. TYPE:

Mud Rotary

Jetted

Bored

Dug

Air Rotary

Driven

Cable tool

Auger

Other



Water Well Record Bureau of Water

2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:

Name: Coastal 76

(last) (first)
Address: 2513 E. Palmetto Street

City: Florence State: SC Zip:

Phone: N/A

7. PERMIT NUMBER:

MWA #JMW-25643; UST Permit #03538

8. USE:

Residential Public Supply Process
Irrigation Air Conditioning Emergency
Test Well Monitor Well Replacement

9. WELL DEPTH (completed)

35

ft. Date Started: 10/1/14
Date Completed: 10/2/14

2. LOCATION OF WELL:

COUNTY: ~~Marion~~ Florence

Name: Coastal 76

Address: 2513 E. Palmetto Street

City: Florence, SC

10. CASING:

Threaded

Welded

Diameter: 1 1/4

Type: Steel

1 1/4

in. to 31 ft. depth

in. to ft. depth

Height: Below

Surface: ft.

Weight: lb./ft.

Drive Shoe:

3. PUBLIC SYSTEM NAME 03538-

GW05D

4. ABANDONMENT:

Yes

Grouted Depth: from 0.00 to 35 ft.

11. SCREEN:

Type: Steel

Diameter: 1 1/4"

Slot/Gauge:

Length: 4'

Set Between: 31'

ft. and 35' ft.

ft. and ft.

Sieve Analysis: Y/N

12. STATIC WATER LEVEL 8.0 ft. below land surface after 24 hours.

13. PUMPING LEVEL Below Land Surface.

ft. after hrs Pumping GPM

Pumping Test:

Yield:

14. WATER QUALITY

Chemical Analysis:

Bacterial Analysis:

15. ARTIFICIAL FILTER (filter pack)

Installed from: ft. to ft.

Effective Size: Uniformity Coefficient:

16. WELL GROUTED?

Neat Cement

Bentonite

Bentonite/Cement

Other

Depth: From

ft. to

ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction

Type:

Well Disinfected:

Type:

Amount:

18. PUMP:

Date installed:

Mfr. Name:

Model no.:

H.P.:

Volts:

Length of pipe: ft.

Capacity:

gpm

TYPE:

Submersible

Jet (shallow)

Turbine

Jet (deep)

Reciprocating

Centrifugal

19. WELL DRILLER:

Joe Smith

CERT NO.: 1648B

Address:

Smith Drilling Services

Level: A (B) C D

2443 High Meadows Court

(circle one)

Conyers, Georgia 30094

Telephone: 678-201-9849

Fax:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under

my direction and this report is true to the best of my knowledge and belief.

Signed:

Date:

10/2/14

5. REMARKS:

0.0

6. TYPE:

Mud Rotary

Jetted

Bored

Dug

Air Rotary

Driven

Cable tool

Auger

Other

If D Level Driller, provide supervising driller's name.



Water Well Record Bureau of Water

2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:

Name: Coastal 76

(last) (first)
Address: 2513 E. Palmetto Street

City: Florence State: SC Zip:

Phone: N/A

7. PERMIT NUMBER:

MWA #UMW-26643; UST Permit #03538

8. USE:

Residential Public Supply Process
Irrigation Air Conditioning Emergency
Test Well Monitor Well Replacement

9. WELL DEPTH (completed)

11 ft. Date Started: 10/1/14
Date Completed: 10/2/14

2. LOCATION OF WELL:

COUNTY: ~~Marion~~

Name: Coastal 76

Address: 2513 E. Palmetto Street

City: Florence, SC

Florence

10. CASING:

Threaded

Welded

Diameter: 1"

Type: PVC

1"

in. to 6' ft. depth

in. to ft. depth

Height: Below

Surface: ft. Weight: lb./ft.

Drive Shoe:

3. PUBLIC SYSTEM NAME 03538-

GW05

4. ABANDONMENT:

Yes

Grouted Depth: from 0.00 to 11 ft.

11. SCREEN:

Type: PVC

Diameter: 1"

Slot/Gauge: 0.01

Length: 5'

Set Between: 6 ft. and 11 ft.

ft. and ft.

Sieve Analysis: Y/N

12. STATIC WATER LEVEL 8.2 ft. below land surface after 24 hours.

13. PUMPING LEVEL Below Land Surface.

ft. after hrs Pumping GPM

Pumping Test:

Yield:

14. WATER QUALITY

Chemical Analysis:

Bacterial Analysis:

15. ARTIFICIAL FILTER (filter pack)

Installed from: ft. to ft.

Effective Size: Uniformity Coefficient:

16. WELL GROUTED?

Neat Cement

Bentonite

Bentonite/Cement

Other

Depth: From ft. to ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction

Type:

Well Disinfected: Type: Amount:

18. PUMP:

Date installed:

Mfr. Name:

Model no.:

H.P.:

Volts:

Length of pipe: ft.

Capacity:

gpm

TYPE:

Submersible

Jet (shallow)

Turbine

Jet (deep)

Reciprocating

Centrifugal

19. WELL DRILLER:

Joe Smith

CERT NO.: 1648B

Address:

Smith Drilling Services

Level: A B C D

2443 High Meadows Court

(circle one)

Conyers, Georgia 30094

Telephone: 678-201-9849

Fax:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed:

Date:

10/2/14

If D Level Driller, provide supervising driller's name.

5. REMARKS:

1" temp well

OVA/PID
0.0

6. TYPE:

Mud Rotary

Jetted

Bored

Dug

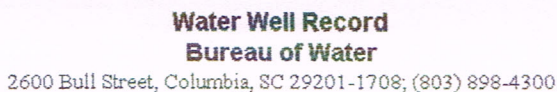
Air Rotary

Driven

Cable tool

Auger

Other

DHEC 1903 (07/2003)

**COASTAL 76 TRUCK STOP – UST PERMIT #03538
TIER II ASSESSMENT REPORT**

APPENDIX E

WELL LOGS, WATER WELL RECORDS (DHEC FORM 1903)

FIELD BORING LOG (03538-MW10R)



Job Name: Coastal 76 Truck Stop
Job Number: J14-070-A
Site Address: 2513 E. Palmetto Street, Florence, Florence County, South Carolina
Drill Method: 4.25" ID Auger
Drill Rig: CME 75
Driller Name: J. Smith
Company: Smith Drilling Services
Installation Date: November 22, 2014
Logged By: Trever Slack

Elevation (feet msl)	Depth (feet)	Graphic Log	Well Diagram	Graphic Log	OVA/PID (PPM)	Dry	Slightly Moist	Moist	Wet	Groundwater	Soil Description
	1										Grass/Organic Topsoil
	2										Mottled moderate red (5R 4/6) and moderate orange pink (10R 7/4), dry, silty clay
	3										
	4										
	5				0.0						
	6										
	7										Moderate reddish brown (10R 4/6), dry, silty sand
	8										
	9										
	10				0.0						Moderate reddish brown (10R 4/6), slightly moist to moist, silty sand
	11										
	12										
	13										Moderate reddish brown (10R 4/6), wet, silty sand
Boring terminated at 14.0 feet below ground surface.											

Legend

- Filter Sand Pack (1.0 - 1.5 feet BGS)
- Bentonite Seal (1.0 - 1.5 feet BGS)
- Bentonite-Cement Grout (0 - 1.0 feet BGS)
- Water Level at Time of Boring
- 24-Hour Water Level
- Sand
- Clayey Sand
- Silty Sand
- Clayey Silt
- Sandy Silt
- Silty Clay

Notes

Boring terminated at 14.0 feet below ground surface. Groundwater encountered at 12.0 feet below ground surface at time of boring and 9.0 feet below ground surface after 24 hours. Flush Mount well completion with 8-inch diameter steel, bolted manhole cover installed in a 2-foot by 2-foot concrete pad.
 Northing = 862508.518
 Easting = 2386563.758
 Top of Casing Elevation = 143.81 (NAVD 88)
 Ground Surface Elevation = 144.23 (NAVD 88)

Total Well Depth = 11.81 feet Below Ground Surface
 Screen = 0.01-inch slot (1.61 to 11.61 feet Below Ground Surface)

FIELD BORING LOG (03538-MW19)



Job Name: Coastal 76 Truck Stop
Job Number: J14-070-A
Site Address: 2513 E. Palmetto Street, Florence, Florence County, South Carolina
Drill Method: 4.25" ID Auger
Drill Rig: CME 75
Driller Name: J. Smith
Company: Smith Drilling Services
Installation Date: November 24, 2014
Logged By: Trever Slack

Elevation (feet msl)	Depth (feet)	Graphic Log	Well Diagram	Graphic Log	OVA/PID (PPM)	Dry	Slightly Moist	Moist	Wet	Groundwater	Soil Description
	1										Grass/Organic Topsoil
	2										Mottled moderate red (5R 4/6) and moderate orange pink (10R 7/4), dry, silty clay
	3										
	4										
	5				0.0						
	6										
	7										Moderate reddish brown (10R 4/6), dry, to moist, silty sand
	8										
	9										
	10				0.0						Moderate reddish brown (10R 4/6), wet, silty sand
	11										
	12										
	13										
Boring terminated at 14.0 feet below ground surface.											

Legend

- Filter Sand Pack (2.0 - 14.0 feet BGS)
- Bentonite Seal (1.0 - 2.0 feet BGS)
- Bentonite-Cement Grout (0 - 1.0 feet BGS)
- Water Level at Time of Boring
- 24-Hour Water Level
- Sand
- Clayey Sand
- Silty Sand
- Clayey Silt
- Sandy Silt
- Silty Clay

Notes

Boring terminated at 14.0 feet below ground surface. Groundwater encountered at 10.0 feet below ground surface at time of boring and 8.0 feet below ground surface after 24 hours. Flush Mount well completion with 8-inch diameter steel, bolted manhole cover installed in a 2-foot by 2-foot concrete pad.
 Northing = 862643.974
 Easting = 2386599.774
 Top of Casing Elevation = 143.67 (NAVD 88)
 Ground Surface Elevation = 143.97 (NAVD 88)

Total Well Depth = 12.32 feet Below Ground Surface
 Screen = 0.01-inch slot (2.12 to 12.12 feet Below Ground Surface)

FIELD BORING LOG (03538-MW20)



Job Name: Coastal 76 Truck Stop
Job Number: J14-070-A
Site Address: 2513 E. Palmetto Street, Florence, Florence County, South Carolina
Drill Method: Hand Auger
Drill Rig: CME 75
Driller Name: J. Smith
Company: Smith Drilling Services
Installation Date: November 24, 2014
Logged By: Trever Slack

Elevation (feet msl)	Depth (feet)	Graphic Log	Well Diagram	Graphic Log	OVA/PID (PPM)	Dry	Slightly Moist	Moist	Wet	Groundwater	Soil Description
	1										Grass/Organic Topsoil
	2										Mottled moderate red (5R 4/6) and moderate orange pink (10R 7/4), dry, silty clay
	3										
	4										
	5				0.0						
	6										
	7										Moderate reddish brown (10R 4/6), dry to slightly moist, silty sand
	8										
	9										
	10				0.1						
	11										
	12										Moderate reddish brown (10R 4/6), moist to wet, silty sand
	13										
	14										
	15										
Boring terminated at 15.0 feet below ground surface.											

Legend

- Filter Sand Pack (4.0 - 14.0 feet BGS)
- Bentonite Seal (2.0 - 4.0 feet BGS)
- Bentonite-Cement Grout (0 - 2.0 feet BGS)
- Water Level at Time of Boring
- 24-Hour Water Level
- Sand
- Clayey Sand
- Silty Sand
- Clayey Silt
- Sandy Silt
- Silty Clay

Notes

Boring terminated at 15.0 feet below ground surface. Groundwater encountered at 13.0 feet below ground surface at time of boring and 9.0 feet below ground surface after 24 hours. Flush Mount well completion with 8-inch diameter steel, bolted manhole cover installed in a 2-foot by 2-foot concrete pad.
 Northing = 862700.102
 Easting = 2386682.369
 Top of Casing Elevation = 143.93 (NAVD 88)
 Ground Surface Elevation = 144.21 (NAVD 88)

Total Well Depth = 14.70 feet Below Ground Surface
 Screen = 0.01-inch slot (4.50 to 14.50 feet Below Ground Surface)

FIELD BORING LOG (03538-MW21)



Job Name: Coastal 76 Truck Stop
Job Number: J14-070-A
Site Address: 2513 E. Palmetto Street, Florence, Florence County, South Carolina
Drill Method: 4.25" ID Auger
Drill Rig: CME 75
Driller Name: J. Smith
Company: Smith Drilling Services
Installation Date: November 21, 2014
Logged By: Trever Slack

Elevation (feet msl)	Depth (feet)	Graphic Log	Well Diagram	Graphic Log	OVA/PID (PPM)	Dry	Slightly Moist	Moist	Wet	Groundwater	Soil Description
	1										Grass/Organic Topsoil
	2										Mottled moderate red (5R 4/6) and moderate orange pink (10R 7/4), dry, silty clay
	3										
	4										
	5				0.0						
	6										
	7										Moderate reddish brown (10R 4/6), slightly moist, silty sand
	8										
	9										
	10				0.0						Moderate reddish brown (10R 4/6), moist to wet, silty sand
	11										
	12										
	13										
Boring terminated at 14.0 feet below ground surface.											

Legend

- Filter Sand Pack (2.0 - 14.0 feet BGS)
- Bentonite Seal (1.0 - 2.0 feet BGS)
- Bentonite-Cement Grout (0 - 1.0 feet BGS)
- Water Level at Time of Boring
- 24-Hour Water Level
- Sand
- Clayey Sand
- Silty Sand
- Clayey Silt
- Sandy Silt
- Silty Clay

Notes

Boring terminated at 14.0 feet below ground surface. Groundwater encountered at 12.0 feet below ground surface at time of boring and 9.0 feet below ground surface after 24 hours. Flush Mount well completion with 8-inch diameter steel, bolted manhole cover installed in a 2-foot by 2-foot concrete pad.
 Northing = 862691.531
 Easting = 2386784.365
 Top of Casing Elevation = 143.25 (NAVD 88)
 Ground Surface Elevation = 143.88 (NAVD 88)

Total Well Depth = 12.95 feet Below Ground Surface
 Screen = 0.01-inch slot (2.75 to 12.75 feet Below Ground Surface)

FIELD BORING LOG (03538-MW22)



Job Name: Coastal 76 Truck Stop
Job Number: J14-070-A
Site Address: 2513 E. Palmetto Street, Florence, Florence County, South Carolina
Drill Method: 4.25" ID Auger
Drill Rig: CME 75
Driller Name: J. Smith
Company: Smith Drilling Services
Installation Date: November 24, 2014
Logged By: Trever Slack

Elevation (feet msl)	Depth (feet)	Graphic Log	Well Diagram	Graphic Log	OVA/PID (PPM)	Dry	Slightly Moist	Moist	Wet	Groundwater	Soil Description
	1										6-inches of soil/gravel underlain by 6-inches of broken asphalt and gravel
	2										Mottled moderate red (5R 4/6) and moderate orange pink (10R 7/4), dry, silty clay
	3										
	4										
	5				0.4						
	6										
	7										Moderate reddish brown (10R 4/6), slightly moist, silty sand
	8										
	9										Moderate reddish brown (10R 4/6), moist, silty sand
	10				0.3						
	11										
	12										
	13										Moderate reddish brown (10R 4/6), wet, silty sand
	14										
	15										
Boring terminated at 16.0 feet below ground surface.											

Legend

	Filter Sand Pack (4.0 - 14.0 feet BGS)
	Bentonite Seal (2.0 - 4.0 feet BGS)
	Bentonite-Cement Grout (0 - 2.0 feet BGS)
	Water Level at Time of Boring
	24-Hour Water Level
	Sand
	Clayey Sand
	Silty Sand
	Clayey Silt
	Sandy Silt
	Silty Clay

Notes

Boring terminated at 16.0 feet below ground surface. Groundwater encountered at 20.0 feet below ground surface at time of boring and 8.0 feet below ground surface after 24 hours. Flush Mount well completion with 8-inch diameter steel, bolted manhole cover installed in a 2-foot by 2-foot concrete pad.
 Northing = 862571.793
 Easting = 2386724.121
 Top of Casing Elevation = 145.03 (NAVD 88)
 Ground Surface Elevation = 145.28 (NAVD 88)

Total Well Depth = 15.29 feet Below Ground Surface
 Screen = 0.01-inch slot (5.09 to 15.09 feet Below Ground Surface)

FIELD BORING LOG (11456-MW22D)



Job Name: Bucks Quick Stop **Job Number:** J13-002-B
Site Address: 28 North Main Street, Cross Hill, South Carolina
Drill Method: 4.25" ID Auger **Drill Rig:** CME 75
Driller Name: L. Large / J. Smith **Company:** Smith Drilling Services
Installation Date: November 10, 2014 **Logged By:** Trever Slack

Elevation (feet msl)	Depth (feet)	Graphic Log	Well Diagram	Graphic Log	OVA/PID (PPM)	Dry	Slightly Moist	Moist	Wet	Groundwater	Soil Description
	1										6-inches of soil/gravel underlain by 6-inches of broken asphalt and gravel
	2										Mottled moderate red (5R 4/6) and moderate orange pink (10R 7/4), dry, silty clay
	3										
	4										
	5				0.4						
	6										
	7										Moderate reddish brown (10R 4/6), slightly moist to wet, silty sand
	8										
	9										
	10				0.3						
	11										
	12										
	13										
	14				0.0						
	15										
	16										
	17										
	18										
	19										
	20				0.0						
	21										Dark yellowish orange (10YR 6/6), wet, fine sand
	22										
	23										
	24										
	25				0.1						
	26										
	27										
	28										
	29										
	30				0.1						
	31										
	32										
	33										
	34										
	35				0.0						
	36										
	37										
	38										
	39										
	40				0.0						
	41										
	42										
	43										
	44										
	45				0.0						

		Boring terminated at 46.0 feet below ground surface.
Legend		Notes
	Filter Sand Pack (38.0 - 45.0 feet BGS)	Boring terminated at 46.0 feet below ground surface. Groundwater encountered at 8.0 feet below ground surface at time of boring and 13.0 feet below ground surface after 24 hours. Flush Mount well completion with 8-inch diameter steel, bolted manhole cover installed in a 2-foot by 2-foot concrete pad. Northing = 862568.499 Easting = 2386724.833 Top of Casing Elevation = 144.89 (NAVD 88) Ground Surface Elevation = 145.30 (NAVD 88)
	Bentonite Seal (36.0 - 38.0 feet BGS)	
	Bentonite-Cement Grout (0 - 36.0 feet BGS)	
	Water Level at Time of Boring	
	24-Hour Water Level	Total Well Depth = 44.43 feet Below Ground Surface Screen = 0.01-inch slot (39.23 to 44.23 feet Below Ground Surface) 6-inch outer casing installed to 25.0 feet below ground surface
	Sand	
	Clayey Sand	
	Silty Sand	
	Clayey Silt	
	Sandy Silt	
	Silty Clay	

FIELD BORING LOG (03538-MW23)



Job Name: Coastal 76 Truck Stop
Job Number: J14-070-A
Site Address: 2513 E. Palmetto Street, Florence, Florence County, South Carolina
Drill Method: 4.25" ID Auger
Drill Rig: CME 75
Driller Name: J. Smith
Company: Smith Drilling Services
Installation Date: November 21, 2014
Logged By: Trever Slack

Elevation (feet msl)	Depth (feet)	Graphic Log	Well Diagram	Graphic Log	OVA/PID (PPM)	Dry	Slightly Moist	Moist	Wet	Groundwater	Soil Description
	1										12-inches of compacted gravel and broken asphalt
	2										Mottled moderate red (5R 4/6) and moderate orange pink (10R 7/4), dry, silty clay
	3										
	4										
	5				0.8						
	6										
	7										Moderate reddish brown (10R 4/6), slightly moist, silty sand
	8										
	9										Moderate reddish brown (10R 4/6), moist, silty sand
	10				0.2						
	11										
	12										
	13										
	14										Moderate reddish brown (10R 4/6), wet, silty sand
	15										
	16										
Boring terminated at 16.0 feet below ground surface.											

Legend

- Filter Sand Pack (5.0 - 16.0 feet BGS)
- Bentonite Seal (3.0 - 5.0 feet BGS)
- Bentonite-Cement Grout (0 - 3.0 feet BGS)
- Water Level at Time of Boring
- 24-Hour Water Level
- Sand
- Clayey Sand
- Silty Sand
- Clayey Silt
- Sandy Silt
- Silty Clay

Notes

Boring terminated at 16.0 feet below ground surface. Groundwater encountered at 9.0 feet below ground surface at time of boring and 14.0 feet below ground surface after 24 hours. Flush Mount well completion with 8-inch diameter steel, bolted manhole cover installed in a 2-foot by 2-foot concrete pad.
 Northing = 862615.867
 Easting = 2386770.481
 Top of Casing Elevation = 143.63 (NAVD 88)
 Ground Surface Elevation = 143.87 (NAVD 88)

Total Well Depth = 15.77 feet Below Ground Surface
 Screen = 0.01-inch slot (5.57 to 15.57 feet Below Ground Surface)

FIELD BORING LOG (03538-MW24)



Job Name: Coastal 76 Truck Stop
Job Number: J14-070-A
Site Address: 2513 E. Palmetto Street, Florence, Florence County, South Carolina
Drill Method: 4.25" ID Auger
Drill Rig: CME 75
Driller Name: J. Smith
Company: Smith Drilling Services
Installation Date: November 21, 2014
Logged By: Trever Slack

Elevation (feet msl)	Depth (feet)	Graphic Log	Well Diagram	Graphic Log	OVA/PID (PPM)	Dry	Slightly Moist	Moist	Wet	Groundwater	Soil Description
	1										Grass/Organic Topsoil
	2										Mottled moderate red (5R 4/6) and moderate orange pink (10R 7/4), dry, silty clay
	3										
	4										
	5				0.0						
	6										
	7										Moderate reddish brown (10R 4/6), slightly moist to moist, silty sand
	8										
	9										
	10				0.0						Moderate reddish brown (10R 4/6), wet, silty sand
	11										
	12										
	13										
Boring terminated at 14.0 feet below ground surface.											

Legend

- Filter Sand Pack (2.0 - 14.0 feet BGS)
- Bentonite Seal (1.0 - 2.0 feet BGS)
- Bentonite-Cement Grout (0 - 1.0 feet BGS)
- Water Level at Time of Boring
- 24-Hour Water Level
- Sand
- Clayey Sand
- Silty Sand
- Clayey Silt
- Sandy Silt
- Silty Clay

Notes

Boring terminated at 46.0 feet below ground surface. Groundwater encountered at 10.0 feet below ground surface at time of boring and 7.0 feet below ground surface after 24 hours. Flush Mount well completion with 8-inch diameter steel, bolted manhole cover installed in a 2-foot by 2-foot concrete pad.
 Northing = 862635.982
 Easting = 2386832.681
 Top of Casing Elevation = 143.78 (NAVD 88)
 Ground Surface Elevation = 143.99 (NAVD 88)

Total Well Depth = 13.19 feet Below Ground Surface
 Screen = 0.01-inch slot (2.99 to 12.99 feet Below Ground Surface)

FIELD BORING LOG (03538-MW25)



Job Name: Coastal 76 Truck Stop
Job Number: J14-070-A
Site Address: 2513 E. Palmetto Street, Florence, Florence County, South Carolina
Drill Method: 4.25" ID Auger
Drill Rig: CME 75
Driller Name: J. Smith
Company: Smith Drilling Services
Installation Date: November 21, 2014
Logged By: Trever Slack

Elevation (feet msl)	Depth (feet)	Graphic Log	Well Diagram	Graphic Log	OVA/PID (PPM)	Dry	Slightly Moist	Moist	Wet	Groundwater	Soil Description
	1										Grass/Organic Topsoil
	2										Mottled moderate red (5R 4/6) and moderate orange pink (10R 7/4), dry, silty clay
	3										
	4										
	5				0.0						
	6										
	7										Moderate reddish brown (10R 4/6), slightly moist, silty sand
	8										
	9										
	10				0.0						Moderate reddish brown (10R 4/6), moist to wet, silty sand
	11										
	12										
	13										
Boring terminated at 14.0 feet below ground surface.											

Legend

- Filter Sand Pack (2.0 - 14.0 feet BGS)
- Bentonite Seal (1.0 - 2.0 feet BGS)
- Bentonite-Cement Grout (0 - 1.0 feet BGS)
- Water Level at Time of Boring
- 24-Hour Water Level
- Sand
- Clayey Sand
- Silty Sand
- Clayey Silt
- Sandy Silt
- Silty Clay

Notes

Boring terminated at 14.0 feet below ground surface. Groundwater encountered at 12.0 feet below ground surface at time of boring and 9.0 feet below ground surface after 24 hours. Flush Mount well completion with 8-inch diameter steel, bolted manhole cover installed in a 2-foot by 2-foot concrete pad.
 Northing = 862554.716
 Easting = 2386832.691
 Top of Casing Elevation = 144.04 (NAVD 88)
 Ground Surface Elevation = 144.45 (NAVD 88)

Total Well Depth = 13.36 feet Below Ground Surface
 Screen = 0.01-inch slot (3.16 to 13.16 feet Below Ground Surface)

FIELD BORING LOG (03538-MW26)



Job Name: Coastal 76 Truck Stop
Job Number: J14-070-A
Site Address: 2513 E. Palmetto Street, Florence, Florence County, South Carolina
Drill Method: 4.25" ID Auger
Drill Rig: CME 75
Driller Name: J. Smith
Company: Smith Drilling Services
Installation Date: November 21, 2014
Logged By: Trever Slack

Elevation (feet msl)	Depth (feet)	Graphic Log	Well Diagram	Graphic Log	OVA/PID (PPM)	Dry	Slightly Moist	Moist	Wet	Groundwater	Soil Description
	1										Grass/Organic Topsoil
	2										Mottled moderate red (5R 4/6) and moderate orange pink (10R 7/4), dry, silty clay
	3										
	4										
	5				0.1						
	6										
	7										Moderate reddish brown (10R 4/6), slightly moist, silty sand
	8										
	9										
	10				0.1						
	11										
	12										Moderate reddish brown (10R 4/6), moist, silty sand
	13										
	14										
	15										Moderate reddish brown (10R 4/6), wet, silty sand
Boring terminated at 16.0 feet below ground surface.											

Legend

	Filter Sand Pack (4.0 - 16.0 feet BGS)
	Bentonite Seal (2.0 - 4.0 feet BGS)
	Bentonite-Cement Grout (0 - 2.0 feet BGS)
	Water Level at Time of Boring
	24-Hour Water Level
	Sand
	Clayey Sand
	Silty Sand
	Clayey Silt
	Sandy Silt
	Silty Clay

Notes

Boring terminated at 16.0 feet below ground surface. Groundwater encountered at 14.0 feet below ground surface at time of boring and 11.0 feet below ground surface after 24 hours. Flush Mount well completion with 8-inch diameter steel, bolted manhole cover installed in a 2-foot by 2-foot concrete pad.
 Northing = 862461.702
 Easting = 2386834.720
 Top of Casing Elevation = 144.96 (NAVD 88)
 Ground Surface Elevation = 145.22 (NAVD 88)

Total Well Depth = 15.06 feet Below Ground Surface
 Screen = 0.01-inch slot (4.86 to 14.86 feet Below Ground Surface)

FIELD BORING LOG (03538-MW27)



Job Name: Coastal 76 Truck Stop
Job Number: J14-070-A
Site Address: 2513 E. Palmetto Street, Florence, Florence County, South Carolina
Drill Method: 4.25" ID Auger
Drill Rig: CME 75
Driller Name: J. Smith
Company: Smith Drilling Services
Installation Date: November 24, 2014
Logged By: Trever Slack

Elevation (feet msl)	Depth (feet)	Graphic Log	Well Diagram	Graphic Log	OVA/PID (PPM)	Dry	Slightly Moist	Moist	Wet	Groundwater	Soil Description
	1										Grass/Organic Topsoil
	2										Mottled moderate red (5R 4/6) and moderate orange pink (10R 7/4), dry, silty clay
	3										
	4										
	5				0.0						
	6										
	7										Moderate reddish brown (10R 4/6), slightly moist, silty sand
	8										
	9										
	10				0.2						
	11										
	12										Moderate reddish brown (10R 4/6), moist to wet, silty sand
	13										
	14										
	15										
Boring terminated at 16.0 feet below ground surface.											

Legend

- Filter Sand Pack (4.0 - 16.0 feet BGS)
- Bentonite Seal (2.0 - 4.0 feet BGS)
- Bentonite-Cement Grout (0 - 2.0 feet BGS)
- Water Level at Time of Boring
- 24-Hour Water Level
- Sand
- Clayey Sand
- Silty Sand
- Clayey Silt
- Sandy Silt
- Silty Clay

Notes

Boring terminated at 16.0 feet below ground surface. Groundwater encountered at 14.0 feet below ground surface at time of boring and 11.0 feet below ground surface after 24 hours. Flush Mount well completion with 8-inch diameter steel, bolted manhole cover installed in a 2-foot by 2-foot concrete pad.
 Northing = 862361.177
 Easting = 2386590.226
 Top of Casing Elevation = 144.77 (NAVD 88)
 Ground Surface Elevation = 145.10 (NAVD 88)

Total Well Depth = 15.25 feet Below Ground Surface
 Screen = 0.01-inch slot (5.05 to 15.05 feet Below Ground Surface)

FIELD BORING LOG (03538-MW28)



Job Name: Coastal 76 Truck Stop
Job Number: J14-070-A
Site Address: 2513 E. Palmetto Street, Florence, Florence County, South Carolina
Drill Method: Hand Auger
Drill Rig: CME 75
Driller Name: J. Smith
Company: Smith Drilling Services
Installation Date: November 24, 2014
Logged By: Trever Slack

Elevation (feet msl)	Depth (feet)	Graphic Log	Well Diagram	Graphic Log	OVA/PID (PPM)	Dry	Slightly Moist	Moist	Wet	Groundwater	Soil Description
	1										Grass/Organic Topsoil
	2										Mottled moderate red (5R 4/6) and moderate orange pink (10R 7/4), dry, silty clay
	3										
	4										
	5				0.0						
	6										
	7										Moderate reddish brown (10R 4/6), slightly moist to wet, silty sand
	8										
	9										
	10				0.0						
	11										
	12										
	13										
Boring terminated at 14.0 feet below ground surface.											

Legend

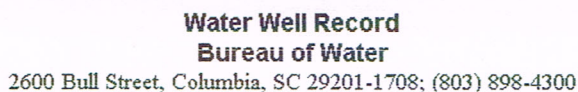
- Filter Sand Pack (2.0 - 14.0 feet BGS)
- Bentonite Seal (1.0 - 2.0 feet BGS)
- Bentonite-Cement Grout (0 - 1.0 feet BGS)
- Water Level at Time of Boring
- 24-Hour Water Level
- Sand
- Clayey Sand
- Silty Sand
- Clayey Silt
- Sandy Silt
- Silty Clay

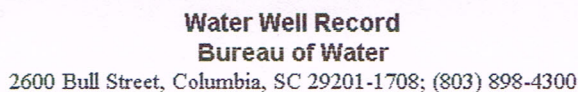
Notes

Boring terminated at 14.0 feet below ground surface. Groundwater encountered at 10.0 feet below ground surface at time of boring and 7.0 feet below ground surface after 24 hours. Flush Mount well completion with 8-inch diameter steel, bolted manhole cover installed in a 2-foot by 2-foot concrete pad.
 Northing = 862757.710
 Easting = 2386710.326
 Top of Casing Elevation = 142.71 (NAVD 88)
 Ground Surface Elevation = 142.88 (NAVD 88)

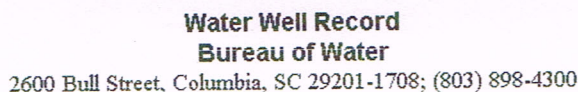
Total Well Depth = 13.17 feet Below Ground Surface
 Screen = 0.01-inch slot (2.97 to 12.97 feet Below Ground Surface)

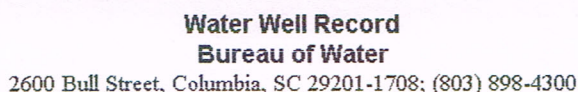
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DHEC 1903 (07/2003)

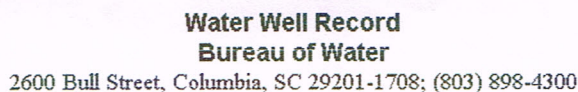


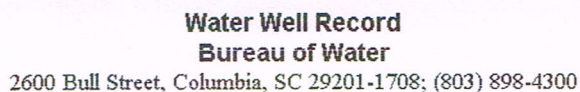
COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

DHEC 1903 (07/2003)

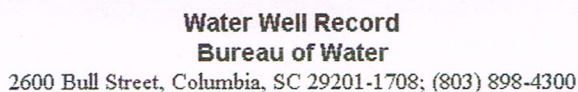


COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

DHEC 1903 (07/2003)



COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)



COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)



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

1. WELL OWNER INFORMATION:

Name: **Coastal 76**

(last) (first)
Address: **2513 E. Palmetto Street**

City: **Florence** State: **SC** Zip:

Phone: **N/A**

7. PERMIT NUMBER:

MWA #JMW-25643; UST Permit #03538

8. USE:

Residential Public Supply Process
Irrigation Air Conditioning Emergency
Test Well **Monitor Well** Replacement

9. WELL DEPTH (completed)

13.36 ft.

Date Started: **11/20/14**
Date Completed: **11/21/14**

10. CASING:

Threaded

Welded

Diameter: **2"**

Type: **PVC**

2

in. to **3.16** ft. depth

in. to _____ ft. depth

Height: **Below**

Surface: _____ ft.

Weight: _____ lb./ft.

Drive Shoe:

11. SCREEN:

Type: **PVC**

Diameter: **2"**

Slot/Gauge: **0.010"**

Length: **10'**

Set Between: **3.16**

ft. and **13.16** ft.

ft. and _____ ft.

Sieve Analysis: **Y/N**

12. STATIC WATER LEVEL

9 ft. below land surface after 24 hours.

13. PUMPING LEVEL Below Land Surface:

ft. after _____ hrs Pumping GPM

Pumping Test: _____

Yield: _____

14. WATER QUALITY

Chemical Analysis:

Bacterial Analysis:

15. ARTIFICIAL FILTER (filter pack)

Sand

Installed from: **2**

ft. to **13** ft.

Effective Size:

Uniformity Coefficient:

16. WELL GROUTED?

Neat Cement

Bentonite

Bentonite/Cement

Other

Depth: From **0.0**

ft. to **1** ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

ft. direction

Type: _____

Well Disinfected: _____

Type: _____

Amount: _____

18. PUMP:

Date installed: _____

Mfr. Name: _____

Model no.: _____

H.P.: _____

Volts: _____

Length of pipe: _____ ft.

Capacity: _____

gpm

TYPE:

Submersible

Jet (shallow)

Turbine

Jet (deep)

Reciprocating

Centrifugal

19. WELL DRILLER:

Joe Smith

CERT NO.: 1648B

Address: _____

Smith Drilling Services

Level: A **(B)** C D

2443 High Meadows Court

(circle one)

Conyers, Georgia 30094

Telephone: 678-201-9849

Fax: _____

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____

Date: _____

11/21/14

If D Level Driller, provide supervising driller's name.

5. REMARKS:

Bentonite Seal

1-2

6. TYPE:

Mud Rotary

Jetted

Bored

Dug

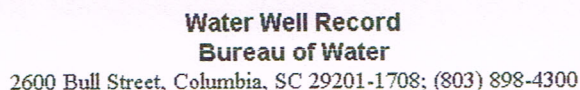
Air Rotary

Driven

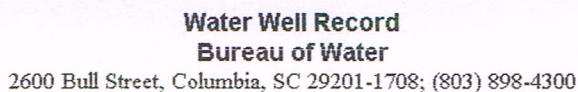
Cable tool

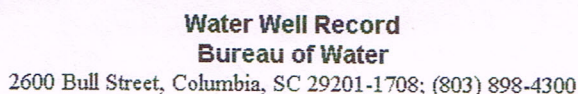
Auger

Other



COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

DHEC 1903 (07/2003)

DHEC 1903 (07/2003)

**COASTAL 76 TRUCK STOP – UST PERMIT #03538
TIER II ASSESSMENT REPORT**

APPENDIX F

AQUIFER CHARACTERIZATION DATA



SOUTH CAROLINA
Department of Health and Environmental Control
Summary of Slug Test Form

Site Data

UST Permit # 03538 County: Florence

Facility Name Coastal 76 Truck Stop

Slug Data

See Appendix F Table _____ Figure _____ for a list of all data measurements.

(water level logs, etc.) (Complete as appropriate).

Water Level Recovery Data was measured by water level meter .

(Hermit Data Logger, Manually with Water Level Indicator, etc.) (List Method).

Complete the following table for each well tested.

COMPLETE A SECOND SHEET IF MORE THAN FOUR WELLS ARE TESTED

Slug Test Conducted in well(s) number

Initial Rise/Drawdown in well (feet)

Radius of Well Casing (feet)

Effective Radius of Well (feet)

Static Saturated Aquifer Thickness (feet)

Length of Well Screen (feet)

Static Height of Water Column in Well (ft)

MW21	MW22	MW22D	
5.44	5.63	11.94	
0.083	0.083	0.083	
0.270	0.270	0.270	
100	100	100	
2.05	2.81	5.00	
2.05	2.81	29.46	

Calculations

See Appendix _____ Table 5 Figure _____ for calculations. (Complete as appropriate).

The method for aquifer calculations was Bouwer & Rice

Calculated values by well were as follows:

Slug Test Conducted in well(s) number

Hydraulic Conductivity

MW21	MW22	MW22D	
4.06E-5 cm/sec	1.40E-4 cm/sec	3.57E-4 cm/sec	

Thickness of the aquifer used to calculate hydraulic conductivity was 100 feet.

The aquifer is _____ confined _____ semi-confined X water table (Check as appropriate).

The estimated seepage velocity is 8.59 feet per year based on
a hydraulic conductivity of 1.79E-4 cm/sec, a hydraulic gradient of 0.009, and
a porosity of 33 per cent for slightly clayey, fine sand

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Slug Test Analysis - Bouwer & Rice/Hvorslev's Methods

Client: SCDHEC
 Proj. Name: Coastal 76 Truck Stop
 Test by: James Slagh
 Test Date: 12/02/14

Version: 0.96c
 Revised: 2004-03-31
 Well ID: MW-21

User Input Data

Aquifer Thickness 100.0
 Well Length (L_W) 2.05
 Intake Length (L_I) 2.05
 Well Radius (R_W) 0.270
 Casing Radius (R_C) 0.083
 Xform ratio, $m [(K_H/K_V)^{0.5}]$ 1
 Sandpack Porosity 0.270
 Slug Volume 0.031
 Static Level 0.000
 Offset time 0.000

Calculation Set Number		
Calc. by	Chkd. by	Apvd. by
Date	Date	Date

R_{equiv} -1.000 -1.000 -1.000
 Estimated Porosity & R_W -1.000 -1.000
 $\ln(R_E/R_W)$ 0.998 -1.000
 Shape Factor (F warning 2 12.639 -1.000
 Drawdown: Max. Y_e Regr. Y_e Casing Y_e
 5.44 5.46 1.42

CHECK WATER BALANCE - Regressed v. Casing Y_e

(undrained)

(confined)

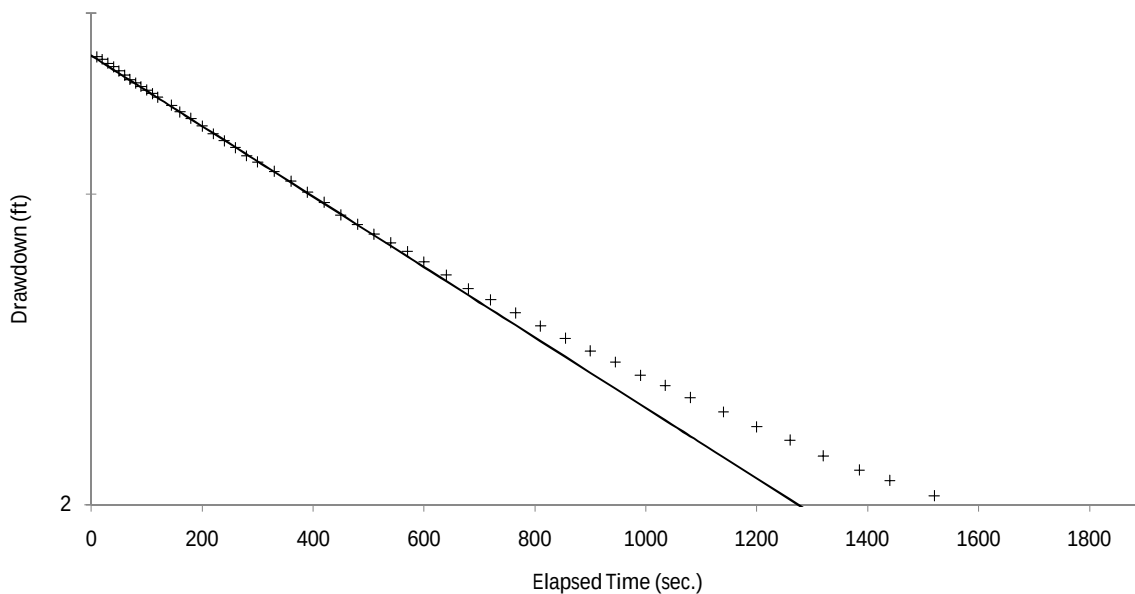
	A	Drained Options		
		B	C	D
	Undrained	User n/R_W	Est. n	Est. R_W
Bouwer & Rice - consistent units	1.3E-06			
cm/sec	4.06E-05			
Hvorslev - consistent units	1.4E-06			
cm/sec	4.14E-05			

Potentially acceptable solutions:

Conversion factor for user units: cm/sec 30.48

Intercept 1.697
 Slope -0.001
 No. of Observations 0
 Starting Row 71
 Ending Row 85

COMMENTS:



Time Seconds	level Feet	Drawdown Y(t)	ln(Y)	Est. Regression ln(Y) Range
0.000	0.010	0.010	-4.605	5.456
10.000	5.440	5.440	1.694	5.414
20.000	5.410	5.410	1.688	5.371
30.000	5.360	5.360	1.679	5.329
40.000	5.320	5.320	1.671	5.287
50.000	5.270	5.270	1.662	5.246
60.000	5.220	5.220	1.652	5.204
70.000	5.170	5.170	1.643	5.164
80.000	5.130	5.130	1.635	5.123
90.000	5.090	5.090	1.627	5.083
100.000	5.050	5.050	1.619	5.043
110.000	5.010	5.010	1.611	5.003
120.000	4.970	4.970	1.603	4.964 <==
145.000	4.880	4.880	1.585	1.585 <==
160.000	4.810	4.810	1.571	1.571 <==
180.000	4.740	4.740	1.556	1.556 <==
200.000	4.660	4.660	1.539	1.539 <==
220.000	4.580	4.580	1.522	1.522 <==
240.000	4.510	4.510	1.506	1.506 <==
260.000	4.440	4.440	1.491	1.491 <==
280.000	4.360	4.360	1.472	1.472 <==
300.000	4.300	4.300	1.459	1.459 <==
330.000	4.210	4.210	1.437	1.437 <==
360.000	4.120	4.120	1.416	1.416 <==
390.000	4.020	4.020	1.391	1.391 <==
420.000	3.930	3.930	1.369	1.369 <==
450.000	3.820	3.820	1.340	1.340 <==
480.000	3.740	3.740	1.319	3.738
510.000	3.660	3.660	1.297	3.651
540.000	3.590	3.590	1.278	3.566
570.000	3.520	3.520	1.258	3.483
600.000	3.440	3.440	1.235	3.401
640.000	3.340	3.340	1.206	3.296
680.000	3.240	3.240	1.176	3.194
720.000	3.160	3.160	1.151	3.094
765.000	3.070	3.070	1.122	2.987
810.000	2.980	2.980	1.092	2.883
855.000	2.900	2.900	1.065	2.782
900.000	2.820	2.820	1.037	2.685
945.000	2.750	2.750	1.012	2.592
990.000	2.670	2.670	0.982	2.502
1035.000	2.610	2.610	0.959	2.414
1080.000	2.540	2.540	0.932	2.330
1140.000	2.460	2.460	0.900	2.223
1200.000	2.380	2.380	0.867	2.120
1260.000	2.310	2.310	0.837	2.022
1320.000	2.230	2.230	0.802	1.929
1385.000	2.160	2.160	0.770	1.833
1440.000	2.110	2.110	0.747	1.755
1520.000	2.040	2.040	0.713	1.648
1600.000	1.970	1.970	0.678	1.547
1680.000	1.920	1.920	0.652	1.453
1775.000	1.840	1.840	0.610	1.348
1860.000	1.780	1.780	0.577	1.261

Slug Test Analysis - Bouwer & Rice/Hvorslev's Methods

Client: SCDHEC
 Proj. Name: Coastal 76 Truck Stop
 Test by: James Slagh
 Test Date: 12/02/14

Version: 0.96c
 Revised: 2004-03-31
 Well ID: MW-22

User Input Data

Aquifer Thickness	100.0
Well Length (L_W)	2.81
Intake Length (L_I)	2.81
Well Radius (R_W)	0.270
Casing Radius (R_C)	0.083
Xform ratio, $m [(K_H/K_V)^{0.5}]$	1
Sandpack Porosity	0.270
Slug Volume	0.031
Static Level	0.000
Offset time	0.000

Calculation Set Number		
Calc. by	Chkd. by	Apvd. by
Date	Date	Date

R_{equiv}	-1.000	-1.000	-1.000
Estimated Porosity & R_W		-1.000	-1.000
$\ln(R_E/R_W)$		1.211	-1.000
Shape Factor (F warning 2		14.673	-1.000
Drawdown:	<u>Max. Y_e</u>	<u>Regr. Y_e</u>	<u>Casing Y_e</u>
	5.63	5.46	1.42

CHECK WATER BALANCE - Regressed v. Casing Y_e

(undrained)

(confined)

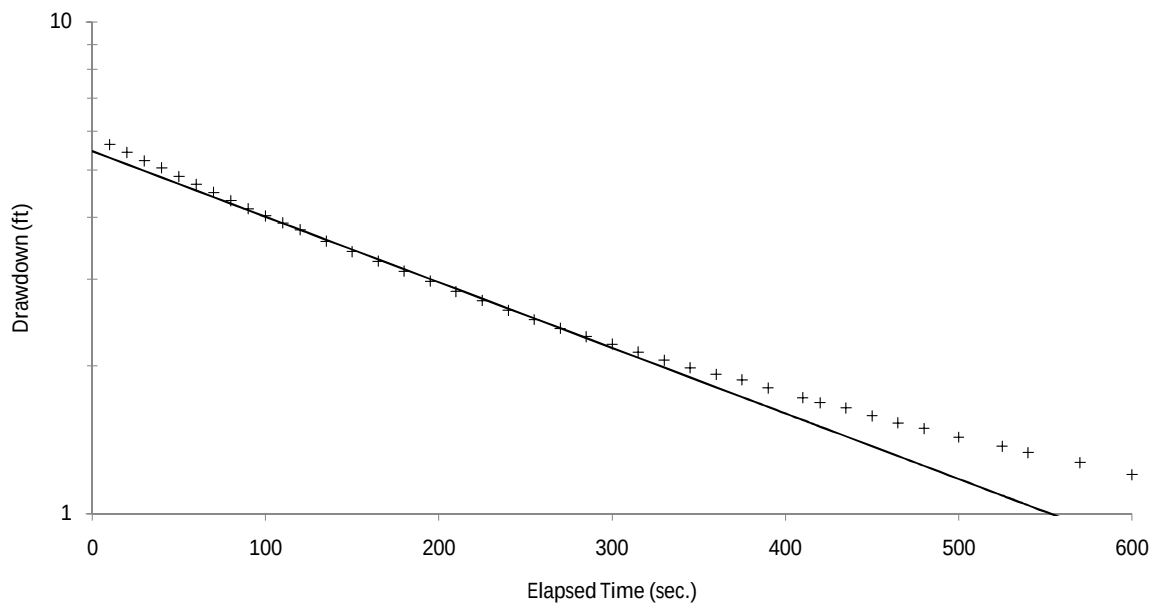
	A	Drained Options		
		B	C	D
	Undrained	User n/R_W	Est. n	Est. R_W
Bouwer & Rice - consistent units	4.6E-06			
cm/sec	1.40E-04			
Hvorslev - consistent units	4.6E-06			
cm/sec	1.39E-04			

Potentially acceptable solutions:

Conversion factor for user units: cm/sec 30.48

Intercept 1.698
 Slope -0.003
 No. of Observations 0
 Starting Row 66
 Ending Row 84

COMMENTS:



Time Seconds	level Feet	Drawdown Y(t)	ln(Y)		Est. Regression ln(Y) Range
0.000	0.010	0.010	-4.605		5.463
10.000	5.630	5.630	1.728		5.298
20.000	5.430	5.430	1.692		5.137
30.000	5.220	5.220	1.652		4.982
40.000	5.050	5.050	1.619		4.831
50.000	4.850	4.850	1.579		4.685
60.000	4.670	4.670	1.541		4.544
70.000	4.500	4.500	1.504	1.504	4.406 <==
80.000	4.330	4.330	1.466	1.466	4.273 <==
90.000	4.170	4.170	1.428	1.428	4.144 <==
100.000	4.030	4.030	1.394	1.394	4.019 <==
110.000	3.900	3.900	1.361	1.361	3.897 <==
120.000	3.780	3.780	1.330	1.330	3.779 <==
135.000	3.580	3.580	1.275	1.275	3.609 <==
150.000	3.410	3.410	1.227	1.227	3.447 <==
165.000	3.260	3.260	1.182	1.182	3.292 <==
180.000	3.110	3.110	1.135	1.135	3.143 <==
195.000	2.970	2.970	1.089	1.089	3.002 <==
210.000	2.830	2.830	1.040	1.040	2.867 <==
225.000	2.710	2.710	0.997	0.997	2.738 <==
240.000	2.590	2.590	0.952	0.952	2.615 <==
255.000	2.480	2.480	0.908	0.908	2.497 <==
270.000	2.380	2.380	0.867	0.867	2.385 <==
285.000	2.290	2.290	0.829	0.829	2.277 <==
300.000	2.210	2.210	0.793	0.793	2.175 <==
315.000	2.130	2.130	0.756	0.756	2.077 <==
330.000	2.050	2.050	0.718		1.983
345.000	1.980	1.980	0.683		1.894
360.000	1.920	1.920	0.652		1.809
375.000	1.870	1.870	0.626		1.727
390.000	1.800	1.800	0.588		1.650
410.000	1.720	1.720	0.542		1.551
420.000	1.680	1.680	0.519		1.505
435.000	1.640	1.640	0.495		1.437
450.000	1.580	1.580	0.457		1.372
465.000	1.530	1.530	0.425		1.310
480.000	1.490	1.490	0.399		1.251
500.000	1.430	1.430	0.358		1.177
525.000	1.370	1.370	0.315		1.090
540.000	1.330	1.330	0.285		1.041
570.000	1.270	1.270	0.239		0.949
600.000	1.200	1.200	0.182		0.866
630.000	1.200	1.200	0.182		0.790
660.000	1.080	1.080	0.077		0.720
700.000	1.010	1.010	0.010		0.637
740.000	0.970	0.970	-0.030		0.563
780.000	0.920	0.920	-0.083		0.498
840.000	0.850	0.850	-0.163		0.414
900.000	0.790	0.790	-0.236		0.345
990.000	0.700	0.700	-0.357		0.261
1080.000	0.650	0.650	-0.431		0.198
1170.000	0.600	0.600	-0.511		0.150
1260.000	0.570	0.570	-0.562		0.114

Slug Test Analysis - Bouwer & Rice/Hvorslev's Methods

Client: SCDHEC
 Proj. Name: Coastal 76 Truck Stop
 Test by: James Slagh
 Test Date: 12/02/14

Version: 0.96c
 Revised: 2004-03-31
 Well ID: MW-22D

User Input Data

Aquifer Thickness	100.0
Well Length (L_w)	29.46
Intake Length (L_i)	5.00
Well Radius (R_w)	0.250
Casing Radius (R_c)	0.083
Xform ratio, $m [(K_h/K_v)^{0.5}]$	1
Sandpack Porosity	0.270
Slug Volume	0.031
Static Level	0.000
Offset time	0.000

Calculation Set Number		
Calc. by	Chkd. by	Apvd. by
Date	Date	Date

R_{equiv}	-1.000	-1.000	-1.000
Estimated Porosity & R_w		-1.000	-1.000
$\ln(R_e/R_w)$		2.243	-1.000
Shape Factor (F)		10.478	-1.000
Drawdown:	<u>Max. Y_t</u>	<u>Regr. Y_o</u>	<u>Casing Y_o</u>
	11.94	11.67	1.42

CHECK WATER BALANCE - Regressed v. Casing Y_o

(undrained)
 (unconfined)

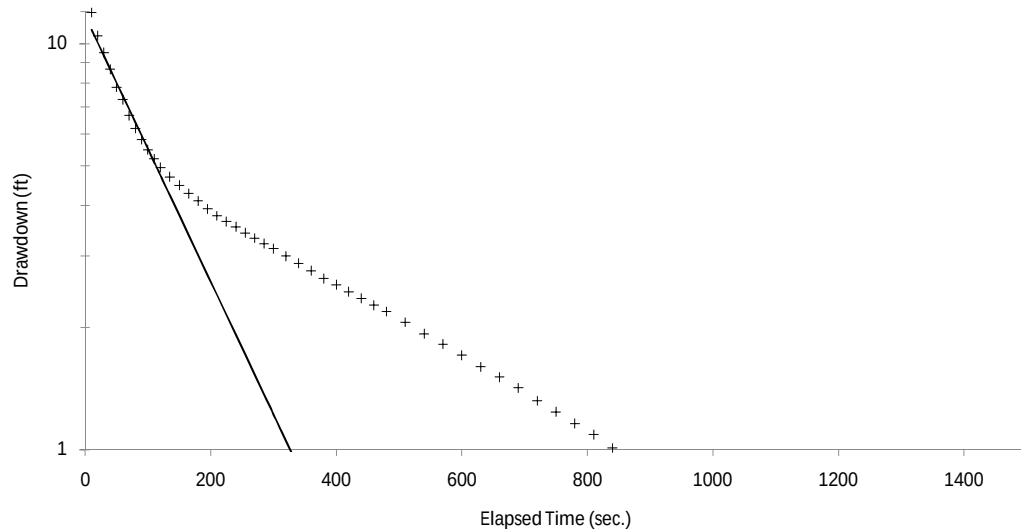
	Drained Options			
	A	B	C	D
	Undrained	User n/R_w	Est. n	Est. R_w
Bouwer & Rice - consistent units	1.2E-05			
cm/sec	3.57E-04			
Hvorslev - consistent units	1.6E-05			
cm/sec	4.77E-04			

Potentially acceptable solutions:

Conversion factor for user units: cm/sec 30.48

Intercept 2.457
 Slope -0.008
 No. of Observations 11
 Starting Row 61
 Ending Row 77

COMMENTS:



Time	level	Drawdown	Est. Regression		
Seconds	Feet	Y(t)	ln(Y)	ln(Y)	Range
0.000	0.010	0.010	-4.605		11.668
10.000	11.940	11.940	2.480		10.823
20.000	10.470	10.470	2.349	2.349	10.039 <==
30.000	9.510	9.510	2.252	2.252	9.312 <==
40.000	8.660	8.660	2.159	2.159	8.637 <==
50.000	7.820	7.820	2.057	2.057	8.011 <==
60.000	7.290	7.290	1.987	1.987	7.431 <==
70.000	6.660	6.660	1.896	1.896	6.892 <==
80.000	6.190	6.190	1.823	1.823	6.393 <==
90.000	5.810	5.810	1.760	1.760	5.930 <==
100.000	5.480	5.480	1.701	1.701	5.500 <==
110.000	5.210	5.210	1.651	1.651	5.102 <==
120.000	4.960	4.960	1.601	1.601	4.732 <==
135.000	4.700	4.700	1.548	1.548	4.227 <==
150.000	4.480	4.480	1.500	1.500	3.776 <==
165.000	4.280	4.280	1.454	1.454	3.373 <==
180.000	4.100	4.100	1.411	1.411	3.013 <==
195.000	3.920	3.920	1.366	1.366	2.692 <==
210.000	3.770	3.770	1.327	1.327	2.405 <==
225.000	3.650	3.650	1.295		2.148
240.000	3.540	3.540	1.264		1.919
255.000	3.420	3.420	1.230		1.714
270.000	3.320	3.320	1.200		1.531
285.000	3.220	3.220	1.169		1.368
300.000	3.130	3.130	1.141		1.222
320.000	3.000	3.000	1.099		1.051
340.000	2.880	2.880	1.058		0.905
360.000	2.760	2.760	1.015		0.778
380.000	2.640	2.640	0.971		0.670
400.000	2.550	2.550	0.936		0.576
420.000	2.450	2.450	0.896		0.496
440.000	2.360	2.360	0.859		0.426
460.000	2.270	2.270	0.820		0.367
480.000	2.190	2.190	0.784		0.316
510.000	2.060	2.060	0.723		0.252
540.000	1.930	1.930	0.658		0.201
570.000	1.820	1.820	0.599		0.160
600.000	1.710	1.710	0.536		0.128
630.000	1.600	1.600	0.470		0.102
660.000	1.510	1.510	0.412		0.082
690.000	1.420	1.420	0.351		0.065
720.000	1.320	1.320	0.278		0.052
750.000	1.240	1.240	0.215		0.041
780.000	1.160	1.160	0.148		0.033
810.000	1.090	1.090	0.086		0.026
840.000	1.010	1.010	0.010		0.021
880.000	0.930	0.930	-0.073		0.016
920.000	0.860	0.860	-0.151		0.012
960.000	0.800	0.800	-0.223		0.009
1020.000	0.750	0.750	-0.288		0.005
1080.000	0.680	0.680	-0.386		0.003
1140.000	0.610	0.610	-0.494		0.002
1200.000	0.550	0.550	-0.598		0.001
1290.000	0.470	0.470	-0.755		0.001
1380.000	0.390	0.390	-0.942		0.000
1470.000	0.330	0.330	-1.109		0.000
1560.000	0.280	0.280	-1.273		0.000

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FROEHLING & ROBERTSON, INC.



FROEHLING & ROBERTSON, INC.

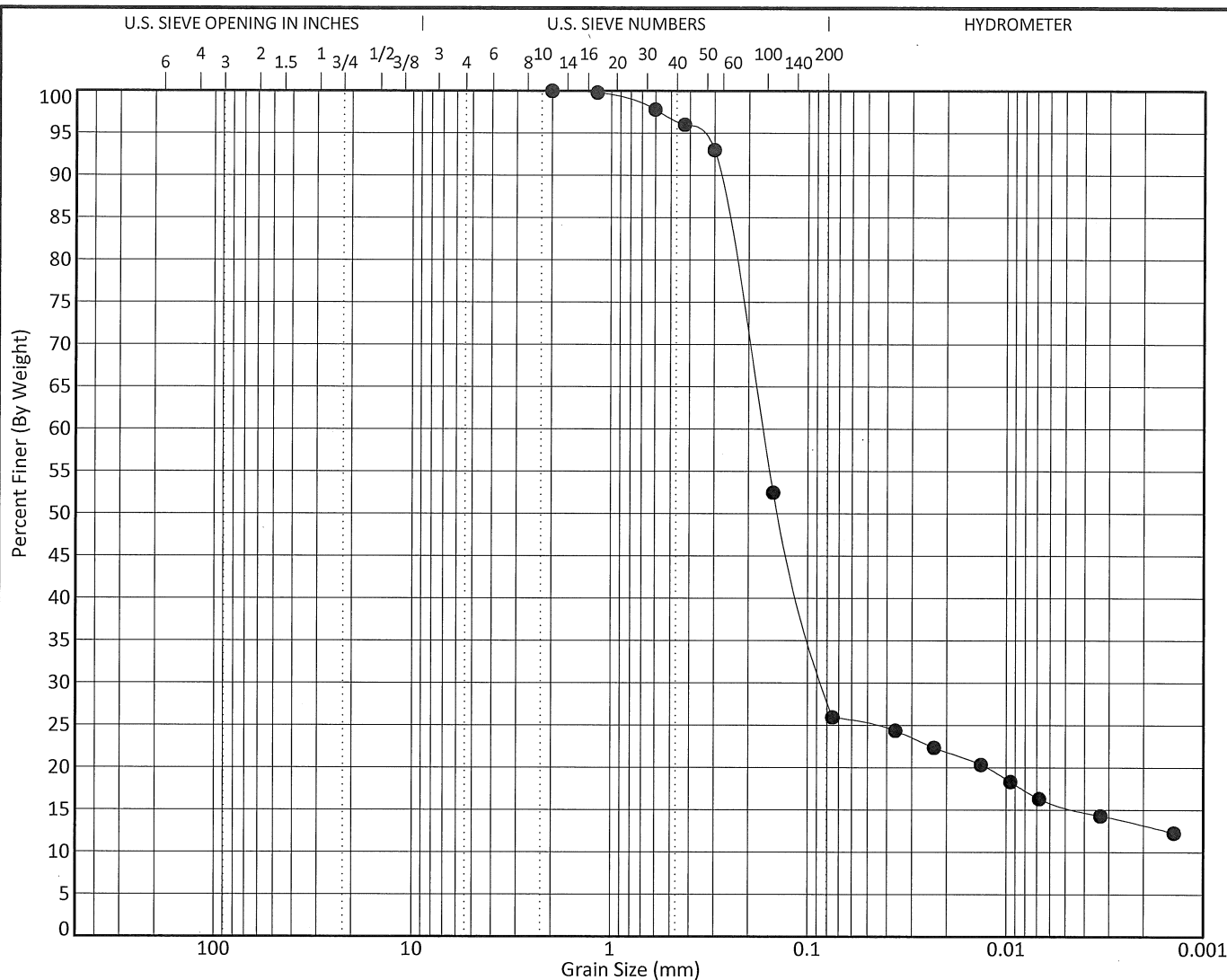
GRAIN SIZE DISTRIBUTION

Project No:

Client: Shealy Environmental

Project: 65R-3212

City/State: West Columbia, SC



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Boring No.	Depth	Classification				LL	PL	PI	Cc	Cu
● Coastal MW 22D	41.5	()								
at										
at										
at										
at										
Boring No.	Depth	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay	
● Coastal MW 22D	41.5	2	0.171	0.083		0.0	74.1	10.5	15.5	
at										
at										
at										
at										

**COASTAL 76 TRUCK STOP – UST PERMIT #03538
TIER II ASSESSMENT REPORT**

APPENDIX G

DISPOSAL MANIFESTS AND WEIGHT TICKETS



Richland County LF
1047 Highway Church Road
Elgin, SC, 29045
Ph: (803) 788-3054

Original
Ticket# 1348443

Customer Name PETRATECHENVIRO PETRA-TECH EN Carrier SMITH DRILLING
Ticket Date 12/01/2014 Vehicle# T 2
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0001043
State Waste Code Gen EPA ID NR
Manifest 0
Destination
PO
Profile 605496SC (DRILL CUTTINGS)
Generator 126-PETRATECHENVIRO PETRA-TECH ENVIRONMENTAL, LLC

Volume

	Time	Scale	ScaleMaster	Gross	
In	12/01/2014 10:39:36	Inbound #2	yhoke	Tare	12780 lb
Out	12/01/2014 10:56:30	Outbound	yhoke	Net	10200 lb
				Tons	5.10

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Sp. W.-T	100	5.10	Tons				38-ORANGEB
2 RCR-P-Regulatory C	100		%				38-ORANGEB
3 FUEL-Fuel Surcharg	100		%				38-ORANGEB
4 EVF-P-Standard Env	100		%				38-ORANGEB

UST #03538
0.5 tons (shallow well)

Total Fees
Total Ticket

SIGNATURE



SPECIAL WASTE MANIFEST

WASTE ID NUMBER 605496SC	Richland Landfill 1047 Highway Church Road Elgin, SC 29045 Special Waste Phone: 803-744-3345 Fax: 803-904-2194 803. 736.0995	
EXPIRATION DATE October 24, 2016		
Prepared by: Sandra Reeves		
GENERATOR OF WASTE: SCDHEC/PETRA-TECH ENVIRONMENTAL, LLC		
CUSTOMER: PETRA-TECH ENVIRONMENTAL, LLC		ACCOUNT NUMBER: 820-0001043-0082-7
LOCATION OF WASTE:		
CITY: Orangeburg / Moncks	COUNTY: Orangeburg County / Berkeley County	
PHONE NUMBER: 864-436-6322	CONTACT: TREVER SLACK	
FAX NUMBER: 888-838-9034		
GENERATOR'S SIGNATURE 	DATE: 9/12/14	
TRANSPORTER OF WASTE: Smith Drilling LLC		
DATE: 12-1-14 12-1-14	TRUCK NUMBER: T-4	
DRIVER'S SIGNATURE 		
**** TO BE COMPLETED BY RICHLAND LANDFILL ****		
DISPOSAL SITE: RICHLAND LANDFILL, ELGIN, SC	Waste Class: DRILL CUTTINGS	
DESCRIPTION OF WASTE: DRILL CUTTINGS		
TICKET NUMBER: 1348443	TONNAGE: 5.10	
RECEIVED BY: YH		



Richland County LF
1047 Highway Church Road
Elgin, SC, 29045
Ph: (803) 788-3054

Original
Ticket# 1338763

Customer Name PETRATECHENVIRO PETRA-TECH EN Carrier SMITH DRILLING
Ticket Date 10/10/2014 Vehicle# T 2 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0001043
State Waste Code Gen EPA ID NR
Manifest 0
Destination
PO
Profile 605496SC (DRILL CUTTINGS)
Generator 126-PETRATECHENVIRO PETRA-TECH ENVIRONMENTAL, LLC

	Time	Scale	ScaleMaster	Gross	
In	10/10/2014 14:20:20	Inbound #2	Dwayne	Tare	18680 lb
Out	10/10/2014 14:36:43	Outbound	Dwayne	Net	16520 lb
Comments				Tons	2160 lb
					1.08

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Sp. W.-T	100	1.08	Tons				38-ORANGE
2 RCR-P-Regulatory C	100		%				38-ORANGE
3 FUEL-Fuel Surcharg	100		%				38-ORANGE
4 EVF-P-Standard Env	100		%				38-ORANGE

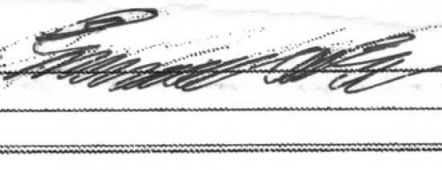
UST #03538
1.08 tons
Dacpneff

Total Fees
Total Ticket

SIGNATURE



SPECIAL WASTE MANIFEST

WASTE ID NUMBER 605496SC	Richland Landfill 1047 Highway Church Road Elgin, SC 29045 Special Waste Phone: 803-744-3345 Fax: 803-904-7194 803. 736. 0995	
EXPIRATION DATE October 24, 2016		
Prepared by:		Sandra Reeves
GENERATOR OF WASTE:		SCDHEC/PETRA-TECH ENVIRONMENTAL, LLC
CUSTOMER:		PETRA-TECH ENVIRONMENTAL, LLC
LOCATION OF WASTE:		ACCOUNT NUMBER: 820-0001043-0082-7
CITY:	Orangeburg / Moncks	COUNTY: Orangeburg County / Berkeley County
PHONE NUMBER:	864-436-6322	CONTACT: TREVER SLACK
FAX NUMBER:	888-838-9034	
GENERATOR'S SIGNATURE 		DATE: 9/12/14
TRANSPORTER OF WASTE:		Smith Drilling LLC
DATE:	10-10-14 9/12/2014	TRUCK NUMBER: T-2
DRIVER'S SIGNATURE 		
**** TO BE COMPLETED BY RICHLAND LANDFILL ****		
DISPOSAL SITE:		RICHLAND LANDFILL ELGIN, SC
DESCRIPTION OF WASTE: DRILL CUTTINGS		Waste Class: DRILL CUTTINGS
TICKET NUMBER:	1338763	TONNAGE: 1.05
RECEIVED BY: <i>DM</i>		

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number		2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number TS 12814			
5. Generator's Name and Mailing Address SCOTTCC 2600 Bull St Columbia, SC				Generator's Site Address (if different than mailing address) Petra-Tech Environmental, Agent for DTG 2435 G. North St, Suite 110P-202 Greenville SC 29615					
Generator's Phone:				U.S. EPA ID Number					
6. Transporter 1 Company Name Petra-Tech Environmental, LLC				U.S. EPA ID Number					
7. Transporter 2 Company Name				U.S. EPA ID Number					
8. Designated Facility Name and Site Address VHS Recovery Services, LLC 305 S. Main St Mauldin, SC 29662				U.S. EPA ID Number SCR000762468					
Facility's Phone: 864-962 9963									
GENERATOR	9. Waste Shipping Name and Description			10. Containers		11. Total Quantity	12. Unit Wt./Vol.		
				No.	Type				
	1. Non Haz/Non Regulated well water Profile #16374			1	ARC Tnk	175	gal		
	2.								
	3.								
4.									
13. Special Handling Instructions and Additional Information UST # 03538 ~ 90 gal UST # 08641 ~ 85 gal									
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.									
Generator's/Offor's Printed/Typed Name Travis Slake Agent				Signature 		Month 12	Day 8	Year 14	
INT'L	15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:								
	Transporter Signature (for exports only):								
TRANSPORTER	16. Transporter Acknowledgment of Receipt of Materials								
	Transporter 1 Printed/Typed Name Petra-Tech Environmental				Signature 		Month 12	Day 8	Year 14
DESIGNATED FACILITY	Transporter 2 Printed/Typed Name				Signature		Month	Day	Year
	17. Discrepancy								
	17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection								
	Manifest Reference Number:								
17b. Alternate Facility (or Generator)				U.S. EPA ID Number					
Facility's Phone:									
17c. Signature of Alternate Facility (or Generator)				Month Day Year					
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a									
Printed/Typed Name Steven L. Bon				Signature 		Month 12	Day 8	Year 14	

**COASTAL 76 TRUCK STOP – UST PERMIT #03538
TIER II ASSESSMENT REPORT**

APPENDIX H

ZONING REGULATIONS

Not Applicable to Current Scope of Work

**COASTAL 76 TRUCK STOP – UST PERMIT #03538
TIER II ASSESSMENT REPORT**

APPENDIX I

LEACHABILITY AND FATE AND TRANSPORT MODELS

Not Applicable to Current Scope of Work

**COASTAL 76 TRUCK STOP – UST PERMIT #03538
TIER II ASSESSMENT REPORT**

APPENDIX J

**RIGHT-OF-ENTRY FORMS, LETTERS PROVIDING ABBREVIATED COPIES
TO EACH PROPERTY OWNER**

December 16, 2014

Dan Mceachin
1007 Wentworth Drive
Florence, South Carolina 29501

Subject: **Tier II Assessment Report – Abbreviated Copy**
Coastal 76 Truck Stop
2513 E. Palmetto Street
Florence, Florence County, South Carolina
SCDHEC UST Permit #03538
PTE Job No. J14-070-A

Dear property owner:

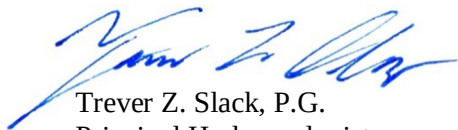
Please find enclosed a copy of the Tier II Assessment Report for your records. The report describes activities performed on behalf of UST Permit #03538 located at 2513 E. Palmetto Street, Florence, Florence County, South Carolina. The Tier II Assessment activities were performed in response to the South Carolina Department of Health and Environmental Control's Tier II directive letter dated September 5, 2014. The Tier II Assessment Report is distributed to owners of properties where assessment activities may have been performed and to those who expressed interest in the assessment findings.

If you have any questions regarding the above mentioned assessment report, please do not hesitate to contact us or the South Carolina Department of Health and Environmental Control (SCDHEC) at:

SCDHEC – Ms. Maia Milenkova, Project Manager
Phone: 803.898.0592
Email: milenkmp@dhec.sc.gov

Sincerely,

Petra-Tech Environmental



Trever Z. Slack, P.G.
Principal Hydrogeologist

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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
Encroachment Permit

Permit No : 174034

Permit Decision Date : 10/3/2014

Expiration Date : 10/3/2015

Type

Permit : ENVIRONMENTAL

Location:

<u>District</u>	<u>Work County</u>	<u>Type</u>	<u>Route</u>	<u>Aux</u>	<u>Begin MP</u>	<u>End MP</u>
5	Florence, SC	S-	176	None	0.199	0.199
5	Florence, SC	US	76	None	21.214	21.214
5	Florence, SC	S-	404	None	0.159	0.159

Contact Information

Applicant: Petra-TechEnvironmental

Phone:

Contact: Kaye Burch

Address: 2435 East North Street ,STE
1108-202

City: Greenville

State: SC

Zip: 29615

Comments

Site is: Coastal 76 Truck Stop at 2513 East Palmetto Street. Wells to be installed along E Palmetto Street (also listed as 301), N Koppers Road, and N Trailer Road. See attached maps for well locations. Wells to be 4 feet off edge of pavement.

Special Provisions:

9999 - See Attached for Additional Special Provisions

SITE ACCESS AGREEMENT

This **SITE ACCESS AGREEMENT** ("Agreement") is entered into by Moody Real Estate
"Owner," and **UST #03538**.

WHEREAS, **Owner** owns the property (the "Property") described as follows:
Tax Map ID 90150-01-041 located at <SEE TAX MAP ID>, Florence, Florence County, SC

WHEREAS, **UST #03538** owned the nearby lot located at 2513 East Palmetto Street, Florence, South Carolina proximal to the Property (the "Proximal Property");

WHEREAS, the **South Carolina Department of Health and Environmental Control, (SCDHEC)** is requiring **UST #03538** to conduct certain assessment activities relating to groundwater contamination present on the Proximal Property; and

WHEREAS, for **UST #03538** to conduct the testing relating to these assessment activities, **UST #03538** needs the permission of **owner** to enter onto the Proximal Property in order to conduct the assessment activities specified herein.

NOW, THEREFORE, **UST #03538** and **Owner** agree as follows:

1. Owner hereby grants **UST #03538** and its employees, agents servants, contractors, and subcontractors (collectively "**UST #03538**" for this Agreement) permission to enter upon Owner's Proximal Property, as necessary, to conduct Geoprobe screening borings and install a groundwater monitoring well(s), for sampling of the groundwater as required by the SCDHEC.
2. The boring(s) will not limit or obstruct use of the property. Any waste materials generated by the installation activities will be properly handled and disposed of by **UST #03538**.
3. **UST #03538** will restore the Property to similar surficial condition and stability as existed prior to the performance of the borings with the exception of a two foot by two foot concrete pad installed flush with the ground in a manner consistent with State requirements. **UST #03538** will take reasonable measures to prevent soil erosion as a result of assessment activities and will repair the site disturbances resulting from assessment activities.
4. This Agreement shall become effective on the date of execution by the last executing Party.
5. **Owner** hereby agrees that all parties with an interest in the Property are signing this document as **Owner**.

OWNER NAME: Pea Dee Ac Moody Real Estate

OWNER SIGNATURE: Mary Lou Moody

DATE: 10.21.2014 PHONE: 843-759-2949
or 843-667-8882 Rodney

EMAIL: _____

SITE ACCESS AGREEMENT

This **SITE ACCESS AGREEMENT** ("Agreement") is entered into by Mardy Real Estate
"Owner," and **UST #03538**.

WHEREAS, **Owner** owns the property (the "Property") described as follows:
Tax Map ID 90150-01-027 located at Palmetto Street, Florence, Florence County, SC

WHEREAS, **UST #03538** owned the nearby lot located at 2513 East Palmetto Street, Florence, South Carolina proximal to the Property (the "Proximal Property");

WHEREAS, the **South Carolina Department of Health and Environmental Control, (SCDHEC)** is requiring **UST #03538** to conduct certain assessment activities relating to groundwater contamination present on the Proximal Property; and

WHEREAS, for **UST #03538** to conduct the testing relating to these assessment activities, **UST #03538** needs the permission of **owner** to enter onto the Proximal Property in order to conduct the assessment activities specified herein.

NOW, THEREFORE, **UST #03538** and **Owner** agree as follows:

1. Owner hereby grants **UST #03538** and its employees, agents servants, contractors, and subcontractors (collectively "**UST #03538**" for this Agreement) permission to enter upon Owner's Proximal Property, as necessary, to conduct Geoprobe screening borings and install a groundwater monitoring well(s), for sampling of the groundwater as required by the SCDHEC.
2. The boring(s) will not limit or obstruct use of the property. Any waste materials generated by the installation activities will be properly handled and disposed of by **UST #03538**.
3. **UST #03538** will restore the Property to similar surficial condition and stability as existed prior to the performance of the borings with the exception of a two foot by two foot concrete pad installed flush with the ground in a manner consistent with State requirements. **UST #03538** will take reasonable measures to prevent soil erosion as a result of assessment activities and will repair the site disturbances resulting from assessment activities.
4. This Agreement shall become effective on the date of execution by the last executing Party.
5. **Owner** hereby agrees that all parties with an interest in the Property are signing this document as **Owner**.

OWNER NAME: Mardy Real Estate

OWNER SIGNATURE: Mary Lou Mooney

DATE: 10-21-2014

PHONE: 1-843-759-2949

EMAIL: or 843-667-8882 Radney



October 9, 2014

Lory Wade Rawlinson
142 N Mustang Road
Florence, SC 29506

Return to Sender

Subject: Request for Site Access: SECOND REQUEST
Property located at 111 Trailer Road, Florence, Florence County, SC
Tax Map ID: 90150-01-028
PTE Job No. J14-070-A

To Whom It May Concern:

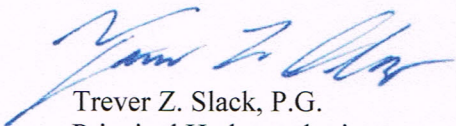
Petra-Tech Environmental is currently conducting work on behalf of the South Carolina Department of Health and Environmental Control (SCDHEC) to assess the extent of a historical gasoline release from a nearby gas station/underground storage tank system, Coastal 76 Truck Stop, (UST #03538 on 2513 East Palmetto Street) in Florence, Florence County, South Carolina. During the assessment, Petra-Tech Environmental staff will be performing groundwater screening using a direct push drill. The drill will create an approximate 1.5-inch diameter hole, and the resulting hole will be filled as soon as the groundwater sample has been removed from the ground. The groundwater samples will be submitted to a laboratory for analysis, and the results of the analysis will be submitted to the SCDHEC for determination of groundwater monitoring well locations. If determined necessary, groundwater monitoring wells will be installed for future groundwater sampling, and will be completed at grade. The wells will consist of an approximate 6-inch diameter steel manhole cover and 2 foot by 2 foot concrete pad, and will not interfere with normal usage of the property.

During the course of our assessment, it may become necessary to collect one or more groundwater samples from your property. Please find attached a **Site Access Agreement** for permission to conduct groundwater screening and/or install a groundwater monitoring well(s) for groundwater sampling located on your property identified as in Florence, Florence County, South Carolina (Tax Map ID). Please sign the attached Site Access Agreement and return to us in the enclosed self-addressed stamped envelope. We will contact you with the confirmed date prior to any sampling or drilling activities.

Thank you in advance for your help. Please do not hesitate to contact us at 864.631.2490 or info@petratechenv.com if you have any questions. You may also contact the SCDHEC Project Manager Ms. Maia Milenkova at 803-898-0592 or milenkmp@dhec.sc.gov.

Sincerely,

Petra-Tech Environmental



Trevor Z. Slack, P.G.
Principal Hydrogeologist



SITE ACCESS AGREEMENT

This **SITE ACCESS AGREEMENT** ("Agreement") is entered into by _____
"Owner," and **UST #03538**.

WHEREAS, **Owner** owns the property (the "Property") described as follows:
Tax Map ID 90150-01-028 located at 111 Trailer Road, Florence, Florence County, SC

WHEREAS, **UST #03538** owned the nearby lot located at 2513 East Palmetto Street, Florence, South Carolina proximal to the Property (the "Proximal Property");

WHEREAS, the **South Carolina Department of Health and Environmental Control, (SCDHEC)** is requiring **UST #03538** to conduct certain assessment activities relating to groundwater contamination present on the Proximal Property; and

WHEREAS, for **UST #03538** to conduct the testing relating to these assessment activities, **UST #03538** needs the permission of **owner** to enter onto the Proximal Property in order to conduct the assessment activities specified herein.

NOW, THEREFORE, **UST #03538** and **Owner** agree as follows:

1. Owner hereby grants **UST #03538** and its employees, agents servants, contractors, and subcontractors (collectively "**UST #03538**" for this Agreement) permission to enter upon Owner's Proximal Property, as necessary, to conduct Geoprobe screening borings and install a groundwater monitoring well(s), for sampling of the groundwater as required by the SCDHEC.
2. The boring(s) will not limit or obstruct use of the property. Any waste materials generated by the installation activities will be properly handled and disposed of by **UST #03538**.
3. **UST #03538** will restore the Property to similar surficial condition and stability as existed prior to the performance of the borings with the exception of a two foot by two foot concrete pad installed flush with the ground in a manner consistent with State requirements. **UST #03538** will take reasonable measures to prevent soil erosion as a result of assessment activities and will repair the site disturbances resulting from assessment activities.
4. This Agreement shall become effective on the date of execution by the last executing Party.
5. **Owner** hereby agrees that all parties with an interest in the Property are signing this document as **Owner**.

OWNER NAME: _____

OWNER SIGNATURE: _____

DATE: _____ PHONE: _____

EMAIL: _____



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

October 2014

SUBJECT: Letter of Introduction
Assessment of Releases from Permitted Underground Storage Tank Facilities

Dear Property Owner:

A release of petroleum products has occurred from the underground storage tanks located at the facility identified in the attached letter. The tank owner/operator of the facility has elected to allow the South Carolina Department of Health and Environmental Control (Agency) to procure the services of a site rehabilitation contractor on their behalf to investigate the extent and severity of the release. The Agency has entered into a contract with Petra-Tech Environmental, LLC. (Petra-Tech) to conduct all necessary assessment activities. The Agency will pay costs for all necessary assessment activities at no cost to you or a future landowner.

During the course of the assessment, Petra-Tech may need to access the highway right-of-way and your property to collect needed soil and groundwater samples to determine the extent of the problem and any potential risk to human health and the environment. Should access to your property be requested, please provide approval in a timely fashion so any problems can be quickly identified and cleanup, if required, can be started in a timely fashion.

All work will be conducted in a professional manner and every effort will be made to minimize any disturbance to your property and any inconvenience to you. Petra-Tech is expected to discuss with you the proposed locations of any sample collection points or monitoring wells before doing any work on or near your property. The location of the wells or sampling points can be moved as needed based on your requests. Screening points consist of pushing rods or auguring small holes into the ground, collecting a soil and sometimes a groundwater sample, and immediately filling in the hole. Monitoring wells are a small diameter hole bored or drilled into the ground to collect groundwater samples. The wells will consist of a 2-foot by 2-foot or smaller concrete pad finished flush with the ground and a small diameter manhole cover similar to a water meter. As soon as the assessment and any corrective action activities are completed, the well will be filled in and the well pad removed from any grassed area with no permanent effect to your property. A copy of the assessment report will be mailed or if you prefer e-mailed to your attention upon completion of this work.

Your cooperation is greatly appreciated. If you have any questions, please contact me at (803) 898-0595. You can fax me at (803) 898-0673, or e-mail me at brineysm@dhec.sc.gov.

Sincerely,

Stephanie Briney, Hydrogeologist
Assessment Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

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August 11, 2014

PEE DEE REGIONAL AIRPORT
DISTRICT
2100 TERMINAL DR
FLORENCE, SC 29506

Subject: Water Supply Well Survey and Request to Sample
Properties located at (SEE TAX MAP ID) in Florence, Florence County, SC
Tax Map ID / Parcel # 00177-01-001
PTE Job No. J14-070-A

To Whom It May Concern:

Petra-Tech Environmental, LLC is currently conducting work on behalf of the South Carolina Department of Health and Environmental Control (SCDHEC) to assess the extent of a historical gasoline release from Underground Storage Tank (UST) Permit #03538, Coastal 76 Truck Stop, located at 2513 East Palmetto Street, Florence, Florence County, South Carolina. As part of the assessment, Petra-Tech Environmental, LLC is conducting a water supply well survey of properties located within a 1,000-foot radius of the UST system.

Please complete information below to the best of your knowledge and return in the enclosed stamped envelope.

1) What is the source of drinking water for the subject property?

☒ Public Water ☐ Water Supply Well ☐ Stream ☐ Other - _____

2) Is there a water supply well on the subject property? ☒ Yes ☐ No

If "No", please disregard the remaining questions and return survey.

3) What is the well typically used for? ☐ Drinking ☒ Irrigation ☐ Livestock ☐ Not in Use

4) How many residences are connected to the well? ☒ Please list addresses:

5) Please provide well construction details (as much is known).

How deep is the well? UNK When was the well installed? ~2005

What is the casing depth/screened interval of the well? _____

6) As part of the assessment, Petra-Tech Environmental, LLC can sample your water supply well free-of-charge for the presence of petroleum compounds. Please indicate how you would like to receive the results:

☒ Mail - Chuck Henderson @ the Above Address

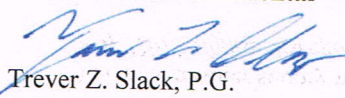
☐ Email - _____

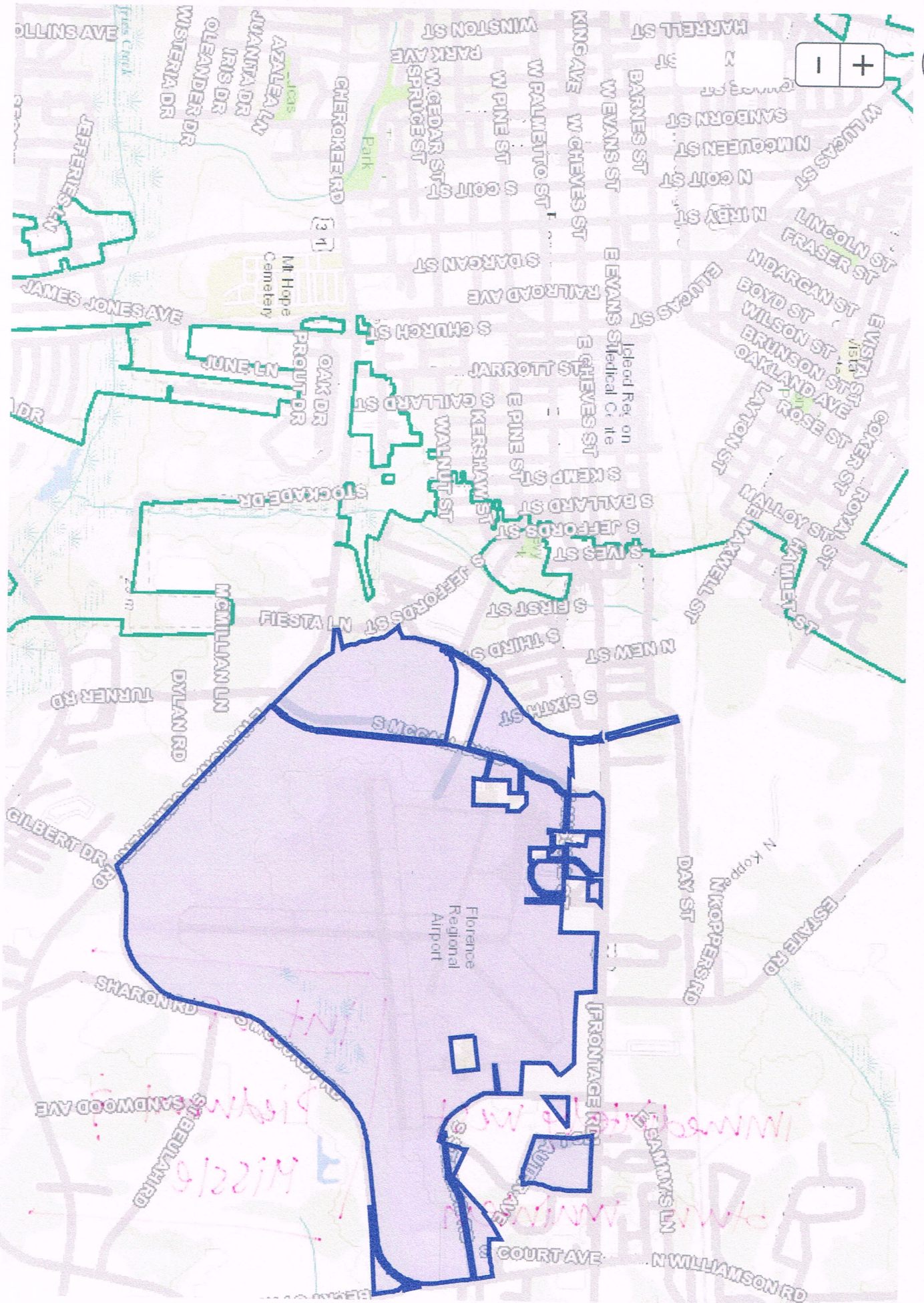
OWNER: Charles M. Henderson DATE: 8/15/14

PHONE: 843 519-0556 EMAIL: CHenderson@FLYFLD.US

Thank you in advance for your help. Please do not hesitate to contact us at 864.678.0904 if you have any questions.

Petra-Tech Environmental


Trevor Z. Slack, P.G.
Principal Hydrogeologist



August 11, 2014

MOODY REAL ESTATE INC
1609 ELVINGTON CT
LAKEVIEW, SC 29563

Subject: Water Supply Well Survey and Request to Sample
Properties located at (SEE TAX MAP ID) in Florence, Florence County, SC
Tax Map ID / Parcel # 90150-01-041
PTE Job No. J14-070-A

To Whom It May Concern:

Petra-Tech Environmental, LLC is currently conducting work on behalf of the South Carolina Department of Health and Environmental Control (SCDHEC) to assess the extent of a historical gasoline release from Underground Storage Tank (UST) Permit #03538, Coastal 76 Truck Stop, located at 2513 East Palmetto Street, Florence, Florence County, South Carolina. As part of the assessment, Petra-Tech Environmental, LLC is conducting a water supply well survey of properties located within a 1,000-foot radius of the UST system.

Please complete information below to the best of your knowledge and return in the enclosed stamped envelope.

1) What is the source of drinking water for the subject property?
☒ Public Water ☐ Water Supply Well ☐ Stream ☐ Other - _____

2) Is there a water supply well on the subject property? ☐ Yes ☒ No
If "No", please disregard the remaining questions and return survey.

3) What is the well typically used for? ☐ Drinking ☐ Irrigation ☐ Livestock ☐ Not in Use

4) How many residences are connected to the well? ☐ Please list addresses:

5) Please provide well construction details (as much is known).

How deep is the well? _____ When was the well installed? _____
What is the casing depth/screened interval of the well? _____

6) As part of the assessment, Petra-Tech Environmental, LLC can sample your water supply well free-of-charge for the presence of petroleum compounds. Please indicate how you would like to receive the results:

☐ Mail - _____

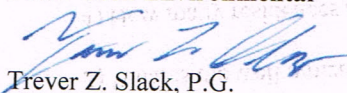
☐ Email - _____

OWNER: Mary Lou Moody Moody Real Estate DATE: 8/19/2014

PHONE: 843.667.8882 EMAIL: _____

Thank you in advance for your help. Please do not hesitate to contact us at 864.678.0904 if you have any questions.

Petra-Tech Environmental


Trevor Z. Slack, P.G.
Principal Hydrogeologist

August 11, 2014

MOODY REAL ESTATE INC
1609 ELVINGTON CT
LAKEVIEW, SC 29563

Subject: Water Supply Well Survey and Request to Sample
Properties located at 2407 E PALMETTO STREET in Florence, Florence County, SC
Tax Map ID / Parcel # 90150-01-027
PTE Job No. J14-070-A

To Whom It May Concern:

Petra-Tech Environmental, LLC is currently conducting work on behalf of the South Carolina Department of Health and Environmental Control (SCDHEC) to assess the extent of a historical gasoline release from Underground Storage Tank (UST) Permit #03538, Coastal 76 Truck Stop, located at 2513 East Palmetto Street, Florence, Florence County, South Carolina. As part of the assessment, Petra-Tech Environmental, LLC is conducting a water supply well survey of properties located within a 1,000-foot radius of the UST system.

Please complete information below to the best of your knowledge and return in the enclosed stamped envelope.

1) What is the source of drinking water for the subject property?

☒ Public Water ☐ Water Supply Well ☐ Stream ☐ Other - _____

2) Is there a water supply well on the subject property? ☐ Yes ☒ No

If "No", please disregard the remaining questions and return survey.

3) What is the well typically used for? ☐ Drinking ☐ Irrigation ☐ Livestock ☐ Not in Use

4) How many residences are connected to the well? ☐ Please list addresses:

5) Please provide well construction details (as much is known).

How deep is the well? _____ When was the well installed? _____

What is the casing depth/screened interval of the well? _____

6) As part of the assessment, Petra-Tech Environmental, LLC can sample your water supply well free-of-charge for the presence of petroleum compounds. Please indicate how you would like to receive the results:

☐ Mail - _____

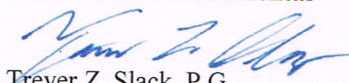
☐ Email - _____

OWNER: Mary Lou Moody Moody Real Estate DATE: 8-19-2014

PHONE: 843 759 2949 EMAIL: _____

Thank you in advance for your help. Please do not hesitate to contact us at 864.678.0904 if you have any questions.

Petra-Tech Environmental


Trever Z. Slack, P.G.
Principal Hydrogeologist

August 11, 2014

MOODY'S REAL ESTATE INC
1609 ELVINGTON CT
LAKEVIEW, SC 29563

Subject: Water Supply Well Survey and Request to Sample
Properties located at (SEE TAX MAP ID) in Florence, Florence County, SC
Tax Map ID / Parcel # 90150-01-003
PTE Job No. J14-070-A

To Whom It May Concern:

Petra-Tech Environmental, LLC is currently conducting work on behalf of the South Carolina Department of Health and Environmental Control (SCDHEC) to assess the extent of a historical gasoline release from Underground Storage Tank (UST) Permit #03538, Coastal 76 Truck Stop, located at 2513 East Palmetto Street, Florence, Florence County, South Carolina. As part of the assessment, Petra-Tech Environmental, LLC is conducting a water supply well survey of properties located within a 1,000-foot radius of the UST system.

Please complete information below to the best of your knowledge and return in the enclosed stamped envelope.

1) What is the source of drinking water for the subject property?
☒ Public Water ☐ Water Supply Well ☐ Stream ☐ Other - _____

2) Is there a water supply well on the subject property? ☐ Yes ☒ No
If "No", please disregard the remaining questions and return survey.

3) What is the well typically used for? ☐ Drinking ☐ Irrigation ☐ Livestock ☐ Not in Use

4) How many residences are connected to the well? ☐ Please list addresses:

5) Please provide well construction details (as much is known).

How deep is the well? _____ When was the well installed? _____
What is the casing depth/screened interval of the well? _____

6) As part of the assessment, Petra-Tech Environmental, LLC can sample your water supply well free-of-charge for the presence of petroleum compounds. Please indicate how you would like to receive the results:

☐ Mail - _____

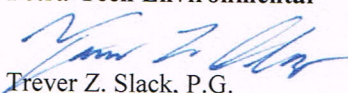
☐ Email - _____

OWNER: Mary Lou Moody (Moody Real Estate) DATE: 8-19-2014

PHONE: 843-759-2949 EMAIL: _____

Thank you in advance for your help. Please do not hesitate to contact us at 864.678.0904 if you have any questions.

Petra-Tech Environmental


Trevor Z. Slack, P.G.
Principal Hydrogeologist

August 11, 2014

MOODY'S REAL ESTATE INC
1609 ELVINGTON CT
LAKEVIEW, SC 29563

Subject: Water Supply Well Survey and Request to Sample
Properties located at 112 N MUSTANG ROAD in Florence, Florence County, SC
Tax Map ID / Parcel # 90150-01-004
PTE Job No. J14-070-A

To Whom It May Concern:

Petra-Tech Environmental, LLC is currently conducting work on behalf of the South Carolina Department of Health and Environmental Control (SCDHEC) to assess the extent of a historical gasoline release from Underground Storage Tank (UST) Permit #03538, Coastal 76 Truck Stop, located at 2513 East Palmetto Street, Florence, Florence County, South Carolina. As part of the assessment, Petra-Tech Environmental, LLC is conducting a water supply well survey of properties located within a 1,000-foot radius of the UST system.

Please complete information below to the best of your knowledge and return in the enclosed stamped envelope.

- 1) What is the source of drinking water for the subject property?
☒ Public Water ☐ Water Supply Well ☐ Stream ☐ Other - _____
- 2) Is there a water supply well on the subject property? ☐ Yes ☒ No
If "No", please disregard the remaining questions and return survey.
- 3) What is the well typically used for? ☐ Drinking ☐ Irrigation ☐ Livestock ☐ Not in Use
- 4) How many residences are connected to the well? ☐ Please list addresses:

- 5) Please provide well construction details (as much is known).
How deep is the well? _____ When was the well installed? _____
What is the casing depth/screened interval of the well? _____

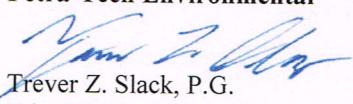
6) As part of the assessment, Petra-Tech Environmental, LLC can sample your water supply well free-of-charge for the presence of petroleum compounds. Please indicate how you would like to receive the results:

☐ Mail - _____

☒ Email - _____
OWNER: Mary Lou Moody DATE: 8-19-2014
PHONE: 843-759-2949 EMAIL: _____

Thank you in advance for your help. Please do not hesitate to contact us at 864.678.0904 if you have any questions.

Petra-Tech Environmental


Trevor Z. Slack, P.G.
Principal Hydrogeologist

August 11, 2014

MOODY'S REAL ESTATE INC
1609 ELVINGTON CT
LAKEVIEW, SC 29563

Subject: Water Supply Well Survey and Request to Sample
Properties located at 114 N MUSTANG ROAD in Florence, Florence County, SC
Tax Map ID / Parcel # 90150-01-005
PTE Job No. J14-070-A

To Whom It May Concern:

Petra-Tech Environmental, LLC is currently conducting work on behalf of the South Carolina Department of Health and Environmental Control (SCDHEC) to assess the extent of a historical gasoline release from Underground Storage Tank (UST) Permit #03538, Coastal 76 Truck Stop, located at 2513 East Palmetto Street, Florence, Florence County, South Carolina. As part of the assessment, Petra-Tech Environmental, LLC is conducting a water supply well survey of properties located within a 1,000-foot radius of the UST system.

Please complete information below to the best of your knowledge and return in the enclosed stamped envelope.

- 1) What is the source of drinking water for the subject property?
___ Public Water ___ Water Supply Well ___ Stream ___ Other - _____
- 2) Is there a water supply well on the subject property? ___ Yes ___ No
If "No", please disregard the remaining questions and return survey.
- 3) What is the well typically used for? ___ Drinking ___ Irrigation ___ Livestock ___ Not in Use
- 4) How many residences are connected to the well? ___ Please list addresses:

- 5) Please provide well construction details (as much is known).
How deep is the well? _____ When was the well installed? _____
What is the casing depth/screened interval of the well? _____
- 6) As part of the assessment, Petra-Tech Environmental, LLC can sample your water supply well free-of-charge for the presence of petroleum compounds. Please indicate how you would like to receive the results:

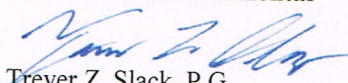
___ Mail - _____

___ Email - _____

OWNER: Mary Lou Moody DATE: 8-19-2014
PHONE: 843-459-2949 EMAIL: _____

Thank you in advance for your help. Please do not hesitate to contact us at 864.678.0904 if you have any questions.

Petra-Tech Environmental


Trever Z. Slack, P.G.
Principal Hydrogeologist

August 11, 2014

MOODY REAL ESTATE INC
1609 ELVINGTON CT
LAKEVIEW, SC 29563

Subject: Water Supply Well Survey and Request to Sample
Properties located at 2405 E PALMETTO STREET in Florence, Florence County, SC
Tax Map ID / Parcel # 90150-01-001
PTE Job No. J14-070-A

To Whom It May Concern:

Petra-Tech Environmental, LLC is currently conducting work on behalf of the South Carolina Department of Health and Environmental Control (SCDHEC) to assess the extent of a historical gasoline release from Underground Storage Tank (UST) Permit #03538, Coastal 76 Truck Stop, located at 2513 East Palmetto Street, Florence, Florence County, South Carolina. As part of the assessment, Petra-Tech Environmental, LLC is conducting a water supply well survey of properties located within a 1,000-foot radius of the UST system.

Please complete information below to the best of your knowledge and return in the enclosed stamped envelope.

- 1) What is the source of drinking water for the subject property?
☒ Public Water ☐ Water Supply Well ☐ Stream ☐ Other - _____
- 2) Is there a water supply well on the subject property? ☐ Yes ☒ No
If "No", please disregard the remaining questions and return survey.
- 3) What is the well typically used for? ☐ Drinking ☐ Irrigation ☐ Livestock ☐ Not in Use
- 4) How many residences are connected to the well? ☐ Please list addresses:

- 5) Please provide well construction details (as much is known).
How deep is the well? _____ When was the well installed? _____
What is the casing depth/screened interval of the well? _____
- 6) As part of the assessment, Petra-Tech Environmental, LLC can sample your water supply well free-of-charge for the presence of petroleum compounds. Please indicate how you would like to receive the results:

☐ Mail - _____

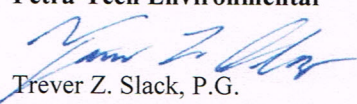
☐ Email - _____

OWNER: Mary Lou Moody DATE: 8.19.2014

PHONE: 843.759.2949 EMAIL: _____

Thank you in advance for your help. Please do not hesitate to contact us at 864.678.0904 if you have any questions.

Petra-Tech Environmental


Trever Z. Slack, P.G.
Principal Hydrogeologist

August 11, 2014

PEE DEE REGIONAL AIRPORT
2100 TERMINAL DR
FLORENCE, SC 29506

Subject: Water Supply Well Survey and Request to Sample
Properties located at (SEE TAX MAP ID) in Florence, Florence County, SC
Tax Map ID / Parcel # 00207-01-020
PTE Job No. J14-070-A

To Whom It May Concern:

Petra-Tech Environmental, LLC is currently conducting work on behalf of the South Carolina Department of Health and Environmental Control (SCDHEC) to assess the extent of a historical gasoline release from Underground Storage Tank (UST) Permit #03538, Coastal 76 Truck Stop, located at 2513 East Palmetto Street, Florence, Florence County, South Carolina. As part of the assessment, Petra-Tech Environmental, LLC is conducting a water supply well survey of properties located within a 1,000-foot radius of the UST system.

Please complete information below to the best of your knowledge and return in the enclosed stamped envelope.

1) What is the source of drinking water for the subject property?
☒ Public Water ☐ Water Supply Well ☐ Stream ☐ Other - _____

2) Is there a water supply well on the subject property? ☐ Yes ☒ No
If "No", please disregard the remaining questions and return survey.

3) What is the well typically used for? ☐ Drinking ☐ Irrigation ☐ Livestock ☐ Not in Use

4) How many residences are connected to the well? ☐ Please list addresses:

5) Please provide well construction details (as much is known).

How deep is the well? _____ When was the well installed? _____
What is the casing depth/screened interval of the well? _____

6) As part of the assessment, Petra-Tech Environmental, LLC can sample your water supply well free-of-charge for the presence of petroleum compounds. Please indicate how you would like to receive the results:

☐ Mail - _____

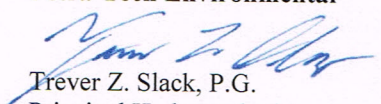
☐ Email - _____

OWNER: _____ DATE: _____

PHONE: _____ EMAIL: _____

Thank you in advance for your help. Please do not hesitate to contact us at 864.678.0904 if you have any questions.

Petra-Tech Environmental


Trever Z. Slack, P.G.
Principal Hydrogeologist

August 11, 2014

PEE DEE REGIONAL AIRPORT
2100 TERMINAL AIRPORT
FLORENCE, SC 29506

Subject: Water Supply Well Survey and Request to Sample
Properties located at 2626 E PALMETTO STREET in Florence, Florence County, SC
Tax Map ID / Parcel # 00207-01-021
PTE Job No. J14-070-A

To Whom It May Concern:

Petra-Tech Environmental, LLC is currently conducting work on behalf of the South Carolina Department of Health and Environmental Control (SCDHEC) to assess the extent of a historical gasoline release from Underground Storage Tank (UST) Permit #03538, Coastal 76 Truck Stop, located at 2513 East Palmetto Street, Florence, Florence County, South Carolina. As part of the assessment, Petra-Tech Environmental, LLC is conducting a water supply well survey of properties located within a 1,000-foot radius of the UST system.

Please complete information below to the best of your knowledge and return in the enclosed stamped envelope.

- 1) What is the source of drinking water for the subject property?
☒ Public Water ☐ Water Supply Well ☐ Stream ☐ Other - _____
- 2) Is there a water supply well on the subject property? ☒ Yes ☒ No *CH*
If "No", please disregard the remaining questions and return survey.
- 3) What is the well typically used for? ☐ Drinking ☐ Irrigation ☐ Livestock ☒ Not in Use
- 4) How many residences are connected to the well? ☒ Please list addresses: _____
- 5) Please provide well construction details (as much is known).
How deep is the well? 26 ft When was the well installed? _____
What is the casing depth/screened interval of the well? _____
- 6) As part of the assessment, Petra-Tech Environmental, LLC can sample your water supply well free-of-charge for the presence of petroleum compounds. Please indicate how you would like to receive the results:

☒ Mail - Chuck Henderson at the above address
☐ Email - _____
OWNER: Charles Henderson DATE: 8/15/14
PHONE: (843) 519-0556 EMAIL: CHenderson@FLYFLD.US

Thank you in advance for your help. Please do not hesitate to contact us at 864.678.0904 if you have any questions.

Petra-Tech Environmental

Trever Z. Slack
Trever Z. Slack, P.G.
Principal Hydrogeologist

August 11, 2014

RAWLINSON LORY WADE SR
220 S WHITE PALM CT
FLORENCE, SC 29506

Subject: Water Supply Well Survey and Request to Sample
Properties located at 125 N MUSTANG ROAD in Florence, Florence County, SC
Tax Map ID / Parcel # 90150-01-022
PTE Job No. J14-070-A

To Whom It May Concern:

Petra-Tech Environmental, LLC is currently conducting work on behalf of the South Carolina Department of Health and Environmental Control (SCDHEC) to assess the extent of a historical gasoline release from Underground Storage Tank (UST) Permit #03538, Coastal 76 Truck Stop, located at 2513 East Palmetto Street, Florence, Florence County, South Carolina. As part of the assessment, Petra-Tech Environmental, LLC is conducting a water supply well survey of properties located within a 1,000-foot radius of the UST system.

Please complete information below to the best of your knowledge and return in the enclosed stamped envelope.

1) What is the source of drinking water for the subject property?

☒ Public Water ☐ Water Supply Well ☐ Stream ☐ Other - _____

2) Is there a water supply well on the subject property? ☐ Yes ☒ No

If "No", please disregard the remaining questions and return survey.

3) What is the well typically used for? ☐ Drinking ☐ Irrigation ☐ Livestock ☐ Not in Use

4) How many residences are connected to the well? ☐ Please list addresses:

5) Please provide well construction details (as much is known).

How deep is the well? _____ When was the well installed? _____

What is the casing depth/screened interval of the well? _____

6) As part of the assessment, Petra-Tech Environmental, LLC can sample your water supply well free-of-charge for the presence of petroleum compounds. Please indicate how you would like to receive the results:

☐ Mail - _____

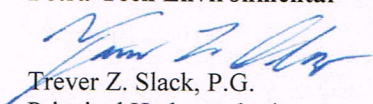
☐ Email - _____

OWNER: _____ DATE: _____

PHONE: _____ EMAIL: _____

Thank you in advance for your help. Please do not hesitate to contact us at 864.678.0904 if you have any questions.

Petra-Tech Environmental


Trever Z. Slack, P.G.
Principal Hydrogeologist

August 11, 2014

RAWLINSON LORY WADE
220 S WHITE PALM CT
FLORENCE, SC 29506

Subject: Water Supply Well Survey and Request to Sample
Properties located at N TRAILER ROAD in Florence, Florence County, SC
Tax Map ID / Parcel # 90150-01-028
PTE Job No. J14-070-A

To Whom It May Concern:

Petra-Tech Environmental, LLC is currently conducting work on behalf of the South Carolina Department of Health and Environmental Control (SCDHEC) to assess the extent of a historical gasoline release from Underground Storage Tank (UST) Permit #03538, Coastal 76 Truck Stop, located at 2513 East Palmetto Street, Florence, Florence County, South Carolina. As part of the assessment, Petra-Tech Environmental, LLC is conducting a water supply well survey of properties located within a 1,000-foot radius of the UST system.

Please complete information below to the best of your knowledge and return in the enclosed stamped envelope.

- 1) What is the source of drinking water for the subject property?
☒ Public Water ☐ Water Supply Well ☐ Stream ☐ Other - _____
- 2) Is there a water supply well on the subject property? ☐ Yes ☒ No
If "No", please disregard the remaining questions and return survey.
- 3) What is the well typically used for? ☐ Drinking ☐ Irrigation ☐ Livestock ☐ Not in Use
- 4) How many residences are connected to the well? ☐ Please list addresses:

- 5) Please provide well construction details (as much is known).
How deep is the well? _____ When was the well installed? _____
What is the casing depth/screened interval of the well? _____

6) As part of the assessment, Petra-Tech Environmental, LLC can sample your water supply well free-of-charge for the presence of petroleum compounds. Please indicate how you would like to receive the results:

☐ Mail - _____

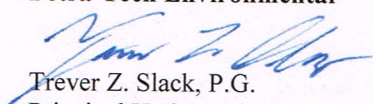
☐ Email - _____

OWNER: _____ DATE: _____

PHONE: _____ EMAIL: _____

Thank you in advance for your help. Please do not hesitate to contact us at 864.678.0904 if you have any questions.

Petra-Tech Environmental


Trever Z. Slack, P.G.
Principal Hydrogeologist



August 11, 2014

RAWLINSON LORY WADE
220 S WHITE PALM CT
FLORENCE, SC 29506

Subject: Water Supply Well Survey and Request to Sample
Properties located at 113 N MUSTANG ROAD in Florence, Florence County, SC
Tax Map ID / Parcel # 90150-01-026
PTE Job No. J14-070-A

To Whom It May Concern:

Petra-Tech Environmental, LLC is currently conducting work on behalf of the South Carolina Department of Health and Environmental Control (SCDHEC) to assess the extent of a historical gasoline release from Underground Storage Tank (UST) Permit #03538, Coastal 76 Truck Stop, located at 2513 East Palmetto Street, Florence, Florence County, South Carolina. As part of the assessment, Petra-Tech Environmental, LLC is conducting a water supply well survey of properties located within a 1,000-foot radius of the UST system.

Please complete information below to the best of your knowledge and return in the enclosed stamped envelope.

1) What is the source of drinking water for the subject property?

☒ Public Water ☐ Water Supply Well ☐ Stream ☐ Other - _____

2) Is there a water supply well on the subject property? ☐ Yes ☒ No

If "No", please disregard the remaining questions and return survey.

3) What is the well typically used for? ☐ Drinking ☐ Irrigation ☐ Livestock ☐ Not in Use

4) How many residences are connected to the well? ☐ Please list addresses: _____

5) Please provide well construction details (as much is known).

How deep is the well? _____ When was the well installed? _____

What is the casing depth/screened interval of the well? _____

6) As part of the assessment, Petra-Tech Environmental, LLC can sample your water supply well free-of-charge for the presence of petroleum compounds. Please indicate how you would like to receive the results:

☐ Mail - _____

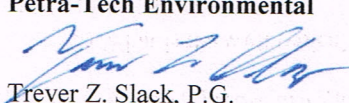
☐ Email - _____

OWNER: _____ DATE: _____

PHONE: _____ EMAIL: _____

Thank you in advance for your help. Please do not hesitate to contact us at 864.678.0904 if you have any questions.

Petra-Tech Environmental


Trevor Z. Slack, P.G.
Principal Hydrogeologist

August 11, 2014

PARROTT SHIRLEY
135 N MUSTANG DR
FLORENCE, SC 29506

Subject: Water Supply Well Survey and Request to Sample
Properties located at 135 N MUSTANG ROAD in Florence, Florence County, SC
Tax Map ID / Parcel # 90150-01-019
PTE Job No. J14-070-A

To Whom It May Concern:

Petra-Tech Environmental, LLC is currently conducting work on behalf of the South Carolina Department of Health and Environmental Control (SCDHEC) to assess the extent of a historical gasoline release from Underground Storage Tank (UST) Permit #03538, Coastal 76 Truck Stop, located at 2513 East Palmetto Street, Florence, Florence County, South Carolina. As part of the assessment, Petra-Tech Environmental, LLC is conducting a water supply well survey of properties located within a 1,000-foot radius of the UST system.

Please complete information below to the best of your knowledge and return in the enclosed stamped envelope.

1) What is the source of drinking water for the subject property?
☐ Public Water ☐ Water Supply Well ☐ Stream ☐ Other - _____

2) Is there a water supply well on the subject property? ☐ Yes ☒ No
If "No", please disregard the remaining questions and return survey.

3) What is the well typically used for? ☐ Drinking ☐ Irrigation ☐ Livestock ☐ Not in Use

4) How many residences are connected to the well? _____ Please list addresses: _____

5) Please provide well construction details (as much is known).

How deep is the well? _____ When was the well installed? _____
What is the casing depth/screened interval of the well? _____

6) As part of the assessment, Petra-Tech Environmental, LLC can sample your water supply well free-of-charge for the presence of petroleum compounds. Please indicate how you would like to receive the results:

☐ Mail - _____

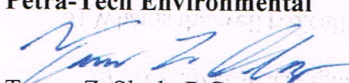
☐ Email - _____

OWNER: _____ DATE: _____

PHONE: _____ EMAIL: _____

Thank you in advance for your help. Please do not hesitate to contact us at 864.678.0904 if you have any questions.

Petra-Tech Environmental


Trever Z. Slack, P.G.
Principal Hydrogeologist

August 11, 2014

MARTIN VIRGINIA T
131 N MUSTANG RD
FLORENCE, SC 29506

Subject: Water Supply Well Survey and Request to Sample
Properties located at 131 N MUSTANG ROAD in Florence, Florence County, SC
Tax Map ID / Parcel # 90150-01-020
PTE Job No. J14-070-A

To Whom It May Concern:

Petra-Tech Environmental, LLC is currently conducting work on behalf of the South Carolina Department of Health and Environmental Control (SCDHEC) to assess the extent of a historical gasoline release from Underground Storage Tank (UST) Permit #03538, Coastal 76 Truck Stop, located at 2513 East Palmetto Street, Florence, Florence County, South Carolina. As part of the assessment, Petra-Tech Environmental, LLC is conducting a water supply well survey of properties located within a 1,000-foot radius of the UST system.

Please complete information below to the best of your knowledge and return in the enclosed stamped envelope.

1) What is the source of drinking water for the subject property?

☒ Public Water ☐ Water Supply Well ☐ Stream ☐ Other - _____

2) Is there a water supply well on the subject property? ☐ Yes ☒ No

If "No", please disregard the remaining questions and return survey.

3) What is the well typically used for? ☐ Drinking ☐ Irrigation ☐ Livestock ☐ Not in Use

4) How many residences are connected to the well? ☐ Please list addresses: _____

5) Please provide well construction details (as much is known).

How deep is the well? _____ When was the well installed? _____
What is the casing depth/screened interval of the well? _____

6) As part of the assessment, Petra-Tech Environmental, LLC can sample your water supply well free-of-charge for the presence of petroleum compounds. Please indicate how you would like to receive the results:

☐ Mail - _____

☐ Email - _____

OWNER: Virginia T. Martin DATE: 8/14/2014

PHONE: 843 615-0893 EMAIL: martin-virginia@bellsouth.net

Thank you in advance for your help. Please do not hesitate to contact us at 864.678.0904 if you have any questions.

Petra-Tech Environmental

Trever Z. Slack
Trever Z. Slack, P.G.
Principal Hydrogeologist

August 11, 2014

BREWER MARY L
121 N MUSTANG RD
FLORENCE, SC 29506

Subject: Water Supply Well Survey and Request to Sample
Properties located at 121 N MUSTANG ROAD in Florence, Florence County, SC
Tax Map ID / Parcel # 90150-01-023
PTE Job No. J14-070-A

To Whom It May Concern:

Petra-Tech Environmental, LLC is currently conducting work on behalf of the South Carolina Department of Health and Environmental Control (SCDHEC) to assess the extent of a historical gasoline release from Underground Storage Tank (UST) Permit #03538, Coastal 76 Truck Stop, located at 2513 East Palmetto Street, Florence, Florence County, South Carolina. As part of the assessment, Petra-Tech Environmental, LLC is conducting a water supply well survey of properties located within a 1,000-foot radius of the UST system.

Please complete information below to the best of your knowledge and return in the enclosed stamped envelope.

1) What is the source of drinking water for the subject property?

☒ Public Water ☐ Water Supply Well ☐ Stream ☐ Other - _____

2) Is there a water supply well on the subject property? ☐ Yes ☒ No

If "No", please disregard the remaining questions and return survey.

3) What is the well typically used for? ☐ Drinking ☐ Irrigation ☐ Livestock ☐ Not in Use

4) How many residences are connected to the well? ☐ Please list addresses: _____

5) Please provide well construction details (as much is known).

How deep is the well? _____ When was the well installed? _____

What is the casing depth/screened interval of the well? _____

6) As part of the assessment, Petra-Tech Environmental, LLC can sample your water supply well free-of-charge for the presence of petroleum compounds. Please indicate how you would like to receive the results:

☐ Mail - _____

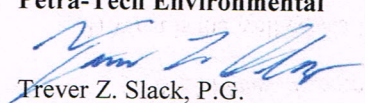
☐ Email - _____

OWNER: MARY L BREWER DATE: 8.15.14

PHONE: 843 665 7295 EMAIL: _____

Thank you in advance for your help. Please do not hesitate to contact us at 864.678.0904 if you have any questions.

Petra-Tech Environmental


Trever Z. Slack, P.G.

Principal Hydrogeologist

**COASTAL 76 TRUCK STOP – UST PERMIT #03538
TIER II ASSESSMENT REPORT**

APPENDIX K

QAPP CHECKLIST

Contractor Checklist

For each report submitted to the UST Management Division, the contractor will be required to verify that all data elements for the required scope of work have been provided. For items not required for the scope of work, the N/A box should be checked. For items required and not completed or provided, the No box should be checked and a thorough description of the reason must be provided.

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

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

[illegible]

My dear Katherine Buch

Kaye Burch

12/16/14

**COASTAL 76 TRUCK STOP – UST PERMIT #03538
TIER II ASSESSMENT REPORT**

APPENDIX L

QAPP CONTRACTOR ADDENDUM

petra-tech
ENVIRONMENTAL, LLC
ENGINEERS & CONSULTANTS

July 25, 2014

SCDHEC - UST Management Division
Assessment Section
2600 Bull Street
Columbia, SC 29201-1708

Attention: Ms. Stephanie Briney

Subject: **Site Specific Work Plan – Tier II Assessment**
Revision Number: 0
Coastal 76 Truck Stop
2513 East Palmetto Street
Florence, Florence County, SC
SCDHEC UST Permit #03538
PTE Job No. J14-070-A

Dear Ms. Briney:

Petra-Tech Environmental, LLC submits herein a Site Specific Work Plan for the subject site. This submittal is in response to the South Carolina Department of Health and Environmental Control's (SCDHEC) Site Specific Work Plan Directive dated June 25, 2014.

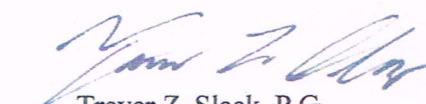
On July 24, 2014, Petra-Tech Environmental personnel performed a site visit to the subject site to locate existing groundwater monitoring wells and conduct a preliminary site reconnaissance. Depth to groundwater at the site is approximately 9 feet below ground surface (i.e. depth to water in monitoring well 03538-MW01 was 8.43 feet below top of casing on July 24, 2014). Free-Phase petroleum product was not detected in monitoring wells 03538-MW01 or 03538-MW03. It should be noted that groundwater monitoring wells 03538-MW07, 03538-MW10, 03538-TW01, and 03538-TW02 could not be located during the site reconnaissance. However, a significant volume of construction and demolition debris have been scattered across the site making it difficult to locate wells. If these wells cannot be located through additional exploration during the groundwater screening phase of the assessment, they should be replaced during monitoring well installation activities.

The Site Specific Work Plan is contained herein.

Please do not hesitate to contact us at 864.631.2490 if you have any questions concerning this submittal.

Sincerely,

Petra-Tech Environmental


Trevor Z. Slack, P.G.
Principal Hydrogeologist





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

To: Ms. Maia Milenkova (SCDHEC Project Manager)
From: Trever Slack (Contractor Project Manager)
Contractor: Petra-Tech Environmental, LLC UST Contractor Certification Number: UCC-436

Facility Name: Coastal 76 Truck Stop UST Permit #: 03538
Facility Address: 2513 East Palmetto Street
Responsible Party: Mceachin, Dan Phone: 803.651.8835
RP Address: 1007 Wentworth Drive, Florence, South Carolina 29501
Property Owner (if different): Same as above
Property Owner Address: Same as above
Current Use of Property: Vacant Commercial Property being used for storage

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 2 Field Blank
32 Monitoring Wells _____ Surface Water 2 Duplicate 3 Trip Blank

Field Screening Methodology

Estimate number and total completed depth for each point, and include their proposed locations on the attached map.

of shallow points proposed: 13 Estimated Footage: 12 (estimated) feet per point
of deep points proposed: 4 Estimated Footage: 37 (estimated) feet per point

Field Screening Methodology: Direct Push with PID field screening and laboratory confirmation of select samples IAW SOP

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: 16 feet per point
of deep wells: 3 Estimated Footage: 41 feet per point
of recovery wells: _____ Estimated Footage: _____ feet per point

Monitoring Well development method (consistent with SOP): Surging and pumping IAW SOP

Comments, if warranted:

Deep wells installed outside of the source area will be installed as Type II monitoring wells if it is determined by the on-site geologist that no confining layers are present.

UST Permit #: 03538 Facility Name: Coastal 76 Truck Stop

Implementation Schedule (Number of calendar days from approval)

Field Work Start-Up: 8/27/14 Field Work Completion: 10/27/14

Report Submittal: 11/27/14 # of Copies Provided to Property Owners: 3

Aquifer Characterization

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

Slug test will be completed in two shallow and one deep monitoring well. Slug tests are recommended over pump tests due to the elimination of requirements for petroleum impacted water disposal. Additionally, slug tests minimize the cone of depression associated with pump test drawdown, reducing the transport of petroleum compounds from shallow to deeper aquifer zones.

Investigation Derived Waste Disposal

Soil: 5 Tons Purge Water: 200 Gallons
Drilling Fluids: 25 Gallons Free-Phase Product: 0 Gallons

Additional Details For This Scope of Work

For example, list wells to be sampled, wells to be abandoned/repared, well pads/bolts/caps to replace, details of AFVR event, etc.

Eighteen existing groundwater monitoring wells and 13 newly installed groundwater monitoring wells will be sampled. Receptors identified within 1,000-feet of the site or within 500-feet of the groundwater contaminant plume will also be sampled during the Tier II Assessment.

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: _____

Yes Well Driller as indicated in ACQAO? (Yes/No) If no, indicate driller information below.

Name of Well Driller: _____

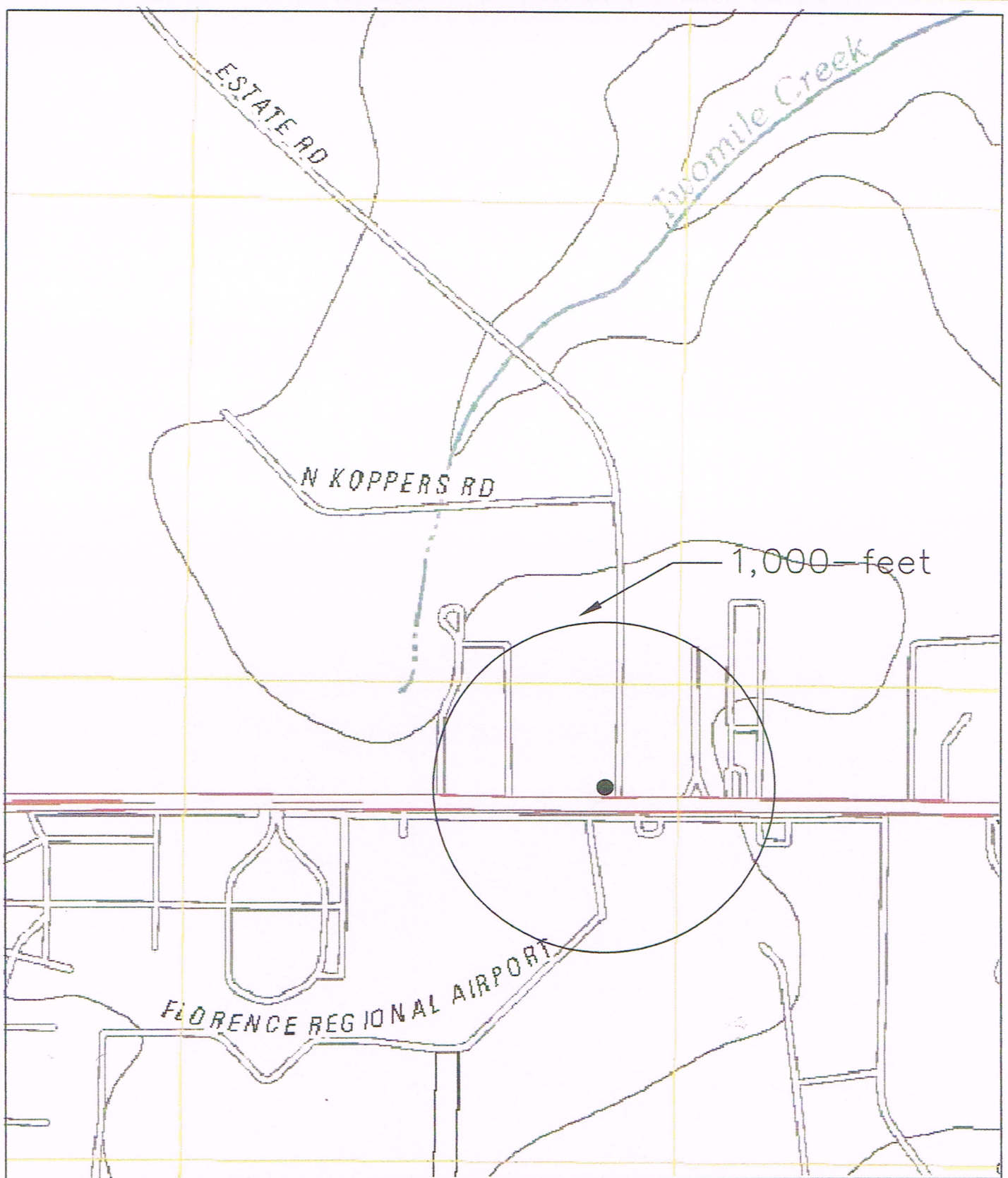
SCLLR Certification Number: _____

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:

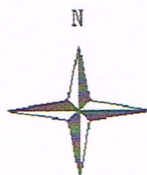
North Arrow	Proposed monitoring well locations
Location of property lines	Legend with facility name and address, UST permit number, and bar scale
Location of buildings	Streets or highways (indicate names and numbers)
Previous soil sampling locations	Location of all present and former ASTs and USTs
Previous monitoring well locations	Location of all potential receptors
Proposed soil boring locations	
3. Assessment Component Cost Agreement, SCDHEC Form D-3664



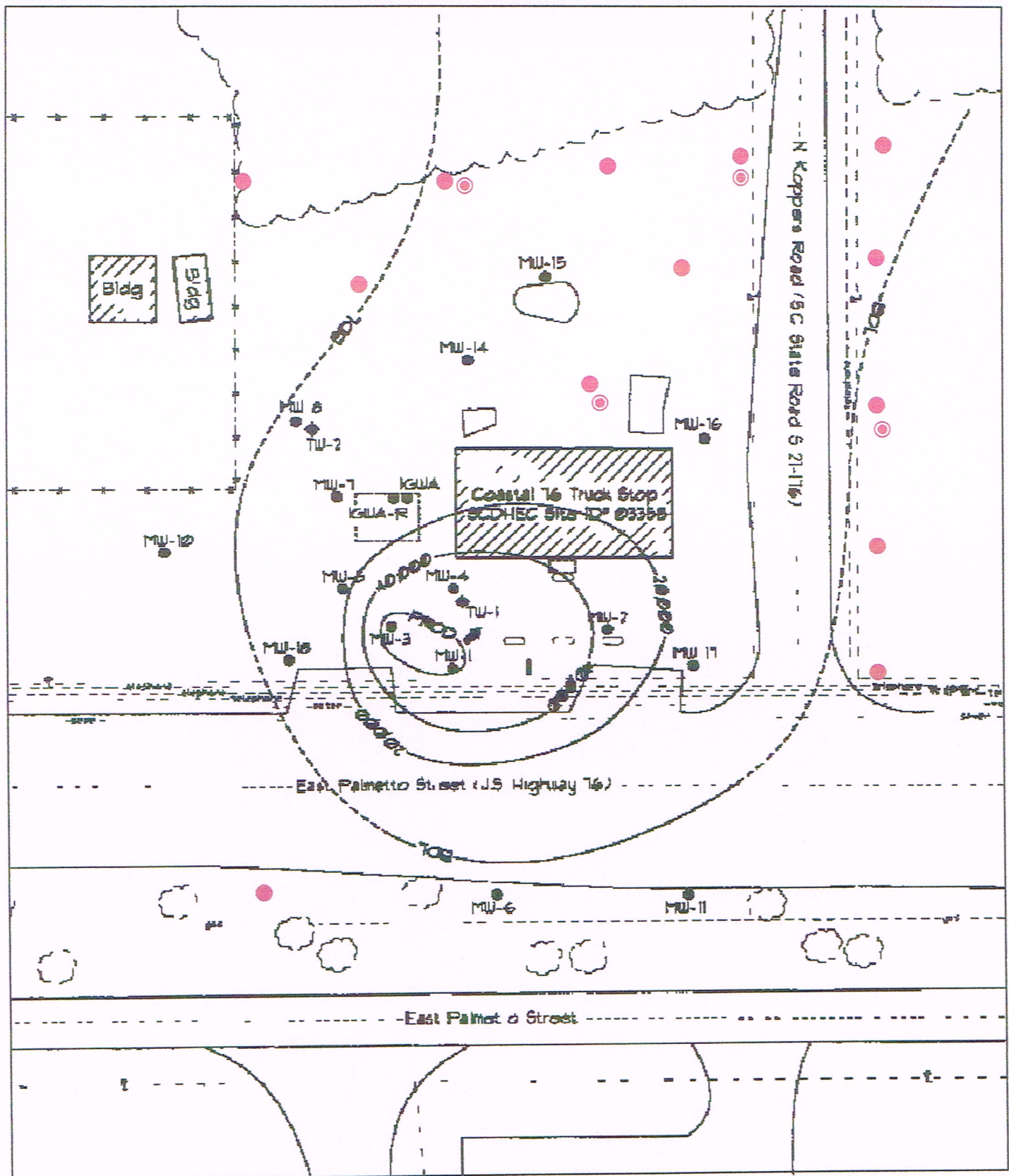
REFERENCE: Florence East Quadrangle - 7.5 Minute Series, United States Geological Survey, 2011 (Contour Interval - 10 feet)

1000 500 0 1000
APPROXIMATE SCALE IN FEET

● Approximate Site Location



Title	Topographic Site Location Map		
Project	Coastal 76 Truck Stop (UST Permit #03538) 2513 East Palmetto Street Florence, South Carolina Florence County		
Date	7/24/2014	 ENVIRONMENTAL, LLC ENGINEERS & CONSULTANTS	Figure No. 1
Job No.	J14-070-A		



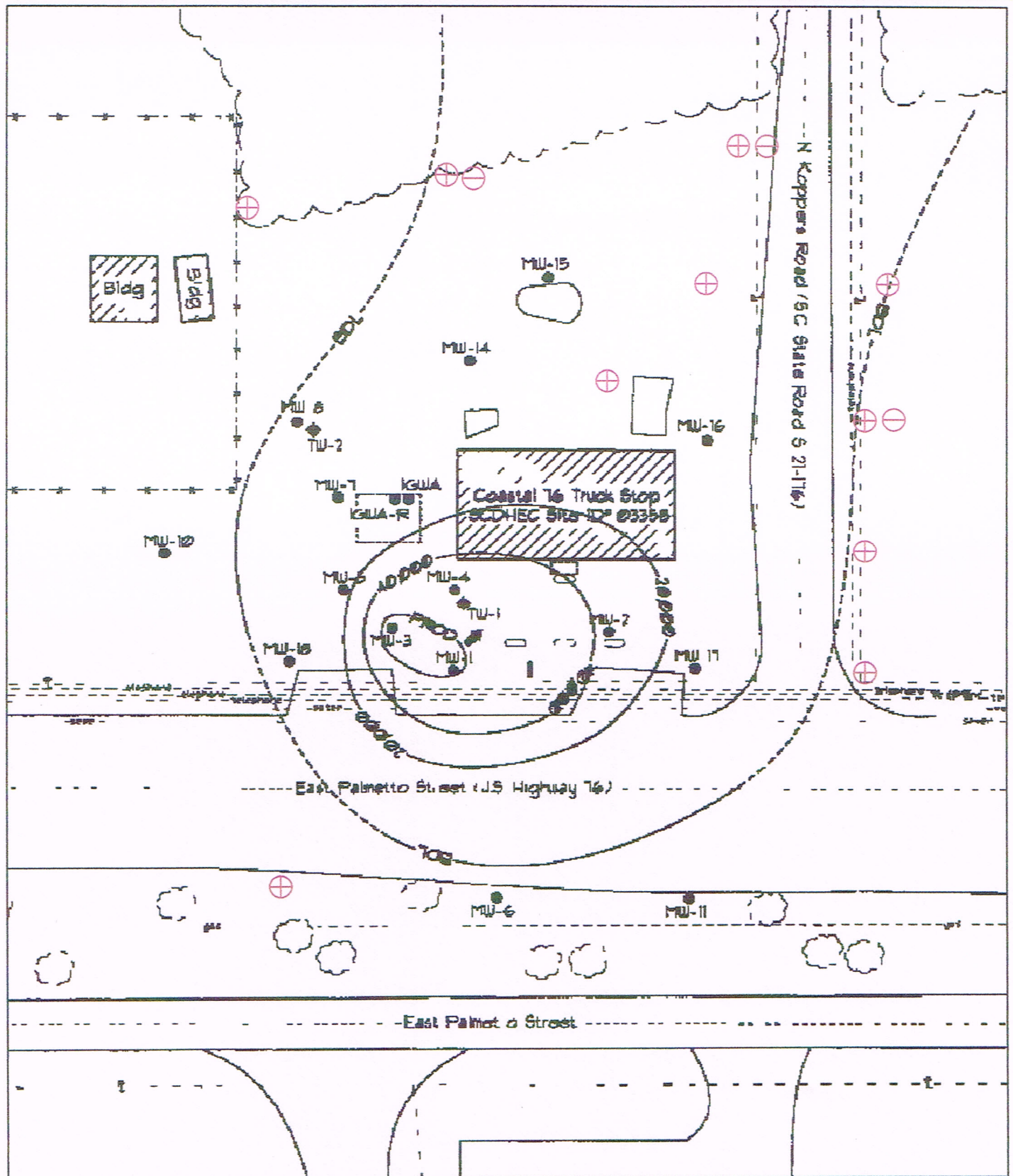
REFERENCE: figure 4 Groundwater CoC Map by Midlands Environmental Consultants, Inc. dated July 2012

50 25 0 50
APPROXIMATE SCALE IN FEET

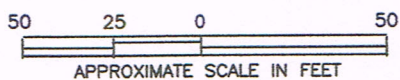


- Existing Groundwater Monitoring Well
- Proposed Shallow Groundwater Screening Boring (13' @ 12 feet)
- Proposed Deep Groundwater Screening Boring (4' @ 37 feet)

Title	Proposed Groundwater Screening Boring Location Plan		
Project	Coastal 76 Truck Stop (UST Permit #03538) 2513 East Palmetto Street Florence, South Carolina Florence County		
Date	7/24/2014		Figure No. 2
Job No.	J14-070-A		



REFERENCE: Figure 4 Groundwater CoC Map by Midlands Environmental Consultants, Inc. dated July 2012



- ⊕ Existing Groundwater Monitoring Well
- ⊕ Proposed Shallow Groundwater Monitoring Well (10' to 16 feet)
- ⊕ Proposed Deep Groundwater Monitoring Well (3' to 41 feet)

Title	Proposed Groundwater Monitoring Well Location Plan		
Project	Coastal 76 Truck Stop (UST Permit #03538) 2513 East Palmetto Street Florence, South Carolina Florence County		
Date	7/24/2014	 petra-tech ENVIRONMENTAL, LLC ENGINEERS & CONSULTANTS	Figure No. 3
Job No.	J14-070-A		



ASSESSMENT COMPONENT COST AGREEMENT
SOUTH CAROLINA
 Department of Health and Environmental Control
 Underground Storage Tank Management Division
 State Underground Petroleum Environmental Response Bank Account
 PO#4600271461

Facility Name Coastal Mart 76 Truck Stop

UST Permit #: 03538

Cost Agreement #:

ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
1. Plan Preparation				
A1. Site-specific Work Plan	1	each	\$470.00	\$470.00
B1. Tax Map	1	each	\$600.00	\$600.00
C1. Tier II or Comp. Plan /QAPP Appendix B		each	\$780.00	\$0.00
2. A1. Receptor Survey *	1	each	\$755.00	\$755.00
3. Survey (500 x 500 feet)				
A1. Comprehensive Survey	1	each	\$1,405.00	\$1,405.00
B. Subsurface Geophysical Survey				
1B. < 10 meters below grade		each	\$200.00	\$0.00
2B. > 10 meters below grade		each	\$250.00	\$0.00
C1. Geophysical UST or Drum Survey		each	\$200.00	\$0.00
4. Mob/Demob (Each)				
A1. Equipment	2	each	\$985.00	\$1,970.00
B1. Personnel	5	each	\$955.00	\$4,775.00
C1. Adverse Terrain Vehicle to install wells		each	\$209.00	\$0.00
5. A1. Soil Borings (hand auger)*		feet	\$1.00	\$0.00
6. Soil Borings (requiring equipment, push technology, etc)* or Field Screening (including water sample, soil sample, soil gas sample, etc.)*				
A1. Standard	320	per foot	\$3.50	\$1,120.00
C1. Fractured Rock		per foot	\$2.00	\$0.00
7. A1. Soil Leachability Model (Each)		each	\$1.00	\$0.00
8. Abandonment (per foot)*				
A1. 2" diameter or less		per foot	\$0.50	\$0.00
B1. Greater than 2" to 6" diameter		per foot	\$1.00	\$0.00
C1. Dug/Bored well (up to 6 foot diameter)		per foot	\$2.50	\$0.00
9. Well Installation (per foot)*				
A1. Water Table (hand augered)		per foot	\$1.00	\$0.00
B1. Water Table (drill rig)	283	per foot	\$16.25	\$4,598.75
C1. Telescoping/ Pit Cased		per foot	\$17.50	\$0.00
D1. Rock Drilling		per foot	\$13.00	\$0.00
E1. 2" or 4" Rock Coring		per foot	\$1.00	\$0.00
G1. Rock Multi-sampling ports/screens		per foot	\$5.00	\$0.00
H1. Recovery Well (4 inch diameter)		each	\$11.00	\$0.00
II. Pushed Pre-packed screen (1.25 diameter)		each	\$5.00	\$0.00
J1. Rotasonic (2 inch diameter)		each	\$2.00	\$0.00
K. Re-develop Existing Well		each	\$0.50	\$0.00
10. Groundwater Sample Collection / Gauge Depth to Water or Product *				
A1. Groundwater Purge	32	per well	\$165.00	\$5,280.00
B1. Air or Vapors		per receptor	\$1.00	\$0.00
C1. Water Supply		per well/receptor	\$115.00	\$0.00
D1. Groundwater No Purge or Duplicate	2	samples	\$50.00	\$100.00
E1. Gauge Well only		per well	\$5.00	\$0.00
F1. Sample Below Product		well	\$5.00	\$0.00
G1. Passive Diffusion Bag		each	\$1.00	\$0.00
H1. Field Blank	2	each	\$52.00	\$104.00
11. Laboratory Analyses-Groundwater				
A2. BTEX+Naphth.+ Oxyg's+ 1,2 DCA + Ethanol	39	sample	\$117.00	\$4,563.00
AA1. Lead, Filtered		sample	\$12.00	\$0.00
B2. Rush EPA Method 8260B (All of item A.)		sample	\$142.00	\$0.00
C2. Trimethal, Butyl, and Isopropyl Benzenes		sample	\$14.00	\$0.00
D1. PAH's		sample	\$30.00	\$0.00
E1. Lead, Unfiltered	36	sample	\$25.00	\$900.00



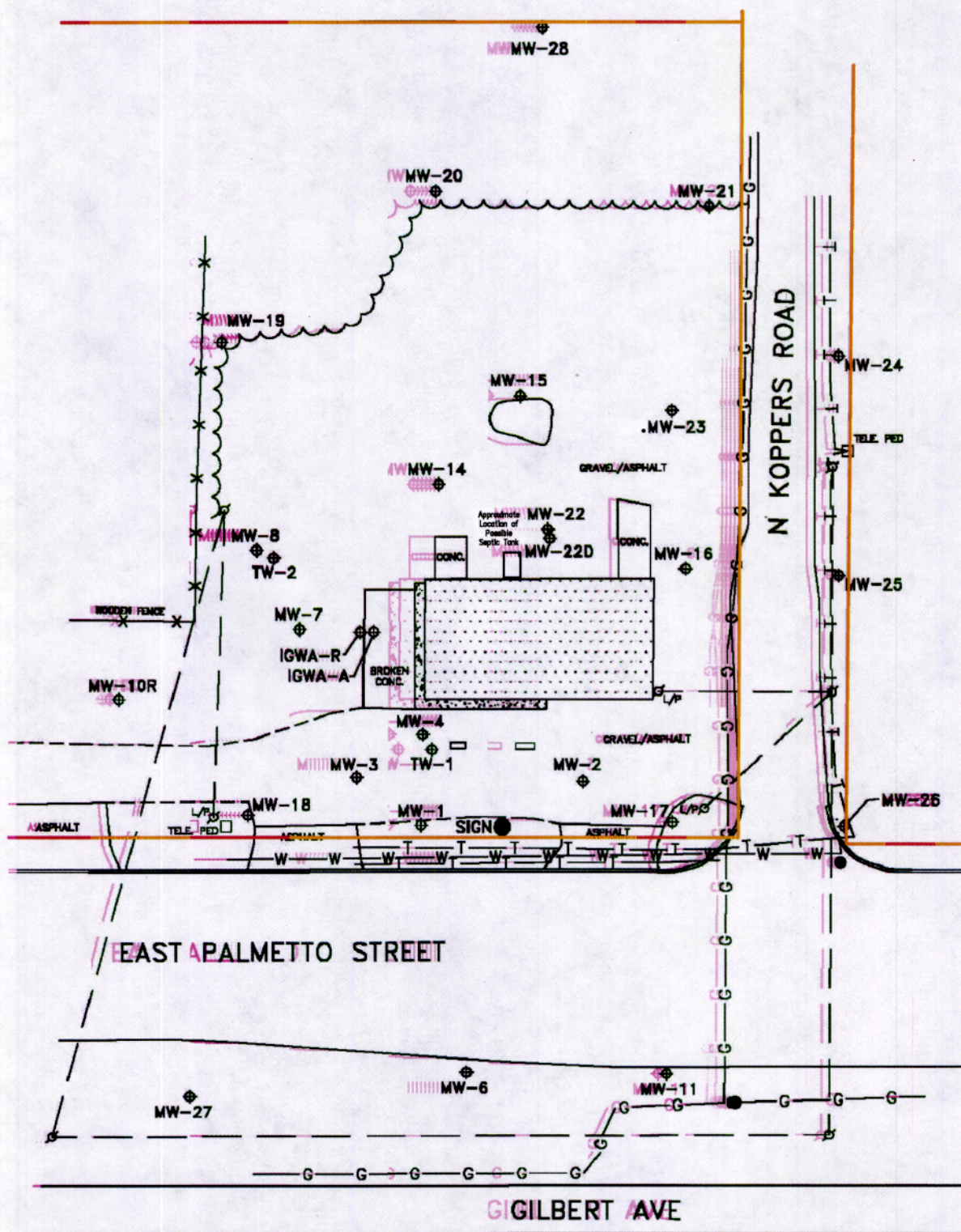
**ASSESSMENT COMPONENT COST AGREEMENT
SOUTH CAROLINA**

Department of Health and Environmental Control
Underground Storage Tank Management Division

State Underground Petroleum Environmental Response Bank Account

F1. EDB by EPA 8011	36	sample	\$75.00	\$2,700.00
FF1. EDB by EPA Method 8011 Rush		sample	\$100.00	\$0.00
G1. 8 RCRA Metals		sample	\$25.00	\$0.00
H1. TPH (9070)		sample	\$15.00	\$0.00
II. pH		sample	\$5.00	\$0.00
J1. BOD		sample	\$9.00	\$0.00
PP. Ethanol		sample	\$0.10	\$0.00
11. Analyses-Soil				\$0.00
Q1. BTEX + Naphth.		sample	\$80.00	\$0.00
R1. PAH's		sample	\$45.00	\$0.00
S1. 8 RCRA Metals		sample	\$20.00	\$0.00
U1. TPH-DRO (3550B/8015B)		sample	\$15.00	\$0.00
V1. TPH- GRO (5030B/8015B)		sample	\$15.00	\$0.00
W1. Grain size/hydrometer	2	sample	\$55.00	\$110.00
X1. Total Organic Carbon		sample	\$14.00	\$0.00
11. Analyses-Air				
Y1. BTEX + Naphthalene		sample	\$50.00	\$0.00
11. Analyses-Free Phase Product				
Z1. Hydrocarbon Fuel Identification		sample	\$100.00	\$0.00
12. Aquifer Characterization*				
A1. Pumping Test		per hour	\$20.00	\$0.00
B1. Slug Test*	3	per test	\$255.00	\$765.00
C1. Fractured Rock		per test	\$35.00	\$0.00
13. A1. Free Product Recovery Rate Test*		each	\$35.00	\$0.00
14. Fate/Transport Modeling				
A1. Mathematical Model		each	\$5.00	\$0.00
B1. Computer Model		each	\$5.00	\$0.00
15. Risk Evaluation				
B1. Tier II Risk Evaluation		each	\$25.00	\$0.00
16. A1. Subsequent Survey*		each	\$95.00	\$0.00
17. Disposal (gallons or tons)*				
AA. Wastewater	200	gallon	\$0.25	\$50.00
BB. Free Product		gallon	\$0.10	\$0.00
C1. Soil Treatment/Disposal	5	ton	\$35.00	\$175.00
D1. Drilling fluids	25	gallon	\$0.10	\$2.50
18. Miscellaneous (attach receipts)				
Flourescence for Product		each	\$3.00	\$0.00
Video Camera down a well or borehole		each	\$1.00	\$0.00
		each	\$0.00	\$0.00
25. Well Repair*				
A1. Additional Copies of the Report Delivered	3	each	\$49.00	\$147.00
B1. Repair 2x2 MW pad		each	\$5.00	\$0.00
C1. Repair 4x4 MW pad		each	\$5.00	\$0.00
D1. Repair well vault		each	\$5.00	\$0.00
F1. Replace well cover bolts		each	\$1.00	\$0.00
H1. Replace/Repair stick-up		each	\$5.00	\$0.00
II. Convert Flush-mount to Stick-up		each	\$5.00	\$0.00
J1. Convert Stick-up to Flush-mount		each	\$5.00	\$0.00
K1. Replace missing/illegible well ID plate		each	\$1.00	\$0.00
TOTAL				\$30,120.25

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



REFERENCE: Site Survey by Souther Land Surveying dated 5 December 2014

- Groundwater Monitoring Well
- Gas Line (Underground Utility)
- Water Line (Underground Utility)
- Communications Line (Underground Utility)
- Property Boundary

40 20 0 40
APPROXIMATE SCALE IN FEET



Title	Site Base Map		
Project	Coastal 76 Truck stop (UST Permit #03536) 2513 East Palmetto Street Florence, South Carolina Florence County		
Date	12/12/2014	petra-tech PETRA-TECH ENGINEERS & CONSULTANTS	Figure No. 3
REV.	01/29/2015		
Job No.	J14-070-A		

TABLE 2 - Revised 1-29-15
Monitoring Well and Groundwater Surface Elevation Data
Coastal 76 Truck Stop - UST Permit #03538
Florence, Florence County, South Carolina

Monitoring Well	Ground Surface Elevation	Top-of-Casing Elevation	Date	Free-Phase Petroleum Product	Groundwater Depth Below Top-of-Casing	Groundwater Elevation	Well Depth BGS	Screened Interval Depth	Screened Interval Elevation
IGWA	145.56	145.19	09/29/1999	0.21	NA	NA	NA	NA - NA	NA - NA
			02/20/2012	--	DRY				
			06/26/2012	--	NA	NA			
			12/03/2014	--	11.98	133.21			
			12/13/2014	--	12.15	133.04			
IGWA-R*	145.93	145.14	06/26/2012	--	14.10	131.04	21.00	11.00 - 21.00	134.93 - 124.93
			12/03/2014	--	11.93	133.21			
			12/13/2014	--	12.10	133.04			
			09/29/1999	--	13.31	132.56			
			02/20/2012	--	DRY				
03538-MW01	146.22	145.87	06/26/2012	0.02	14.71*	131.16	17.80	NA - NA	NA - NA
			12/02/2014	--	12.54	133.33			
			12/13/2014	--	12.75	133.12			
			09/29/1999	--	13.63				
			02/20/2012	--	DRY				
03538-MW02	145.71	145.19	06/26/2012	--	14.04	131.15	18.30	NA - NA	NA - NA
			12/02/2014	--	12.34	132.85			
			12/13/2014	--	12.36	132.83			
			09/29/1999	--	13.13	132.38			
			02/20/2012	--	NA	NA			
03538-MW03	146.04	145.51	06/26/2012	0.01	14.19*	131.85	18.20	NA - NA	NA - NA
			12/02/2014	--	12.67	132.84			
			12/13/2014	--	12.39	133.12			
			09/29/1999	--	12.91	132.65			
			02/20/2012	--	0.20	NA			
03538-MW04	146.05	145.56	06/26/2012	--	14.35	131.21	18.35	NA - NA	NA - NA
			12/03/2014	--	12.26	133.30			
			12/13/2014	--	12.43	133.13			
			09/29/1999	--	12.54	NA			
			02/20/2012	--	17.05	NA			
03538-MW05	NA	NA	06/26/2012	--	13.90	NA	18.29	8.29 - 18.29	NA - NA
			12/03/2014	--	NOT LOCATED				
			12/13/2014	--	NOT LOCATED				
			09/29/1999	--	13.04	133.00			
			02/20/2012	--	DRY				
03538-MW06	146.44	146.04	06/26/2012	--	14.65	131.39	18.29	8.29 - 18.29	138.15 - 128.15
			12/03/2014	--	12.67	133.37			
			12/13/2014	--	12.91	133.13			
			09/29/1999	--	NA	NA			
			02/20/2012	--	16.54	128.07			
03538-MW07	145.02	144.61	06/26/2012	--	13.45	131.16	18.38	8.38 - 18.38	136.64 - 126.64
			12/03/2014	--	11.20	133.41			
			12/13/2014	--	11.47	133.14			
			09/29/1999	--	11.54	132.24			
			02/20/2012	--	15.59	128.19			
03538-MW08	144.30	143.78	06/26/2012	--	12.62	131.16	18.29	8.29 - 18.29	136.01 - 126.01
			12/03/2014	--	10.43	133.35			
			12/13/2014	--	10.61	133.17			
			09/29/1999	--	12.08	NA			
			02/20/2012	--	NOT LOCATED				
03538-MW09	NA	NA	06/26/2012	--	NOT LOCATED		18.33	8.33 - 18.33	NA - NA
			12/03/2014	--	NOT LOCATED				
			12/13/2014	--	NOT LOCATED				
			09/29/1999	--	NA	NA			
			02/20/2012	--	15.65	NA			
03538-MW10	NA	NA	06/26/2012	--	12.41	NA	18.25	NA - NA	NA - NA
			12/03/2014	--	NOT LOCATED				
			12/13/2014	--	NOT LOCATED				
			12/03/2014	--	10.50	133.31			
			12/13/2014	--	10.62	133.19			
03538-MW10R	144.23	143.81	09/29/1999	--	12.75	132.93	11.81	1.61 - 11.61	142.62 - 132.62
			02/20/2012	--	17.85	127.83			
			06/26/2012	--	14.39	131.29			
			12/03/2014	--	12.64	133.04			
			12/13/2014	--	12.70	132.98			
03538-MW11	146.20	145.68	09/29/1999	--	11.87	132.49	18.42	8.42 - 18.42	137.78 - 127.78
			02/20/2012	--	16.35	128.01			
			06/26/2012	--	NA	NA			
			12/03/2014	--	NOT LOCATED				
			12/13/2014	--	11.39	132.97			
03538-MW14	144.66	144.36	06/26/2012	--	12.78	130.76	18.29	8.29 - 18.29	136.37 - 126.37
			12/03/2014	--	10.46	133.08			
			12/13/2014	--	10.62	132.92			
			06/26/2012	--	13.43	130.90			
			12/03/2014	--	11.18	133.15			
03538-MW15	144.04	143.54	12/13/2014	--	11.42	132.91	20.00	10.00 - 20.00	134.04 - 124.04
			06/26/2012	--	13.96	131.12			
			12/03/2014	--	11.92	133.16			
			12/13/2014	--	12.10	132.98			
			06/26/2012	--	14.44	131.35			
03538-MW16	144.56	144.33	12/03/2014	--	12.42	133.37	21.00	11.00 - 21.00	133.56 - 123.56
			06/26/2012	--	12.60	133.19			
			12/03/2014	--	13.96	131.12			
			12/13/2014	--	11.92	133.16			
			06/26/2012	--	12.10	132.98			
03538-MW17	145.47	145.08	12/03/2014	--	12.42	133.37	21.00	11.00 - 21.00	135.20 - 125.20
			06/26/2012	--	12.60	133.19			
			12/03/2014	--	13.96	131.12			
			12/13/2014	--	11.92	133.16			
			06/26/2012	--	12.10	132.98			
03538-MW18	146.20	145.79	12/03/2014	--	12.42	133.37	21.00	11.00 - 21.00	135.20 - 125.20
			06/26/2012	--	12.60	133.19			
			12/03/2014	--	13.96	131.12			
			12/13/2014	--	11.92	133.16			
			06/26/2012	--	12.10	132.98			

03538-MW19	143 97	143 67	12/03/2014	--	9 79	133 88	12 32	2 12 - 12 12	141 85 - 131 85
			12/13/2014	--	10 66	133 01			
03538-MW20	144 21	143 93	12/03/2014	--	10 97	132 96	14 70	4 50 - 14 50	139 71 - 129 71
			12/13/2014	--	11 17	132 76			
03538-MW21	143 88	143 25	12/03/2014	--	10 38	132 87	12 95	2 75 - 12 75	141 13 - 131 13
			12/13/2014	--	10 60	132 65			
03538-MW22	145 28	145 03	12/03/2014	--	9 92	135 11	15 29	5 09 - 15 09	140 19 - 130 19
			12/13/2014	--	12 16	132 87			
03538-MW22D	145 30	144 89	12/03/2014	--	13 83	131 06	44 43	39 23 - 44 23	106 07 - 101 07
			12/13/2014	--	13 82	131 07			
03538-MW23	143 87	143 63	12/03/2014	--	11 90	131 73	15 77	5 57 - 15 57	138 30 - 128 30
			12/13/2014	--	10 77	132 86			
03538-MW24	143 99	143 78	12/03/2014	--	10 81	132 97	13 19	2 99 - 12 99	141 00 - 131 00
			12/13/2014	--	11 03	132 75			
03538-MW25	144 45	144 04	12/03/2014	--	10 66	133 38	13 36	3 16 - 13 16	141 29 - 131 29
			12/13/2014	--	11 08	132 96			
03538-MW26	145 22	144 96	12/03/2014	--	11 84	133 12	15 06	4 86 - 14 86	140 36 - 130 36
			12/13/2014	--	12 09	132 87			
03538-MW27	145 10	144 77	12/03/2014	--	11 37	133 40	15 25	5 05 - 15 05	140 05 - 130 05
			12/13/2014	--	11 50	133 27			
03538-MW28	142 88	142 71	12/03/2014	--	9 97	132 74	13 17	2 97 - 12 97	139 91 - 129 91
			12/13/2014	--	10 10	132 61			
03538-TW01	145 93	145 77	09/29/1999	--	12 79	132 98	36 00	31 00 - 36 00	114 93 - 109 93
			03/01/2012	--	17 75	128 02			
			06/26/2012	--	14 65	131 12			
			12/03/2014	--	NOT LOCATED				
			12/13/2014	--	12 69	133 08			
03538-TW02	144 24	143 98	06/26/2012	--	13 95	130 03	36 00	31 00 - 36 00	113 24 - 108 24
			12/03/2014	--	10 79	133 19			
			12/13/2014	--	11 93	132 05			

NOTES:

Measurements are in feet

BGS - below ground surface

Elevations are NAVD 88

* - Groundwater elevation corrected for the presence of 0.02 feet (03538-MW01) and 0.01 feet (03538-MW03) of free-phase petroleum product using a specific gravity factor of 0.70 g/cc

TABLE 3
Summary of Groundwater Analytical Results - Revised 1-29-15
Coastal 76 Truck Stop - UST Permit #03538
Florence, Florence County, South Carolina

		Free-Product Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	EDB (µg/L)	1,2 DCA (µg/L)	ETBE (µg/L)	ETBA (µg/L)	TAME (µg/L)	DIPE (µg/L)	Ethanol (µg/L)	TBF (µg/L)	TBA (µg/L)	TAA (µg/L)	Lead (µg/L)
		—	RBSL 5	RBSL 1,000	RBSL 700	RBSL 10,000	RBSL 40	RBSL 25	RBSL 0.05	RBSL 5	RBSL 47	RBSL NE	RBSL 128	RBSL 150	RBSL 10,000	RBSL NE	RBSL 1,400	RBSL 240	RBSL 15
IGWA	09/29/1999	0.21	NOT SAMPLED - FREE-PHASE PETROLEUM PRODUCT PRESENT																
	02/20/2012		NOT SAMPLED - DRY																
	06/26/2012		NOT SAMPLED																
	12/03/2014	--	1300	6000	630	11000	<40	310	2.0	<15	<20	<100	<20	<40	<3300	<100	<670	790 J	65
IGWA"R"	06/26/2012	--	130	790	180	980	<25	160	0.71	<25	NT	NT	NT	NT	NT	NT	NT	NT	9.0 J
	12/03/2014	--	2000	9400	1800	7000	<40	530	3.2	<15	<20	<100	<20	<40	<3300	<100	<670	730 J	51
03538-MW01	07/29/1999	--	19900	26000	2040	12080	7400	592	111	NT	NT	NT	NT	NT	NT	NT	NT	NT	609
	02/20/2012		NOT SAMPLED - DRY																
	06/26/2012	0.02	NOT SAMPLED - FREE-PHASE PETROLEUM PRODUCT PRESENT																
	12/02/2014	--	17000	27000	1500	15000	250 J	820	210	<74	<100	<500	<100	<200	<17000	<500	<3400	8200 J	630
03538-MW02	07/29/1999	--	18500	28300	3560	15270	10500	670	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	483
	02/20/2012		NOT SAMPLED - DRY																
	06/26/2012	--	9800	17000	1300	11000	1100	370	65	240 J	NT	NT	NT	NT	NT	NT	NT	NT	390
	12/02/2014	--	4800	8200	940	4500	250	260	28	<15	<20	<100	<20	<40	<3300	<100	<670	4200	150
03538-MW03	07/29/1999	--	6800	16900	2380	14020	31.5	570	81.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	116
	02/20/2012	0.40	NOT SAMPLED - FREE-PHASE PETROLEUM PRODUCT PRESENT																
	06/26/2012	0.01	NOT SAMPLED - FREE-PHASE PETROLEUM PRODUCT PRESENT																
	12/02/2014	--	2000	10000	1600	11000	<40	700	3.5	<15	<20	<100	<20	<40	<3300	<100	<670	2200	100
03538-MW04	12/02/2014 DUP	--	2000	11000	1700	10000	<40	750	3.2	<15	<20	<100	<20	<40	<3300	<100	<670	1900 J	100
	07/29/1999	--	19300	34300	4630	21500	4530	800	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	113
	02/20/2012	0.02	NOT SAMPLED - FREE-PHASE PETROLEUM PRODUCT PRESENT																
	06/26/2012	--	8500	22000	2100	17000	<500	1100	14	<500	NT	NT	NT	NT	NT	NT	NT	NT	440
03538-MW05	12/03/2014	--	3600	9100	810	10000	<80	710	2.2	<29	<40	<200	<40	<80	<6600	<200	<1300	2800 J	110
	12/03/2014 DUP	--	4000	9600	820	9500	<40	640	2.0	<15	<20	<100	<20	<40	<3300	<100	<670	2800	130
	07/29/1999	--	1590	7410	1830	10320	13.1	560	11.9	NT	NT	NT	NT	NT	NT	NT	NT	NT	43
	02/20/2012	--	640	5100	990	5800	<5.0	210	0.43	12	<0.20	<1.0	<0.20	<0.40	<33	<1.0	8.9 J	180	670
03538-MW06	06/26/2012	--	870	7400	1500	10000	<200	770	0.86	<200	NT	NT	NT	NT	NT	NT	NT	NT	31
	12/02/2014		NOT LOCATED - UNDERNEATH ROLLOFF CONTAINER																
	07/29/1999	--	ND	5	5.72	25.93	ND	7.8	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	23
	02/20/2012		NOT SAMPLED - DRY																
03538-MW07	06/26/2012	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	<5.0	NT	NT	NT	NT	NT	NT	NT	NT	9.7 J
	12/03/2014	--	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.020	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	2.3 J
	07/29/1999	--	ND	5440	1750	7350	979	530	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	48
	02/20/2012	--	180	870	740	2500	<5.0	210	<0.020	4.1 J	<0.020	2.5 J	<0.020	<0.40	<33	<1.0	8.9 J	140	280
03538-MW08	06/26/2012	--	590	5000	1700	7500	<200	600	0.063	<200	NT	NT	NT	NT	NT	NT	NT	NT	25
	12/03/2014	--	210	740	1300	3700	<20	270	<0.020	<7.4	<10	<50	<10	<20	<1700	<50	<340	<340	8.1 J
	07/29/1999	--	ND	65.1	1110	5690	ND	410	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	16
	02/20/2012	--	<0.20	<1.7	<1.7	3.4 J	<0.40	4.1 J	<0.019	<0.30	<0.20	<1.0	<0.20	<0.40	<33	<1.0	18 J	72 J	140
03538-MW08	06/26/2012	--	<5.0	<5.0	6.9	29	<5.0	20	<0.021	<5.0	NT	NT	NT	NT	NT	NT	NT	NT	20
	12/03/2014	--	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.020	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	31

TABLE 3
Summary of Groundwater Analytical Results - Revised 1-29-15
Coastal 76 Truck Stop - UST Permit #03538
Florence, Florence County, South Carolina

		Free-Product Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	EDB (µg/L)	1,2 DCA (µg/L)	ETBE (µg/L)	ETBA (µg/L)	TAME (µg/L)	DIPE (µg/L)	Ethanol (µg/L)	TBF (µg/L)	TBA (µg/L)	TAA (µg/L)	Lead (µg/L)
		—	RBSL 5	RBSL 1,000	RBSL 700	RBSL 10,000	RBSL 40	RBSL 25	RBSL 0.05	RBSL 5	RBSL 47	RBSL NE	RBSL 128	RBSL 150	RBSL 10,000	RBSL NE	RBSL 1,400	RBSL 240	RBSL 15
03538-MW09	08/05/1999	—	ND	ND	ND	1.46	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	12
	02/20/2012	NOT LOCATED																	
	06/26/2012	NOT LOCATED																	
	12/02/2014	NOT LOCATED																	
03538-MW10	08/05/1999	—	ND	4.09	2.63	7.43	14.15	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	13
	02/20/2012	—	<0.20	<1.7	<1.7	<1.7	<0.40	<1.7	<0.023	<0.30	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	2.9
	06/26/2012	—	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	<5.0	NT	NT	NT	NT	NT	NT	NT	NT	11
	12/02/2014	NOT LOCATED																	
03538-MW10R	12/03/2014	—	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.021	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	28
03538-MW11	08/05/1999	—	10.1	1.63	19.9	11.18	ND	15.2	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	120
	02/20/2012	NOT SAMPLED - DRY																	
	06/26/2012	—	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	<5.0	NT	NT	NT	NT	NT	NT	NT	NT	19
	12/03/2014	—	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.019	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	8.9 J
03538-MW14	08/05/1999	—	591	1350	640	2123	8.68	8.4	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	16
	02/20/2012	—	530	3100	1500	4400	<0.40	260	0.21	10	<0.20	1.1 J	<0.20	<10	<33	<1.0	9.5 J	630	5.2
	06/26/2012	—	13	16	73	49	<5.0	46	<0.019	<5.0	NT	NT	NT	NT	NT	NT	NT	NT	3.0 J
	12/12/2014	—	2.8	2.0	5.3	4.9	<1.0	1.3	<0.019	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	<1.9
03538-MW15	06/26/2012	—	92	280	140	380	<25	39	0.050	<5.0	NT	NT	NT	NT	NT	NT	NT	NT	8.6 J
	12/03/2014	—	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.020	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	<1.9
03538-MW16	06/26/2012	—	180	580	83	380	5.4 J	39	0.59	<25	NT	NT	NT	NT	NT	NT	NT	NT	16
	12/03/2014	—	1.3	0.62 J	<0.33	0.68 J	1.1	<0.40	0.031	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	<1.9
03538-MW17	06/26/2012	—	880	1500	1500	5700	20 J	980	2.8	<100	NT	NT	NT	NT	NT	NT	NT	NT	35
	12/03/2014	—	230	600	1000	5000	<20	340	0.70	<7.4	<10	<50	<10	<20	<1700	<50	<340	<340	31
03538-MW18	06/26/2012	—	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	<5.0	NT	NT	NT	NT	NT	NT	NT	NT	11
	12/03/2014	—	<0.13	<0.33	0.40 J	80	<0.40	21	<0.019	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	12 J	<6.7	<1.9
03538-MW19	12/03/2014	—	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.020	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	<1.9
03538-MW20	12/03/2014	—	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.019	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	<1.9
03538-MW21	12/03/2014	—	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.020	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	6.9 J
03538-MW22	12/03/2014	—	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.020	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	2 J
	12/12/2014	—	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.020	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	NT
03538-MW22D	12/03/2014	—	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.020	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	3.4 J
03538-MW23	12/03/2014	—	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.020	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	43
	12/12/2014	—	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.020	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	NT
03538-MW24	12/03/2014	—	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.020	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	2 J
03538-MW25	12/03/2014	—	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.020	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	3.1 J
03538-MW26	12/03/2014	—	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.020	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	3.3 J
03538-MW27	12/03/2014	—	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.020	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	<1.9
03538-MW28	12/03/2014	—	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.020	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	3.3 J

TABLE 3
Summary of Groundwater Analytical Results - Revised 1-29-15
Coastal 76 Truck Stop - UST Permit #03538
Florence, Florence County, South Carolina

		Free-Product Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	EDB (µg/L)	1,2 DCA (µg/L)	ETBE (µg/L)	ETBA (µg/L)	TAME (µg/L)	DIPE (µg/L)	Ethanol (µg/L)	TBF (µg/L)	TBA (µg/L)	TAA (µg/L)	Lead (µg/L)
		---	RBSL 5	RBSL 1,000	RBSL 700	RBSL 10,000	RBSL 40	RBSL 25	RBSL 0.05	RBSL 5	RBSL 47	RBSL NE	RBSL 128	RBSL 150	RBSL 10,000	RBSL NE	RBSL 1,400	RBSL 240	RBSL 15
03538-TW01	08/26/1999	--	89.6	289	91.5	377	15	5	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	7
	03/01/2012	--	<0.20	<1.7	<1.7	<1.7	<0.40	2.61	<0.019	<0.30	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	13
	06/26/2012	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	<5.0	NT	NT	NT	NT	NT	NT	NT	NT	3.41
	12/12/2014	--	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.020	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	<1.9
03538-TW02	06/26/2012	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	<5.0	NT	NT	NT	NT	NT	NT	NT	NT	11
	12/03/2014	--	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.019	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	<1.9
TRIP BLANK 1	12/03/2014	--	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	NT	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	NT
TRIP BLANK 2	12/03/2014	--	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	NT	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	NT
TRIP BLANK 3	12/03/2014	--	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	NT	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	NT
TRIP BLANK 4	12/12/2014	--	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	NT	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	NT
FIELD BLANK 1	12/02/2014	--	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.020	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	<1.9
FIELD BLANK 2	12/03/2014	--	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.020	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	<1.9
FIELD BLANK 3	12/12/2014	--	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.020	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	NT

NOTES:

RBSL - Risk Based Screening Level

Bold values indicate concentrations detected above the laboratory method detection limit

Shaded values indicate concentrations exceeding RBSLs

NE - Not Established

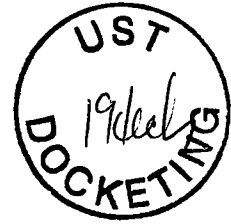
NT - Not Tested



W. Marshall Taylor Jr., Acting Director

Promoting and protecting the health of the public and the environment

BRYAN SHANE
MIDLANDS ENVIRONMENTAL CONSULTANTS
PO BOX 854
LEXINGTON SC 29071



JUN 19 2015

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
00949	Dolphin Head Golf Course	Beaufort	21-BTEXMN, DCA, Oxygenates & EDB	J. Bryant
19535	Former Perry's Gas and Oil	Calhoun	55-BTEXMN, DCA, Oxygenates & EDB	J. Bryant
02290	Price's Market	Chesterfield	33-BTEXMN, DCA, Oxygenates & EDB	A. Thrash
10797	Pantry 3238	Kershaw	28-BTEXMN, DCA, Oxygenates & EDB	K. Barnes
03538	Coastal 76 Truck Stop	Florence	32-BTEXMN, DCA, Oxygenates & EDB	M. Milenkova
16089	Reed's Store	Marion	29-BTEXMN, DCA, Total Lead, Oxygenates & EDB	K. Kuhn
07261	93 Quick Stop	Pickens	31-BTEXMN, DCA, Oxygenates & EDB	J. Padgett
15771	Sugar Shack	Dorchester	41-BTEXMN, DCA, Oxygenates & EDB	J. Padgett
12151	Sportsman's Corner	Clarendon	14-BTEXMN, DCA, Oxygenates & EDB	A. Thrash

*The number of samples do not include trip blanks, field blanks, or field duplicate

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) 898-0606 or bryantjc@dhec.sc.gov.

Sincerely,

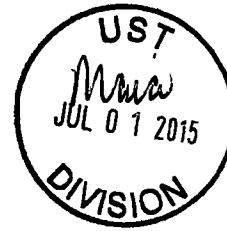
A handwritten signature in black ink, appearing to read 'JCB', is positioned above the typed name.

John C. Bryant, Hydrogeologist
Corrective Action Section
UST Management Division
Bureau of Land & Waste Management

enc: Site Information Packages
cc: Technical Files

 **Midlands
Environmental
Consultants, Inc.**

June 29, 2015



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

RECEIVED

JUN 30 2015
SC Department of
Health and Environmental
Control

Subject: Site-Specific Work Plan
Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID Number 03538
MECI Project Number 15-5233
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 June 26, 2015, 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



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

To: Ms. Maia Milenkova (SCDHEC Project Manager)
 From: Mr. Jeff Coleman (Contractor Project Manager)
 Contractor: Midlands Environmental Consultants, Inc. UST Contractor Certification Number: 009

Facility Name: Coastal 76 Truck Stop UST Permit #: 03538
 Facility Address: 2513 E Palmetto Street, Florence, SC 29506
 Responsible Party: Dan M. McEachin Phone: 803-651-8835
 RP Address: 1007 Wentworth Drive, Florence, SC 29501
 Property Owner (if different): SAA
 Property Owner Address: SAA
 Current Use of Property: Abandoned Truck Stop

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
 _____ 29 _____ 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 #: 03538 Facility Name: Coastal 76 Truck Stop

Implementation Schedule (Number of calendar days from approval)

Field Work Start-Up: 7/9/2015

Field Work Completion: 8/9/2015

Report Submittal: 9/9/2015

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: 300.0 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/repared, well pads/bolts/caps to replace, details of AFVR event, etc.

-During the initial site visit, monitoring well MW-28 was not located. If this well is located during sampling activities, it will be sampled accordingly.

-All other wells were found to be in good condition.

-Only wells where the groundwater does not bracket the screen 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: _____

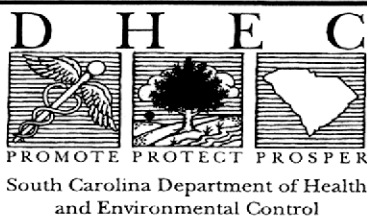
SCLLR Certification Number: _____

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	Proposed monitoring well locations
Location of property lines	Legend with facility name and address, UST permit number, and bar scale
Location of buildings	Streets or highways (indicate names and numbers)
Previous soil sampling locations	Location of all present and former ASTs and USTs
Previous monitoring well locations	Location of all potential receptors
Proposed soil boring locations	
3. Assessment Component Cost Agreement, SCDHEC Form D-3664



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 4600422513

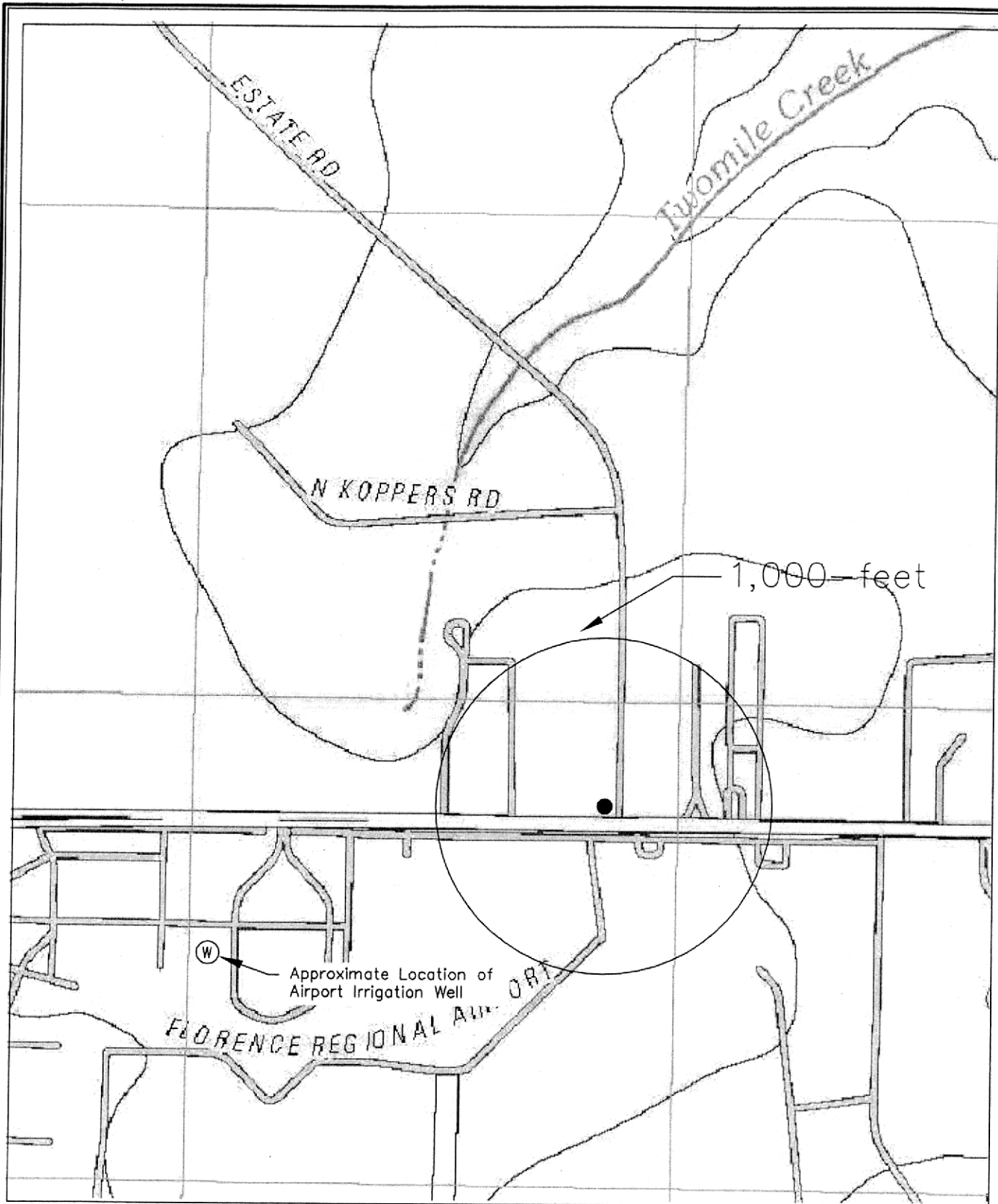
Facility Name: Coastal 76 Truck Stop

UST Permit #: 03538

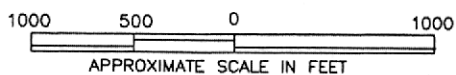
Cost Agreement #:

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	29	per well	\$16.00		\$464.00
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	300	gallons	\$1.00		\$300.00
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					\$1,484.00



REFERENCE: Florence East Quadrangle - 7.5 Minute Series, United States Geological Survey, 2011 (Contour Interval - 10 feet)

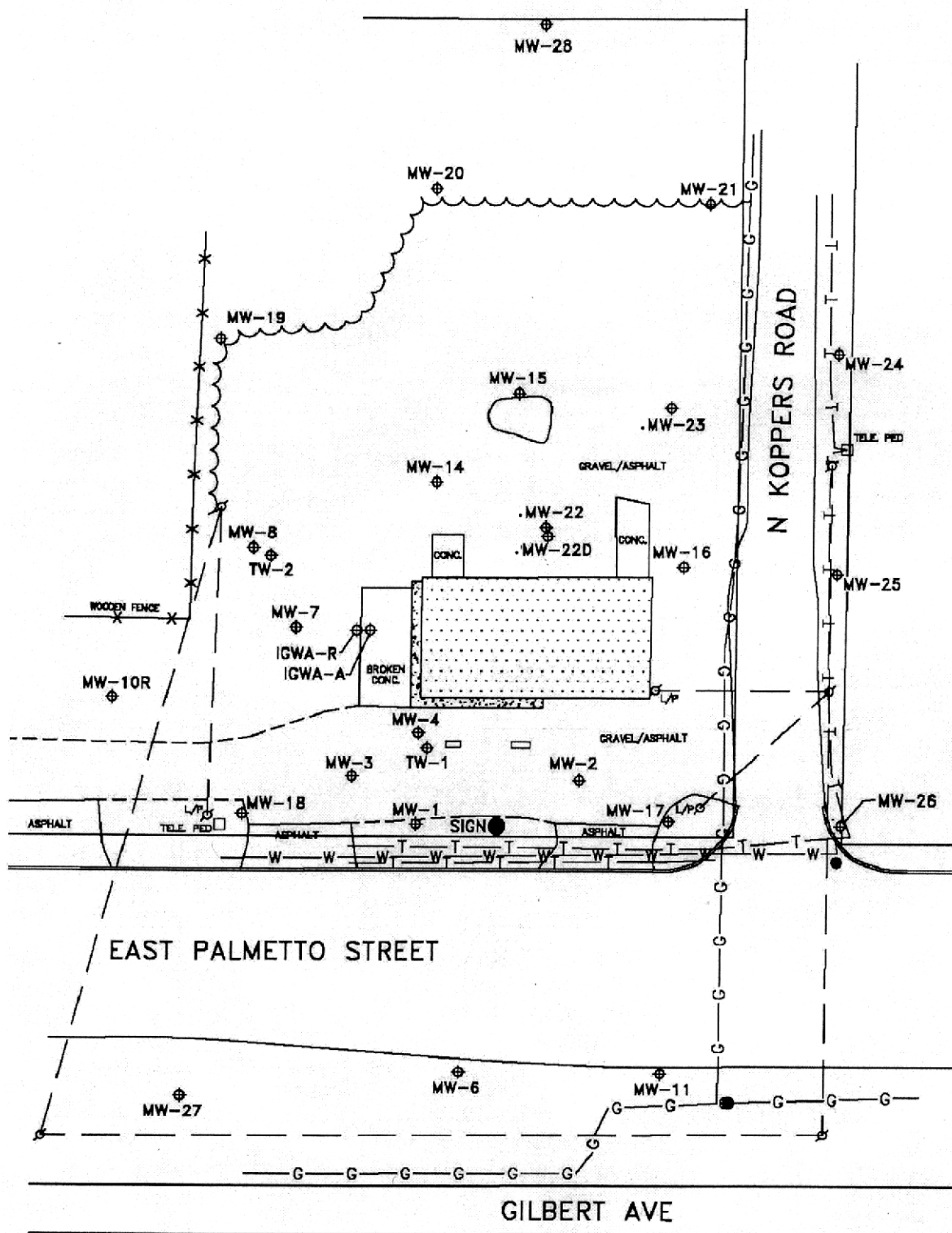


● Approximate Site Location

Ⓦ Private Water Supply Well



Title	Topographic Site Location Map		
Project	Coastal 76 Truck Stop (UST Permit #03538) 2513 East Palmetto Street Florence, South Carolina Florence County		
Date	07/24/2014	 petra-tech ENVIRONMENTAL, LLC ENGINEERS & CONSULTANTS	Figure No. 1
REV.	12/12/2014		
Job No.	J14-070-A		



REFERENCE: Site Survey by Souther Land Surveying dated 5 December 2014



Groundwater Monitoring Well

40 20 0 40
APPROXIMATE SCALE IN FEET



Title	Site Base Map
Project	Coastal 76 Truck stop (UST Permit #03538) 2513 East Palmetto Street Florence, South Carolina Florence County
Date	12/12/2014
Job No.	J14-070-A
 petra-tech ENVIRONMENTAL, LLC ENGINEERS & CONSULTANTS	
Figure No.	3



Catherine E. Heigel, Director

Promoting and protecting the health of the public and the environment

AUG 06 2015



**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#4600422513
Coastal 76 Truck Stop, 2513 E. Palmetto Street, Florence, SC
UST Permit # 03538; CA # 50648; (Pace CA #50649)
Florence 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 (SSWP) has been reviewed and approved. **Please note that additional cost was approved for providing historic data table to include groundwater elevation and analytical results as it was requested in June 2015.** 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) 898-0592 or via e-mail at milenkmp@dhec.sc.gov. If you have any contract specific questions, please contact John Bryant at (803) 898-0614 or via e-mail at bryantjc@dhec.sc.gov.

Sincerely,



Maia Milenkova, Hydrogeologist
Assessment/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 enc.)
Trey Carter, Pace Analytical Services, 9800 Kincey Ave, Ste 100, Huntersville, NC 28078 (w/
approved CA)
Technical Files (w/ enc.)

Approved Cost Agreement 50649

Facility: 03538 COASTAL 76 TRUCK STOP

MILENKMP

PO Number:

<u>Task / Description</u>	<u>Categories</u>	<u>Item</u>	<u>Description</u>	<u>Qty / Pct</u>	<u>Unit Price</u>	<u>Amount</u>
11 ANALYSES						
	GW GROUNDWATER	A2	BTEXNM+OXYGS+1,2-DCA+ETH-8260B	33.0000	19.00	627.00
		F1	EDB BY 8011	32.0000	18.00	576.00
				Total Amount		1,203.00

Approved Cost Agreement 50648

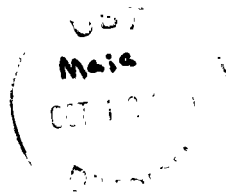
Facility: 03538 COASTAL 76 TRUCK STOP

MILENKMP

PO Number:

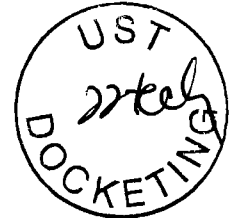
<u>Task / Description</u>	<u>Categories</u>	<u>Item Description</u>	<u>Qty / Pct</u>	<u>Unit Price</u>	<u>Amount</u>
04 MOB/DEMOB		B1 PERSONNEL	2.0000	350.00	700.00
10 SAMPLE COLLECTION		A1 GROUNDWATER (PURGE)	29.0000	16.00	464.00
		H1 FIELD BLANK	1.0000	10.00	10.00
17 DISPOSAL		AA WASTEWATER	300.0000	1.00	300.00
18 MISCELLANEOUS		DATA TABLE	1.0000	25.00	25.00
		SITE SPECIFIC WORK PLAN	1.0000	0.00	0.00
		TRIP BLANK	1.0000	10.00	10.00
Total Amount					1,509.00

 **Midlands
Environmental
Consultants, Inc.**



September 28, 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
Coastal 76 Truck Stop
2607 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID Number 03538; CA # 50648
MECI Project Number 15-5233
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 (Costal 76 Truck Stop) is located at 2513 East Palmetto Street, Florence, Florence County, South Carolina. The subject site formally maintained four underground storage tanks (UST's), including 1-2,000 gallon gasoline UST, 1-3,000 gallon gasoline UST, 1-1,000 gallon gasoline UST, and 1-2,000 gallon diesel UST. These UST's were abandoned by removal from ground in August of 1995. The South Carolina Department of Health and Environmental Control reported a release of petroleum product for the subject UST's in September of 1995 and confirmed this release in August of 1997. The subject site is currently rated a Class 3BF.

The above information is based on reports and correspondence obtained from MECI field notes and SCDHEC files.

MONITORING WELL SAMPLING AND CHEMICAL ANALYSIS

On August 31, 2015, MECI personnel collected groundwater samples from twenty-six (26) monitoring wells at the subject site. Two (2) monitoring wells (MW-24 and MW-25) were gauged and determined to be dry. Monitoring wells IGWA-R, MW-5, MW-9 and MW-10 were noit located

during sampling activities. Based on the request by SCDHEC personnel, all monitoring wells were to be purged prior to sample collection; however monitoring wells MW-23, MW-26 and MW-27 were unable to be purged prior to sample collection due to insufficient water. Twenty-three (23) monitoring wells were 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. Purging was completed by bailing at least five well volumes of water from the well, until pH, conductivity, dissolved oxygen 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 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 (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 during the sampling event:

Monitoring Well	Purge	No Purge	Gauge Only	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)	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									
IGWA	X				X	X	X	X						
IGWA-R				X										
MW-1	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-5				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-10R	X				X	X	X	X						
MW-11	X				X	X	X	X						
MW-14	X				X	X	X	X						
MW-15	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

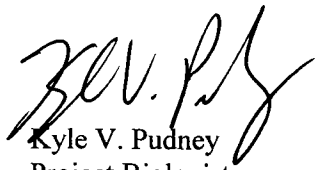
Monitoring Well	Purge	No Purge	Gauge Only	Not Sampled	BTEX, Naphthalene, MTBE (EPA Method 8260-B)	EDB (EPA Method 8011)	1,2 DCA (EPA Method 8260-B)	8 Oxygenates (EPA Method 8260-B)	Lead (EPA Method 6010)	Sulfate (EPA Method 375.2)	Nitrate (EPA Method 335.2)	Methane (RSK Method)	PAH's (EPA Method 8270)	Ferrous Iron (Field Test)
					Analyte Sampled									
MW-16	X				X	X	X	X						
MW-17	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				X	X	X	X						
MW-22	X				X	X	X	X						
MW-22D	X				X	X	X	X						
MW-23		X			X	X	X	X						
MW-24			X											
MW-25			X											
MW-26		X			X	X	X	X						
MW-27		X			X	X	X	X						
MW-28	X				X	X	X	X						
TW-1	X				X	X	X	X						
TW-2	X				X	X	X	X						
IGWA Dup.					X	X	X	X						
MW-7 Dup.					X	X	X	X						
Field Blank					X	X	X	X						
Trip Blank					X		X	X						

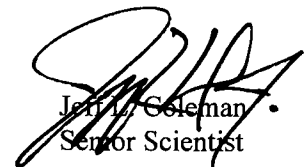
Notes: BTEX = benzene, toluene, ethylbenzene, & total xylenes MTBE=methyl tertiary butyl ether 1,2 DCA = 1,2 dicloroethane
PAH = polycyclic aromatic hydrocarbons

Purge water produced by the purging process was treated on-site utilizing a granular activated carbon unit. A total of 91.00 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.


Kyle V. Pudney
Project Biologist


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 #: 03538
Facility Name: Coastal 76 Truck Stop
County: Florence
Field Personnel: Todd Elder, Adrian Best, Peter Wylie



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
IGWA	Y	8/31/15	12:03	TD:16.74	***	13.78	***	1.84	2.50	Odor, Light Sheen
IGWA"R"	Y	8/31/15	NS	11.00-21.00	***	NS	***	NS	NS	Not Sampled; Well Covered by Dumpster
MW-1	Y	8/31/15	13:07	TD:17.80	***	12.31	***	3.02	3.00	Odor
MW-2	Y	8/31/15	12:42	TD:18.30	***	12.17	***	2.47	3.00	Odor
MW-3	Y	8/31/15	13:13	TD:18.20	***	12.06	***	2.71	3.00	Odor
MW-4	Y	8/31/15	12:51	TD:18.35	***	12.24	***	3.19	3.00	Odor
MW-5	N	8/31/15	NL	8.29-18.29	***	NL	***	NL	NL	Not Located; Not on Provided Map
MW-6	Y	8/31/15	11:27	8.29-18.29	***	12.54	***	2.84	3.00	No Odor
MW-7	Y	8/31/15	11:55	8.38-18.38	***	11.15	***	Sheen	3.50	Odor, Light Sheen
MW-8	Y	8/31/15	11:33	8.29-18.29	***	10.32	***	3.20	4.00	No Odor
MW-9	N	8/31/15	NL	8.33-18.33	***	NL	***	NL	NL	Not Located, Not on Provided Map
MW-10	N	8/31/15	NL	TD:18.25	***	NL	***	NL	NL	Not Located; Not on Provided Map
MW-10R	Y	8/31/15	11:52	1.61-11.61	***	10.29	***	2.41	2.00	No Odor
MW-11	Y	8/31/15	12:18	8.42-18.42	***	13.69	***	3.02	3.00	No Odor
MW-14	Y	8/31/15	11:23	8.29-18.29	***	13.11	***	2.31	2.50	No Odor
									32.50	TOTAL GALLONS PURGED

Site Activity Summary

UST Permit #: 03538
Facility Name: Coastal 76 Truck Stop
County: Florence
Field Personnel: Todd Elder, Adrian Best, Peter Wylie



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-15	Y	8/31/15	10:44	10.00-20.00	***	12.32	***	2.80	4.00	No Odor
MW-16	Y	8/31/15	10:59	11.00-21.00	***	14.48	***	2.61	4.00	No Odor
MW-17	Y	8/31/15	10:34	11.00-21.00	***	11.72	***	2.89	4.50	No Odor
MW-18	Y	8/31/15	13:15	11.00-21.00	***	12.28	***	Sheen	4.00	Strong Odor, Sheen
MW-19	Y	8/31/15	10:35	2.12-12.12	***	10.74	***	2.45	1.25	No Odor
MW-20	Y	8/31/15	10:31	4.50-14.50	***	11.80	***	3.11	2.50	No Odor
MW-21	Y	8/31/15	10:26	2.75-12.75	***	10.91	***	2.39	1.00	No Odor
MW-22	Y	8/31/15	11:18	5.09-15.09	***	11.53	***	3.10	2.50	No Odor
MW-22D	Y	8/31/15	11:13	39.23-44.23	***	13.78	***	3.21	13.00	No Odor
MW-23	Y	8/31/15	10:47	5.57-15.57	***	15.00	***	INS.	INS.	No Odor; Insufficient water to purge or collect field readings
MW-24	N	8/31/15	DRY	2.99-12.99	***	DRY	***	DRY	DRY	Well Gauged Dry
MW-25	N	8/31/15	DRY	3.16-13.16	***	DRY	***	DRY	DRY	Well Gauged Dry
MW-26	Y	8/31/15	12:10	4.86-14.86	***	14.27	***	INS.	INS.	No Odor; Insufficient water to purge or collect field readings
MW-27	Y	8/31/15	12:30	5.05-15.05	***	14.31	***	INS.	INS.	No Odor; Insufficient water to purge or collect field readings
MW-28	Y	8/31/15	10:20	2.97-12.97	***	10.59	***	2.85	2.00	No Odor
									38.75	TOTAL GALLONS PURGED

Site Activity Summary

UST Permit #: 03538
Facility Name: Coastal 76 Truck Stop
County: Florence
Field Personnel: Todd Elder, Adrian Best, Peter Wylie



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
TW-1	Y	8/31/15	13:01	31.00-36.00	***	12.26	***	1.93	10.00	Odor
TW-2	Y	8/31/15	11:44	31 00-36.00	***	11.63	***	2.64	10.50	No Odor
IGWA Dup.	Y	8/31/15	12:03	***	***	***	***	***	***	Duplicate Sample
MW-7 Dup.	Y	8/31/15	11:55	***	***	***	***	***	***	Duplicate Sample
Field Blank	Y	8/31/15	13:20	***	***	***	***	***	***	Field Blank
Trip Blank	Y	8/31/15	13:21	***	***	***	***	***	***	Trip Blank
									20.50	TOTAL GALLONS PURGED

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie		
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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:	IGWA	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.):		N/A		Total Well Depth (TWD) (ft.):		16.74	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):		13.78		Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	2.96	1 casing volume (CV = LWC x C) (gals.):		0.48		5 casing volumes (5 x CV) (gals.):		2.41	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	0.48	0.96	1.45	1.93	2.41			
Time (military)	11:58	11:59	12:00	12:01	12:02	12:03			
PH (s.u.)	6.75	6.83	6.87	6.90	6.96	7.03			
Specific Conductivity (µS/cm)	95.4	102.6	109.8	115.0	123.1	134.6			
Water Temperature (°C)	20.6	20.6	20.6	20.6	20.6	20.6			
Dissolved Oxygen (mg/L)	1.84	1.91	2.06	2.15	2.28	2.34			
Turbidity (NTU)	Sheen	Sheen							
Sampling Data									
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	12:03	Duplicate: Y or N	Y	If yes, Duplicate Time:	12:03	Total Gallons Purged:	2.50
Notes:									
Odor; Light Sheen									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie	
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77	
Quality Assurance								
Meter Name	Serial #:	Calibration:						
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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 N
YSI Pro 20 (Dissolved Oxygen)	12G102878	Y or N	Y					
MicroTPI/TPW (Turbidity)	201301183	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-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.):		N/A	Total Well Depth (TWD) (ft.):		17.8	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):		12.31	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	5.49	1 casing volume (CV = LWC x C) (gals.):		0.89	5 casing volumes (5 x CV) (gals.):		4.47	
Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	0.89	1.79	2.68	3.56	4.47		
Time (military)	13:04	13:05	13:06	13:07				
PH (s.u.)	5.76	5.82	5.89	5.93				
Specific Conductivity (µS/cm)	174.8	187.2	195.1	202.3				
Water Temperature (°C)	21.7	21.7	21.7	21.7				
Dissolved Oxygen (mg/L)	3.02	3.13	3.21	3.28				
Turbidity (NTU)	116.3	128.4	140.6	153.2				
Sampling Data								
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	13:07	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:
				3.00				
Notes:								
Odor, Dry @ 3.00 Gallons								

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie	
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77	

Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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.):	N/A	Total Well Depth (TWD) (ft.):	18.3
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	12.17	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	6.13	1 casing volume (CV = LWC x C) (gals.):	1.00	5 casing volumes (5 x CV) (gals.):	5.00

Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	1.00	2.00	3.00	4.00	5.00		
Time (military)	12:36	12:38	12:40	12:42				
PH (s.u.)	6.27	6.36	6.40	6.45				
Specific Conductivity (µS/cm)	84.3	93.6	105.1	117.0				
Water Temperature (°C)	20.8	20.8	20.8	20.8				
Dissolved Oxygen (mg/L)	2.47	2.51	2.55	2.62				
Turbidity (NTU)	206.9	214.6	228.2	241.1				

Sampling Data									
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	12:42	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	3.00

Notes:

Odor, Dry @ 3.00 Gallons

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie		
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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 N	
YSI Pro 20 (Dissolved Oxygen)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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 = 0.18, 4" well = 0.652			0.163	Method of Purging/Sample Collection		Bailer	
Sample Type: (i.e. MW, IW, RW, WSW)	MW	Screened Interval (ft.):			N/A	Total Well Depth (TWD) (ft.):		18.2	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			12.06	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	6.14	1 casing volume (CV = LWC x C) (gals.):			1.00	5 casing volumes (5 x CV) (gals.):		5.00	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	1.00	2.00	3.00	4.00	5.00			
Time (military)	13:10	13:11	13:12	13:13					
PH (s.u.)	6.80	6.88	6.95	7.02					
Specific Conductivity (µS/cm)	123.7	130.2	135.1	142.6					
Water Temperature (°C)	19.8	19.8	19.8	19.8					
Dissolved Oxygen (mg/L)	2.71	2.74	2.83	2.88					
Turbidity (NTU)	75.26	84.31	92.64	99.77					
Sampling Data									
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	13:13	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged: 3.00	
Notes: Odor, Dry @ 3.00 Gallons									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie	
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77	
Quality Assurance								
Meter Name	Serial #:	Calibration:						
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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
YSI Pro 20 (Dissolved Oxygen)	12G102678	Y or N	Y					
MicroTPI/TPW (Turbidity)	201301183	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		
Sample Type: (i.e. MW, IW, RW, WSW)	MW	Screened Interval (ft.):			N/A	Total Well Depth (TWD) (ft.):		
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			12.24	Free Product Thickness (ft.):		
Length of water column (LWC = TWD – DGW) (ft.):	6.11	1 casing volume (CV = LWC x C) (gals.):			1.00	5 casing volumes (5 x CV) (gals.):		
Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	1.00	1.99	2.99	3.98	4.98		
Time (military)	12:45	12:47	12:49	12:51				
PH (s.u.)	6.33	6.38	6.47	6.54				
Specific Conductivity (µS/cm)	161	175.8	190.3	199.4				
Water Temperature (°C)	21.2	21.2	21.2	21.2				
Dissolved Oxygen (mg/L)	3.19	3.24	3.30	3.35				
Turbidity (NTU)	137.8	149	164.5	178.2				
Sampling Data								
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	13:13	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:
								3.00
Notes:								
Odor, Dry @ 3.00 Gallons								

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie	
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77	
Quality Assurance								
Meter Name	Serial #:	Calibration:						
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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 N
YSI Pro 20 (Dissolved Oxygen)	12G102678	Y or N	Y					
MicroTPI/TPW (Turbidity)	2013D1183	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.):		N/A	Total Well Depth (TWD) (ft.):		18.29	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):		12.54	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	5.75	1 casing volume (CV = LWC x C) (gals.):		0.94	5 casing volumes (5 x CV) (gals.):		4.69	
Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	0.94	1.87	2.81	3.75	4.69		
Time (military)	11:21	11:23	11:25	11:27				
PH (s.u.)	6.21	6.29	6.35	6.40				
Specific Conductivity (µS/cm)	108.2	116.1	122.7	129.3				
Water Temperature (°C)	20.5	20.5	20.5	20.5				
Dissolved Oxygen (mg/L)	2.84	2.89	2.96	3.03				
Turbidity (NTU)	173.9	180.4	185.1	193.7				
Sampling Data								
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	11:27	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged: 3.00
Notes: _____ _____ _____ _____								

No Odor, Dry @ 3.00 Gallons

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie		
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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 N	
YSI Pro 20 (Dissolved Oxygen)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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.):		N/A	Total Well Depth (TWD) (ft.):		18.29		
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):		11.15	Free Product Thickness (ft.):		Not Detected		
Length of water column (LWC = TWD – DGW) (ft.):	7.14	1 casing volume (CV = LWC x C) (gals.):		1.16	5 casing volumes (5 x CV) (gals.):		5.82		
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	1.16	2.33	3.49	4.66	5.82			
Time (military)	11:50	11:51	11:53	11:55					
PH (s.u.)	Sheen	Sheen	Sheen	Sheen					
Specific Conductivity (µS/cm)	Sheen	Sheen	Sheen	Sheen					
Water Temperature (°C)	Sheen	Sheen	Sheen	Sheen					
Dissolved Oxygen (mg/L)	Sheen	Sheen	Sheen	Sheen					
Turbidity (NTU)	Sheen	Sheen	Sheen	Sheen					
Sampling Data									
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	11:55	Duplicate: Y or N	Y	If yes, Duplicate Time:	11:55	Total Gallons Purged: 3.50	
Notes: Odor; Sheen; Dry @ 3.50 Gallons									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77

Quality Assurance

Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	2013D1183	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.):	N/A	Total Well Depth (TWD) (ft.):	18.38
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	10.32	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	8.06	1 casing volume (CV = LWC x C) (gals.):	1.31	5 casing volumes (5 x CV) (gals.):	6.57

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	1.31	2.63	3.94	5.26	6.57		
Time (military)	11:26	11:28	11:31	11:33				
PH (s.u.)	7.15	7.22	7.29	7.36				
Specific Conductivity (µS/cm)	130.7	135.4	141.2	148.6				
Water Temperature (°C)	21.3	21.3	21.3	21.3				
Dissolved Oxygen (mg/L)	3.2	3.28	3.35	3.41				
Turbidity (NTU)	150.6	164.3	171.0	179.4				

Sampling Data

Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	11:33	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	4.00
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Notes:

No Odor, Dry @ 4.00 Gallons

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie	
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77	
Quality Assurance								
Meter Name	Serial #:	Calibration:						
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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 N
YSI Pro 20 (Dissolved Oxygen)	12G102878	Y or N	Y					
MicroTPI/TPW (Turbidity)	201301183	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-10R	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.):		1.61-11.61	Total Well Depth (TWD) (ft.):		11.61	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):		10.29	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	1.32	1 casing volume (CV = LWC x C) (gals.):		0.22	5 casing volumes (5 x CV) (gals.):		1.08	
Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	0.22	0.43	0.65	0.86	1.08		
Time (military)	11:47	11:48	11:49	11:50	11:51	11:52		
PH (s.u.)	6.03	6.12	6.16	6.23	6.29	6.35		
Specific Conductivity (µS/cm)	110.9	117.3	125	132.4	138.7	143.1		
Water Temperature (°C)	22.3	22.3	22.3	22.3	22.3	22.3		
Dissolved Oxygen (mg/L)	2.41	2.46	2.52	2.59	2.65	2.72		
Turbidity (NTU)	196.8	203.7	210.4	218.1	226.3	238.2		
Sampling Data								
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	11:52	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:
				1.25				
Notes:								
No Odor								

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie	
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77	
Quality Assurance								
Meter Name	Serial #:	Calibration:						
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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
YSI Pro 20 (Dissolved Oxygen)	12G102878	Y or N	Y					
MicroTPI/TPW (Turbidity)	201301183	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-11	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.):		8.42-18.42		Total Well Depth (TWD) (ft.):		18.42
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):		13.69		Free Product Thickness (ft.):		Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	4.73	1 casing volume (CV = LWC x C) (gals.):		0.77		5 casing volumes (5 x CV) (gals.):		3.85
Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	0.77	1.54	2.31	3.08	3.85		
Time (military)	12:15	12:16	12:17	12:18				
PH (s.u.)	7.11	7.17	7.26	7.33				
Specific Conductivity (µS/cm)	62.7	68.4	75.2	81.0				
Water Temperature (°C)	20.8	20.8	20.8	20.8				
Dissolved Oxygen (mg/L)	3.02	3.14	3.25	3.32				
Turbidity (NTU)	132	145.6	152.8	161.4				
Sampling Data								
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	12:18	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:
								3.00
Notes:								
No Odor, Dry @ 3.00 Gallons								

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie		
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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	
YSI Pro 20 (Dissolved Oxygen)	12G102878	Y or N	Y						
MicroTP/TPW (Turbidity)	201301183	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.):			8.29-18.29	Total Well Depth (TWD) (ft.):		18.29	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			13.11	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	5.18	1 casing volume (CV = LWC x C) (gals.):			0.84	5 casing volumes (5 x CV) (gals.):		4.22	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	0.84	1.69	2.53	3.38	4.22			
Time (military)	11:21	11:22	11:23						
PH (s.u.)	6.47	6.53	6.59						
Specific Conductivity (µS/cm)	117	125.3	129.7						
Water Temperature (°C)	21.0	21.0	21.0						
Dissolved Oxygen (mg/L)	2.31	2.39	2.43						
Turbidity (NTU)	164.7	181.3	195.8						
Sampling Data									
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	11:23	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	
		2.50							
Notes:									
No Odor, Dry @ 2.50 Gallons									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77

Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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.):	10.00-20.00	Total Well Depth (TWD) (ft.):	20
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	12.32	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	7.68	1 casing volume (CV = LWC x C) (gals.):	1.25	5 casing volumes (5 x CV) (gals.):	6.26

Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	1.25	2.50	3.78	5.01	6.26		
Time (military)	10:39	10:41	10:42	10:44				
PH (s.u.)	6.82	6.88	6.94	7.01				
Specific Conductivity (µS/cm)	88.1	90.5	94.7	98.3				
Water Temperature (°C)	21.5	21.5	21.5	21.5				
Dissolved Oxygen (mg/L)	2.8	2.86	2.92	2.95				
Turbidity (NTU)	106.3	117.4	129.8	141.4				

Sampling Data									
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	10:44	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	4.00
Notes:									

Notes: No Odor, Dry @ 4.00 Gallons

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie	
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77	
Quality Assurance								
Meter Name	Serial #:	Calibration:						
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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
YSI Pro 20 (Dissolved Oxygen)	12G102878	Y or N	Y					
MicroTPI/TPW (Turbidity)	201301183	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.):			11.00-21.00	Total Well Depth (TWD) (ft.):		21
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			14.48	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)	10:56	10:57	10:58	10:59				
PH (s.u.)	6.04	6.08	6.14	6.19				
Specific Conductivity (µS/cm)	100.6	109.3	117.4	124.1				
Water Temperature (°C)	20.3	20.3	20.3	20.3				
Dissolved Oxygen (mg/L)	2.61	2.66	2.70	2.78				
Turbidity (NTU)	145.7	157.3	164.1	170.8				
Sampling Data								
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	10:59	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:
				4.00				
Notes:								
No Odor, Dry @ 4.00 Gallons								

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie	
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77	
Quality Assurance								
Meter Name	Serial #:	Calibration:						
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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 N
YSI Pro 20 (Dissolved Oxygen)	12G102878	Y or N	Y					
MicroTP/TPW (Turbidity)	201301183	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-17	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.):			11.00-21.00	Total Well Depth (TWD) (ft.): 21		
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			11.72	Free Product Thickness (ft.): Not Detected		
Length of water column (LWC = TWD – DGW) (ft.):	9.28	1 casing volume (CV = LWC x C) (gals.):			1.51	5 casing volumes (5 x CV) (gals.): 7.56		
Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	1.51	3.03	4.54	6.05	7.56		
Time (military)	12:30	12:31	12:33	12:34				
PH (s.u.)	5.96	6.03	6.08	6.15				
Specific Conductivity (µS/cm)	104.6	119.1	128.4	134.0				
Water Temperature (°C)	22.1	22.1	22.1	22.1				
Dissolved Oxygen (mg/L)	2.89	2.94	3.01	3.16				
Turbidity (NTU)	133.2	140.6	153.2	164.5				
Sampling Data								
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	12:34	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged: 4.50
Notes:								
Slight Odor, Dry @ 4.50 Gallons								

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie	
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77	
Quality Assurance								
Meter Name	Serial #:	Calibration:						
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H10144B	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
YSI Pro 20 (Dissolved Oxygen)	12G102878	Y or N	Y					
MicroTPI/TPW (Turbidity)	201301183	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.):		11.00-21.00	Total Well Depth (TWD) (ft.):		21	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):		12.28	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	8.72	1 casing volume (CV = LWC x C) (gals.):		1.42	5 casing volumes (5 x CV) (gals.):		7.11	
Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	1.42	2.84	4.26	5.69	7.11		
Time (military)	13:10	13:12	13:15					
PH (s.u.)	Sheen	Sheen	Sheen					
Specific Conductivity (µS/cm)	Sheen	Sheen	Sheen					
Water Temperature (°C)	Sheen	Sheen	Sheen					
Dissolved Oxygen (mg/L)	Sheen	Sheen	Sheen					
Turbidity (NTU)	Sheen	Sheen	Sheen					
Sampling Data								
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	13:15	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:
								4.00
Notes:								
Odor, Sheen, Dry @ 4.00 Gallons								

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie	
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77	
Quality Assurance								
Meter Name	Serial #:	Calibration:						
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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
YSI Pro 20 (Dissolved Oxygen)	12G102878	Y or N	Y					
MicroTP/TPW (Turbidity)	201301183	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.):		2.12-12.12		Total Well Depth (TWD) (ft.):		12.12
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):		10.74		Free Product Thickness (ft.):		Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	1.38	1 casing volume (CV = LWC x C) (gals.):		0.22		5 casing volumes (5 x CV) (gals.):		1.12
Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	0.22	0.45	0.67	0.90	1.12		
Time (military)	10:30	10:31	10:32	10:33	10:34	10:35		
PH (s.u.)	6.74	6.8	6.87	6.93	7.00	7.08		
Specific Conductivity (µS/cm)	168.4	178.1	185.2	197.3	201.6	209.7		
Water Temperature (°C)	20.3	20.3	20.3	20.3	20.3	20.3		
Dissolved Oxygen (mg/L)	2.45	2.51	2.54	2.63	2.68	2.73		
Turbidity (NTU)	142.7	160.8	172.4	185.1	198	210.5		
Sampling Data								
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	10:35	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:
				4.00				
Notes:								
No Odor								

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie		
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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	
YSI Pro 20 (Dissolved Oxygen)	12G102678	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-20	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.):		4.50-14.50	Total Well Depth (TWD) (ft.):		14.5		
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):		11.8	Free Product Thickness (ft.):		Not Detected		
Length of water column (LWC = TWD – DGW) (ft.):	2.7	1 casing volume (CV = LWC x C) (gals.):		0.44	5 casing volumes (5 x CV) (gals.):		2.20		
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	0.44	0.88	1.32	1.76	2.20			
Time (military)	10:26	10:27	10:28	10:29	10:30	10:31			
PH (s.u.)	6.97	7.05	7.12	7.18	7.24	7.31			
Specific Conductivity (µS/cm)	127.8	139.2	148.6	157.3	165.7	176.1			
Water Temperature (°C)	20.7	20.7	20.7	20.7	20.7	20.7			
Dissolved Oxygen (mg/L)	3.11	3.18	3.23	3.29	3.45	3.49			
Turbidity (NTU)	93.09	106.4	112.7	118.3	125.1	130.6			
Sampling Data									
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	10:31	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	
								2.50	
Notes:									
No Odor									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie	
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77	

Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-21	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.):	2.75-12.75	Total Well Depth (TWD) (ft.):	12.75
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	10.91	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	1.84	1 casing volume (CV = LWC x C) (gals.):	0.30	5 casing volumes (5 x CV) (gals.):	1.50

Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	0.30	0.60	0.90	1.20	1.50		
Time (military)	10:23	10:24	10:25	10:26				
PH (s.u.)	6.71	6.77	6.82	6.86				
Specific Conductivity (µS/cm)	90.6	94.1	103.7	116.0				
Water Temperature (°C)	20.6	20.6	20.6	20.6				
Dissolved Oxygen (mg/L)	2.39	2.46	2.53	2.6				
Turbidity (NTU)	154.5	163.2	169.1	177.8				

Sampling Data									
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	10:26	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	1.00

Notes:

No Odor, Dry @ 1.00 Gallon

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie	
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77	
Quality Assurance								
Meter Name	Serial #:	Calibration:						
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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
YSI Pro 20 (Dissolved Oxygen)	12G102878	Y or N	Y					
MicroTP/TPW (Turbidity)	201301183	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-22	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.):		5.09-15.09	Total Well Depth (TWD) (ft.):		15.09	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):		11.53	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	3.56	1 casing volume (CV = LWC x C) (gals.):		0.58	5 casing volumes (5 x CV) (gals.):		2.90	
Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	0.58	1.16	1.74	2.32	2.90		
Time (military)	11:15	11:16	11:17	11:18				
PH (s.u.)	6.34	6.37	6.41	6.47				
Specific Conductivity (µS/cm)	81.7	89.4	97.5	105.3				
Water Temperature (°C)	21.0	21.0	21.0	21.0				
Dissolved Oxygen (mg/L)	3.1	3.18	3.23	3.28				
Turbidity (NTU)	121.7	135.2	152.6	168.4				
Sampling Data								
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	11:18	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:
								2.50

Notes:

No Odor, Dry @ 2.50 Gallons

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie		
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102678	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-22D	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.):			39.23-44.23	Total Well Depth (TWD) (ft.):		44.23	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			13.78	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	30.45	1 casing volume (CV = LWC x C) (gals.):			4.96	5 casing volumes (5 x CV) (gals.):		24.82	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	4.96	9.93	14.89	19.85	24.82			
Time (military)	11:03	11:08	11:13						
PH (s.u.)	6.33	6.39	6.46						
Specific Conductivity (µS/cm)	189.4	203.1	215.8						
Water Temperature (°C)	19.5	19.5	19.5						
Dissolved Oxygen (mg/L)	3.21	3.38	3.54						
Turbidity (NTU)	36.24	43.61	52.1						
Sampling Data									
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	11:13	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	13.00
Notes: No Odor, Dry @ 13.00 Gallons									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie		
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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	
YSI Pro 20 (Dissolved Oxygen)	12G102678	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-23	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.):			5.57-15.57	Total Well Depth (TWD) (ft.):		15.57	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			15	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	0.57	1 casing volume (CV = LWC x C) (gals.):			0.09	5 casing volumes (5 x CV) (gals.):		0.46	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	0.09	0.19	0.28	0.37	0.46			
Time (military)	10:47								
PH (s.u.)	INS.								
Specific Conductivity (µS/cm)	INS.								
Water Temperature (°C)	INS.								
Dissolved Oxygen (mg/L)	INS.								
Turbidity (NTU)	INS.								
Sampling Data									
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	10:47	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	
Notes: No Odor, INS. = Insufficient water to purge or collect field readings _____ _____ _____									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie				
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77				
Quality Assurance											
Meter Name		Serial #:		Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)		15H101448		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)		12G102878		Y or N	Y						
MicroTPI/TPW (Turbidity)		201301183		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-26	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.):				4.86-14.86	Total Well Depth (TWD) (ft.):		14.86		
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):				14.27	Free Product Thickness (ft.):		Not Detected		
Length of water column (LWC = TWD - DGW) (ft.):	0.59	1 casing volume (CV = LWC x C) (gals.):				0.10	5 casing volumes (5 x CV) (gals.):		0.48		
Purging Data											
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling			
Volume Purged (gallons)	0.00	0.10	0.19	0.29	0.38	0.48					
Time (military)	12:10										
PH (s.u.)	INS.										
Specific Conductivity (µS/cm)	INS.										
Water Temperature (°C)	INS.										
Dissolved Oxygen (mg/L)	INS.										
Turbidity (NTU)	INS.										
Sampling Data											
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	12:10	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00		
Notes: No Odor, INS. = Insufficient water to purge or collect field readings 											

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie		
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-27	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.):			5.05-15.05	Total Well Depth (TWD) (ft.):		15.05	
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.):	0.74	1 casing volume (CV = LWC x C) (gals.):			0.12	5 casing volumes (5 x CV) (gals.):		0.60	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	0.12	0.24	0.36	0.48	0.60			
Time (military)	12:30								
PH (s.u.)	INS.								
Specific Conductivity (µS/cm)	INS.								
Water Temperature (°C)	INS.								
Dissolved Oxygen (mg/L)	INS.								
Turbidity (NTU)	INS.								
Sampling Data									
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	12:30	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
Notes: No Odor, INS. = Insufficient water to purge or collect field readings									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie		
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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 N	
YSI Pro 20 (Dissolved Oxygen)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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.):		2.97-12.97		Total Well Depth (TWD) (ft.):		12.97	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):		10.59		Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD - DGW) (ft.):	2.38	1 casing volume (CV = LWC x C) (gals.):		0.39		5 casing volumes (5 x CV) (gals.):		1.94	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	0.39	0.78	1.16	1.55	1.94			
Time (military)	10:15	10:16	10:17	10:18	10:19	10:20			
PH (s.u.)	7.09	7.14	7.21	7.26	7.33	7.38			
Specific Conductivity (µS/cm)	154.7	161.3	169	176.2	183.5	191.9			
Water Temperature (°C)	20.9	20.9	20.9	20.9	20.9	20.9			
Dissolved Oxygen (mg/L)	2.85	2.92	2.98	3.06	3.11	3.14			
Turbidity (NTU)	137.6	150.2	163.7	170.5	184.6	191.7			
Sampling Data									
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	10:20	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged: 2.00	
Notes:									
No Odor									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie		
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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:	TW-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.):			31.00-36.00	Total Well Depth (TWD) (ft.):		36	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			12.26	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	23.74	1 casing volume (CV = LWC x C) (gals.):			3.87	5 casing volumes (5 x CV) (gals.):		19.35	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	3.87	7.74	11.61	15.48	19.35			
Time (military)	12:53	12:57	13:01						
PH (s.u.)	6.51	6.58	6.63						
Specific Conductivity (µS/cm)	51.3	57.4	62.6						
Water Temperature (°C)	21.2	21.2	21.2						
Dissolved Oxygen (mg/L)	1.93	1.98	2.07						
Turbidity (NTU)	50.61	63.42	71.9						
Sampling Data									
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	13:01	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	10.00
Notes:									
Odor, Dry @ 10.00 Gallons									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	8/31/2015	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie	
County:	Anderson	Project Manager:	M. Milenkova	General Weather Conditions:	Overcast	Ambient Air Temp (°F):	77	
Quality Assurance								
Meter Name	Serial #:	Calibration:						
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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
YSI Pro 20 (Dissolved Oxygen)	12G102678	Y or N	Y					
MicroTPI/TPW (Turbidity)	201301183	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:	TW-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.):			31.00-36.00	Total Well Depth (TWD) (ft.):		36
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			11.63	Free Product Thickness (ft.):		Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	24.37	1 casing volume (CV = LWC x C) (gals.):			3.97	5 casing volumes (5 x CV) (gals.):		19.86
Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	3.97	7.94	11.92	15.89	19.86		
Time (military)	11:36	11:40	11:44					
PH (s.u.)	6.20	6.24	6.32					
Specific Conductivity (µS/cm)	113.6	120.4	129.8					
Water Temperature (°C)	20.9	20.9	20.9					
Dissolved Oxygen (mg/L)	2.64	2.73	2.80					
Turbidity (NTU)	108.7	120.2	135.1					
Sampling Data								
Sampled By:	T. Elder, A. Best, P. Wylie	Sampling Time:	11:44	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:
Notes: Odor, Dry @ 10.00 Gallons 								



September 28, 2015

Re: Treatment of Purge Water
Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID Number 03538
MECI Project Number 15-5233

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.

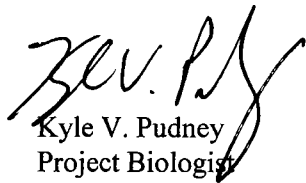
September 28, 2015

A total of 91.00 gallons were treated on August 31, 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.



Kyle V. Pudney
Project Biologist

Company: SCDHEC - UST		Report To: J. Bryant - UST	Attention:	1999523	
Address: 2600 Bull Street		Copy To:	Company Name:	REGULATORY AGENCY	
Columbia, SC 29201			Address:	☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☒ UST ☐ RCRA ☐ OTHER _____	
Email To: bryant.jc@dhec.sc.gov		Purchase Order No.: 4600422513	Pace Quote Reference:		
Phone: 803-898-6666	Fax: 803-898-6673	Project Name: Coastal 76 Truck Stop	Pace Project Manager: T. Carter	Site Location	
Requested Due Date/TAT:		Project Number:	Pace Profile #:	STATE: SC	Florence

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Peter J. Wyke					
SIGNATURE of SAMPLER: [Signature] DATE Signed (MM/DD/YY): 08/31/15					

1999524

Invoice Information:

Project Number:

STATE:

Florence

No odor
Strong odor, sheen
No odor
No odor
No odor
No odor

No odor
No odor
No ~~odor~~ sample
No sample
No odor

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION

DATE _____

TIME

ACCEPTED BY / AFFILIATION

DATE _____

TIME

SAMPLE CONDITIONS

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Peter TW 16

SIGNATURE of SAMPLER: *[Signature]*

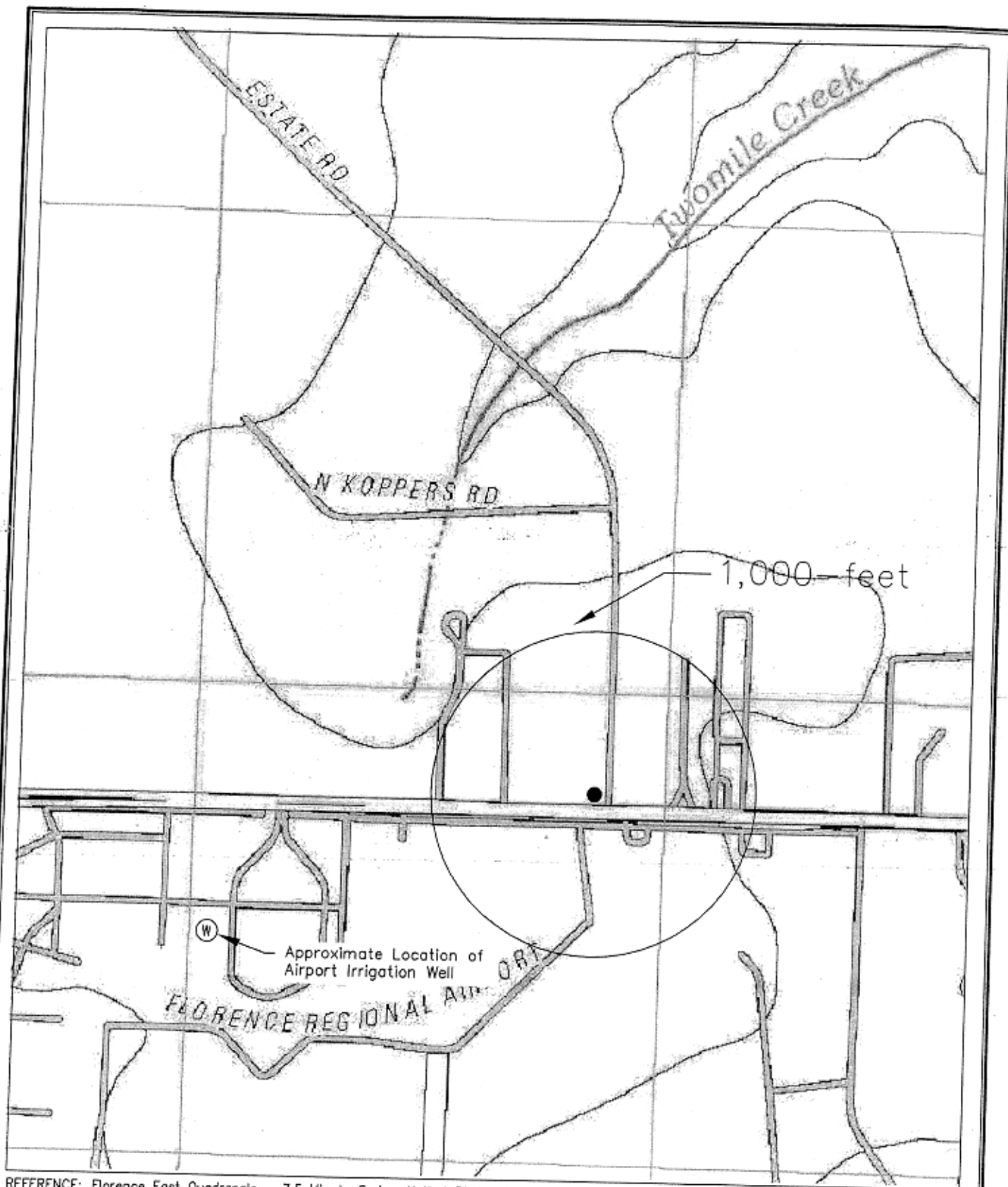
DATE Signed 02/21/15

Temp in °C

Received on
Ice (Y/N)

Custody
Sealed Cooler

1



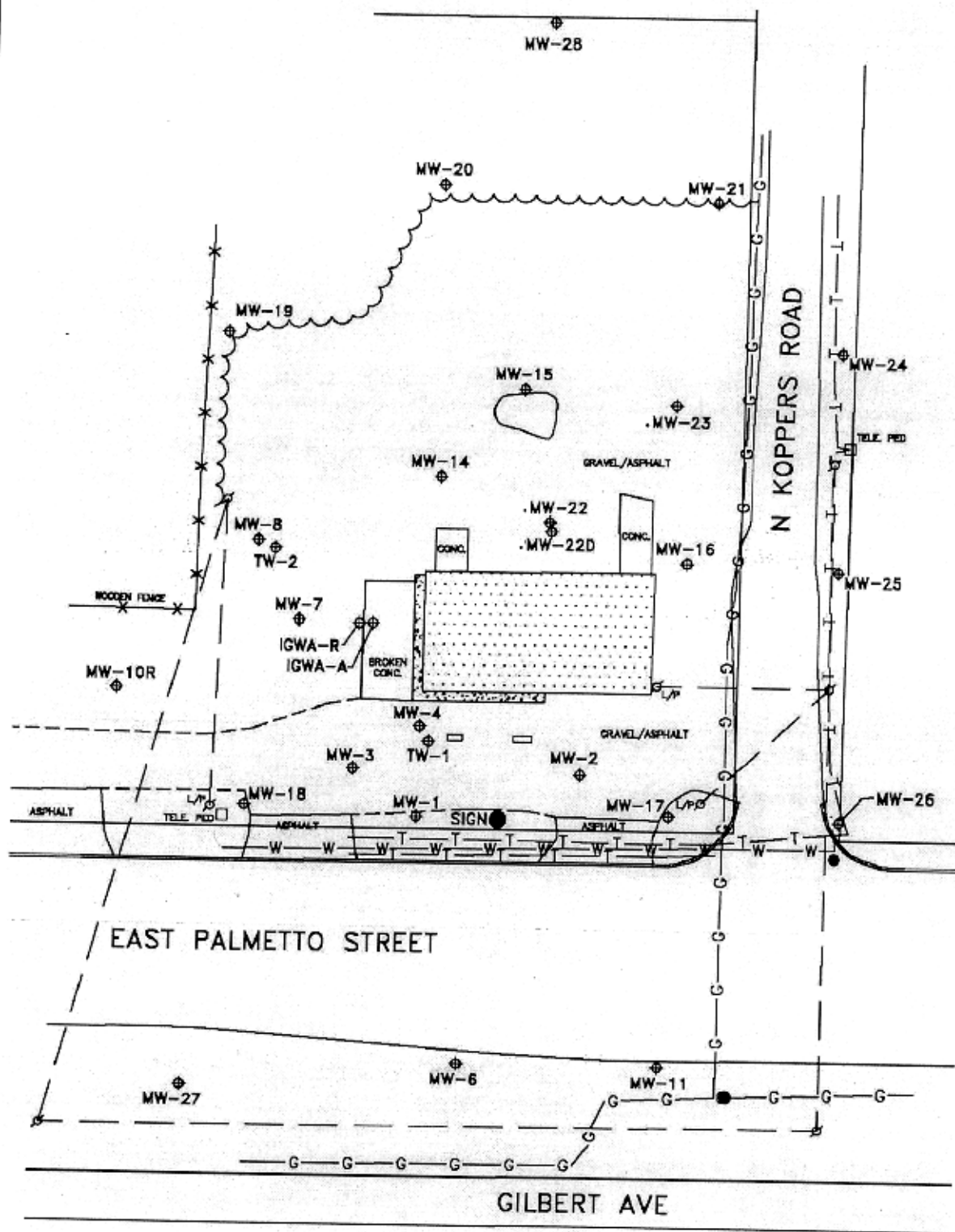
REFERENCE: Florence East Quadrangle - 7.5 Minute Series, United States Geological Survey, 2011 (Contour Interval - 10 feet)

1000 500 0 1000
APPROXIMATE SCALE IN FEET

- Approximate Site Location
- (W) Private Water Supply Well



Title	Topographic Site Location Map		
Project	Coastal 76 Truck Stop (UST Permit #03538) 2513 East Palmetto Street Florence, South Carolina Florence County		
Date	07/24/2014	 petra-tech ENVIRONMENTAL, LLC ENGINEERS & CONSULTANTS	Figure No. 1
REV.	12/12/2014		
Job No.	J14-070-A		



REFERENCE: Site Survey by Souther Land Surveying dated 5 December 2014



Groundwater Monitoring Well

40 20 0 40
APPROXIMATE SCALE IN FEET



Title	Site Base Map
Project	Coastal 75 Truck stop (UST Permit #03038) 2503 East Palmetto Street Florence, South Carolina Florence County
Date	12/12/2014
Job No.	214-010-A
	petra-tech ENVIRONMENTAL, LLC ENGINEERS & CONSULTANTS
Figure No.	3

UST Permit Number : Coastal 76 Truck Stop UST Facility: 03538																										
MW ID	Date	Screened Interval	TOC Elevation	GW Depth	GW elev	FP	B	T	E	X	MBE	Napth	EDB	1,2 DCA	ETBE 47ug/L	ETBA	TAME 128ug/L	DIPE 150ug/L	Ethanol 10000ug/L	TBF	TBA 1400ug/L	TAA 240ug/L	lead			
IGWA	09/26/1999	TD:18.74	145.19	NA	NA	0.21	Not Sampled - Free Phase Petroleum Product																			
	02/20/2012		145.19	DRY	NA	ND	Not Sampled - DRY																			
	06/26/2012		145.19	11.98	133.21	ND	Not Sampled																			
	12/03/2014		145.19	12.15	133.04	ND	1300	600	630	1100	<40	310	2	<15	<20	<100	<20	<40	<3300	<100	<670	780J	65			
	12/13/2014		145.19	12.15	133.04	ND	Gauge Well Only																			
	8/31/2015		145.19	13.78	131.41	ND	1730	7710	933	11500	<100	566	0.26	<100	<200	<200	<100	<4000	<1000	<2000	2740	NT				
IGWA-R	06/26/2012	11.00 - 21.00	145.14	14.10	131.04	ND	1670	7540	792	10200	<100	588	0.81	<100	<200	<200	<100	<4000	<1000	<2000	2810	NT				
	12/03/2014		145.14	11.93	133.21	ND	130	790	160	980	<25	160	0.71	<25	NT	NT	NT	NT	NT	NT	NT	9.0J				
	12/13/2014		145.14	12.10	133.04	ND	2000	9400	1800	7000	<40	530	3.2	<15	<20	<100	<20	<40	<3300	<100	<670	730J	51			
	8/31/2015		145.14	NL	NL	ND	Gauge Well Only																			
	09/29/1999		145.87	13.31	132.58	ND	Not Located - Blocked by Dumpster																			
	02/20/2012		145.87	DRY	DRY	ND	Not Sampled - DRY																			
03538-MW01	06/26/2012	TD:17.80	145.87	14.71	131.18	0.02	Not Sampled - Free Phase Petroleum Product																			
	12/03/2014		145.87	12.54	133.33	ND	17000	27000	1500	15000	250J	820	210	<74	<100	<500	<100	<200	<17000	<500	<3400	8200J	830			
	12/13/2014		145.87	12.75	133.12	ND	Gauge Well Only																			
	8/31/2015		145.87	12.31	133.58	ND	4300	7020	976	5230	288	332	6.2	21.8J	<100	<1000	<100	<50	<2000	<500	<1000	4220	NT			
	09/29/1999		145.19	13.83	131.58	ND	18300	28300	3360	15270	19500	670	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	403		
	02/20/2012		145.19	DRY	DRY	ND	Not Sampled - DRY																			
03538-MW02	06/26/2012	TD:18.30	145.19	14.04	131.15	ND	9800	17000	1300	11000	1100	370	65	240J	<100	NT	NT	NT	NT	NT	NT	NT	NT	390		
	12/03/2014		145.19	12.34	132.85	ND	4800	8200	940	4500	250	280	28	<15	<20	<100	<20	<40	<3300	<100	<670	4200	150			
	12/13/2014		145.19	12.36	132.83	ND	Gauge Well Only																			
	8/31/2015		145.19	12.17	133.02	ND	4780	7880	996	5870	317	355	8.4	21.9J	<50	<500	<50	<25	<1000	<250	420J	4600	NT			
	09/29/1999		145.51	13.13	132.38	ND	8600	18900	2380	14020	31.5	570	81.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	116		
	02/20/2012		145.51	NA	NA	0.40	Not Sampled - Free Phase Petroleum Product																			
03538-MW03	06/26/2012	TD:18.20	145.51	14.19	131.32	0.01	Not Sampled - Free Phase Petroleum Product																			
	12/03/2014		145.51	12.87	132.84	DUP	2050	10050	1600	11000	<40	740	3.5	<15	<20	<100	<20	<40	<3300	<100	<670	2200	100			
	12/13/2014		DUP	DUP	DUP	2050	11000	1700	10000	<40	750	3.2	<15	<20	<100	<20	<40	<3300	<100	<670	1900J	100				
	8/31/2015		145.51	12.39	133.12	ND	Gauge Well Only																			
	09/29/1999		145.51	12.06	133.45	ND	4220	7460	972	5810	312	375	6.6	19.9J	<50	<500	<50	<25	<1000	<250	431J	5120	NT			
	02/20/2012		19300	34300	4830	21500	4530	800	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	113		
03538-MW04	06/26/2012	TD:18.35	145.58	NA	N/A	0.20	Not Sampled - Free Phase Petroleum Product																			
	12/03/2014		145.58	14.35	131.21	ND	8500	22000	2100	17000	<500	1100	14	<500	NT	NT	NT	NT	NT	NT	NT	NT	440			
	12/13/2014		145.58	12.26	133.30	ND	3600	9100	810	10000	<80	710	2.2	<29	<40	<200	<40	<80	<8600	<200	<1300	2808J	110			
	8/31/2015		145.58	12.43	133.13	ND	4000	9800	820	8500	<40	640	2.0	<15	<20	<100	<20	<40	<3300	<100	<670	2800	130			
	09/29/1999		145.58	12.24	133.32	ND	Gauge Well Only																			
	02/20/2012		4390	7900	953	5940	301	368	8.8	19.8J	<50	<500	<50	<25	<1000	<250	438J	5100	NT							
03538-MW05	06/26/2012	8.29-18.29	NA	12.54	NA	ND	1590	7410	1850	10320	13.1	560	11.9	NT	NT	NT	NT	NT	NT	NT	NT	NT	43			
	02/20/2012		NA	17.05	NA	ND	940	5100	990	5800	<5.0	210	0.45	12	<0.20	<1.0	<0.020	<0.40	<33	<1.0	8.9J	180	670			
	06/26/2012		NA	13.90	NA	ND	810	7400	1500	1000	<200	770	0.88	<200	NT	NT	NT	NT	NT	NT	NT	NT	31			
	12/03/2014		NA	NL	NL	ND	Not Located - Underneath Roll-off Container																			
	12/13/2014		NA	NL	NL	ND	Not Located - Underneath Roll-off Container																			
	8/31/2015		NA	NL	NL	ND	Not Located - Underneath Roll-off Container																			
03538-MW06	09/29/1999	8.29-18.29	146.04	13.04	133.50	ND	ND	5	5.72	25.93	ND	7.8	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	23		
	02/20/2012		146.04	DRY	DRY	ND	Not Sampled - DRY																			
	06/26/2012		146.04	14.45	131.39	ND	<5.2	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	<5.0	NT	NT	NT	NT	NT	NT	NT	NT	9.7J			
	12/03/2014		146.04	12.87	133.37	ND	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.020	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	2.3J			
	12/13/2014		146.04	12.91	133.13	ND	Gauge Well Only																			
	8/31/2015		146.04	12.54	133.50	ND	<5	<5	<5	<10	<5	<5	<0.019	<5	<10	<100	<10	<5.0	<200	<50	<100	<100	NT			
03538-MW07	09/29/1999	8.38-18.38	144.61	NA	NA	ND	ND	5440	1750	7350	979	530	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	25		
	02/20/2012		144.61	16.54	128.07	ND	180	870	740	2500	<5.0	210	<0.020	4.1J	<0.020	2.3J	<0.020	<0.40	<33	<1.0	8.9J	140	280			
	06/26/2012		144.61	13.45	131.16	ND	390	3000	1700	7500	<200	800	0.063	<200	NT	NT	NT	NT	NT	NT	NT	NT	25			
	12/03/2014		144.61	11.20	133.41	ND	210	740	1300	3700	<20	270	<0.020	<7.4	<10	<50	<10	<20	<1700	<50	<340	<340	8.1J			
	12/13/2014		144.61	11.47	133.14	ND	Gauge Well Only																			
	8/31/2015		144.61	11.15	133.46	ND	180	475	1090	2320	<25	283	<0.019	<25	<50	<500	<50	<25	<1000	<250	<500	647	NT			
03538-MW08	09/29/1999	8.29-18.29	143.78	11.54	132.24	ND	1970	7550	877	12000	<25	478	0.86	<25	<50	<500	<50	<25	<1000	<250	<500	1410	NT			
	02/20/2012		143.78	15.59	128.19	ND	ND	95.1	1110	5890	ND	410	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	16			
	06/26/2012		143.78	12.62	131.16	ND	<0.20	<1.7	<1.7	3.4J	<0.40	4.1J	<0.019	<0.30	<0.20	<1.0	<0.20	<0.40	<33	<1.0	18J	72J	140			
	12/03/2014		143.78	10.43	133.35	ND	<5.0	<5.0	8.8	29	<5.0	20	<0.021	<5.0	NT	NT	NT	NT	NT	NT	NT	NT	20			
	12/13/2014		143.78	10.61	133.17	ND	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.020	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	31			
	8/31/2015		143.78	10.32	133.48	ND	Gauge Well Only																			
03538-MW09	09/29/1999	8.33-18.33	NA	12.08	NA	ND	<5	<5	<5	<10	<5	<5	<0.020	<5	<10	<100	<10	<5.0	<200	<50	<100	<100	NT			
	02/20/2012		NA	NL	NL	ND	ND	ND	ND	1.48	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	12		
	06/26/2012		NA	NL	NL	ND	Not Located																			
	12/03/2014		NA	NL	NL	ND	Not Located																			
	12/13/2014		NA	NL	NL	ND	Not Located																			
	8/31/2015		NA	NL	NL	ND	Not Located																			
03538-MW10	09/29/1999	TD:18.25	NA	NA	NA	ND	ND	4.09	2.63	7.43	14.15	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	13		
	02/20/2012		NA	15.55	NA	ND	<0.20	<1.7	<1.7	<1.7	<0.40	<1.7	<0.023	<0.30	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	3.9			
	06/26/2012		NA	12.41	NA	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	<5.0	NT	NT	NT	NT	NT	NT	NT	NT	11			
	12/03/2014		NA	NL	NL	ND	Not Located																			
	12/13/2014		NA	NL	NL	ND	Not Located																			
	8/31/2015		NA	NL	NL	ND	Not Located																			
03538-MW10R	12/03/2014	1.81-11.61	143.81	10.35	133.48	ND	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.021	<0.15	<0.20	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	28			
	12/13/2014		143.81	10.82	133.19	ND	Gauge Well Only																			
	8/31/2015		143.81	10.29	133.52	ND	<5	<5	<5	<10	<5	<5	<0.019	<5	<10	<100	<10	<5.0	<200	<50	<100	<100	NT			
	09/29/1999		145.68	12.75	132.93	ND	10																			

September 08, 2015



Mr. John Bryant
SCDHEC
UST Program
2600 Bull Street
Columbia, SC 29201

RE: Project: COASTAL 76 TRUCK STOP
Pace Project No.: 92265825

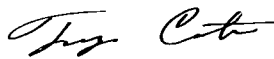
Dear Mr. Bryant:

Enclosed are the analytical results for sample(s) received by the laboratory on September 01, 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,



Trey Carter
treycarter@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: COASTAL 76 TRUCK STOP
Pace Project No.: 92265825

Charlotte Certification IDs

9800 Kinsey 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: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92265825001	MW-1	Water	08/31/15 13:07	09/01/15 14:55
92265825002	MW-2	Water	08/31/15 12:42	09/01/15 14:55
92265825003	MW-3	Water	08/31/15 13:13	09/01/15 14:55
92265825004	MW-4	Water	08/31/15 12:51	09/01/15 14:55
92265825005	MW-6	Water	08/31/15 11:27	09/01/15 14:55
92265825006	MW-7	Water	08/31/15 11:55	09/01/15 14:55
92265825007	MW-8	Water	08/31/15 11:33	09/01/15 14:55
92265825008	MW-10R	Water	08/31/15 11:52	09/01/15 14:55
92265825009	MW-11	Water	08/31/15 12:18	09/01/15 14:55
92265825010	MW-14	Water	08/31/15 11:23	09/01/15 14:55
92265825011	MW-15	Water	08/31/15 10:44	09/01/15 14:55
92265825012	MW-16	Water	08/31/15 10:59	09/01/15 14:55
92265825013	MW-17	Water	08/31/15 12:34	09/01/15 14:55
92265825014	MW-18	Water	08/31/15 13:15	09/01/15 14:55
92265825015	MW-19	Water	08/31/15 10:35	09/01/15 14:55
92265825016	MW-20	Water	08/31/15 10:31	09/01/15 14:55
92265825017	MW-21	Water	08/31/15 10:26	09/01/15 14:55
92265825018	MW-22	Water	08/31/15 11:18	09/01/15 14:55
92265825019	MW-22D	Water	08/31/15 11:13	09/01/15 14:55
92265825020	MW-23	Water	08/31/15 10:47	09/01/15 14:55
92265825021	MW-26	Water	08/31/15 12:10	09/01/15 14:55
92265825022	MW-27	Water	08/31/15 12:30	09/01/15 14:55
92265825023	MW-28	Water	08/31/15 10:20	09/01/15 14:55
92265825024	TW-1	Water	08/31/15 13:01	09/01/15 14:55
92265825025	TW-2	Water	08/31/15 11:44	09/01/15 14:55
92265825026	IGWA-A	Water	08/31/15 12:03	09/01/15 14:55
92265825027	FIELD BLANK	Water	08/31/15 13:20	09/01/15 14:55
92265825028	MW-7 DUP	Water	08/31/15 11:55	09/01/15 14:55
92265825029	IGWA-A DUP	Water	08/31/15 12:03	09/01/15 14:55
92265825030	TRIP BLANK	Water	08/31/15 13:21	09/01/15 14:55

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SAMPLE ANALYTE COUNT

Project: COASTAL 76 TRUCK STOP
Pace Project No.: 92265825

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92265825001	MW-1	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92265825002	MW-2	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92265825003	MW-3	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92265825004	MW-4	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92265825005	MW-6	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92265825006	MW-7	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92265825007	MW-8	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92265825008	MW-10R	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92265825009	MW-11	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92265825010	MW-14	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92265825011	MW-15	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92265825012	MW-16	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92265825013	MW-17	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92265825014	MW-18	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92265825015	MW-19	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92265825016	MW-20	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92265825017	MW-21	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92265825018	MW-22	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92265825019	MW-22D	EPA 8011	RES	2	PASI-C

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SAMPLE ANALYTE COUNT

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92265825020	MW-23	EPA 8260	CCL	20	PASI-C
		EPA 8011	RES	2	PASI-C
92265825021	MW-26	EPA 8260	CCL	20	PASI-C
		EPA 8011	RES	2	PASI-C
92265825022	MW-27	EPA 8260	CCL	20	PASI-C
		EPA 8011	RES	2	PASI-C
92265825023	MW-28	EPA 8260	CCL	20	PASI-C
		EPA 8011	RES	2	PASI-C
92265825024	TW-1	EPA 8260	CCL	20	PASI-C
		EPA 8011	RES	2	PASI-C
92265825025	TW-2	EPA 8260	CCL	20	PASI-C
		EPA 8011	RES	2	PASI-C
92265825026	IGWA-A	EPA 8260	CCL	20	PASI-C
		EPA 8011	RES	2	PASI-C
92265825027	FIELD BLANK	EPA 8260	CCL	20	PASI-C
		EPA 8011	RES	2	PASI-C
92265825028	MW-7 DUP	EPA 8260	CCL	20	PASI-C
		EPA 8011	RES	2	PASI-C
92265825029	IGWA-A DUP	EPA 8260	CCL	20	PASI-C
		EPA 8011	RES	2	PASI-C
92265825030	TRIP BLANK	EPA 8260	CCL	20	PASI-C
		EPA 8260	CCL	20	PASI-C

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SUMMARY OF DETECTION

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92265825001	MW-1					
EPA 8011	1,2-Dibromoethane (EDB)	6.2	ug/L	0.19	09/03/15 21:34	
EPA 8260	tert-Amyl Alcohol	4220	ug/L	1000	09/02/15 16:18	
EPA 8260	Benzene	4300	ug/L	250	09/03/15 12:06	
EPA 8260	1,2-Dichloroethane	21.6J	ug/L	50.0	09/02/15 16:18	
EPA 8260	Ethylbenzene	976	ug/L	50.0	09/02/15 16:18	
EPA 8260	Methyl-tert-butyl ether	288	ug/L	50.0	09/02/15 16:18	
EPA 8260	Naphthalene	332	ug/L	50.0	09/02/15 16:18	
EPA 8260	Toluene	7020	ug/L	250	09/03/15 12:06	
EPA 8260	Xylene (Total)	5230	ug/L	100	09/02/15 16:18	
EPA 8260	m&p-Xylene	3500	ug/L	100	09/02/15 16:18	
EPA 8260	o-Xylene	1730	ug/L	50.0	09/02/15 16:18	
92265825002	MW-2					
EPA 8011	1,2-Dibromoethane (EDB)	8.4	ug/L	0.20	09/03/15 21:54	
EPA 8260	tert-Amyl Alcohol	4600	ug/L	500	09/02/15 16:35	
EPA 8260	Benzene	4760	ug/L	500	09/03/15 12:23	
EPA 8260	tert-Butyl Alcohol	420J	ug/L	500	09/02/15 16:35	
EPA 8260	1,2-Dichloroethane	21.9J	ug/L	25.0	09/02/15 16:35	
EPA 8260	Ethylbenzene	996	ug/L	25.0	09/02/15 16:35	
EPA 8260	Methyl-tert-butyl ether	317	ug/L	25.0	09/02/15 16:35	
EPA 8260	Naphthalene	355	ug/L	25.0	09/02/15 16:35	
EPA 8260	Toluene	7890	ug/L	500	09/03/15 12:23	
EPA 8260	Xylene (Total)	5870	ug/L	1000	09/03/15 12:23	
EPA 8260	m&p-Xylene	3970	ug/L	1000	09/03/15 12:23	
EPA 8260	o-Xylene	1900	ug/L	500	09/03/15 12:23	
92265825003	MW-3					
EPA 8011	1,2-Dibromoethane (EDB)	6.6	ug/L	0.20	09/03/15 22:13	
EPA 8260	tert-Amyl Alcohol	5120	ug/L	500	09/02/15 16:51	
EPA 8260	Benzene	4220	ug/L	500	09/03/15 12:40	
EPA 8260	tert-Butyl Alcohol	431J	ug/L	500	09/02/15 16:51	
EPA 8260	1,2-Dichloroethane	19.9J	ug/L	25.0	09/02/15 16:51	
EPA 8260	Ethylbenzene	972	ug/L	25.0	09/02/15 16:51	
EPA 8260	Methyl-tert-butyl ether	312	ug/L	25.0	09/02/15 16:51	
EPA 8260	Naphthalene	375	ug/L	25.0	09/02/15 16:51	
EPA 8260	Toluene	7460	ug/L	500	09/03/15 12:40	
EPA 8260	Xylene (Total)	5810	ug/L	1000	09/03/15 12:40	
EPA 8260	m&p-Xylene	3880	ug/L	1000	09/03/15 12:40	
EPA 8260	o-Xylene	1920	ug/L	500	09/03/15 12:40	
92265825004	MW-4					
EPA 8011	1,2-Dibromoethane (EDB)	6.9	ug/L	0.19	09/03/15 22:32	
EPA 8260	tert-Amyl Alcohol	5100	ug/L	500	09/02/15 17:08	
EPA 8260	Benzene	4390	ug/L	500	09/03/15 12:57	
EPA 8260	tert-Butyl Alcohol	439J	ug/L	500	09/02/15 17:08	
EPA 8260	1,2-Dichloroethane	19.6J	ug/L	25.0	09/02/15 17:08	
EPA 8260	Ethylbenzene	953	ug/L	25.0	09/02/15 17:08	
EPA 8260	Methyl-tert-butyl ether	301	ug/L	25.0	09/02/15 17:08	
EPA 8260	Naphthalene	366	ug/L	25.0	09/02/15 17:08	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: COASTAL 76 TRUCK STOP
Pace Project No.: 92265825

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92265825004	MW-4					
EPA 8260	Toluene	7900	ug/L	500	09/03/15 12:57	
EPA 8260	Xylene (Total)	5940	ug/L	1000	09/03/15 12:57	
EPA 8260	m&p-Xylene	3970	ug/L	1000	09/03/15 12:57	
EPA 8260	o-Xylene	1980	ug/L	500	09/03/15 12:57	
92265825006	MW-7					
EPA 8260	tert-Amyl Alcohol	647	ug/L	500	09/02/15 17:25	
EPA 8260	Benzene	180	ug/L	25.0	09/02/15 17:25	
EPA 8260	Ethylbenzene	1090	ug/L	50.0	09/03/15 13:14	
EPA 8260	Naphthalene	283	ug/L	25.0	09/02/15 17:25	
EPA 8260	Toluene	475	ug/L	25.0	09/02/15 17:25	
EPA 8260	Xylene (Total)	2320	ug/L	50.0	09/02/15 17:25	
EPA 8260	m&p-Xylene	1640	ug/L	50.0	09/02/15 17:25	
EPA 8260	o-Xylene	682	ug/L	25.0	09/02/15 17:25	
92265825010	MW-14					
EPA 8260	Benzene	3.4J	ug/L	5.0	09/02/15 18:16	
EPA 8260	Ethylbenzene	10.9	ug/L	5.0	09/02/15 18:16	
EPA 8260	Naphthalene	8.4	ug/L	5.0	09/02/15 18:16	
EPA 8260	m&p-Xylene	5.4J	ug/L	10.0	09/02/15 18:16	
EPA 8260	o-Xylene	2.5J	ug/L	5.0	09/02/15 18:16	
92265825012	MW-16					
EPA 8011	1,2-Dibromoethane (EDB)	0.48	ug/L	0.020	09/03/15 10:06	
EPA 8260	tert-Amyl Alcohol	678	ug/L	100	09/02/15 21:39	
EPA 8260	Benzene	759	ug/L	50.0	09/03/15 14:55	
EPA 8260	1,2-Dichloroethane	1.8J	ug/L	5.0	09/02/15 21:39	
EPA 8260	Ethylbenzene	286	ug/L	50.0	09/03/15 14:55	
EPA 8260	Methyl-tert-butyl ether	10.5	ug/L	5.0	09/02/15 21:39	
EPA 8260	Naphthalene	70.1	ug/L	5.0	09/02/15 21:39	
EPA 8260	Toluene	138	ug/L	5.0	09/02/15 21:39	
EPA 8260	Xylene (Total)	211	ug/L	10.0	09/02/15 21:39	
EPA 8260	m&p-Xylene	142	ug/L	10.0	09/02/15 21:39	
EPA 8260	o-Xylene	68.5	ug/L	5.0	09/02/15 21:39	
92265825013	MW-17					
EPA 8011	1,2-Dibromoethane (EDB)	9.5	ug/L	0.40	09/03/15 22:51	
EPA 8260	tert-Amyl Alcohol	4930	ug/L	500	09/02/15 17:42	
EPA 8260	Benzene	5020	ug/L	500	09/03/15 13:31	
EPA 8260	tert-Butyl Alcohol	421J	ug/L	500	09/02/15 17:42	
EPA 8260	1,2-Dichloroethane	20.5J	ug/L	25.0	09/02/15 17:42	
EPA 8260	Ethylbenzene	1200	ug/L	500	09/03/15 13:31	
EPA 8260	Methyl-tert-butyl ether	331	ug/L	25.0	09/02/15 17:42	
EPA 8260	Naphthalene	391	ug/L	25.0	09/02/15 17:42	
EPA 8260	Toluene	8730	ug/L	500	09/03/15 13:31	
EPA 8260	Xylene (Total)	6430	ug/L	1000	09/03/15 13:31	
EPA 8260	m&p-Xylene	4320	ug/L	1000	09/03/15 13:31	
EPA 8260	o-Xylene	2110	ug/L	500	09/03/15 13:31	

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SUMMARY OF DETECTION

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92265825014	MW-18					
EPA 8011	1,2-Dibromoethane (EDB)	4.3	ug/L	0.22	09/03/15 23:10	
EPA 8260	tert-Amyl Alcohol	25200	ug/L	20000	09/02/15 17:59	
EPA 8260	Benzene	2720	ug/L	1000	09/02/15 17:59	
EPA 8260	Ethylbenzene	2050	ug/L	1000	09/02/15 17:59	
EPA 8260	Naphthalene	2450	ug/L	1000	09/02/15 17:59	
EPA 8260	Toluene	14500	ug/L	1000	09/02/15 17:59	
EPA 8260	Xylene (Total)	14700	ug/L	2000	09/02/15 17:59	
EPA 8260	m&p-Xylene	9830	ug/L	2000	09/02/15 17:59	
EPA 8260	o-Xylene	4870	ug/L	1000	09/02/15 17:59	
92265825020	MW-23					
EPA 8260	Naphthalene	4.2J	ug/L	5.0	09/02/15 21:22	
EPA 8260	Toluene	16.4	ug/L	5.0	09/02/15 21:22	
92265825021	MW-26					
EPA 8260	Naphthalene	4.0J	ug/L	5.0	09/02/15 18:33	
92265825023	MW-28					
EPA 8260	Naphthalene	4.2J	ug/L	5.0	09/02/15 18:50	
EPA 8260	o-Xylene	2.1J	ug/L	5.0	09/02/15 18:50	
92265825024	TW-1					
EPA 8011	1,2-Dibromoethane (EDB)	0.13	ug/L	0.019	09/03/15 21:25	
EPA 8260	Benzene	564	ug/L	100	09/02/15 19:57	
EPA 8260	Ethylbenzene	1430	ug/L	100	09/02/15 19:57	
EPA 8260	Naphthalene	525	ug/L	100	09/02/15 19:57	
EPA 8260	Toluene	4820	ug/L	250	09/03/15 13:47	
EPA 8260	Xylene (Total)	7990	ug/L	200	09/02/15 19:57	
EPA 8260	m&p-Xylene	5570	ug/L	200	09/02/15 19:57	
EPA 8260	o-Xylene	2420	ug/L	100	09/02/15 19:57	
92265825026	IGWA-A					
EPA 8011	1,2-Dibromoethane (EDB)	0.26	ug/L	0.019	09/03/15 22:26	
EPA 8260	tert-Amyl Alcohol	2740	ug/L	2000	09/02/15 20:14	
EPA 8260	Benzene	1730	ug/L	100	09/02/15 20:14	
EPA 8260	Ethylbenzene	933	ug/L	100	09/02/15 20:14	
EPA 8260	Naphthalene	566	ug/L	100	09/02/15 20:14	
EPA 8260	Toluene	7710	ug/L	250	09/03/15 14:04	
EPA 8260	Xylene (Total)	11500	ug/L	500	09/03/15 14:04	
EPA 8260	m&p-Xylene	7130	ug/L	200	09/02/15 20:14	
EPA 8260	o-Xylene	4390	ug/L	250	09/03/15 14:04	
92265825028	MW-7 DUP					
EPA 8011	1,2-Dibromoethane (EDB)	0.86	ug/L	0.097	09/04/15 17:06	C2
EPA 8260	tert-Amyl Alcohol	1410	ug/L	500	09/02/15 20:31	
EPA 8260	Benzene	1970	ug/L	250	09/03/15 14:21	
EPA 8260	Ethylbenzene	877	ug/L	25.0	09/02/15 20:31	
EPA 8260	Naphthalene	478	ug/L	25.0	09/02/15 20:31	
EPA 8260	Toluene	7550	ug/L	250	09/03/15 14:21	
EPA 8260	Xylene (Total)	12000	ug/L	500	09/03/15 14:21	

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SUMMARY OF DETECTION

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92265825028	MW-7 DUP					
EPA 8260	m&p-Xylene	7610	ug/L	500	09/03/15 14:21	
EPA 8260	o-Xylene	4420	ug/L	250	09/03/15 14:21	
92265825029	IGWA-A DUP					
EPA 8011	1,2-Dibromoethane (EDB)	0.81	ug/L	0.038	09/04/15 17:25	C2
EPA 8260	tert-Amyl Alcohol	2810	ug/L	2000	09/02/15 20:48	
EPA 8260	Benzene	1670	ug/L	100	09/02/15 20:48	
EPA 8260	Ethylbenzene	792	ug/L	100	09/02/15 20:48	
EPA 8260	Naphthalene	588	ug/L	100	09/02/15 20:48	
EPA 8260	Toluene	7540	ug/L	250	09/03/15 14:38	
EPA 8260	Xylene (Total)	10200	ug/L	200	09/02/15 20:48	
EPA 8260	m&p-Xylene	6300	ug/L	200	09/02/15 20:48	
EPA 8260	o-Xylene	3860	ug/L	100	09/02/15 20:48	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: MW-1		Lab ID: 92265825001		Collected: 08/31/15 13:07		Received: 09/01/15 14:55		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)	6.2	ug/L	0.19	0.19	10	09/02/15 16:49	09/03/15 21:34	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		10	09/02/15 16:49	09/03/15 21:34	301-79-56	S4
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	4220	ug/L	1000	768	10		09/02/15 16:18	75-85-4	
tert-Amylmethyl ether	ND	ug/L	100	34.0	10		09/02/15 16:18	994-05-8	
Benzene	4300	ug/L	250	85.0	50		09/03/15 12:06	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1000	321	10		09/02/15 16:18	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1000	577	10		09/02/15 16:18	75-65-0	
tert-Butyl Formate	ND	ug/L	500	73.0	10		09/02/15 16:18	762-75-4	
1,2-Dichloroethane	21.6J	ug/L	50.0	18.0	10		09/02/15 16:18	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	17.0	10		09/02/15 16:18	108-20-3	
Ethanol	ND	ug/L	2000	1380	10		09/02/15 16:18	64-17-5	
Ethylbenzene	976	ug/L	50.0	16.0	10		09/02/15 16:18	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	100	36.0	10		09/02/15 16:18	637-92-3	
Methyl-tert-butyl ether	288	ug/L	50.0	17.0	10		09/02/15 16:18	1634-04-4	
Naphthalene	332	ug/L	50.0	20.0	10		09/02/15 16:18	91-20-3	
Toluene	7020	ug/L	250	80.0	50		09/03/15 12:06	108-88-3	
Xylene (Total)	5230	ug/L	100	27.0	10		09/02/15 16:18	1330-20-7	
m&p-Xylene	3500	ug/L	100	31.0	10		09/02/15 16:18	179601-23-1	
o-Xylene	1730	ug/L	50.0	16.0	10		09/02/15 16:18	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		10		09/02/15 16:18	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		10		09/02/15 16:18	17060-07-0	
Toluene-d8 (S)	100	%	70-130		10		09/02/15 16:18	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: MW-2		Lab ID: 92265825002		Collected: 08/31/15 12:42		Received: 09/01/15 14:55		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)	8.4	ug/L	0.20	0.20	10	09/02/15 16:49	09/03/15 21:54	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		10	09/02/15 16:49	09/03/15 21:54	301-79-56	S4
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	4600	ug/L	500	384	5		09/02/15 16:35	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	17.0	5		09/02/15 16:35	994-05-8	
Benzene	4760	ug/L	500	170	100		09/03/15 12:23	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	160	5		09/02/15 16:35	624-95-3	
tert-Butyl Alcohol	420J	ug/L	500	288	5		09/02/15 16:35	75-65-0	
tert-Butyl Formate	ND	ug/L	250	36.5	5		09/02/15 16:35	762-75-4	
1,2-Dichloroethane	21.9J	ug/L	25.0	9.0	5		09/02/15 16:35	107-06-2	
Diisopropyl ether	ND	ug/L	25.0	8.5	5		09/02/15 16:35	108-20-3	
Ethanol	ND	ug/L	1000	689	5		09/02/15 16:35	64-17-5	
Ethylbenzene	996	ug/L	25.0	8.0	5		09/02/15 16:35	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	18.0	5		09/02/15 16:35	637-92-3	
Methyl-tert-butyl ether	317	ug/L	25.0	8.5	5		09/02/15 16:35	1634-04-4	
Naphthalene	355	ug/L	25.0	10.0	5		09/02/15 16:35	91-20-3	
Toluene	7890	ug/L	500	160	100		09/03/15 12:23	108-88-3	
Xylene (Total)	5870	ug/L	1000	270	100		09/03/15 12:23	1330-20-7	
m&p-Xylene	3970	ug/L	1000	310	100		09/03/15 12:23	179601-23-1	
o-Xylene	1900	ug/L	500	160	100		09/03/15 12:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		5		09/02/15 16:35	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		5		09/02/15 16:35	17060-07-0	
Toluene-d8 (S)	103	%	70-130		5		09/02/15 16:35	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP
Pace Project No.: 92265825

Sample: MW-3		Lab ID: 92265825003		Collected: 08/31/15 13:13		Received: 09/01/15 14:55		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)	6.6	ug/L	0.20	0.20	10	09/02/15 16:49	09/03/15 22:13	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		10	09/02/15 16:49	09/03/15 22:13	301-79-56	S4
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	5120	ug/L	500	384	5		09/02/15 16:51	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	17.0	5		09/02/15 16:51	994-05-8	
Benzene	4220	ug/L	500	170	100		09/03/15 12:40	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	160	5		09/02/15 16:51	624-95-3	
tert-Butyl Alcohol	431J	ug/L	500	288	5		09/02/15 16:51	75-65-0	
tert-Butyl Formate	ND	ug/L	250	36.5	5		09/02/15 16:51	762-75-4	
1,2-Dichloroethane	19.9J	ug/L	25.0	9.0	5		09/02/15 16:51	107-06-2	
Diisopropyl ether	ND	ug/L	25.0	8.5	5		09/02/15 16:51	108-20-3	
Ethanol	ND	ug/L	1000	689	5		09/02/15 16:51	64-17-5	
Ethylbenzene	972	ug/L	25.0	8.0	5		09/02/15 16:51	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	18.0	5		09/02/15 16:51	637-92-3	
Methyl-tert-butyl ether	312	ug/L	25.0	8.5	5		09/02/15 16:51	1634-04-4	
Naphthalene	375	ug/L	25.0	10.0	5		09/02/15 16:51	91-20-3	
Toluene	7460	ug/L	500	160	100		09/03/15 12:40	108-88-3	
Xylene (Total)	5810	ug/L	1000	270	100		09/03/15 12:40	1330-20-7	
m&p-Xylene	3880	ug/L	1000	310	100		09/03/15 12:40	179601-23-1	
o-Xylene	1920	ug/L	500	160	100		09/03/15 12:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		5		09/02/15 16:51	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		5		09/02/15 16:51	17060-07-0	
Toluene-d8 (S)	102	%	70-130		5		09/02/15 16:51	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: MW-4		Lab ID: 92265825004		Collected: 08/31/15 12:51		Received: 09/01/15 14:55		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	0.19	0.19	10	09/02/15 16:49	09/03/15 22:32	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		10	09/02/15 16:49	09/03/15 22:32	301-79-56	S4
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	5100	ug/L	500	384	5		09/02/15 17:08	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	17.0	5		09/02/15 17:08	994-05-8	
Benzene	4390	ug/L	500	170	100		09/03/15 12:57	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	160	5		09/02/15 17:08	624-95-3	
tert-Butyl Alcohol	439J	ug/L	500	288	5		09/02/15 17:08	75-65-0	
tert-Butyl Formate	ND	ug/L	250	36.5	5		09/02/15 17:08	762-75-4	
1,2-Dichloroethane	19.6J	ug/L	25.0	9.0	5		09/02/15 17:08	107-06-2	
Diisopropyl ether	ND	ug/L	25.0	8.5	5		09/02/15 17:08	108-20-3	
Ethanol	ND	ug/L	1000	689	5		09/02/15 17:08	64-17-5	
Ethylbenzene	953	ug/L	25.0	8.0	5		09/02/15 17:08	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	18.0	5		09/02/15 17:08	637-92-3	
Methyl-tert-butyl ether	301	ug/L	25.0	8.5	5		09/02/15 17:08	1634-04-4	
Naphthalene	366	ug/L	25.0	10.0	5		09/02/15 17:08	91-20-3	
Toluene	7900	ug/L	500	160	100		09/03/15 12:57	108-88-3	
Xylene (Total)	5940	ug/L	1000	270	100		09/03/15 12:57	1330-20-7	
m&p-Xylene	3970	ug/L	1000	310	100		09/03/15 12:57	179601-23-1	
o-Xylene	1980	ug/L	500	160	100		09/03/15 12:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		5		09/02/15 17:08	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130		5		09/02/15 17:08	17060-07-0	
Toluene-d8 (S)	103	%	70-130		5		09/02/15 17:08	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: MW-6		Lab ID: 92265825005		Collected: 08/31/15 11:27		Received: 09/01/15 14:55		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	09/02/15 16:49	09/03/15 07:51	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	112	%	60-140		1	09/02/15 16:49	09/03/15 07:51	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		09/02/15 13:12	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		09/02/15 13:12	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		09/02/15 13:12	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		09/02/15 13:12	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		09/02/15 13:12	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		09/02/15 13:12	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		09/02/15 13:12	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		09/02/15 13:12	108-20-3	
Ethanol	ND	ug/L	200	138	1		09/02/15 13:12	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		09/02/15 13:12	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		09/02/15 13:12	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		09/02/15 13:12	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		09/02/15 13:12	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		09/02/15 13:12	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		09/02/15 13:12	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		09/02/15 13:12	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		09/02/15 13:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		09/02/15 13:12	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		09/02/15 13:12	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		09/02/15 13:12	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: MW-7		Lab ID: 92265825006		Collected: 08/31/15 11:55		Received: 09/01/15 14:55		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	09/02/15 16:50	09/03/15 08:11	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	113	%	60-140		1	09/02/15 16:50	09/03/15 08:11	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	647	ug/L	500	384	5		09/02/15 17:25	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	17.0	5		09/02/15 17:25	994-05-8	
Benzene	180	ug/L	25.0	8.5	5		09/02/15 17:25	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	160	5		09/02/15 17:25	624-95-3	
tert-Butyl Alcohol	ND	ug/L	500	288	5		09/02/15 17:25	75-65-0	
tert-Butyl Formate	ND	ug/L	250	36.5	5		09/02/15 17:25	762-75-4	
1,2-Dichloroethane	ND	ug/L	25.0	9.0	5		09/02/15 17:25	107-06-2	
Diisopropyl ether	ND	ug/L	25.0	8.5	5		09/02/15 17:25	108-20-3	
Ethanol	ND	ug/L	1000	689	5		09/02/15 17:25	64-17-5	
Ethylbenzene	1090	ug/L	50.0	16.0	10		09/03/15 13:14	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	18.0	5		09/02/15 17:25	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	25.0	8.5	5		09/02/15 17:25	1634-04-4	
Naphthalene	283	ug/L	25.0	10.0	5		09/02/15 17:25	91-20-3	
Toluene	475	ug/L	25.0	8.0	5		09/02/15 17:25	108-88-3	
Xylene (Total)	2320	ug/L	50.0	13.5	5		09/02/15 17:25	1330-20-7	
m&p-Xylene	1640	ug/L	50.0	15.5	5		09/02/15 17:25	179601-23-1	
o-Xylene	682	ug/L	25.0	8.0	5		09/02/15 17:25	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		5		09/02/15 17:25	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		5		09/02/15 17:25	17060-07-0	
Toluene-d8 (S)	102	%	70-130		5		09/02/15 17:25	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP
Pace Project No.: 92265825

Sample: MW-8		Lab ID: 92265825007		Collected: 08/31/15 11:33		Received: 09/01/15 14:55		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	09/02/15 16:50	09/03/15 08:30	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	113	%	60-140		1	09/02/15 16:50	09/03/15 08:30	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		09/02/15 13:29	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		09/02/15 13:29	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		09/02/15 13:29	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		09/02/15 13:29	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		09/02/15 13:29	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		09/02/15 13:29	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		09/02/15 13:29	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		09/02/15 13:29	108-20-3	
Ethanol	ND	ug/L	200	138	1		09/02/15 13:29	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		09/02/15 13:29	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		09/02/15 13:29	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		09/02/15 13:29	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		09/02/15 13:29	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		09/02/15 13:29	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		09/02/15 13:29	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		09/02/15 13:29	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		09/02/15 13:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		09/02/15 13:29	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		09/02/15 13:29	17060-07-0	
Toluene-d8 (S)	111	%	70-130		1		09/02/15 13:29	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: MW-10R		Lab ID: 92265825008		Collected: 08/31/15 11:52		Received: 09/01/15 14:55		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	09/02/15 16:50	09/03/15 08:49	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	115	%	60-140		1	09/02/15 16:50	09/03/15 08:49	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		09/02/15 13:45	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		09/02/15 13:45	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		09/02/15 13:45	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		09/02/15 13:45	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		09/02/15 13:45	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		09/02/15 13:45	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		09/02/15 13:45	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		09/02/15 13:45	108-20-3	
Ethanol	ND	ug/L	200	138	1		09/02/15 13:45	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		09/02/15 13:45	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		09/02/15 13:45	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		09/02/15 13:45	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		09/02/15 13:45	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		09/02/15 13:45	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		09/02/15 13:45	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		09/02/15 13:45	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		09/02/15 13:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		09/02/15 13:45	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		09/02/15 13:45	17060-07-0	
Toluene-d8 (S)	112	%	70-130		1		09/02/15 13:45	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: MW-11		Lab ID: 92265825009		Collected: 08/31/15 12:18		Received: 09/01/15 14:55		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	09/02/15 16:50	09/03/15 09:08	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	115	%	60-140		1	09/02/15 16:50	09/03/15 09:08	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		09/02/15 14:02	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		09/02/15 14:02	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		09/02/15 14:02	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		09/02/15 14:02	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		09/02/15 14:02	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		09/02/15 14:02	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		09/02/15 14:02	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		09/02/15 14:02	108-20-3	
Ethanol	ND	ug/L	200	138	1		09/02/15 14:02	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		09/02/15 14:02	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		09/02/15 14:02	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		09/02/15 14:02	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		09/02/15 14:02	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		09/02/15 14:02	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		09/02/15 14:02	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		09/02/15 14:02	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		09/02/15 14:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		09/02/15 14:02	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130		1		09/02/15 14:02	17060-07-0	
Toluene-d8 (S)	110	%	70-130		1		09/02/15 14:02	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: MW-14		Lab ID: 92265825010		Collected: 08/31/15 11:23		Received: 09/01/15 14:55		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	09/02/15 16:50	09/03/15 09:27	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	106	%	60-140		1	09/02/15 16:50	09/03/15 09:27	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		09/02/15 18:16	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		09/02/15 18:16	994-05-8	
Benzene	3.4J	ug/L	5.0	1.7	1		09/02/15 18:16	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		09/02/15 18:16	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		09/02/15 18:16	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		09/02/15 18:16	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		09/02/15 18:16	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		09/02/15 18:16	108-20-3	
Ethanol	ND	ug/L	200	138	1		09/02/15 18:16	64-17-5	
Ethylbenzene	10.9	ug/L	5.0	1.6	1		09/02/15 18:16	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		09/02/15 18:16	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		09/02/15 18:16	1634-04-4	
Naphthalene	8.4	ug/L	5.0	2.0	1		09/02/15 18:16	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		09/02/15 18:16	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		09/02/15 18:16	1330-20-7	
m&p-Xylene	5.4J	ug/L	10.0	3.1	1		09/02/15 18:16	179601-23-1	
o-Xylene	2.5J	ug/L	5.0	1.6	1		09/02/15 18:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		09/02/15 18:16	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		09/02/15 18:16	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		09/02/15 18:16	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: MW-15		Lab ID: 92265825011		Collected: 08/31/15 10:44		Received: 09/01/15 14:55		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	09/02/15 16:50	09/03/15 09:47	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	101	%	60-140		1	09/02/15 16:50	09/03/15 09:47	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		09/02/15 14:19	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		09/02/15 14:19	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		09/02/15 14:19	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		09/02/15 14:19	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		09/02/15 14:19	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		09/02/15 14:19	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		09/02/15 14:19	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		09/02/15 14:19	108-20-3	
Ethanol	ND	ug/L	200	138	1		09/02/15 14:19	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		09/02/15 14:19	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		09/02/15 14:19	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		09/02/15 14:19	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		09/02/15 14:19	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		09/02/15 14:19	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		09/02/15 14:19	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		09/02/15 14:19	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		09/02/15 14:19	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		09/02/15 14:19	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		1		09/02/15 14:19	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		09/02/15 14:19	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: MW-16		Lab ID: 92265825012		Collected: 08/31/15 10:59		Received: 09/01/15 14:55		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)	0.48	ug/L	0.020	0.020	1	09/02/15 16:50	09/03/15 10:06	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	115	%	60-140		1	09/02/15 16:50	09/03/15 10:06	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	678	ug/L	100	76.8	1		09/02/15 21:39	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		09/02/15 21:39	994-05-8	
Benzene	759	ug/L	50.0	17.0	10		09/03/15 14:55	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		09/02/15 21:39	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		09/02/15 21:39	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		09/02/15 21:39	762-75-4	
1,2-Dichloroethane	1.8J	ug/L	5.0	1.8	1		09/02/15 21:39	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		09/02/15 21:39	108-20-3	
Ethanol	ND	ug/L	200	138	1		09/02/15 21:39	64-17-5	
Ethylbenzene	286	ug/L	50.0	16.0	10		09/03/15 14:55	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		09/02/15 21:39	637-92-3	
Methyl-tert-butyl ether	10.5	ug/L	5.0	1.7	1		09/02/15 21:39	1634-04-4	
Naphthalene	70.1	ug/L	5.0	2.0	1		09/02/15 21:39	91-20-3	
Toluene	138	ug/L	5.0	1.6	1		09/02/15 21:39	108-88-3	
Xylene (Total)	211	ug/L	10.0	2.7	1		09/02/15 21:39	1330-20-7	
m&p-Xylene	142	ug/L	10.0	3.1	1		09/02/15 21:39	179601-23-1	
o-Xylene	68.5	ug/L	5.0	1.6	1		09/02/15 21:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		09/02/15 21:39	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		1		09/02/15 21:39	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		09/02/15 21:39	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: MW-17		Lab ID: 92265825013		Collected: 08/31/15 12:34		Received: 09/01/15 14:55		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)	9.5	ug/L	0.40	0.40	20	09/02/15 16:50	09/03/15 22:51	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		20	09/02/15 16:50	09/03/15 22:51	301-79-56	S4
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	4930	ug/L	500	384	5		09/02/15 17:42	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	17.0	5		09/02/15 17:42	994-05-8	
Benzene	5020	ug/L	500	170	100		09/03/15 13:31	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	160	5		09/02/15 17:42	624-95-3	
tert-Butyl Alcohol	421J	ug/L	500	288	5		09/02/15 17:42	75-65-0	
tert-Butyl Formate	ND	ug/L	250	36.5	5		09/02/15 17:42	762-75-4	
1,2-Dichloroethane	20.5J	ug/L	25.0	9.0	5		09/02/15 17:42	107-06-2	
Diisopropyl ether	ND	ug/L	25.0	8.5	5		09/02/15 17:42	108-20-3	
Ethanol	ND	ug/L	1000	689	5		09/02/15 17:42	64-17-5	
Ethylbenzene	1200	ug/L	500	160	100		09/03/15 13:31	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	18.0	5		09/02/15 17:42	637-92-3	
Methyl-tert-butyl ether	331	ug/L	25.0	8.5	5		09/02/15 17:42	1634-04-4	
Naphthalene	391	ug/L	25.0	10.0	5		09/02/15 17:42	91-20-3	
Toluene	8730	ug/L	500	160	100		09/03/15 13:31	108-88-3	
Xylene (Total)	6430	ug/L	1000	270	100		09/03/15 13:31	1330-20-7	
m&p-Xylene	4320	ug/L	1000	310	100		09/03/15 13:31	179601-23-1	
o-Xylene	2110	ug/L	500	160	100		09/03/15 13:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		5		09/02/15 17:42	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		5		09/02/15 17:42	17060-07-0	
Toluene-d8 (S)	102	%	70-130		5		09/02/15 17:42	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: MW-18		Lab ID: 92265825014		Collected: 08/31/15 13:15		Received: 09/01/15 14:55		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)	4.3	ug/L	0.22	0.22	11.11	09/02/15 16:50	09/03/15 23:10	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		11.11	09/02/15 16:50	09/03/15 23:10	301-79-56	S4
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	25200	ug/L	20000	15400	200		09/02/15 17:59	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	680	200		09/02/15 17:59	994-05-8	
Benzene	2720	ug/L	1000	340	200		09/02/15 17:59	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	6420	200		09/02/15 17:59	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	11500	200		09/02/15 17:59	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	1460	200		09/02/15 17:59	762-75-4	
1,2-Dichloroethane	ND	ug/L	1000	360	200		09/02/15 17:59	107-06-2	
Diisopropyl ether	ND	ug/L	1000	340	200		09/02/15 17:59	108-20-3	
Ethanol	ND	ug/L	40000	27600	200		09/02/15 17:59	64-17-5	
Ethylbenzene	2050	ug/L	1000	320	200		09/02/15 17:59	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	720	200		09/02/15 17:59	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1000	340	200		09/02/15 17:59	1634-04-4	
Naphthalene	2450	ug/L	1000	400	200		09/02/15 17:59	91-20-3	
Toluene	14500	ug/L	1000	320	200		09/02/15 17:59	108-88-3	
Xylene (Total)	14700	ug/L	2000	540	200		09/02/15 17:59	1330-20-7	
m&p-Xylene	9830	ug/L	2000	620	200		09/02/15 17:59	179601-23-1	
o-Xylene	4870	ug/L	1000	320	200		09/02/15 17:59	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		200		09/02/15 17:59	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		200		09/02/15 17:59	17060-07-0	
Toluene-d8 (S)	101	%	70-130		200		09/02/15 17:59	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: MW-19		Lab ID: 92265825015		Collected: 08/31/15 10:35		Received: 09/01/15 14:55		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	09/03/15 13:50	09/03/15 17:42	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	105	%	60-140		1	09/03/15 13:50	09/03/15 17:42	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		09/02/15 14:36	75-85-4	
tert-Amyl methyl ether	ND	ug/L	10.0	3.4	1		09/02/15 14:36	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		09/02/15 14:36	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		09/02/15 14:36	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		09/02/15 14:36	75-65-0	M1
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		09/02/15 14:36	762-75-4	P5
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		09/02/15 14:36	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		09/02/15 14:36	108-20-3	
Ethanol	ND	ug/L	200	138	1		09/02/15 14:36	64-17-5	M1
Ethylbenzene	ND	ug/L	5.0	1.6	1		09/02/15 14:36	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		09/02/15 14:36	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		09/02/15 14:36	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		09/02/15 14:36	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		09/02/15 14:36	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		09/02/15 14:36	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		09/02/15 14:36	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		09/02/15 14:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		09/02/15 14:36	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		1		09/02/15 14:36	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		09/02/15 14:36	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: MW-20		Lab ID: 92265825016		Collected: 08/31/15 10:31		Received: 09/01/15 14:55		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	09/03/15 13:50	09/03/15 18:02	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	109	%	60-140		1	09/03/15 13:50	09/03/15 18:02	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		09/02/15 14:53	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		09/02/15 14:53	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		09/02/15 14:53	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		09/02/15 14:53	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		09/02/15 14:53	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		09/02/15 14:53	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		09/02/15 14:53	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		09/02/15 14:53	108-20-3	
Ethanol	ND	ug/L	200	138	1		09/02/15 14:53	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		09/02/15 14:53	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		09/02/15 14:53	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		09/02/15 14:53	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		09/02/15 14:53	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		09/02/15 14:53	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		09/02/15 14:53	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		09/02/15 14:53	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		09/02/15 14:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		09/02/15 14:53	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70-130		1		09/02/15 14:53	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		09/02/15 14:53	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: MW-21		Lab ID: 92265825017		Collected: 08/31/15 10:26		Received: 09/01/15 14:55		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	09/03/15 13:50	09/03/15 18:23	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	106	%	60-140		1	09/03/15 13:50	09/03/15 18:23	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		09/02/15 15:27	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		09/02/15 15:27	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		09/02/15 15:27	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		09/02/15 15:27	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		09/02/15 15:27	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		09/02/15 15:27	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		09/02/15 15:27	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		09/02/15 15:27	108-20-3	
Ethanol	ND	ug/L	200	138	1		09/02/15 15:27	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		09/02/15 15:27	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		09/02/15 15:27	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		09/02/15 15:27	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		09/02/15 15:27	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		09/02/15 15:27	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		09/02/15 15:27	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		09/02/15 15:27	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		09/02/15 15:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		09/02/15 15:27	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		1		09/02/15 15:27	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		09/02/15 15:27	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: MW-22		Lab ID: 92265825018		Collected: 08/31/15 11:18		Received: 09/01/15 14:55		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	09/03/15 13:50	09/03/15 18:43	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	105	%	60-140		1	09/03/15 13:50	09/03/15 18:43	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		09/02/15 15:44	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		09/02/15 15:44	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		09/02/15 15:44	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		09/02/15 15:44	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		09/02/15 15:44	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		09/02/15 15:44	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		09/02/15 15:44	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		09/02/15 15:44	108-20-3	
Ethanol	ND	ug/L	200	138	1		09/02/15 15:44	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		09/02/15 15:44	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		09/02/15 15:44	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		09/02/15 15:44	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		09/02/15 15:44	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		09/02/15 15:44	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		09/02/15 15:44	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		09/02/15 15:44	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		09/02/15 15:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		09/02/15 15:44	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130		1		09/02/15 15:44	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		09/02/15 15:44	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: MW-22D		Lab ID: 92265825019		Collected: 08/31/15 11:13		Received: 09/01/15 14:55		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	09/03/15 13:50	09/03/15 19:03	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	109	%	60-140		1	09/03/15 13:50	09/03/15 19:03	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		09/02/15 16:01	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		09/02/15 16:01	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		09/02/15 16:01	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		09/02/15 16:01	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		09/02/15 16:01	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		09/02/15 16:01	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		09/02/15 16:01	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		09/02/15 16:01	108-20-3	
Ethanol	ND	ug/L	200	138	1		09/02/15 16:01	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		09/02/15 16:01	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		09/02/15 16:01	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		09/02/15 16:01	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		09/02/15 16:01	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		09/02/15 16:01	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		09/02/15 16:01	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		09/02/15 16:01	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		09/02/15 16:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		09/02/15 16:01	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		1		09/02/15 16:01	17060-07-0	
Toluene-d8 (S)	122	%	70-130		1		09/02/15 16:01	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: MW-23		Lab ID: 92265825020		Collected: 08/31/15 10:47		Received: 09/01/15 14:55		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	0.023	0.023	1	09/03/15 13:50	09/03/15 20:04	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	118	%	60-140		1	09/03/15 13:50	09/03/15 20:04	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		09/02/15 21:22	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		09/02/15 21:22	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		09/02/15 21:22	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		09/02/15 21:22	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		09/02/15 21:22	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		09/02/15 21:22	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		09/02/15 21:22	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		09/02/15 21:22	108-20-3	
Ethanol	ND	ug/L	200	138	1		09/02/15 21:22	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		09/02/15 21:22	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		09/02/15 21:22	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		09/02/15 21:22	1634-04-4	
Naphthalene	4.2J	ug/L	5.0	2.0	1		09/02/15 21:22	91-20-3	
Toluene	16.4	ug/L	5.0	1.6	1		09/02/15 21:22	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		09/02/15 21:22	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		09/02/15 21:22	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		09/02/15 21:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		09/02/15 21:22	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		09/02/15 21:22	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		09/02/15 21:22	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP
Pace Project No.: 92265825

Sample: MW-26		Lab ID: 92265825021		Collected: 08/31/15 12:10		Received: 09/01/15 14:55		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	09/03/15 13:50	09/03/15 20:24	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	127	%	60-140		1	09/03/15 13:50	09/03/15 20:24	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		09/02/15 18:33	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		09/02/15 18:33	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		09/02/15 18:33	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		09/02/15 18:33	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		09/02/15 18:33	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		09/02/15 18:33	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		09/02/15 18:33	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		09/02/15 18:33	108-20-3	
Ethanol	ND	ug/L	200	138	1		09/02/15 18:33	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		09/02/15 18:33	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		09/02/15 18:33	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		09/02/15 18:33	1634-04-4	
Naphthalene	4.0J	ug/L	5.0	2.0	1		09/02/15 18:33	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		09/02/15 18:33	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		09/02/15 18:33	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		09/02/15 18:33	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		09/02/15 18:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		09/02/15 18:33	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		09/02/15 18:33	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		09/02/15 18:33	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: MW-27		Lab ID: 92265825022		Collected: 08/31/15 12:30		Received: 09/01/15 14:55		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	09/03/15 13:51	09/03/15 20:45	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	120	%	60-140		1	09/03/15 13:51	09/03/15 20:45	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		09/02/15 19:40	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		09/02/15 19:40	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		09/02/15 19:40	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		09/02/15 19:40	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		09/02/15 19:40	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		09/02/15 19:40	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		09/02/15 19:40	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		09/02/15 19:40	108-20-3	
Ethanol	ND	ug/L	200	138	1		09/02/15 19:40	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		09/02/15 19:40	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		09/02/15 19:40	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		09/02/15 19:40	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		09/02/15 19:40	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		09/02/15 19:40	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		09/02/15 19:40	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		09/02/15 19:40	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		09/02/15 19:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		09/02/15 19:40	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		09/02/15 19:40	17060-07-0	
Toluene-d8 (S)	111	%	70-130		1		09/02/15 19:40	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP
Pace Project No.: 92265825

Sample: MW-28		Lab ID: 92265825023		Collected: 08/31/15 10:20		Received: 09/01/15 14:55		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	09/03/15 13:51	09/03/15 21:05	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	113	%	60-140		1	09/03/15 13:51	09/03/15 21:05	301-79-56	
8260 MSV Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		09/02/15 18:50	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		09/02/15 18:50	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		09/02/15 18:50	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		09/02/15 18:50	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		09/02/15 18:50	75-65-0	M1
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		09/02/15 18:50	762-75-4	P5
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		09/02/15 18:50	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		09/02/15 18:50	108-20-3	
Ethanol	ND	ug/L	200	138	1		09/02/15 18:50	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		09/02/15 18:50	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		09/02/15 18:50	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		09/02/15 18:50	1634-04-4	
Naphthalene	4.2J	ug/L	5.0	2.0	1		09/02/15 18:50	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		09/02/15 18:50	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		09/02/15 18:50	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		09/02/15 18:50	179601-23-1	
o-Xylene	2.1J	ug/L	5.0	1.6	1		09/02/15 18:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		09/02/15 18:50	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		09/02/15 18:50	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		09/02/15 18:50	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: TW-1		Lab ID: 92265825024		Collected: 08/31/15 13:01		Received: 09/01/15 14:55		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)	0.13	ug/L	0.019	0.019	1	09/03/15 13:51	09/03/15 21:25	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	113	%	60-140		1	09/03/15 13:51	09/03/15 21:25	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	2000	1540	20		09/02/15 19:57	75-85-4	
tert-Amylmethyl ether	ND	ug/L	200	68.0	20		09/02/15 19:57	994-05-8	
Benzene	564	ug/L	100	34.0	20		09/02/15 19:57	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2000	642	20		09/02/15 19:57	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2000	1150	20		09/02/15 19:57	75-65-0	
tert-Butyl Formate	ND	ug/L	1000	146	20		09/02/15 19:57	762-75-4	
1,2-Dichloroethane	ND	ug/L	100	36.0	20		09/02/15 19:57	107-06-2	
Diisopropyl ether	ND	ug/L	100	34.0	20		09/02/15 19:57	108-20-3	
Ethanol	ND	ug/L	4000	2760	20		09/02/15 19:57	64-17-5	
Ethylbenzene	1430	ug/L	100	32.0	20		09/02/15 19:57	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	200	72.0	20		09/02/15 19:57	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	100	34.0	20		09/02/15 19:57	1634-04-4	
Naphthalene	525	ug/L	100	40.0	20		09/02/15 19:57	91-20-3	
Toluene	4820	ug/L	250	80.0	50		09/03/15 13:47	108-88-3	
Xylene (Total)	7990	ug/L	200	54.0	20		09/02/15 19:57	1330-20-7	
m&p-Xylene	5570	ug/L	200	62.0	20		09/02/15 19:57	179601-23-1	
o-Xylene	2420	ug/L	100	32.0	20		09/02/15 19:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		20		09/02/15 19:57	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		20		09/02/15 19:57	17060-07-0	
Toluene-d8 (S)	100	%	70-130		20		09/02/15 19:57	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: TW-2		Lab ID: 92265825025		Collected: 08/31/15 11:44		Received: 09/01/15 14:55		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	09/03/15 13:51	09/03/15 22:06	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	112	%	60-140		1	09/03/15 13:51	09/03/15 22:06	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		09/02/15 19:07	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		09/02/15 19:07	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		09/02/15 19:07	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		09/02/15 19:07	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		09/02/15 19:07	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		09/02/15 19:07	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		09/02/15 19:07	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		09/02/15 19:07	108-20-3	
Ethanol	ND	ug/L	200	138	1		09/02/15 19:07	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		09/02/15 19:07	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		09/02/15 19:07	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		09/02/15 19:07	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		09/02/15 19:07	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		09/02/15 19:07	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		09/02/15 19:07	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		09/02/15 19:07	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		09/02/15 19:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		09/02/15 19:07	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		09/02/15 19:07	17060-07-0	
Toluene-d8 (S)	109	%	70-130		1		09/02/15 19:07	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP
Pace Project No.: 92265825

Sample: IGWA-A		Lab ID: 92265825026		Collected: 08/31/15 12:03		Received: 09/01/15 14:55		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)	0.26	ug/L	0.019	0.019	1	09/03/15 13:51	09/03/15 22:26	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	115	%	60-140		1	09/03/15 13:51	09/03/15 22:26	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	2740	ug/L	2000	1540	20		09/02/15 20:14	75-85-4	
tert-Amylmethyl ether	ND	ug/L	200	68.0	20		09/02/15 20:14	994-05-8	
Benzene	1730	ug/L	100	34.0	20		09/02/15 20:14	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2000	642	20		09/02/15 20:14	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2000	1150	20		09/02/15 20:14	75-65-0	
tert-Butyl Formate	ND	ug/L	1000	146	20		09/02/15 20:14	762-75-4	
1,2-Dichloroethane	ND	ug/L	100	36.0	20		09/02/15 20:14	107-06-2	
Diisopropyl ether	ND	ug/L	100	34.0	20		09/02/15 20:14	108-20-3	
Ethanol	ND	ug/L	4000	2760	20		09/02/15 20:14	64-17-5	
Ethylbenzene	933	ug/L	100	32.0	20		09/02/15 20:14	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	200	72.0	20		09/02/15 20:14	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	100	34.0	20		09/02/15 20:14	1634-04-4	
Naphthalene	566	ug/L	100	40.0	20		09/02/15 20:14	91-20-3	
Toluene	7710	ug/L	250	80.0	50		09/03/15 14:04	108-88-3	
Xylene (Total)	11500	ug/L	500	135	50		09/03/15 14:04	1330-20-7	
m&p-Xylene	7130	ug/L	200	62.0	20		09/02/15 20:14	179601-23-1	
o-Xylene	4390	ug/L	250	80.0	50		09/03/15 14:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		20		09/02/15 20:14	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		20		09/02/15 20:14	17060-07-0	
Toluene-d8 (S)	100	%	70-130		20		09/02/15 20:14	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: FIELD BLANK		Lab ID: 92265825027		Collected: 08/31/15 13:20		Received: 09/01/15 14:55		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	09/03/15 13:51	09/03/15 22:46	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	117	%	60-140		1	09/03/15 13:51	09/03/15 22:46	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		09/02/15 12:38	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		09/02/15 12:38	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		09/02/15 12:38	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		09/02/15 12:38	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		09/02/15 12:38	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		09/02/15 12:38	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		09/02/15 12:38	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		09/02/15 12:38	108-20-3	
Ethanol	ND	ug/L	200	138	1		09/02/15 12:38	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		09/02/15 12:38	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		09/02/15 12:38	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		09/02/15 12:38	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		09/02/15 12:38	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		09/02/15 12:38	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		09/02/15 12:38	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		09/02/15 12:38	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		09/02/15 12:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		09/02/15 12:38	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		09/02/15 12:38	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		09/02/15 12:38	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: MW-7 DUP		Lab ID: 92265825028		Collected: 08/31/15 11:55		Received: 09/01/15 14:55		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)	0.86	ug/L	0.097	0.097	5	09/03/15 13:51	09/04/15 17:06	106-93-4	C2
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		5	09/03/15 13:51	09/04/15 17:06	301-79-56	S4
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	1410	ug/L	500	384	5		09/02/15 20:31	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	17.0	5		09/02/15 20:31	994-05-8	
Benzene	1970	ug/L	250	85.0	50		09/03/15 14:21	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	160	5		09/02/15 20:31	624-95-3	
tert-Butyl Alcohol	ND	ug/L	500	288	5		09/02/15 20:31	75-65-0	
tert-Butyl Formate	ND	ug/L	250	36.5	5		09/02/15 20:31	762-75-4	
1,2-Dichloroethane	ND	ug/L	25.0	9.0	5		09/02/15 20:31	107-06-2	
Diisopropyl ether	ND	ug/L	25.0	8.5	5		09/02/15 20:31	108-20-3	
Ethanol	ND	ug/L	1000	689	5		09/02/15 20:31	64-17-5	
Ethylbenzene	877	ug/L	25.0	8.0	5		09/02/15 20:31	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	18.0	5		09/02/15 20:31	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	25.0	8.5	5		09/02/15 20:31	1634-04-4	
Naphthalene	478	ug/L	25.0	10.0	5		09/02/15 20:31	91-20-3	
Toluene	7550	ug/L	250	80.0	50		09/03/15 14:21	108-88-3	
Xylene (Total)	12000	ug/L	500	135	50		09/03/15 14:21	1330-20-7	
m&p-Xylene	7610	ug/L	500	155	50		09/03/15 14:21	179601-23-1	
o-Xylene	4420	ug/L	250	80.0	50		09/03/15 14:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		5		09/02/15 20:31	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130		5		09/02/15 20:31	17060-07-0	
Toluene-d8 (S)	104	%	70-130		5		09/02/15 20:31	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: IGWA-A DUP		Lab ID: 92265825029		Collected: 08/31/15 12:03		Received: 09/01/15 14:55		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)	0.81	ug/L	0.038	0.038	2	09/03/15 13:51	09/04/15 17:25	106-93-4	C2
Surrogates									
1-Chloro-2-bromopropane (S)	136	%	60-140		2	09/03/15 13:51	09/04/15 17:25	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	2810	ug/L	2000	1540	20		09/02/15 20:48	75-85-4	
tert-Amylmethyl ether	ND	ug/L	200	68.0	20		09/02/15 20:48	994-05-8	
Benzene	1670	ug/L	100	34.0	20		09/02/15 20:48	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2000	642	20		09/02/15 20:48	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2000	1150	20		09/02/15 20:48	75-65-0	
tert-Butyl Formate	ND	ug/L	1000	146	20		09/02/15 20:48	762-75-4	
1,2-Dichloroethane	ND	ug/L	100	36.0	20		09/02/15 20:48	107-06-2	
Diisopropyl ether	ND	ug/L	100	34.0	20		09/02/15 20:48	108-20-3	
Ethanol	ND	ug/L	4000	2760	20		09/02/15 20:48	64-17-5	
Ethylbenzene	792	ug/L	100	32.0	20		09/02/15 20:48	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	200	72.0	20		09/02/15 20:48	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	100	34.0	20		09/02/15 20:48	1634-04-4	
Naphthalene	588	ug/L	100	40.0	20		09/02/15 20:48	91-20-3	
Toluene	7540	ug/L	250	80.0	50		09/03/15 14:38	108-88-3	
Xylene (Total)	10200	ug/L	200	54.0	20		09/02/15 20:48	1330-20-7	
m&p-Xylene	6300	ug/L	200	62.0	20		09/02/15 20:48	179601-23-1	
o-Xylene	3860	ug/L	100	32.0	20		09/02/15 20:48	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		20		09/02/15 20:48	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		20		09/02/15 20:48	17060-07-0	
Toluene-d8 (S)	102	%	70-130		20		09/02/15 20:48	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Sample: TRIP BLANK		Lab ID: 92265825030		Collected: 08/31/15 13:21		Received: 09/01/15 14:55		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		09/02/15 12:55	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		09/02/15 12:55	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		09/02/15 12:55	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		09/02/15 12:55	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		09/02/15 12:55	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		09/02/15 12:55	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		09/02/15 12:55	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		09/02/15 12:55	108-20-3	
Ethanol	ND	ug/L	200	138	1		09/02/15 12:55	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		09/02/15 12:55	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		09/02/15 12:55	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		09/02/15 12:55	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		09/02/15 12:55	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		09/02/15 12:55	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		09/02/15 12:55	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		09/02/15 12:55	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		09/02/15 12:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		09/02/15 12:55	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		09/02/15 12:55	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		09/02/15 12:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP
Pace Project No.: 92265825

QC Batch: MSV/33219 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92265825001, 92265825002, 92265825003, 92265825004, 92265825005, 92265825006, 92265825007, 92265825008, 92265825009, 92265825010, 92265825011, 92265825013, 92265825014, 92265825015, 92265825016, 92265825017, 92265825018, 92265825019, 92265825027, 92265825030

METHOD BLANK: 1546666 Matrix: Water
Associated Lab Samples: 92265825001, 92265825002, 92265825003, 92265825004, 92265825005, 92265825006, 92265825007, 92265825008, 92265825009, 92265825010, 92265825011, 92265825013, 92265825014, 92265825015, 92265825016, 92265825017, 92265825018, 92265825019, 92265825027, 92265825030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	09/02/15 12:04	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	09/02/15 12:04	
Benzene	ug/L	ND	5.0	09/02/15 12:04	
Diisopropyl ether	ug/L	ND	5.0	09/02/15 12:04	
Ethanol	ug/L	ND	200	09/02/15 12:04	
Ethyl-tert-butyl ether	ug/L	ND	10.0	09/02/15 12:04	
Ethylbenzene	ug/L	ND	5.0	09/02/15 12:04	
m&p-Xylene	ug/L	ND	10.0	09/02/15 12:04	
Methyl-tert-butyl ether	ug/L	ND	5.0	09/02/15 12:04	
Naphthalene	ug/L	ND	5.0	09/02/15 12:04	
o-Xylene	ug/L	ND	5.0	09/02/15 12:04	
tert-Amyl Alcohol	ug/L	ND	100	09/02/15 12:04	
tert-Amylmethyl ether	ug/L	ND	10.0	09/02/15 12:04	
tert-Butyl Alcohol	ug/L	ND	100	09/02/15 12:04	
tert-Butyl Formate	ug/L	ND	50.0	09/02/15 12:04	
Toluene	ug/L	ND	5.0	09/02/15 12:04	
Xylene (Total)	ug/L	ND	10.0	09/02/15 12:04	
1,2-Dichloroethane-d4 (S)	%	105	70-130	09/02/15 12:04	
4-Bromofluorobenzene (S)	%	101	70-130	09/02/15 12:04	
Toluene-d8 (S)	%	101	70-130	09/02/15 12:04	

LABORATORY CONTROL SAMPLE: 1546667

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	42.9	86	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	968	97	70-130	
Benzene	ug/L	50	50.6	101	70-130	
Diisopropyl ether	ug/L	50	52.9	106	70-130	
Ethanol	ug/L	2000	1820	91	70-130	
Ethyl-tert-butyl ether	ug/L	100	116	116	70-130	
Ethylbenzene	ug/L	50	49.0	98	70-130	
m&p-Xylene	ug/L	100	101	101	70-130	
Methyl-tert-butyl ether	ug/L	50	52.0	104	70-130	
Naphthalene	ug/L	50	54.2	108	70-130	
o-Xylene	ug/L	50	47.8	96	70-130	
tert-Amyl Alcohol	ug/L	1000	1010	101	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP
Pace Project No.: 92265825

LABORATORY CONTROL SAMPLE: 1546667

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Amylmethyl ether	ug/L	100	109	109	70-130	
tert-Butyl Alcohol	ug/L	500	495	99	70-130	
tert-Butyl Formate	ug/L	400	491	123	70-130	
Toluene	ug/L	50	50.2	100	70-130	
Xylene (Total)	ug/L	150	149	99	70-130	
1,2-Dichloroethane-d4 (S)	%			93	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 1546668

Parameter	Units	92265825015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	19.4	96	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	450	113	70-130	
Benzene	ug/L	ND	20	24.0	120	70-130	
Diisopropyl ether	ug/L	ND	20	23.8	119	70-130	
Ethanol	ug/L	ND	800	1130	141	70-130 M1	
Ethyl-tert-butyl ether	ug/L	ND	40	51.6	129	70-130	
Ethylbenzene	ug/L	ND	20	22.2	111	70-130	
m&p-Xylene	ug/L	ND	40	44.1	110	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	23.8	119	70-130	
Naphthalene	ug/L	ND	20	25.8	129	70-130	
o-Xylene	ug/L	ND	20	21.1	105	70-130	
tert-Amyl Alcohol	ug/L	ND	400	513	128	70-130	
tert-Amylmethyl ether	ug/L	ND	40	41.4	103	70-130	
tert-Butyl Alcohol	ug/L	ND	200	400	200	70-130 M1	
tert-Butyl Formate	ug/L	ND	160	ND	0	70-130 P5	
Toluene	ug/L	ND	20	21.6	108	70-130	
1,2-Dichloroethane-d4 (S)	%				97	70-130	
4-Bromofluorobenzene (S)	%				101	70-130	
Toluene-d8 (S)	%				97	70-130	

SAMPLE DUPLICATE: 1546669

Parameter	Units	92265825016 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	

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

SAMPLE DUPLICATE: 1546669

Parameter	Units	92265825016 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)	%	113	112	1		
4-Bromofluorobenzene (S)	%	102	100	2		
Toluene-d8 (S)	%	102	103	1		

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

QC Batch: MSV/33220 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92265825012, 92265825020, 92265825021, 92265825022, 92265825023, 92265825024, 92265825025, 92265825026, 92265825028, 92265825029

METHOD BLANK: 1546674 Matrix: Water
Associated Lab Samples: 92265825012, 92265825020, 92265825021, 92265825022, 92265825023, 92265825024, 92265825025, 92265825026, 92265825028, 92265825029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	09/02/15 12:21	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	09/02/15 12:21	
Benzene	ug/L	ND	5.0	09/02/15 12:21	
Diisopropyl ether	ug/L	ND	5.0	09/02/15 12:21	
Ethanol	ug/L	ND	200	09/02/15 12:21	
Ethyl-tert-butyl ether	ug/L	ND	10.0	09/02/15 12:21	
Ethylbenzene	ug/L	ND	5.0	09/02/15 12:21	
m&p-Xylene	ug/L	ND	10.0	09/02/15 12:21	
Methyl-tert-butyl ether	ug/L	ND	5.0	09/02/15 12:21	
Naphthalene	ug/L	ND	5.0	09/02/15 12:21	
o-Xylene	ug/L	ND	5.0	09/02/15 12:21	
tert-Amyl Alcohol	ug/L	ND	100	09/02/15 12:21	
tert-Amylmethyl ether	ug/L	ND	10.0	09/02/15 12:21	
tert-Butyl Alcohol	ug/L	ND	100	09/02/15 12:21	
tert-Butyl Formate	ug/L	ND	50.0	09/02/15 12:21	
Toluene	ug/L	ND	5.0	09/02/15 12:21	
Xylene (Total)	ug/L	ND	10.0	09/02/15 12:21	
1,2-Dichloroethane-d4 (S)	%	107	70-130	09/02/15 12:21	
4-Bromofluorobenzene (S)	%	99	70-130	09/02/15 12:21	
Toluene-d8 (S)	%	102	70-130	09/02/15 12:21	

LABORATORY CONTROL SAMPLE: 1546675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	41.8	84	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1060	106	70-130	
Benzene	ug/L	50	49.4	99	70-130	
Diisopropyl ether	ug/L	50	53.0	106	70-130	
Ethanol	ug/L	2000	2150	108	70-130	
Ethyl-tert-butyl ether	ug/L	100	116	116	70-130	
Ethylbenzene	ug/L	50	48.1	96	70-130	
m&p-Xylene	ug/L	100	99.4	99	70-130	
Methyl-tert-butyl ether	ug/L	50	51.7	103	70-130	
Naphthalene	ug/L	50	53.3	107	70-130	
o-Xylene	ug/L	50	47.6	95	70-130	
tert-Amyl Alcohol	ug/L	1000	1120	112	70-130	
tert-Amylmethyl ether	ug/L	100	109	109	70-130	
tert-Butyl Alcohol	ug/L	500	566	113	70-130	

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

LABORATORY CONTROL SAMPLE: 1546675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Formate	ug/L	400	488	122	70-130	
Toluene	ug/L	50	48.8	98	70-130	
Xylene (Total)	ug/L	150	147	98	70-130	
1,2-Dichloroethane-d4 (S)	%			91	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 1546676

Parameter	Units	92265825023 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	18.8	93	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	462	115	70-130	
Benzene	ug/L	ND	20	23.8	117	70-130	
Diisopropyl ether	ug/L	ND	20	23.5	117	70-130	
Ethanol	ug/L	ND	800	992	124	70-130	
Ethyl-tert-butyl ether	ug/L	ND	40	49.9	125	70-130	
Ethylbenzene	ug/L	ND	20	22.9	108	70-130	
m&p-Xylene	ug/L	ND	40	46.5	110	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	23.0	115	70-130	
Naphthalene	ug/L	4.2J	20	24.3	101	70-130	
o-Xylene	ug/L	2.1J	20	21.7	98	70-130	
tert-Amyl Alcohol	ug/L	ND	400	478	120	70-130	
tert-Amylmethyl ether	ug/L	ND	40	43.5	109	70-130	
tert-Butyl Alcohol	ug/L	ND	200	370	185	70-130	M1
tert-Butyl Formate	ug/L	ND	160	ND	0	70-130	P5
Toluene	ug/L	ND	20	23.1	111	70-130	
1,2-Dichloroethane-d4 (S)	%				92	70-130	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 1546677

Parameter	Units	92265825025 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: COASTAL 76 TRUCK STOP
Pace Project No.: 92265825

SAMPLE DUPLICATE: 1546677

Parameter	Units	92265825025 Result	Dup Result	RPD	Max RPD	Qualifiers
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	102	1		
4-Bromofluorobenzene (S)	%	97	99	2		
Toluene-d8 (S)	%	109	103	6		

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP
Pace Project No.: 92265825

QC Batch:	OEXT/37478	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	GCS 8011 EDB DBCP
Associated Lab Samples:	92265825001, 92265825002, 92265825003, 92265825004, 92265825005, 92265825006, 92265825007, 92265825008, 92265825009, 92265825010, 92265825011, 92265825012, 92265825013, 92265825014		

METHOD BLANK: 1546719 Matrix: Water
Associated Lab Samples: 92265825001, 92265825002, 92265825003, 92265825004, 92265825005, 92265825006, 92265825007, 92265825008, 92265825009, 92265825010, 92265825011, 92265825012, 92265825013, 92265825014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	09/03/15 02:44	
1-Chloro-2-bromopropane (S)	%	103	60-140	09/03/15 02:44	

LABORATORY CONTROL SAMPLE & LCSD: 1546720			1546721							
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	0.33	0.31	118	106	60-140	7	20	
1-Chloro-2-bromopropane (S)	%				111	101	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1546722					1546723							
Parameter	Units	92265559036 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	.27	.27	0.31	0.32	112	118	60-140	5	20	
1-Chloro-2-bromopropane (S)	%						108	114	60-140			

SAMPLE DUPLICATE: 1546724						
Parameter	Units	92265559037 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	111	103	8		

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP
Pace Project No.: 92265825

QC Batch:	OEXT/37504	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	GCS 8011 EDB DBCP
Associated Lab Samples:	92265825015, 92265825016, 92265825017, 92265825018, 92265825019, 92265825020, 92265825021, 92265825022, 92265825023, 92265825024, 92265825025, 92265825026, 92265825027, 92265825028, 92265825029		

METHOD BLANK:	1547787	Matrix:	Water
Associated Lab Samples:	92265825015, 92265825016, 92265825017, 92265825018, 92265825019, 92265825020, 92265825021, 92265825022, 92265825023, 92265825024, 92265825025, 92265825026, 92265825027, 92265825028, 92265825029		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	09/03/15 16:40	
1-Chloro-2-bromopropane (S)	%	110	60-140	09/03/15 16:40	

LABORATORY CONTROL SAMPLE & LCSD:		1547788		1547789							
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	0.31	0.32	108	108	60-140	2	20		
1-Chloro-2-bromopropane (S)	%				110	108	60-140				

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												
1547790					1547791							
Parameter	Units	92265825019 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	0.32	110	116	60-140	5	20	
1-Chloro-2-bromopropane (S)	%						114	118	60-140			

SAMPLE DUPLICATE:		92265825024		Dup Result		RPD		Max RPD		Qualifiers	
Parameter	Units	Result									
1,2-Dibromoethane (EDB)	ug/L	0.13		0.13		5		20			
1-Chloro-2-bromopropane (S)	%	113		112		1					

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QUALIFIERS

Project: COASTAL 76 TRUCK STOP
Pace Project No.: 92265825

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

C2	Relative percent difference between results from each column was greater than 40%. The lower of the two results was reported.
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.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COASTAL 76 TRUCK STOP
Pace Project No.: 92265825

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92265825001	MW-1	EPA 8011	OEXT/37478	EPA 8011	GCSV/22480
92265825002	MW-2	EPA 8011	OEXT/37478	EPA 8011	GCSV/22480
92265825003	MW-3	EPA 8011	OEXT/37478	EPA 8011	GCSV/22480
92265825004	MW-4	EPA 8011	OEXT/37478	EPA 8011	GCSV/22480
92265825005	MW-6	EPA 8011	OEXT/37478	EPA 8011	GCSV/22480
92265825006	MW-7	EPA 8011	OEXT/37478	EPA 8011	GCSV/22480
92265825007	MW-8	EPA 8011	OEXT/37478	EPA 8011	GCSV/22480
92265825008	MW-10R	EPA 8011	OEXT/37478	EPA 8011	GCSV/22480
92265825009	MW-11	EPA 8011	OEXT/37478	EPA 8011	GCSV/22480
92265825010	MW-14	EPA 8011	OEXT/37478	EPA 8011	GCSV/22480
92265825011	MW-15	EPA 8011	OEXT/37478	EPA 8011	GCSV/22480
92265825012	MW-16	EPA 8011	OEXT/37478	EPA 8011	GCSV/22480
92265825013	MW-17	EPA 8011	OEXT/37478	EPA 8011	GCSV/22480
92265825014	MW-18	EPA 8011	OEXT/37478	EPA 8011	GCSV/22480
92265825015	MW-19	EPA 8011	OEXT/37504	EPA 8011	GCSV/22495
92265825016	MW-20	EPA 8011	OEXT/37504	EPA 8011	GCSV/22495
92265825017	MW-21	EPA 8011	OEXT/37504	EPA 8011	GCSV/22495
92265825018	MW-22	EPA 8011	OEXT/37504	EPA 8011	GCSV/22495
92265825019	MW-22D	EPA 8011	OEXT/37504	EPA 8011	GCSV/22495
92265825020	MW-23	EPA 8011	OEXT/37504	EPA 8011	GCSV/22495
92265825021	MW-26	EPA 8011	OEXT/37504	EPA 8011	GCSV/22495
92265825022	MW-27	EPA 8011	OEXT/37504	EPA 8011	GCSV/22495
92265825023	MW-28	EPA 8011	OEXT/37504	EPA 8011	GCSV/22495
92265825024	TW-1	EPA 8011	OEXT/37504	EPA 8011	GCSV/22495
92265825025	TW-2	EPA 8011	OEXT/37504	EPA 8011	GCSV/22495
92265825026	IGWA-A	EPA 8011	OEXT/37504	EPA 8011	GCSV/22495
92265825027	FIELD BLANK	EPA 8011	OEXT/37504	EPA 8011	GCSV/22495
92265825028	MW-7 DUP	EPA 8011	OEXT/37504	EPA 8011	GCSV/22495
92265825029	IGWA-A DUP	EPA 8011	OEXT/37504	EPA 8011	GCSV/22495
92265825001	MW-1	EPA 8260	MSV/33219		
92265825002	MW-2	EPA 8260	MSV/33219		
92265825003	MW-3	EPA 8260	MSV/33219		
92265825004	MW-4	EPA 8260	MSV/33219		
92265825005	MW-6	EPA 8260	MSV/33219		
92265825006	MW-7	EPA 8260	MSV/33219		
92265825007	MW-8	EPA 8260	MSV/33219		
92265825008	MW-10R	EPA 8260	MSV/33219		
92265825009	MW-11	EPA 8260	MSV/33219		
92265825010	MW-14	EPA 8260	MSV/33219		
92265825011	MW-15	EPA 8260	MSV/33219		
92265825012	MW-16	EPA 8260	MSV/33220		
92265825013	MW-17	EPA 8260	MSV/33219		
92265825014	MW-18	EPA 8260	MSV/33219		
92265825015	MW-19	EPA 8260	MSV/33219		
92265825016	MW-20	EPA 8260	MSV/33219		
92265825017	MW-21	EPA 8260	MSV/33219		
92265825018	MW-22	EPA 8260	MSV/33219		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92265825019	MW-22D	EPA 8260	MSV/33219		
92265825020	MW-23	EPA 8260	MSV/33220		
92265825021	MW-26	EPA 8260	MSV/33220		
92265825022	MW-27	EPA 8260	MSV/33220		
92265825023	MW-28	EPA 8260	MSV/33220		
92265825024	TW-1	EPA 8260	MSV/33220		
92265825025	TW-2	EPA 8260	MSV/33220		
92265825026	IGWA-A	EPA 8260	MSV/33220		
92265825027	FIELD BLANK	EPA 8260	MSV/33219		
92265825028	MW-7 DUP	EPA 8260	MSV/33220		
92265825029	IGWA-A DUP	EPA 8260	MSV/33220		
92265825030	TRIP BLANK	EPA 8260	MSV/33219		

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, Inc..



Document Name:
Sample Condition Upon Receipt (SCUR)
Document Number:
F-CHR-CS-003-rev.16

Document Revised: May 10, 2010
Page 1 of 2*
Issuing Authority:
Pace Huntersville Quality Office

Client Name: SCDHEC-UT

* Page 2 of 2 is for Internal Use Only

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.: 4.3 °C

Biological Tissue is Frozen: Yes No N/A

Date and Initials of person examining contents: TH 9/1/15

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. no time on containers
-Includes date/time/ID/Analysis Matrix: <u>UT</u>		
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. (P1) 2 vials line 3, 1 vial line 4, 2 vials line 5
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	16. 1 vial line 7, 2 vials line 9
Trip Blank Custody Seals Present	☐ Yes ☒ No ☐ N/A	(P2) 2 vials line 1, 2 vials line 3, 4 vials line 6
Pace Trip Blank Lot # (if purchased):		(P3) line 1 4 vials, line 5 2 vials, line 10 1 vial

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review:

TC

Date:

9/1/15

SRF Review:

TC

Date:

9/3/15

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#: 92265825



92265825

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: <u>2</u> of <u>3</u> 1999524	
Company: <u>SLDHEC-UST</u>		Report To: <u>J. Bryant-UST</u>		Attention:		REGULATORY AGENCY ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☒ UST ☐ RCRA ☐ OTHER _____	
Address: <u>2600 Bull Street</u>		Copy To:		Company Name:			
Columbia, SC 29201				Address:			
Email To: <u>bryantjc@dhec.sc.gov</u>		Purchase Order No.: <u>4600422513</u>		Pace Quote Reference:		Site Location	
Phone: <u>803-898-0606</u> Fax: <u>803-898-0673</u>		Project Name: <u>Coastal 76 Truck Stop</u>		Pace Project Manager: <u>T. Carter</u>		STATE: <u>SC</u> <u>Florence</u>	
Requested Due Date/TAT:		Project Number:		Pace Profile #:			

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		BTEX NM	12-DCA	8 Days	EDR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	<i>Peter J. W. He</i>	8/3/15	17:00	<i>[Signature]</i>	9-15	1245				
	<i>[Signature]</i>	9-15	1455	<i>[Signature]</i>	9-15	1455	4.3	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Peter J. W. He</i>					
SIGNATURE of SAMPLER: <i>[Signature]</i> DATE Signed (MM/DD/YY): <i>08/31/15</i>					



Catherine E. Heigel, Director

Promoting and protecting the health of the public and the environment

03538



MAR 3 2016

BRYAN SHANE
MIDLANDS ENVIRONMENTAL CONSULTANTS
PO BOX 854
LEXINGTON SC 29071

Re: **Site Specific Work Plan Request**
Groundwater Sampling Contract
Solicitation # IFB-5400007403, PO#4600462997

Dear Mr. Shane:

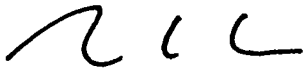
In accordance with bid solicitation # IFB-5400007403 and the UST Management Division Quality Assurance Program Plan (QAPP), Revision 3.0 it is requested that you submit a Site Specific Work Plan for each site listed below. The plans must be submitted **within 15 business days** to my attention. The project 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
14887	Hardees	Spartanburg	25-BTEXMN, DCA, Oxygenates and EDB	M. Milenkova
01446	Derst Baking Company	Charleston	25-BTEXMN, 1-EDB (Only in DW-2)	M. Hornosky
18662	Bay Creek Villas	Colleton	26-BTEXMN, DCA, Oxygenates and EDB	J. Bryant
09983	Country Store	Beaufort	8-BTEXMN, DCA, Oxygenates and EDB	J. Bryant
16428	Dr Tire	Beaufort	22-BTEXMN, DCA, Oxygenates and EDB	J. Bryant
15170	Silken Webb Flower and Gift	Beaufort	17-BTEXMN, DCA, Oxygenates and EDB	J. Bryant
18234	Busseys Grocery	McCormick	25-BTEXMN, DCA, Oxygenates and EDB	J. Bryant
04887	Warren Green	Jasper	25-BTEXMN, DCA, Oxygenates and EDB	J. Bryant
10658	Joker Joes Truck Stop	Jasper	30-BTEXMN, DCA, Oxygenates and EDB	J. Bryant
05289	Burnettes Service Station	Jasper	33-BTEXMN, DCA, Oxygenates and EDB	J. Bryant
04735	Pavan Food Store	Greenwood	20-BTEXMN, DCA, Oxygenates and EDB	J. Bryant
03538	Coastal 76 Truck Stop	Florence	30-BTEXMN, DCA, Oxygenates and EDB	M. Milenkova
08344	Duncan Station	Spartanburg	18-BTEXMN, DCA, Oxygenates and EDB	M. Rivers
19646	Former Dabneys Amoco	Kershaw	7-BTEXMN, DCA, Oxygenates and EDB	K. Barnes

*The number of samples do not include trip blanks, field blanks, or field duplicate

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) 898-0606 or bryantjc@dhec.sc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'JCB', is positioned above the typed name.

John C. Bryant, Hydrogeologist
Corrective Action Section
UST Management Division
Bureau of Land & Waste Management

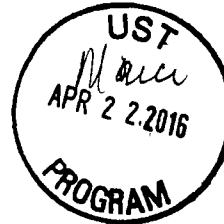
enc: Site Information Packages

cc: Technical Files



April 22, 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
Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID Number 03538
MECI Project Number 16-5531
Certified Site Rehabilitation Contractor UCC-0009

Dear Mr. Bryant,

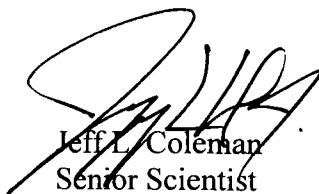
Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Site-Specific Work Plan for the referenced site.

On April 20, 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.


Todd D. Elder
Staff Hydrogeologist


Jeff L. Coleman
Senior Scientist



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

To: Mr. John Bryant (SCDHEC Project Manager)
 From: Mr. Jeff Coleman (Contractor Project Manager)
 Contractor: Midlands Environmental Consultants, Inc. UST Contractor Certification Number: 009

Facility Name: Coastal 76 Truck Stop UST Permit #: 03538
 Facility Address: 2513 East Palmetto Street, Florence, SC
 Responsible Party: Dan McEachin Phone: 803-651-8835
 RP Address: 1007 Wentworth Drive, Florence, SC 29501
 Property Owner (if different): SAA
 Property Owner Address: SAA
 Current Use of Property: Auto Garage

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
 _____ 32 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 #: 03538 Facility Name: Coastal 76 Truck Stop

Implementation Schedule (Number of calendar days from approval)

Field Work Start-Up: 4/20/16

Field Work Completion: 5/20/16

Report Submittal: 6/20/16

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: 350.0

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/repared, well pads/bolts/caps to replace, details of AFVR event, etc.

-During the initial site visit, monitoring wells IGWA, MW-10R, and MW-28 were not located. IGWA is believed to have been destroyed or is beneath a large dumpster. MW-10R is thought to be buried or destroyed, and is in an area of disturbed pavement. MW-28 is located in a densely wooded area and was not located. If any of these monitoring wells are located during the sampling event, they will be sampled accordingly.

-As the last sampling event was less than one year ago, only the monitoring wells not bracketing the water table will be purged prior sample collection, unless otherwise requested by SCDHEC personnel.

-All samples will be analysed for BTEXNM, 1,2-DCA, 8-OXY and EDB.

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: _____

N/A 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	Proposed monitoring well locations
Location of property lines	Legend with facility name and address, UST permit number, and bar scale
Location of buildings	Streets or highways (indicate names and numbers)
Previous soil sampling locations	Location of all present and former ASTs and USTs
Previous monitoring well locations	Location of all potential receptors
Proposed soil boring locations	
3. Assessment Component Cost Agreement, SCDHEC Form D-3664



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: Coastal 76 Truck Stop

UST Permit #: 03538

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	32	per well	\$16.00		\$512.00
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. Passive Diffusion Bag		each	\$20.00		\$0.00
H1. Field Blank	1	each	\$10.00		\$10.00
17. Disposal* (gallons or tons)					
AA. Disposal/Water	350	gallons	\$1.00		\$350.00
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					\$1,582.00



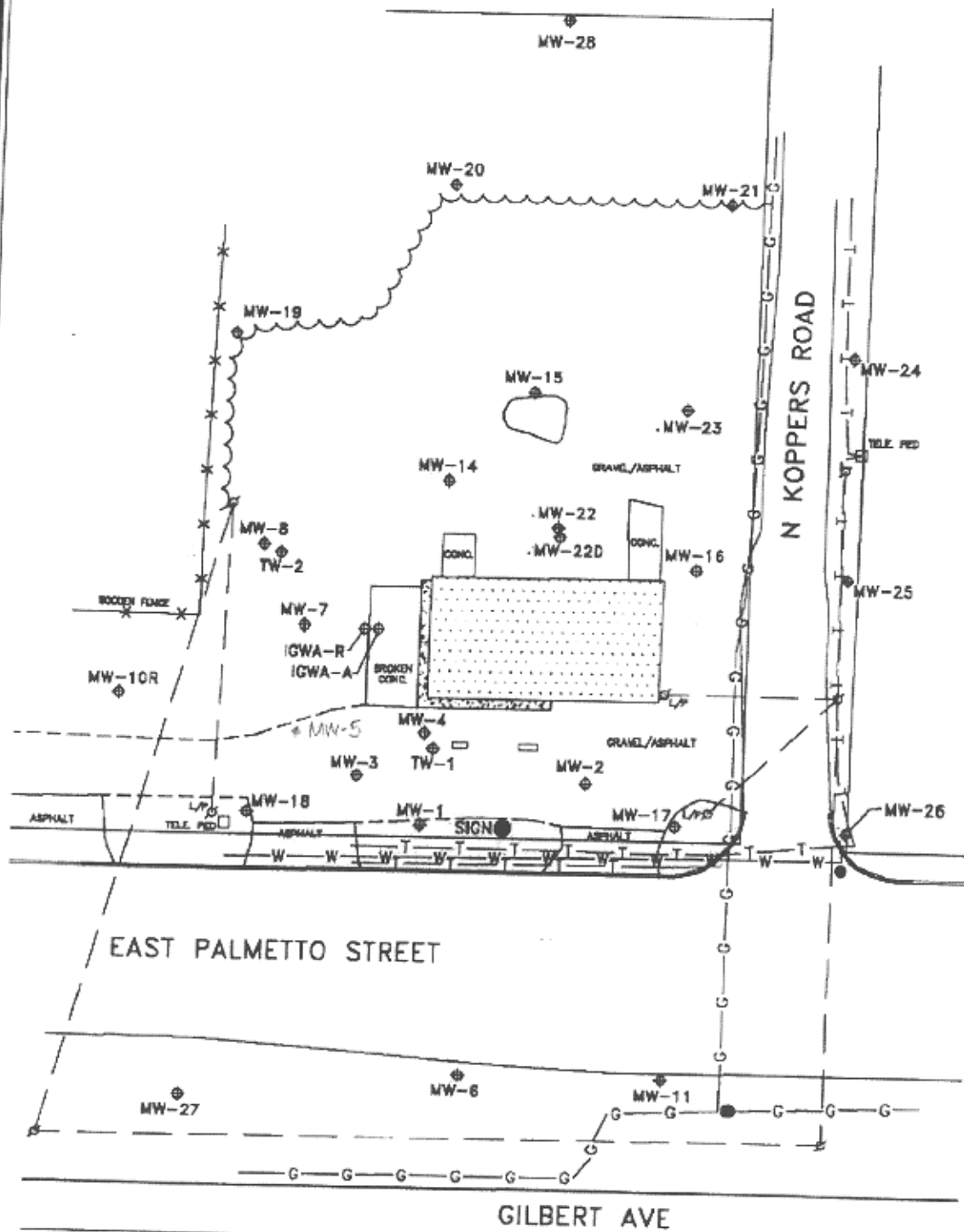
Midlands
Environmental
Consultants, Inc.

Site Location

Coastal 76 Truck Stop
2513 East Palmetto Street, Florence, SC
SCDHEC Site ID# 03538

Figure 1

MECI 12-3980



REFERENCE: Site Survey by Southern Land Surveying dated 5 December 2014

Groundwater Monitoring Well

APPROXIMATE SCALE IN FEET



Title	Site Base Map
Project	Coastal 70 Tract Map (OST Permit #03558) 2513 East Palmetto Street Florence, South Carolina Florence County
Date	12/12/2014
Job No.	214-010-A
petra.tech	Figure No. 1



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**

MAY 19 2016

Re: Notice to Proceed-Site Specific Work Plan Approval
Groundwater Sampling Contract
Solicitation # IFB-5400007403, PO#4600484321
Coastal 76 Truck Stop, 2513 E. Palmetto Street, Florence, SC
UST Permit # 03538; CA # 52479; CA #52480(Pace)
Florence 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 (SSWP) has been reviewed and approved. **Please note that additional cost was approved for providing historic data table to include groundwater elevation and analytical results as it was requested in June 2015.** 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) 898-0592 or via e-mail at milenkmp@dhec.sc.gov. If you have any contract specific questions, please contact John Bryant at (803) 898-0614 or via e-mail at bryantjc@dhec.sc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Maia Milenkova", with a long horizontal flourish extending to the right.

Maia Milenkova, Hydrogeologist
Assessment 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 enc.)
Trey Carter, Pace Analytical Services, 9800 Kincey Ave, Ste 100, Huntersville, NC 28078 (w/
approved CA)
Technical Files (w/ enc.)

Approved Cost Agreement 52480

Facility 03538 COASTAL 76 TRUCK STOP

MILENKMP

PO Number:

<u>Task / Description</u>	<u>Categories</u>	<u>Item Description</u>	<u>Qty / Pct</u>	<u>Unit Price</u>	<u>Amount</u>
11 ANALYSES					
	GW GROUNDWATER	A2 BTEXNM+OXYGS+1,2-DCA+ETH-8260B	36 0000	\$19 000	684.00
		F1 EDB BY 8011	35.0000	\$18 000	630 00
Total Amount					1,314 00

Approved Cost Agreement**52479**

Facility 03538 COASTAL 76 TRUCK STOP

MILENKMP

PO Number

<u>Task / Description</u>	<u>Categories</u>	<u>Item Description</u>	<u>Qty / Pct</u>	<u>Unit Price</u>	<u>Amount</u>
04 MOB/DEMOB		B1 PERSONNEL	2.0000	\$350.000	700 00
10 SAMPLE COLLECTION		A1 GROUNDWATER (PURGE)	32 0000	\$16 000	512 00
		H1 FIELD BLANK	1.0000	\$10 000	10.00
17 DISPOSAL		AA WASTEWATER	350 0000	\$1 000	350 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					1,582 00

 **Midlands
Environmental
Consultants, Inc.**



June 13, 2016

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
Coastal 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID Number 03538; CA # 52479
MECI Project Number 16-5531
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 (Costal 76 Truck Stop) is located at 2513 East Palmetto Street, Florence, Florence County, South Carolina. The subject site formally maintained four underground storage tanks (UST's), including one 2,000 gallon gasoline UST, one 3,000 gallon gasoline UST, one 1,000 gallon gasoline UST, and one 2,000 gallon diesel UST. These UST's were abandoned by removal from ground in August of 1995. The South Carolina Department of Health and Environmental Control reported a release of petroleum product for the subject UST's in September of 1995 and confirmed this release in August of 1997. The subject site is currently rated a Class 3BF.

The above information is based on reports and correspondence obtained from MECI field notes and SCDHEC files.

MONITORING WELL SAMPLING AND CHEMICAL ANALYSIS

On June 1, 2016, MECI personnel collected groundwater samples from twenty-four (24) monitoring wells at the subject site. Monitoring wells MW-4, MW-9, MW-10, MW-10R, MW-16, MW-20, MW-28, and TW-1 were not located during sampling activities. MECI personnel took pictures of the

locations where monitoring wells were covered (Please find attached photos). Based on the request by SCDHEC personnel, all monitoring wells were to be purged prior to sample collection. Twenty-four (24) monitoring wells were purged 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. 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 during the sampling event:

Monitoring Well	Purge	No Purge	Gauge Only	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)	Lead (EPA Method 6010)	Sulfate (EPA Method 375.2)	Nitrate (EPA Method 335.2)	Methane (BSK Method)	PAH's (EPA Method 8270)	Ferrous Iron (Field Test)
					Analyte Sampled									
IGWA	X				X	X	X	X						
IGWA-R	X				X	X	X	X						
MW-1	X				X	X	X	X						
MW-2	X				X	X	X	X						
MW-3	X				X	X	X	X						
MW-4				X										
MW-5	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-10R				X										
MW-11	X				X	X	X	X						
MW-14	X				X	X	X	X						
MW-15	X				X	X	X	X						
MW-16				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 8260-B)	EDB (EPA Method 8011)	1,2 DCA (EPA Method 8260-B)	8 Oxygenates (EPA Method 8260-B)	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-17	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				X	X	X	X						
MW-22	X				X	X	X	X						
MW-22D	X				X	X	X	X						
MW-23	X				X	X	X	X						
MW-24	X				X	X	X	X						
MW-25	X				X	X	X	X						
MW-26	X				X	X	X	X						
MW-27	X				X	X	X	X						
MW-28				X										
TW-1				X										
TW-2	X				X	X	X	X						
Dup. 1 (IGWA)					X	X	X	X						
Dup. 2 (IGWA R)					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														

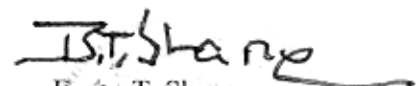
Purge water produced by the purging process was treated on-site utilizing a granular activated carbon unit. A total of 220.50 gallons of purge water was disposed of in this manner. A disposal manifest for the referenced purge water is attached at the end of this report.

Please feel free to contact us at 803-808-2043 if you have any immediate questions or comments.

Sincerely,
Midlands Environmental Consultants, Inc.


Jeff L. Coleman
Senior Scientist

Attachments:


Bryan T. Shane
Principal Geologist

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 #: 03538
Facility Name: Coastal 76 Truck Stop
County: Florence
Field Personnel: J. Flyod, J. Phillips, C. Hansen, P. Wylie



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
IGWA	Y	6/1/16	11:54	TD:16.74	***	4.61	***	1.43	9.00	Odor / Duplicated
IGWA"R"	Y	6/1/16	11:50	11.00-21.00	***	4.49	***	1.57	9.00	Odor / Duplicated
MW-1	Y	6/1/16	13:08	TD:17.80	***	5.16	***	Sheen	8.50	Odor / Sheen
MW-2	Y	6/1/16	13:10	TD:18.30	***	4.57	***	0.86	9.00	No Odor
MW-3	Y	6/1/16	12:56	TD:18.20	***	4.68	***	0.80	10.00	Odor
MW-4	N	6/1/16	NL	TD:18.35	***	NL	***	NL	NL	Not Located / Under Stack of Plywood
MW-5	Y	6/1/16	12:30	8.29-18.29	***	4.35	***	0.88	10.00	Slight Odor
MW-6	Y	6/1/16	10:06	8.29-18.29	***	5.13	***	1.39	5.00	No Odor
MW-7	Y	6/1/16	12:41	8.38-18.38	***	3.97	***	0.68	10.00	No Odor
MW-8	Y	6/1/16	12:00	8.29-18.29	***	3.08	***	1.30	10.00	No Odor
MW-9	N	6/1/16	NL	8.33-18.33	***	NL	***	NL	NL	Not Located / Not on Provided Map
MW-10	N	6/1/16	NL	TD:18.25	***	NL	***	NL	NL	Not Located / Not on Provided Map
MW-10R	N	6/1/16	NL	1.61-11.61	***	NL	***	NL	NL	Not Located / Under Sheet Metal
MW-11	Y	6/1/16	10:07	8.42-18.42	***	5.36	***	2.52	5.50	No Odor
MW-14	Y	6/1/16	11:15	8.29-18.29	***	3.43	***	5.43	8.00	No Odor
									94.00	TOTAL GALLONS PURGED

Site Activity Summary

UST Permit #: 03538
Facility Name: Coastal 76 Truck Stop
County: Florence
Field Personnel: J. Flyod, J. Phillips, C. Hansen, P. Wylie



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-15	Y	6/1/16	10:32	10.00-20.00	***	3.00	***	5.03	8.50	No Odor
MW-16	Y	6/1/16	NL	11.00-21.00	***	NL	***	NL	NL	Not Located / Under Stack of Wood
MW-17	Y	6/1/16	11:40	11.00-21.00	***	4.54	***	1.32	8.50	Odor
MW-18	Y	6/1/16	12:15	11.00-21.00	***	4.93	***	2.18	8.00	No Odor
MW-19	Y	6/1/16	10:34	2.12-12.12	***	3.13	***	2.26	6.50	No Odor
MW-20	Y	6/1/16	NL	4.50-14.50	***	NL	***	NL	NL	Not Located / Under Pile of Scrap
MW-21	Y	6/1/16	10:33	2.75-12.75	***	2.63	***	1.65	7.00	No Odor
MW-22	Y	6/1/16	10:47	5.09-15.09	***	4.31	***	4.54	6.50	No Odor
MW-22D	Y	6/1/16	11:22	39.23-44.23	***	6.32	***	1.53	31.00	No Odor
MW-23	Y	6/1/16	10:44	5.57-15.57	***	3.22	***	3.21	6.50	No Odor
MW-24	Y	6/1/16	10:17	2.99-12.99	***	3.30	***	2.70	3.50	No Odor
MW-25	Y	6/1/16	10:18	3.16-13.16	***	3.40	***	3.68	3.50	No Odor
MW-26	Y	6/1/16	10:19	4.86-14.86	***	4.51	***	3.94	4.00	No Odor
MW-27	Y	6/1/16	10:07	5.05-15.05	***	3.96	***	1.71	6.00	No Odor
MW-28	N	6/1/16	NL	2.97-12.97	***	NL	***	NL	NL	Not Located / Under Pile of Used Tires
									99.50	TOTAL GALLONS PURGED

Site Activity Summary

UST Permit #:
03538

Facility Name:
Coastal 76 Truck Stop

County:
Florence

Field Personnel:
J. Flyod, J. Phillips, C. Hansen, P. Wylie

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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
TW-1	N	6/1/16	NL	31.00-36.00	***	NL	***	NL	NL	Not Located / Under Stack of Plywood
TW-2	Y	6/1/16	11:30	31.00-36.00	***	3.53	***	5.11	27.00	No Odor
Dup. 1 (IGWA)	Y	6/1/16	11:54	***	***	***	***	***	***	Duplicate Sample
Dup. 2 (IGWA R)	Y	6/1/16	11:50	***	***	***	***	***	***	Duplicate Sample
Field Blank	Y	6/1/16	13:20	***	***	***	***	***	***	Field Blank
Trip Blank	Y	6/1/16	13:22	***	***	***	***	***	***	Trip Blank
									27.00	TOTAL GALLONS PURGED

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Consultants, Inc.

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW, JP, CH, JF		
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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:	IGWA-A	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)	IGWA	Screened Interval (ft.):			---	Total Well Depth (TWD) (ft.):		16.74	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			4.61	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	12.13	1 casing volume (CV = LWC x C) (gals.):			1.98	5 casing volumes (5 x CV) (gals.):		9.89	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	1.98	3.95	5.93	7.91	9.89			
Time (military)	11:45	11:47	11:49	11:51	11:53			11:54	
PH (s.u.)	5.76	5.21	5.68	5.64	5.63			5.64	
Specific Conductivity (µS/cm)	149.0	148.5	147.8	147.0	146.2			145.5	
Water Temperature (°C)	21.9	21.9	21.8	21.7	21.5			21.5	
Dissolved Oxygen (mg/L)	1.43	1.37	1.44	1.59	1.62			1.62	
Turbidity (NTU)	19.68	43.61	72.53	147.6	172.3			204.4	
Sampling Data									
Sampled By:	PW, JP, CH, JF	Sampling Time:	11:54	Duplicate: Y or N	Y	If yes, Duplicate Time:	11:54	Total Gallons Purged:	9.00
Notes:									
Odor; Duplicated; 9.00 Gallons Purged									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW, JP, CH, JF
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89

Quality Assurance

Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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:	IGWA-R	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)	IGWA	Screened Interval (ft.):	11-21	Total Well Depth (TWD) (ft.):	21
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	4.49	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	16.51	1 casing volume (CV = LWC x C) (gals.):	2.69	5 casing volumes (5 x CV) (gals.):	13.46

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	2.69	5.38	8.07	10.76	13.46		
Time (military)	11:42	11:44	11:46	11:48				11:50
PH (s.u.)	5.65	5.72	5.77	5.80				5.79
Specific Conductivity (µS/cm)	150.6	151.2	152	153.6				153.7
Water Temperature (°C)	21.8	20.0	20.1	20.1				20.2
Dissolved Oxygen (mg/L)	1.57	1.62	1.79	1.8				1.82
Turbidity (NTU)	17.61	43.61	79.3	142.6				201.4

Sampling Data

Sampled By:	PW, JP, CH, JF	Sampling Time:	11:50	Duplicate: Y or N	Y	If yes, Duplicate Time:	11:50	Total Gallons Purged:	9.00
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Notes: Odor; Duplicated; 9.00 Gallons Purged

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW, JP, CH, JF		
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89		

Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-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.):	---	Total Well Depth (TWD) (ft.):	17.8
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	5.16	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	12.64	1 casing volume (CV = LWC x C) (gals.):	2.06	5 casing volumes (5 x CV) (gals.):	10.30

Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	2.06	4.12	6.18	8.24	10.30		
Time (military)	13:00	13:02	13:04	13:06	13:08			13:08
PH (s.u.)	Sheen	Sheen	Sheen	Sheen	Sheen			Sheen
Specific Conductivity (µS/cm)	Sheen	Sheen	Sheen	Sheen	Sheen			Sheen
Water Temperature (°C)	Sheen	Sheen	Sheen	Sheen	Sheen			Sheen
Dissolved Oxygen (mg/L)	Sheen	Sheen	Sheen	Sheen	Sheen			Sheen
Turbidity (NTU)	Sheen	Sheen	Sheen	Sheen	Sheen			Sheen

Sampling Data									
Sampled By:	PW, JP, CH, JF	Sampling Time:	13:08	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	8.50

Notes:

Odor; 8.50 Gallons Purged. Sheen

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 75 Truck Stop	Field Personnel:	PW, JP, CH, JF			
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89			
Quality Assurance										
Meter Name	Serial #:		Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448		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)	12G102878		Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183		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.):		---		Total Well Depth (TWD) (ft.):		18.30	
Depth to Free Product (DFP) (ft.):	ND		Depth to Groundwater (DGW) (ft.):		4.57		Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	13.73		1 casing volume (CV = LWC x C) (gals.):		2.24		5 casing volumes (5 x CV) (gals.):		11.19	
Purging Data										
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling		
Volume Purged (gallons)	0.00	2.24	4.48	6.71	8.95	11.19				
Time (military)	13:01	13:03	13:05	13:07	13:09			13:10		
PH (s.u.)	6.05	6.12	6.18	6.20	6.21			6.19		
Specific Conductivity (µS/cm)	109.7	120.4	121.1	121.9	122.3			122.4		
Water Temperature (°C)	23.90	23.0	22.9	22.8	22.9			23.0		
Dissolved Oxygen (mg/L)	0.86	1.04	1.12	1.20	1.30			1.47		
Turbidity (NTU)	37.21	52.31	79.68	147.2	291.4			302.6		
Sampling Data										
Sampled By:	PW, JP, CH, JF		Sampling Time:	13:10	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	8.50
Notes: No Odor; 9.00 Gallons Purged.										

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW, JP, CH, JF	
County:	Florence	Project Manager:	Maisa Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89	

Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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.):	---	Total Well Depth (TWD) (ft.):	18.20
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	4.68	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	13.52	1 casing volume (CV = LWC x C) (gals.):	2.20	5 casing volumes (5 x CV) (gals.):	11.02

Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	2.20	4.41	6.61	8.82	11.02		
Time (military)	12:47	12:49	12:51	12:53	12:55			12:56
PH (s.u.)	5.86	5.92	5.99	6.02	6.07			6.05
Specific Conductivity (µS/cm)	192.5	193.7	194.1	194.9	122.3			195.4
Water Temperature (°C)	24.2	23.0	22.9	22.9	22.9			23.1
Dissolved Oxygen (mg/L)	0.80	0.91	1.02	1.14	1.29			1.36
Turbidity (NTU)	12.72	36.41	72.68	99.1	142.6			199.4

Sampling Data									
Sampled By:	PW, JP, CH, JF	Sampling Time:	12:56	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	10.00

Notes:

Odor; 10.00 Gallons Purged.

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW; JP; CH; JF				
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89				
Quality Assurance											
Meter Name		Serial #:		Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)		15H101448		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)		12G102878		Y or N	Y						
MicroTPI/TPW (Turbidity)		201301183		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.):				---	Total Well Depth (TWD) (ft.):		18.35		
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):				---	Free Product Thickness (ft.):		Not Detected		
Length of water column (LWC = TWD – DGW) (ft.):	#VALUE!	1 casing volume (CV = LWC x C) (gals.):				#VALUE!	5 casing volumes (5 x CV) (gals.):		#VALUE!		
Purging Data											
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling			
Volume Purged (gallons)	0.00	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!					
Time (minutes)	---	---	---	---	---	---					
PH (s.u.)	---	---	---	---	---	---					
Specific Conductivity (µS/cm)	---	---	---	---	---	---					
Water Temperature (°C)	---	---	---	---	---	---					
Dissolved Oxygen (mg/L)	---	---	---	---	---	---					
Turbidity (NTU)	---	---	---	---	---	---					
Sampling Data											
Sampled By:	PW; JP; CH; JF	Sampling Time:		Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:			
Notes:											
Not Sampled. Under Stack of Ply wood											

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW: JP; CH; JF		
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-5	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.):			8.29-18.29	Total Well Depth (TWD) (ft.):		18.29	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			4.35	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	13.94	1 casing volume (CV = LWC x C) (gals.):			2.27	5 casing volumes (5 x CV) (gals.):		11.36	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	2.27	4.54	6.82	9.09	11.36			
Time (military)	12:20	12:22	12:24	12:26	12:28			12:30	
PH (s.u.)	5.35	5.41	5.52	5.52	5.55			5.57	
Specific Conductivity (µS/cm)	305.9	307.1	308.5	309.1	309.9			310.2	
Water Temperature (°C)	22.8	22.9	20.8	20.8	20.8			20.7	
Dissolved Oxygen (mg/L)	0.88	1.12	1.39	1.39	1.47			1.53	
Turbidity (NTU)	21.63	51.6	72.3	106.2	130.4			177.7	
Sampling Data									
Sampled By:	PW, JP; CH; JF	Sampling Time:	12:30	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	10.00
Notes:									
Slight Odor; 10.00 Gallons Purged.									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW; JP; CH; JF		
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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.):			8.29-18.29	Total Well Depth (TWD) (ft.):		18.29	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			4.35	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	13.94	1 casing volume (CV = LWC x C) (gals.):			2.27	5 casing volumes (5 x CV) (gals.):		11.36	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	2.27	4.54	6.82	9.09	11.36			
Time (military)	10:00	10:02	10:04					10:06	
PH (s.u.)	7.21	7.15	7.11					7.08	
Specific Conductivity (µS/cm)	146.3	145.4	144.9					144.8	
Water Temperature (°C)	22.1	19.4	19.5					19.7	
Dissolved Oxygen (mg/L)	1.39	1.23	1.16					1.09	
Turbidity (NTU)	15.21	71.43	111.4					137.6	
Sampling Data									
Sampled By:	PW; JP; CH; JF	Sampling Time:	12:30	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	5.00
Notes: No Odor; 5.00 Gallons Purged.									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW, JP, CH, JF
County:	Florence	Project Manager:	Mala Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89

Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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.):	8.38-18.38	Total Well Depth (TWD) (ft.):	18.38
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	3.97	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	14.41	1 casing volume (CV = LWC x C) (gals.):	2.35	5 casing volumes (5 x CV) (gals.):	11.74

Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	2.35	4.70	7.05	9.40	11.74		
Time (military)	12:32	12:34	12:36	12:38	12:40			12:41
PH (s.u.)	5.68	5.73	5.75	5.79	5.81			5.80
Specific Conductivity (µS/cm)	208.8	210.4	211.1	211.9	212.4			213.0
Water Temperature (°C)	21.1	21.0	20.9	20.9	20.7			20.4
Dissolved Oxygen (mg/L)	0.68	0.77	0.83	0.94	1.01			1.03
Turbidity (NTU)	20.40	39.61	47.14	92.68	147.2			203.4

Sampling Data									
Sampled By:	PW, JP, CH, JF	Sampling Time:	12:30	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	10.00

Notes:

No Odor; 10.00 Gallons Purged.

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW, JP, CH, JF		
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-B	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.):			8.29-18.29	Total Well Depth (TWD) (ft.):		18.29	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			3.08	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD - DGW) (ft.):	15.21	1 casing volume (CV = LWC x C) (gals.):			2.48	5 casing volumes (5 x CV) (gals.):		12.40	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	2.48	4.96	7.44	9.92	12.40			
Time (military)	11:49	11:50	11:53	11:56	11:59			12:00	
PH (s.u.)	5.73	5.68	5.67	5.68	5.69			5.71	
Specific Conductivity (µS/cm)	104.6	106.2	107.1	107.5	107.9			108.1	
Water Temperature (°C)	22.1	20.0	20.1	20.1	20.2			20.4	
Dissolved Oxygen (mg/L)	1.30	1.43	1.70	1.65	1.77			1.83	
Turbidity (NTU)	25.68	46.47	92.16	139.6	190.4			227.6	
Sampling Data									
Sampled By:	PW, JP, CH, JF	Sampling Time:	12:00	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	10.00
Notes:									
No Odor; 10.00 Gallons Purged.									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW, JP, CH, JF		
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-9	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.):			8.33-18.33	Total Well Depth (TWD) (ft.):		18.33	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			---	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	#VALUE!	1 casing volume (CV = LWC x C) (gals.):			#VALUE!	5 casing volumes (5 x CV) (gals.):		#VALUE!	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!			
Time (military)									
PH (s.u.)									
Specific Conductivity (µS/cm)									
Water Temperature (°C)									
Dissolved Oxygen (mg/L)									
Turbidity (NTU)									
Sampled By:	PW, JP, CH, JF	Sampling Time:	N/A	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	
Notes: Not Sampled. Not on Map 									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW; JP; CH; JF		
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-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.):			---	Total Well Depth (TWD) (ft.):		18.25	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			---	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	#VALUE!	1 casing volume (CV = LWC x C) (gals.):			#VALUE!	5 casing volumes (5 x CV) (gals.):		#VALUE!	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!			
Time (military)									
PH (s.u.)									
Specific Conductivity (µS/cm)									
Water Temperature (°C)									
Dissolved Oxygen (mg/L)									
Turbidity (NTU)									
Sampled By:	PW; JP; CH; JF	Sampling Time:	N/A	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	
Notes: Not Sampled. Not on Map									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW, JP, CH, JF			
County:	Florence	Project Manager:	Malia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89			
Quality Assurance										
Meter Name	Serial #:		Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448		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)	12G102878		Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183		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-10R		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.):		1.61-11.61		Total Well Depth (TWD) (ft.):		11.61	
Depth to Free Product (DFP) (ft.):	ND		Depth to Groundwater (DGW) (ft.):		---		Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD - DGW) (ft.):	#VALUE!		1 casing volume (CV = LWC x C) (gals.):		#VALUE!		5 casing volumes (5 x CV) (gals.):		#VALUE!	
Purging Data										
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling		
Volume Purged (gallons)	0.00	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!				
Time (military)										
PH (s.u.)										
Specific Conductivity (µS/cm)										
Water Temperature (°C)										
Dissolved Oxygen (mg/L)										
Turbidity (NTU)										
Sampled By:	PW, JP, CH, JF		Sampling Time:	N/A	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	
Notes:										
Not Sampled. Under Sheet Metal										

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW; JP; CH; JF		
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89		

Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-11	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.):	1.61-11.61	Total Well Depth (TWD) (ft.):	11.61
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	5.36	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	6.25	1 casing volume (CV = LWC x C) (gals.):	1.02	5 casing volumes (5 x CV) (gals.):	5.09

Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	1.02	2.04	3.06	4.08	5.09		
Time (military)	10:00	10:04	10:06					10:07
PH (s.u.)	6.30	6.21	6.19					6.20
Specific Conductivity (µS/cm)	82.5	83.4	83.9					84.2
Water Temperature (°C)	22.6	21.2	21.3					21.3
Dissolved Oxygen (mg/L)	3.52	2.43	2.37					2.3
Turbidity (NTU)	21.36	49.82	121.4					131.6

Sampling Data									
Sampled By:	PW; JP; CH; JF	Sampling Time:	10:07	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	5.50

Notes: No Odor; 5.50 gallons purged

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW; JP; CH; JF		
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89		

Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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.):	8.29-18.29	Total Well Depth (TWD) (ft.):	18.29
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	3.43	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	14.86	1 casing volume (CV = LWC x C) (gals.):	2.42	5 casing volumes (5 x CV) (gals.):	12.11

Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	2.42	4.84	7.27	9.69	12.11		
Time (military)	11:04	11:07	11:10	11:14				11:15
PH (s.u.)	5.28	5.84	5.92	5.95				5.95
Specific Conductivity (µS/cm)	66.2	65.3	64.7	64.5				65.1
Water Temperature (°C)	21.6	20.3	20.2	20.2				19.9
Dissolved Oxygen (mg/L)	5.43	5.52	5.52	5.70				5.91
Turbidity (NTU)	12.26	42.14	72.36	72.4				196.4

Sampling Data									
Sampled By:	PW; JP; CH; JF	Sampling Time:	10:07	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	8.00

Notes:

No Odor; 8.00 gallons purged

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW, JP, CH, JF		
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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 N	
YSI Pro 20 (Dissolved Oxygen)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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.):		10-20	Total Well Depth (TWD) (ft.):		20.00		
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):		3.43	Free Product Thickness (ft.):		Not Detected		
Length of water column (LWC = TWD – DGW) (ft.):	16.57	1 casing volume (CV = LWC x C) (gals.):		2.70	5 casing volumes (5 x CV) (gals.):		13.50		
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	2.70	5.40	8.10	10.80	13.50			
Time (military)	10:24	10:27	10:30					10:32	
PH (s.u.)	5.50	5.56	5.59					5.61	
Specific Conductivity (µS/cm)	50.4	51.2	52.0					52.2	
Water Temperature (°C)	22.4	21.4	21.6					21.7	
Dissolved Oxygen (mg/L)	5.03	5.14	5.21					5.26	
Turbidity (NTU)	10.12	71.3	114.7					139.8	
Sampling Data									
Sampled By:	PW, JP, CH, JF	Sampling Time:	10:32	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	
		8.50							
Notes:									
No Odor; 8.50 gallons purged									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW, JP, CH, JF		
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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	
YSI Pro 20 (Dissolved Oxygen)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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.):		11-21	Total Well Depth (TWD) (ft.):		21.00		
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):		3.43	Free Product Thickness (ft.):		Not Detected		
Length of water column (LWC = TWD – DGW) (ft.):	17.57	1 casing volume (CV = LWC x C) (gals.):		2.86	5 casing volumes (5 x CV) (gals.):		14.32		
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)			5.73	8.59	11.46	14.32			
Time (military)									
pH (s.u.)									
Specific Conductivity (µS/cm)									
Water Temperature (°C)									
Dissolved Oxygen (mg/L)									
Turbidity (NTU)									
Sampling Data									
Sampled By:	PW, JP, CH, JF	Sampling Time:	N/A	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	
Notes: Not Sampled; Under Stack of Wood									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW, JP, CH, JF	
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89	

Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-17	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.):	11-21	Total Well Depth (TWD) (ft.):	21.00
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	4.54	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	16.46	1 casing volume (CV = LWC x C) (gals.):	2.68	5 casing volumes (5 x CV) (gals.):	13.41

Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	2.68	5.37	8.05	10.73	13.41		
Time (military)	11:35	11:37	11:39					11:40
PH (s.u.)	5.56	5.61	5.70					5.72
Specific Conductivity (µS/cm)	83.3	84.0	84.2					84.3
Water Temperature (°C)	23.2	22.0	22					21.9
Dissolved Oxygen (mg/L)	1.32	1.49	1.60					1.62
Turbidity (NTU)	11.16	43.21	79.68					103.2

Sampling Data									
Sampled By:	PW, JP, CH, JF	Sampling Time:	11:40	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	8.50

Notes:

Odor: 8.50 gallons purged

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW, JP, CH, JF		
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89		

Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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.):	11-21	Total Well Depth (TWD) (ft.):	21.00
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	4.93	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	16.07	1 casing volume (CV = LWC x C) (gals.):	2.62	5 casing volumes (5 x CV) (gals.):	13.10

Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	2.62	5.24	7.86	10.48	13.10		
Time (military)	12:08	12:10	12:12	12:14				12:15
PH (s.u.)	5.59	5.51	5.49	5.44				5.45
Specific Conductivity (µS/cm)	40.3	41.7	42.1	42.9				43.6
Water Temperature (°C)	22.4	22.0	21.9	21.9				21.7
Dissolved Oxygen (mg/L)	2.18	2.37	2.21	2.77				2.56
Turbidity (NTU)	20.61	72.14	83.68	104.4				132

Sampling Data									
Sampled By:	PW, JP, CH, JF	Sampling Time:	12:15	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	8.00

Notes:

No Odor; 8.00 gallons purged

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW, JP, CH, JF		
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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.):			2.12-12.12	Total Well Depth (TWD) (ft.):		12.12	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			3.13	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	8.99	1 casing volume (CV = LWC x C) (gals.):			1.47	5 casing volumes (5 x CV) (gals.):		7.33	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	1.47	2.93	4.40	5.86	7.33			
Time (military)	10:25	10:27	10:29	10:32	10:33			10:34	
PH (s.u.)	5.59	5.67	5.72	5.74	5.74			5.73	
Specific Conductivity (µS/cm)	68.9	68.0	67.7	67.1	66.4			60.5	
Water Temperature (°C)	20.6	19.0	19.4	19.5	19.6			19.6	
Dissolved Oxygen (mg/L)	2.26	2.34	2.49	2.70	2.66			2.57	
Turbidity (NTU)	31.26	73.61	92.38	147.2	200.4			171.3	
Sampling Data									
Sampled By:	PW, JP, CH, JF	Sampling Time:	12:15	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	6.50
Notes:									
No Odor; 6.50 gallons purged									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW; JP; CH; JF		
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101446	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-20	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.):			4.50-14.50	Total Well Depth (TWD) (ft.):		14.50	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):				Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	14.5	1 casing volume (CV = LWC x C) (gals.):			2.36	5 casing volumes (5 x CV) (gals.):		11.82	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)		2.36	4.73	7.09	9.45	11.82			
Time (military)									
PH (s.u.)									
Specific Conductivity (µS/cm)									
Water Temperature (°C)									
Dissolved Oxygen (mg/L)									
Turbidity (NTU)									
Sampling Data									
Sampled By:	PW; JP; CH; JF	Sampling Time:		Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	
Notes:									
Not Sampled. Under Pile of Scrap									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW, JP, CH, JF	
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89	

Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-21	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.):	2.75-12.75	Total Well Depth (TWD) (ft.):	12.75
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	2.63	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	10.12	1 casing volume (CV = LWC x C) (gals.):	1.65	5 casing volumes (5 x CV) (gals.):	8.25

Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	1.65	3.30	4.95	6.60	8.25		
Time (military)	10:25	10:27	10:29	10:31	10:32			10:33
PH (s.u.)	6.10	6.15	6.21	6.20	6.18			6.17
Specific Conductivity (µS/cm)	113.5	112.7	112.0	111.7	111.9			112.2
Water Temperature (°C)	20.7	19.7	19.8	19.60	19.5			19.4
Dissolved Oxygen (mg/L)	1.65	1.73	1.82	1.97	2.03			2.14
Turbidity (NTU)	22.61	52.14	86.31	102.7	140.4			170.3

Sampling Data									
Sampled By:	PW, JP, CH, JF	Sampling Time:	10:33	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	7.00

Notes:

No Odor; 7.00 gallons purged

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW; JP; CH; JF	
County:	Florence	Project Manager:	Mala Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89	
Quality Assurance								
Meter Name	Serial #:	Calibration:						
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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
YSI Pro 20 (Dissolved Oxygen)	12G102878	Y or N	Y					
MicroTPI/TPW (Turbidity)	201301183	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-22	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.):		5.09-15.09		Total Well Depth (TWD) (ft.):		15.09
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):		4.31		Free Product Thickness (ft.):		Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	10.78	1 casing volume (CV = LWC x C) (gals.):		1.76		5 casing volumes (5 x CV) (gals.):		8.79
Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	1.76	3.51	5.27	7.03	8.79		
Time (military)	10:40	10:42	10:44	10:46				10:47
PH (s.u.)	6.00	6.05	6.12	6.14				6.15
Specific Conductivity (µS/cm)	59.1	60.0	60.4	60.7				60.9
Water Temperature (°C)	23.1	22.4	22.5	22.50				22.3
Dissolved Oxygen (mg/L)	4.54	4.47	4.31	4.27				4.16
Turbidity (NTU)	20.16	72.14	92.68	121.4				147.1
Sampling Data								
Sampled By:	PW; JP; CH; JF	Sampling Time:	10:33	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:
								6.50
Notes:								
No Odor; 6.50 gallons purged								

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW, JP, CH, JF		
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-22D	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.):			39.23-44.23	Total Well Depth (TWD) (ft.):		44.23	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			6.32	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	37.91	1 casing volume (CV = LWC x C) (gals.):			6.18	5 casing volumes (5 x CV) (gals.):		30.90	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	6.18	12.36	18.54	24.72	30.90			
Time (military)	10:50	10:56	11:02	11:08	11:16	11:22			
pH (s.u.)	5.96	6.01	6.07	6.05	6.05	6.04			
Specific Conductivity (µS/cm)	102.5	102.2	103.9	104.4	104.9	105.1			
Water Temperature (°C)	20.9	19.0	18.8	18.70	18.7	18.6			
Dissolved Oxygen (mg/L)	1.53	1.66	1.79	1.83	1.94	2.01			
Turbidity (NTU)	52.68	72.83	79.61	84.1	99.68	121.6			
Sampling Data									
Sampled By:	PW, JP, CH, JF	Sampling Time:	11:22	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	31.00
Notes:									
No Odor; 31.00 gallons purged									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03536	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW, JP, CH, JF
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89

Quality Assurance

Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-23	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.):	5.57-15.57	Total Well Depth (TWD) (ft.):	15.57
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	3.22	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	12.35	1 casing volume (CV = LWC x C) (gals.):	2.01	5 casing volumes (5 x CV) (gals.):	10.07

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	2.01	4.03	6.04	8.05	10.07		
Time (military)	10:37	10:39	10:41	10:43				10:44
PH (s.u.)	5.84	5.91	5.99	6.01				6.02
Specific Conductivity (µS/cm)	181.5	182.7	183.1	184.4				184.0
Water Temperature (°C)	22.4	21.0	20.9	20.80				20.8
Dissolved Oxygen (mg/L)	3.21	3.71	3.94	4.00				4.07
Turbidity (NTU)	19.14	56.71	79.36	100.2				143.8

Sampling Data

Sampled By:	PW, JP, CH, JF	Sampling Time:	10:44	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	6.50
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Note: No Odor; 6.50 gallons purged

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW, JP, CH, JF		
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-24	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.):		2.99-12.99		Total Well Depth (TWD) (ft.):		12.99	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):		3.30		Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	9.69	1 casing volume (CV = LWC x C) (gals.):		1.58		5 casing volumes (5 x CV) (gals.):		7.90	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	1.58	3.16	4.74	6.32	7.90			
Time (military)	10:11	10:13	10:15					10:17	
PH (s.u.)	5.67	5.6	5.62					5.63	
Specific Conductivity (µS/cm)	92.7	96.5	96.0					95.5	
Water Temperature (°C)	22.3	22.0	21.5					21.4	
Dissolved Oxygen (mg/L)	2.50	2.54	2.40					2.49	
Turbidity (NTU)	42.53	79.31	102.6					147.1	
Sampling Data									
Sampled By:	PW, JP, CH, JF	Sampling Time:	10:44	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	3.50
Notes:									
No Odor; 3.50 gallons purged									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW, JP, CH, JF		
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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.):			3.16-13.16	Total Well Depth (TWD) (ft.):		13.16	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			3.40	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	9.76	1 casing volume (CV = LWC x C) (gals.):			1.59	5 casing volumes (5 x CV) (gals.):		7.95	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	1.59	3.18	4.77	6.36	7.95			
Time (military)	10:13	10:15	10:17					10:18	
PH (s.u.)	5.66	5.72	5.79					5.83	
Specific Conductivity (µS/cm)	96.6	95.2	94.9					94.5	
Water Temperature (°C)	23.2	21.2	21.4					21.5	
Dissolved Oxygen (mg/L)	3.68	3.75	3.83					3.91	
Turbidity (NTU)	30.83	92.14	136.7					201.4	
Sampling Data									
Sampled By:	PW, JP, CH, JF	Sampling Time:	10:18	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	3.50
Notes:									
No Odor; 3.50 gallons purged									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW, JP, CH, JF
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89

Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-26	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.):	4.86-14.86	Total Well Depth (TWD) (ft.):	14.86
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	4.59	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	10.27	1 casing volume (CV = LWC x C) (gals.):	1.67	5 casing volumes (5 x CV) (gals.):	8.37

Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	1.67	3.35	5.02	6.70	8.37		
Time (minutes)	10:14	10:16	10:18					10:19
PH (s.u.)	5.85	5.91	5.93					5.04
Specific Conductivity (µS/cm)	123.6	122.1	121.7					121.5
Water Temperature (°C)	23.5	21.9	22.4					22.4
Dissolved Oxygen (mg/L)	3.94	4.02	4.14					4.17
Turbidity (NTU)	15.26	52.13	99.68					117.4

Sampling Data									
Sampled By:	PW, JP, CH, JF	Sampling Time:	10:19	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	4.00

Notes:

No Odor; 4.00 gallons purged

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW, JP, CH, JF	
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89	
Quality Assurance								
Meter Name	Serial #:	Calibration:						
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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
YSI Pro 20 (Dissolved Oxygen)	12G102878	Y or N	Y					
MicroTPI/TPW (Turbidity)	201301183	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-27	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.):			5.05-15.05	Total Well Depth (TWD) (ft.):		15.05
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			3.96	Free Product Thickness (ft.):		Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	11.09	1 casing volume (CV = LWC x C) (gals.):			1.81	5 casing volumes (5 x CV) (gals.):		9.04
Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	1.81	3.62	5.42	7.23	9.04		
Time (military)	10:00	10:02	10:04	10:06				10:07
pH (s.u.)	5.65	5.69	5.74	5.73				5.71
Specific Conductivity (µS/cm)	95.8	94.3	93.7	93.1				93.0
Water Temperature (°C)	22.6	21.1	20.7	20.80				20.9
Dissolved Oxygen (mg/L)	1.71	1.83	1.94	1.90				1.81
Turbidity (NTU)	19.14	40.17	83.68	127.3				175.1
Sampling Data								
Sampled By:	PW, JP, CH, JF	Sampling Time:	10:07	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:
6.00								
Notes:								
No Odor; 6.00 gallons purged								

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW; JP; CH; JF	
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89	

Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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.):	2.97-12.97	Total Well Depth (TWD) (ft.):	12.97
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):		Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	12.97	1 casing volume (CV = LWC x C) (gals.):	2.11	5 casing volumes (5 x CV) (gals.):	10.57

Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	2.11	4.23	6.34	8.46	10.57		
Time (military)								
PH (s.u.)								
Specific Conductivity (µS/cm)								
Water Temperature (°C)								
Dissolved Oxygen (mg/L)								
Turbidity (NTU)								

Sampling Data								
Sampled By:	PW; JP; CH; JF	Sampling Time:		Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:

Notes:

Not Sampled. Under Pile of Used Tires

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW; JP; CH; JF		
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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:	TW-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)	TW	Screened Interval (ft.):			31-36	Total Well Depth (TWD) (ft.):		36.00	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):				Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	36	1 casing volume (CV = LWC x C) (gals.):			5.87	5 casing volumes (5 x CV) (gals.):		29.34	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	5.87	11.74	17.60	23.47	29.34			
Time (military)									
PH (s.u.)									
Specific Conductivity (µS/cm)									
Water Temperature (°C)									
Dissolved Oxygen (mg/L)									
Turbidity (NTU)									
Sampling Data									
Sampled By:	PW; JP; CH; JF	Sampling Time:		Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	
Notes:									
Not Sampled. Under Stack of Plywood									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	6/1/2016	Site ID #:	03538	Site Name:	Coastal 76 Truck Stop	Field Personnel:	PW; JP; CH; JF		
County:	Florence	Project Manager:	Maia Milenkova	General Weather Conditions:	Sunny	Ambient Air Temp (°F):	89		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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:	TW-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)	TW	Screened Interval (ft.):			31-36	Total Well Depth (TWD) (ft.):		36.00	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			3.35	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	32.65	1 casing volume (CV = LWC x C) (gals.):			5.32	5 casing volumes (5 x CV) (gals.):		26.61	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	5.32	10.64	15.97	21.29	26.61			
Time (military)	11:06	11:11	11:16	11:21	11:29	11:30			
PH (s.u.)	5.98	6.1	6.10	6.12	6.09	6.08			
Specific Conductivity (µS/cm)	41.7	44.7	44.7	48.1	48.2	48			
Water Temperature (°C)	21.8	21.2	21.2	21.30	21.3	21.4			
Dissolved Oxygen (mg/L)	5.11	5.3	5.30	5.49	5.44	5.32			
Turbidity (NTU)	10.26	21.68	21.68	31.43	37.82	41.61			
Sampling Data									
Sampled By:	PW; JP; CH; JF	Sampling Time:	11:30	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	27.00
Notes: No Odor; 27.00 gallons purged									



June 2, 2016

Re: Treatment of Purge Water
Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID Number 03538
MECI Project Number 16-5531

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.

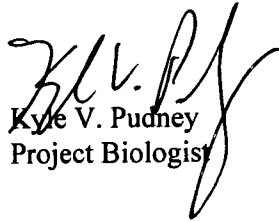
June 2, 2016

A total of 220.50 gallons were treated on June 1, 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.



Kyle V. Pudney
Project Biologist

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A

Required Client Information:

Company: **SCDHEC-UST**
Address: **2600 Bull Street**
Columbia, SC 29201
Email To: **bryontjc@chee.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: **Loopstol 76 Truck Stop**
Project Number: **UST 03538 / PACE 52480**

Section C

Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: **T. Carter**
Pace Profile #:

Page: **3** of **3**

1998793

REGULATORY AGENCY

☒ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☒ UST ☐ RCRA ☐ OTHER

Site Location

STATE:

SC

Florence

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test ↓	Y/N	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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	SAMPLE ID (A-Z, 0-9 / .-) Sample IDs MUST BE UNIQUE	Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Tissue TS Other OT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Peter J. Wyle / MECI	6/1/16	15:20				

2

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: **Peter J Wyle**

SIGNATURE of SAMPLER: **Peter J Wyle**

DATE Signed (MM/DD/YY): **6/1/16**

Temp in °C

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)



Under Large Stacks of Plywood



MW-10R - Under pallet of Sheet Metal



Under stack of wood

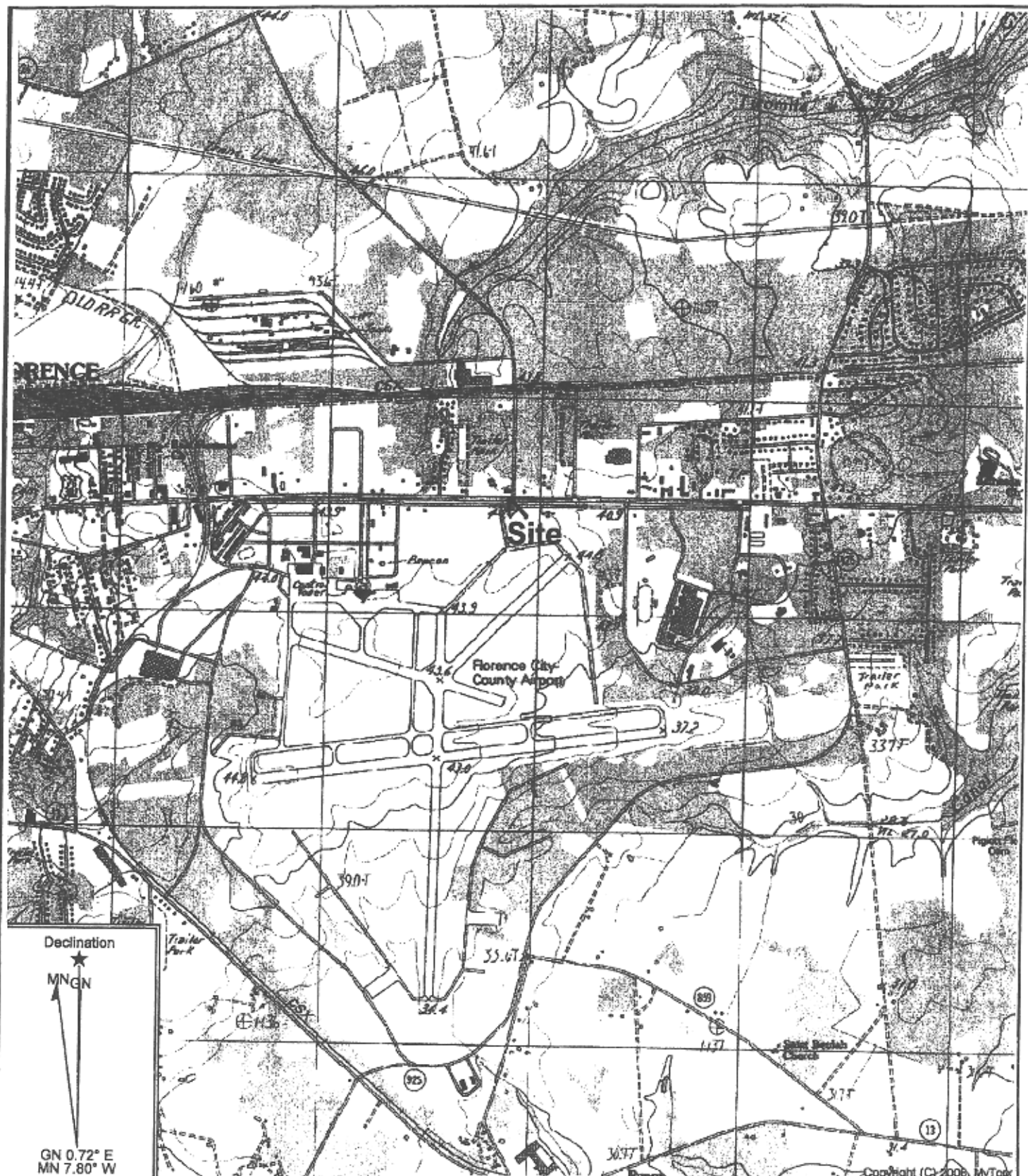
A black and white photograph showing a pile of debris, including wood planks and white plastic sheeting, in a wooded area. Handwritten text is visible on the plastic sheeting.

*Most likely under Debris
(MW-20)*

MW-20

MW-28 / Possibly under used tires





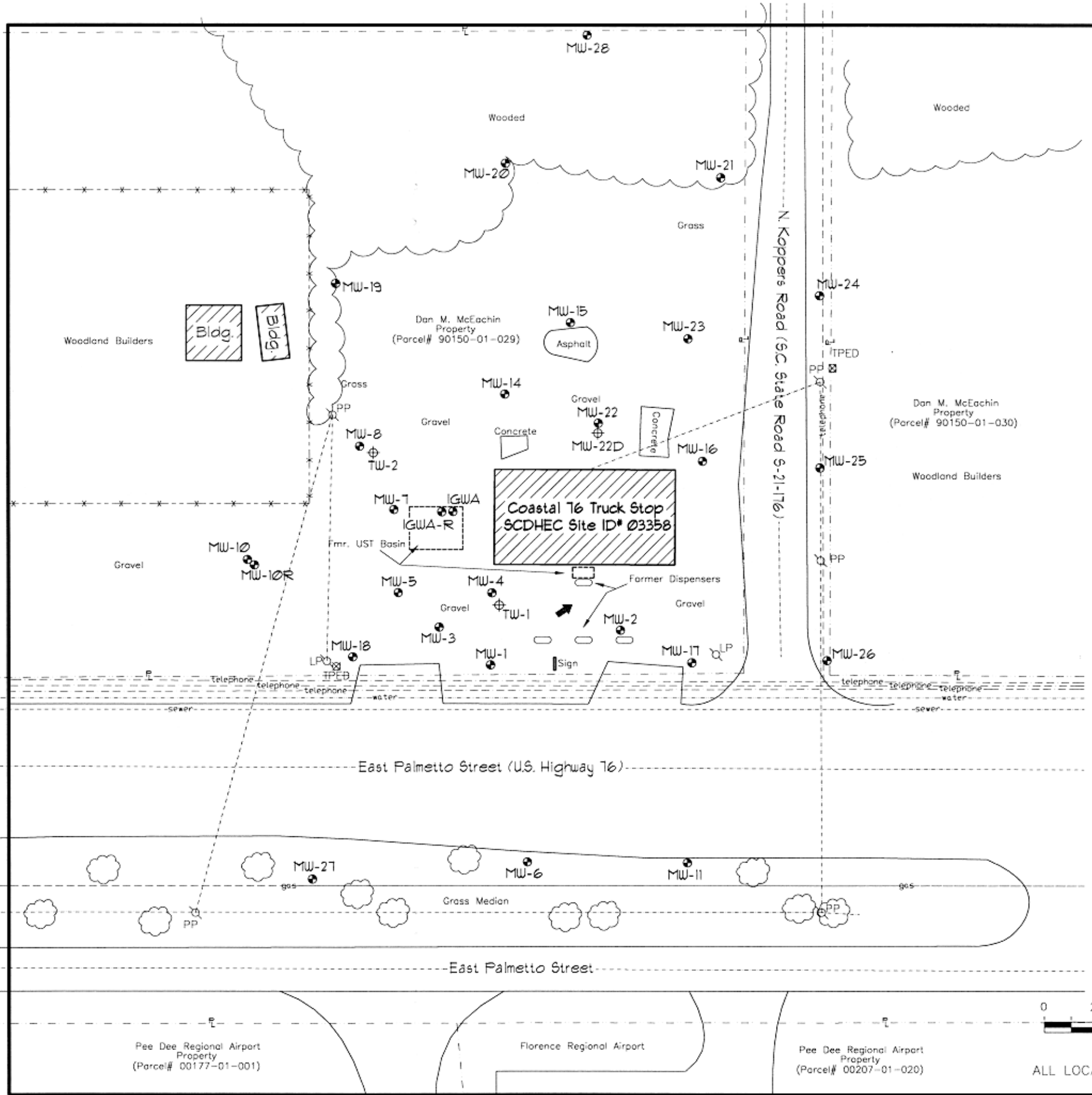
Midlands
Environmental
Consultants, Inc.

Site Location

Coastal 76 Truck Stop
2513 East Palmetto Street, Florence, SC
SCDHEC Site ID# 03538

Figure 1

MECI 12-3980



Explanation:

- Location of Watertable Bracketing Monitoring Well
- ⊕ Location of Double Cased "Deep" Monitoring Well
- ↑ Estimated Groundwater Flow Direction
- Estimated Location of Removed Underground Storage Tanks
- x— Property Line
- gas— Buried Gas Line
- water— Buried Water Line
- sewer— Buried Sewer
- telephone— Buried Telephone
- fence— Fence

Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

Site Base Map	
Coastal Mart 76 Truck Stop 2513 East Palmetto Street Florence, South Carolina SCDHEC Site ID 03358	
Midlands Environmental Consultants, Inc. 	JOB NO. 16-5531 DATE June 8, 2016 FIGURE 2

Explanation:

- Location of Watertable Bracketing Monitoring Well
- ⊕ Location of Double Cased "Deep" Monitoring Well
- ↑ Estimated Groundwater Flow Direction
- Estimated Location of Removed Underground Storage Tanks

— Groundwater Elevation Contour (feet)

Potentiometric Data

Well #	Screened Interval (ft)	Depth to Water (ft)	Well Head Elevation	Groundwater Elevation
IGWA	TD: 16.74	4.61	145.19	140.48
IGWA-R	11-21	4.49	145.14	140.65
MW-1	TD: 17.80	5.16	145.87	140.71
MW-2	TD: 18.30	4.57	145.19	140.62
MW-3	TD: 18.20	4.68	145.51	140.83
MW-4	TD: 18.35	NL	145.56	NL
MW-5	8.29-18.29	4.35	145.11	140.76
MW-6	8.29-18.29	5.13	146.04	140.91
MW-7	8.38-18.38	3.97	144.61	140.64
MW-8	8.29-18.29	3.08	143.78	140.70
MW-9	8.33-18.33	NL	N/A	NL
MW-10	TD: 18.25	NL	143.84	NL
MW-10R	1.61-11.61	NL	143.81	NL
MW-11	8.42-18.42	5.36	145.68	140.32
MW-14	8.29-18.29	3.43	144.36	140.93
MW-15	10-20	3.00	143.54	140.54
MW-16	11-21	NL	144.23	NL
MW-17	11-21	4.54	145.08	140.54
MW-18	11-21	4.93	145.79	140.86
MW-19	2.12-12.12	3.13	143.67	140.54
MW-20	4.50-14.50	NL	143.93	NL
MW-21	2.75-12.75	2.63	143.25	140.62
MW-22	5.09-15.09	4.31	145.03	140.72
MW-22D	39.23-44.23	6.32	144.89	138.57
MW-23	5.57-15.57	3.22	143.63	140.41
MW-24	2.99-12.99	3.30	143.78	140.48
MW-25	3.16-13.16	3.40	144.04	140.64
MW-26	4.86-14.86	4.51	144.96	140.45
MW-27	5.05-15.05	3.96	144.77	140.81
MW-28	2.97-12.97	NL	142.71	NL
TW-1	31-36	NL	145.77	NL
TW-2	31-36	3.35	143.98	140.63

Notes:

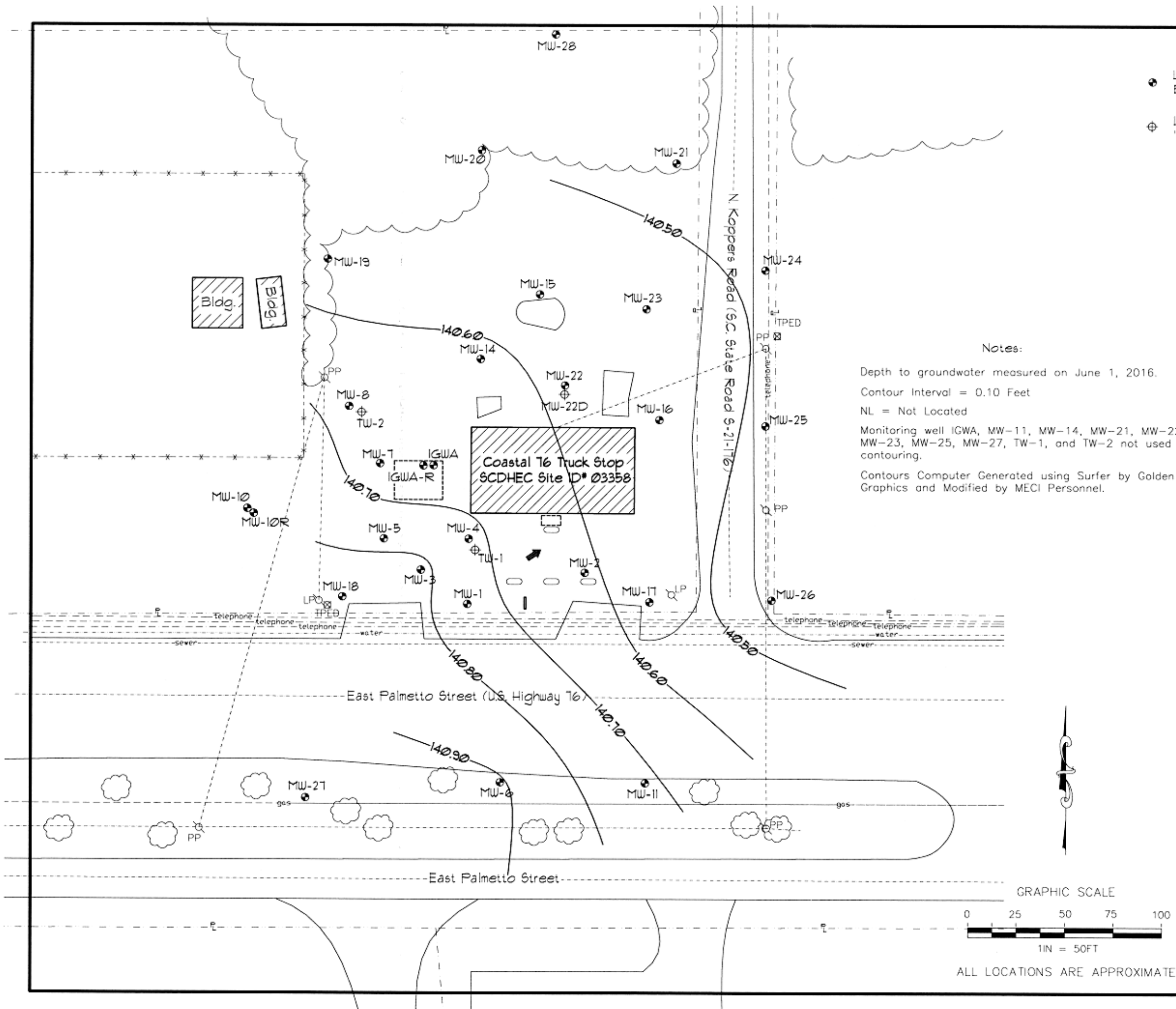
Depth to groundwater measured on June 1, 2016.

Contour Interval = 0.10 Feet

NL = Not Located

Monitoring well IGWA, MW-11, MW-14, MW-21, MW-22D, MW-23, MW-25, MW-27, TW-1, and TW-2 not used in contouring.

Contours Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.



Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

Potentiometric Data Site Map (Groundwater Contour)

Coastal Mart 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03358

Midlands
Environmental
Consultants, Inc.

JOB NO. 16-5531

DATE June 8, 2016

FIGURE

5

ALL LOCATIONS ARE APPROXIMATE

UST Permit Number : 03538
UST Facility: COASTAL 76 TRUCK STOP

MW ID	Screened Interval	TOC Elevation	GW Depth	GW elev	FP	B	T	E	X	MISE	Naph	EDB	1,2 DCA	ETBE 47ug/L	1,3-Dimethyl-1-butanol	TAME 12ug/L	DIPE 15ug/L	Ethanol 1000ug/L	TBF	TBA 140ug/L	TAA 240ug/L	Lead
03538-IGWA 6/26/2012 12/3/2014 12/13/2014 6/1/2016	TD 16.74'	145.19	N/S	N/A	ND																	
			11.98	133.21	ND																	
			12.15	133.04	ND																	
			4.61	140.58	ND																	
03538-IGWA/R 6/26/2012 12/3/2014 12/13/2014 6/1/2016	11.00-21.00	145.14	14.10	131.04	ND																	
			11.93	133.21	ND																	
			12.10	133.04	ND																	
			4.49	140.65	ND																	
03538-MW01 6/26/2012 12/3/2014 12/13/2014 6/1/2016	TD 17.80'	145.87	14.71	131.16	0.02																	
			12.54	133.33	ND																	
			12.75	133.12	ND																	
			5.16	140.71	ND																	
03538-MW02 6/26/2012 12/3/2014 12/13/2014 6/1/2016	TD 18.30'	145.19	14.04	131.15	ND																	
			12.34	132.85	ND																	
			12.36	132.83	ND																	
			4.57	140.62	ND																	
03538-MW03 6/26/2012 12/3/2014 12/13/2014 6/1/2016	TD 18.20'	145.51	14.19	131.85	0.01																	
			12.67	132.84	ND																	
			DUP	DUP	ND																	
			12.39	133.12	ND																	
03538-MW04 6/26/2012 12/3/2014 12/13/2014 6/1/2016	TD 18.35	145.56	14.35	131.21	ND																	
			12.26	133.30	ND																	
			DUP	DUP	ND																	
			12.43	133.13	ND																	
03538-MW05 6/26/2012 12/2/2014 12/13/2014 6/1/2016	8.29-18.29	145.11	13.90	131.21	ND																	
			NL	NL	NL																	
			NL	NL	NL																	
			4.35	140.76	ND																	
03538-MW06 6/26/2012 12/3/2014 12/13/2014 6/1/2016	8.29-18.29	146.04	14.65	131.39	ND																	
			12.67	133.37	ND																	
			12.91	133.13	ND																	
			5.13	140.91	ND																	
03538-MW07 6/26/2012 12/3/2014 12/13/2014 6/1/2016	8.36-18.36	144.61	13.45	131.16	ND																	
			11.20	133.41	ND																	
			11.47	133.14	ND																	
			3.97	140.64	ND																	
03538-MW08 6/26/2012 12/3/2014 12/13/2014 6/1/2016	8.29-18.29	143.78	12.62	131.16	ND																	
			10.43	133.35	ND																	
			10.61	133.17	ND																	
			3.08	140.70	ND																	
03538-MW09 6/26/2012 12/2/2016 12/13/2014 6/1/2016	8.33-18.33	N/A	NL	NL	NL																	
			NL	NL	NL																	
			NL	NL	NL																	
			NL	NL	NL																	
03538-MW10 6/26/2012 12/2/2016 12/13/2014 6/1/2016	TD 18.25'	143.84	12.41	131.43	ND																	
			NL	NL	NL																	
			NL	NL	NL																	
			NL	NL	NL																	
03538-MW10R 12/3/2014 12/13/2014 6/1/2016	1.61-11.61	143.81	10.50	133.31	ND																	
			10.62	133.19	ND																	
			NL	NL	NL																	
			NL	NL	NL																	
03538-MW11 6/26/2012 12/3/2014 12/13/2014 6/1/2016	8.42-18.42	145.68	14.39	131.29	ND																	
			12.64	133.04	ND																	
			12.70	132.88	ND																	
			5.36	140.32	ND																	
03538-MW14 6/26/2012 12/3/2014 12/12/2014 6/1/2016	8.29-18.29	144.36	13.42	130.94	ND																	
			NL	NL	NL																	
			11.39	132.97	ND																	
			3.43	140.93	ND																	
03538-MW15 6/26/2012 12/3/2014 12/13/2014 6/1/2016	10.00-20.00	143.54	12.78	130.76	ND																	
			10.46	133.08	ND																	
			10.62	132.92	ND																	
			3.00	140.54	ND																	
03538-MW16 6/26/2012 12/3/2014 12/13/2014 6/1/2016	11.00-21.00	144.23	13.43	130.80	ND																	
			11.16	133.05	ND																	
			11.42	132.81	ND																	
			NL	NL	NL																	
03538-MW17 6/26/2012 12/3/2014 12/13/2014 6/1/2016	11.00-21.00	145.08	13.96	131.12	ND																	
			11.92	133.16	ND																	
			12.10	132.98	ND																	
			4.54	140.54	ND																	
03538-MW18 6/26/20																						

June 09, 2016



Mr. John Bryant
SCDHEC
UST Program
2600 Bull Street
Columbia, SC 29201

RE: Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

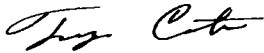
Dear Mr. Bryant:

Enclosed are the analytical results for sample(s) received by the laboratory on June 02, 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.

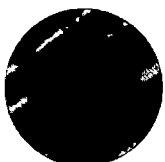
Sincerely,



Trey Carter
treycarter@pacelabs.com
Project Manager

Enclosures

cc: Ashleigh Thrash, SCHDEC



REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, Inc



Pace Analytical Services, Inc.
9800 Kinney Ave Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

Charlotte Certification IDs

9800 Kinney 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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SAMPLE SUMMARY

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92299850001	IGWA A	Water	06/01/16 11:54	06/02/16 12:03
92299850002	IGWA R	Water	06/01/16 11:50	06/02/16 12:03
92299850003	MW1	Water	06/01/16 13:00	06/02/16 12:03
92299850004	MW2	Water	06/01/16 13:10	06/02/16 12:03
92299850005	MW3	Water	06/01/16 12:56	06/02/16 12:03
92299850006	MW6	Water	06/01/16 10:06	06/02/16 12:03
92299850007	MW7	Water	06/01/16 12:41	06/02/16 12:03
92299850008	MW8	Water	06/01/16 12:00	06/02/16 12:03
92299850009	MW11	Water	06/01/16 10:07	06/02/16 12:03
92299850010	MW14	Water	06/01/16 11:15	06/02/16 12:03
92299850011	MW15	Water	06/01/16 10:32	06/02/16 12:03
92299850012	MW17	Water	06/01/16 11:40	06/02/16 12:03
92299850013	MW18	Water	06/01/16 12:15	06/02/16 12:03
92299850014	MW19	Water	06/01/16 10:34	06/02/16 12:03
92299850015	MW21	Water	06/01/16 10:33	06/02/16 12:03
92299850016	MW22	Water	06/01/16 10:47	06/02/16 12:03
92299850017	MW22D	Water	06/01/16 11:22	06/02/16 12:03
92299850018	MW23	Water	06/01/16 10:44	06/02/16 12:03
92299850019	MW24	Water	06/01/16 10:17	06/02/16 12:03
92299850020	MW25	Water	06/01/16 10:18	06/02/16 12:03
92299850021	MW26	Water	06/01/16 11:19	06/02/16 12:03
92299850022	MW27	Water	06/01/16 10:07	06/02/16 12:03
92299850023	TW2	Water	06/01/16 11:30	06/02/16 12:03
92299850024	DUP1	Water	06/01/16 11:54	06/02/16 12:03
92299850025	DUP2	Water	06/01/16 11:50	06/02/16 12:03
92299850026	FIELD BLANK	Water	06/01/16 13:20	06/02/16 12:03
92299850027	MW5	Water	06/01/16 12:30	06/02/16 12:03
92299850028	TRIP BLANK	Water	06/01/16 13:22	06/02/16 12:03

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92299850001	IGWA A	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92299850002	IGWA R	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92299850003	MW1	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92299850004	MW2	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92299850005	MW3	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92299850006	MW6	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92299850007	MW7	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92299850008	MW8	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92299850009	MW11	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92299850010	MW14	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92299850011	MW15	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92299850012	MW17	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92299850013	MW18	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92299850014	MW19	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92299850015	MW21	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92299850016	MW22	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92299850017	MW22D	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92299850018	MW23	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92299850019	MW24	EPA 8011	HSK	2	PASI-C

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92299850020	MW25	EPA 8260	CCL	20	PASI-C
		EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92299850021	MW26	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
		EPA 8011	HSK	2	PASI-C
92299850022	MW27	EPA 8260	CCL	20	PASI-C
		EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92299850023	TW2	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
		EPA 8011	HSK	2	PASI-C
92299850024	DUP1	EPA 8260	CCL	20	PASI-C
		EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92299850025	DUP2	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
		EPA 8011	HSK	2	PASI-C
92299850026	FIELD BLANK	EPA 8260	CCL	20	PASI-C
		EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92299850027	MW5	EPA 8011	HSK	2	PASI-C
		EPA 8260	CCL	20	PASI-C
		EPA 8260	CCL	20	PASI-C
92299850028	TRIP BLANK	EPA 8260	CCL	20	PASI-C

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92299850001	IGWA A					
EPA 8011	1,2-Dibromoethane (EDB)	0.28	ug/L	0.020	06/03/16 18:45	
EPA 8260	Benzene	976	ug/L	200	06/03/16 21:07	
EPA 8260	Ethylbenzene	646	ug/L	200	06/03/16 21:07	
EPA 8260	Naphthalene	197J	ug/L	200	06/03/16 21:07	
EPA 8260	Toluene	6630	ug/L	200	06/03/16 21:07	
EPA 8260	Xylene (Total)	8210	ug/L	400	06/03/16 21:07	
EPA 8260	m&p-Xylene	4740	ug/L	400	06/03/16 21:07	
EPA 8260	o-Xylene	3470	ug/L	200	06/03/16 21:07	
92299850002	IGWA R					
EPA 8011	1,2-Dibromoethane (EDB)	0.39	ug/L	0.020	06/03/16 19:05	
EPA 8260	Benzene	405	ug/L	125	06/03/16 21:23	
EPA 8260	Ethylbenzene	1590	ug/L	125	06/03/16 21:23	
EPA 8260	Naphthalene	426	ug/L	125	06/03/16 21:23	
EPA 8260	Toluene	3450	ug/L	125	06/03/16 21:23	
EPA 8260	Xylene (Total)	5790	ug/L	250	06/03/16 21:23	
EPA 8260	m&p-Xylene	4290	ug/L	250	06/03/16 21:23	
EPA 8260	o-Xylene	1510	ug/L	125	06/03/16 21:23	
92299850003	MW1					
EPA 8011	1,2-Dibromoethane (EDB)	10.2	ug/L	0.39	06/04/16 13:22	
EPA 8260	Benzene	14100	ug/L	1000	06/04/16 20:06	
EPA 8260	Ethylbenzene	1240	ug/L	1000	06/04/16 20:06	
EPA 8260	Naphthalene	1130	ug/L	1000	06/04/16 20:06	
EPA 8260	Toluene	26600	ug/L	1000	06/04/16 20:06	
EPA 8260	Xylene (Total)	18100	ug/L	2000	06/04/16 20:06	
EPA 8260	m&p-Xylene	11600	ug/L	2000	06/04/16 20:06	
EPA 8260	o-Xylene	6500	ug/L	1000	06/04/16 20:06	
92299850004	MW2					
EPA 8011	1,2-Dibromoethane (EDB)	10.9	ug/L	0.41	06/04/16 13:42	
EPA 8260	tert-Amyl Alcohol	2680	ug/L	2500	06/04/16 20:23	
EPA 8260	Benzene	2870	ug/L	125	06/04/16 20:23	
EPA 8260	Ethylbenzene	364	ug/L	125	06/04/16 20:23	
EPA 8260	Methyl-tert-butyl ether	281	ug/L	125	06/04/16 20:23	
EPA 8260	Naphthalene	139	ug/L	125	06/04/16 20:23	
EPA 8260	Toluene	3760	ug/L	125	06/04/16 20:23	
EPA 8260	Xylene (Total)	2500	ug/L	250	06/04/16 20:23	
EPA 8260	m&p-Xylene	1550	ug/L	250	06/04/16 20:23	
EPA 8260	o-Xylene	950	ug/L	125	06/04/16 20:23	
92299850005	MW3					
EPA 8011	1,2-Dibromoethane (EDB)	0.91	ug/L	0.020	06/03/16 20:03	
EPA 8260	Benzene	1620	ug/L	500	06/04/16 20:39	
EPA 8260	Ethylbenzene	2020	ug/L	500	06/04/16 20:39	
EPA 8260	Naphthalene	996	ug/L	500	06/04/16 20:39	
EPA 8260	Toluene	11200	ug/L	500	06/04/16 20:39	
EPA 8260	Xylene (Total)	13000	ug/L	1000	06/04/16 20:39	
EPA 8260	m&p-Xylene	8830	ug/L	1000	06/04/16 20:39	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project 03538/52480 COASTAL 76 TRUCK S
Pace Project No 92299850

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92299850005	MW3					
EPA 8260	o-Xylene	4170	ug/L	500	06/04/16 20:39	
92299850007	MW7					
EPA 8260	Naphthalene	2.1J	ug/L	5.0	06/04/16 18:25	
92299850012	MW17					
EPA 8011	1,2-Dibromoethane (EDB)	4.7	ug/L	0.20	06/09/16 07:03	
EPA 8260	Benzene	2680	ug/L	200	06/04/16 20:56	
EPA 8260	Ethylbenzene	1780	ug/L	200	06/04/16 20:56	
EPA 8260	Naphthalene	506	ug/L	200	06/04/16 20:56	
EPA 8260	Toluene	5400	ug/L	200	06/04/16 20:56	
EPA 8260	Xylene (Total)	5890	ug/L	400	06/04/16 20:56	
EPA 8260	m&p-Xylene	4030	ug/L	400	06/04/16 20:56	
EPA 8260	o-Xylene	1850	ug/L	200	06/04/16 20:56	
92299850024	DUP1					
EPA 8011	1,2-Dibromoethane (EDB)	0.27	ug/L	0.020	06/08/16 03:38	
EPA 8260	Benzene	1150	ug/L	250	06/04/16 06:38	
EPA 8260	Ethylbenzene	724	ug/L	250	06/04/16 06:38	
EPA 8260	Naphthalene	193J	ug/L	250	06/04/16 06:38	
EPA 8260	Toluene	7730	ug/L	250	06/04/16 06:38	
EPA 8260	Xylene (Total)	8970	ug/L	500	06/04/16 06:38	
EPA 8260	m&p-Xylene	5170	ug/L	500	06/04/16 06:38	
EPA 8260	o-Xylene	3800	ug/L	250	06/04/16 06:38	
92299850025	DUP2					
EPA 8011	1,2-Dibromoethane (EDB)	0.50	ug/L	0.020	06/08/16 03:57	
EPA 8260	Benzene	434	ug/L	125	06/04/16 21:13	
EPA 8260	Ethylbenzene	1710	ug/L	125	06/04/16 21:13	
EPA 8260	Naphthalene	471	ug/L	125	06/04/16 21:13	
EPA 8260	Toluene	3670	ug/L	125	06/04/16 21:13	
EPA 8260	Xylene (Total)	6300	ug/L	250	06/04/16 21:13	
EPA 8260	m&p-Xylene	4670	ug/L	250	06/04/16 21:13	
EPA 8260	o-Xylene	1630	ug/L	125	06/04/16 21:13	
92299850027	MW5					
EPA 8260	Benzene	20.4	ug/L	5.0	06/04/16 17:01	
EPA 8260	Ethylbenzene	93.0	ug/L	5.0	06/04/16 17:01	
EPA 8260	Naphthalene	47.2	ug/L	5.0	06/04/16 17:01	
EPA 8260	Toluene	88.8	ug/L	5.0	06/04/16 17:01	
EPA 8260	Xylene (Total)	147	ug/L	10.0	06/04/16 17:01	
EPA 8260	m&p-Xylene	85.8	ug/L	10.0	06/04/16 17:01	
EPA 8260	o-Xylene	60.9	ug/L	5.0	06/04/16 17:01	

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

Method: EPA 8011
Description: 8011 GCS EDB and DBCP
Client: SCDHEC
Date: June 09, 2016

General Information:

27 samples were analyzed for EPA 8011. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 8011 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/42932

S4: Surrogate recovery not evaluated against control limits due to sample dilution

- MW1 (Lab ID: 92299850003)
 - 1-Chloro-2-bromopropane (S)
- MW2 (Lab ID: 92299850004)
 - 1-Chloro-2-bromopropane (S)

QC Batch: OEXT/42975

S3: Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- DUP (Lab ID: 1749654)
 - 1-Chloro-2-bromopropane (S)

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- MW17 (Lab ID: 92299850012)
 - 1-Chloro-2-bromopropane (S)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

Method: EPA 8011
Description: 8011 GCS EDB and DBCP
Client: SCDHEC
Date: June 09, 2016

QC Batch: OEXT/42932

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 2037354009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery

- MS (Lab ID: 1747702)
 - 1,2-Dibromoethane (EDB)
- MSD (Lab ID: 1747703)
 - 1,2-Dibromoethane (EDB)

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

Method: EPA 8260
Description: 8260 MSV
Client: SCDHEC
Date: June 09, 2016

General Information:

28 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/37122

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits

- LCS (Lab ID: 1747966)
- Ethanol

QC Batch: MSV/37127

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 1748036)
- Ethanol

QC Batch: MSV/37128

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 1748042)
- Ethanol

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

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PROJECT NARRATIVE

Project 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

Method: EPA 8260
Description: 8260 MSV
Client: SCDHEC
Date: June 09, 2016

QC Batch MSV/37122

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s) 92299850008

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 1747967)
- Ethanol

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1747967)
- tert-Butyl Alcohol

P5: The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

- MS (Lab ID: 1747967)
- tert-Butyl Formate

QC Batch MSV/37127

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s) 92299850016

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 1748037)
- Ethanol

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1748037)
- tert-Butyl Alcohol
- tert-Butyl Formate

QC Batch: MSV/37128

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92299871014

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 1748043)
- Ethanol

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1748043)
- tert-Butyl Alcohol

P5: The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

- MS (Lab ID: 1748043)
- tert-Butyl Formate

QC Batch: MSV/37133

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92299871004

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1749209)
- Ethanol

P5: The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

- MS (Lab ID: 1749209)
- tert-Butyl Formate

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

Method: EPA 8260
Description: 8260 MSV
Client: SCDHEC
Date: June 09, 2016

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 03538/52480 COASTAL 76 TRUCK S

Pace Project No 92299850

Sample: IGWA A Lab ID: 92299850001 Collected: 06/01/16 11:54 Received: 06/02/16 12:03 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)	0.28	ug/L	0.020	0.020	1	06/03/16 12:08	06/03/16 18:45	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	126	%	60-140		1	06/03/16 12:08	06/03/16 18:45	301-79-56	
8260 MSV Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	4000	3070	40		06/03/16 21:07	75-85-4	
tert-Amylmethyl ether	ND	ug/L	400	136	40		06/03/16 21:07	994-05-8	
Benzene	976	ug/L	200	68.0	40		06/03/16 21:07	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	4000	1280	40		06/03/16 21:07	624-95-3	
tert-Butyl Alcohol	ND	ug/L	4000	2310	40		06/03/16 21:07	75-65-0	
tert-Butyl Formate	ND	ug/L	2000	292	40		06/03/16 21:07	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	72.0	40		06/03/16 21:07	107-06-2	
Diisopropyl ether	ND	ug/L	200	68.0	40		06/03/16 21:07	108-20-3	
Ethanol	ND	ug/L	8000	5240	40		06/03/16 21:07	64-17-5	L3
Ethylbenzene	646	ug/L	200	64.0	40		06/03/16 21:07	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	400	144	40		06/03/16 21:07	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	200	68.0	40		06/03/16 21:07	1634-04-4	
Naphthalene	197J	ug/L	200	80.0	40		06/03/16 21:07	91-20-3	
Toluene	6630	ug/L	200	64.0	40		06/03/16 21:07	108-88-3	
Xylene (Total)	8210	ug/L	400	108	40		06/03/16 21:07	1330-20-7	
m&p-Xylene	4740	ug/L	400	124	40		06/03/16 21:07	179601-23-1	
o-Xylene	3470	ug/L	200	64.0	40		06/03/16 21:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		40		06/03/16 21:07	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		40		06/03/16 21:07	17060-07-0	
Toluene-d8 (S)	104	%	70-130		40		06/03/16 21:07	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

Sample: IGWA R		Lab ID: 92299850002		Collected: 06/01/16 11 50		Received: 06/02/16 12:03		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)	0.39	ug/L	0.020	0.020	1	06/03/16 12:09	06/03/16 19:05	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	102	%	60-140		1	06/03/16 12:09	06/03/16 19:05	301-79-56	
8260 MSV Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	2500	1920	25		06/03/16 21:23	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	85.0	25		06/03/16 21:23	994-05-8	
Benzene	405	ug/L	125	42.5	25		06/03/16 21:23	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	802	25		06/03/16 21:23	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	1440	25		06/03/16 21:23	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	182	25		06/03/16 21:23	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	45.0	25		06/03/16 21:23	107-06-2	
Diisopropyl ether	ND	ug/L	125	42.5	25		06/03/16 21:23	108-20-3	
Ethanol	ND	ug/L	5000	3280	25		06/03/16 21:23	64-17-5	L3
Ethylbenzene	1590	ug/L	125	40.0	25		06/03/16 21:23	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	90.0	25		06/03/16 21:23	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	125	42.5	25		06/03/16 21:23	1634-04-4	
Naphthalene	426	ug/L	125	50.0	25		06/03/16 21:23	91-20-3	
Toluene	3450	ug/L	125	40.0	25		06/03/16 21:23	108-88-3	
Xylene (Total)	5790	ug/L	250	67.5	25		06/03/16 21:23	1330-20-7	
m&p-Xylene	4290	ug/L	250	77.5	25		06/03/16 21:23	179601-23-1	
o-Xylene	1510	ug/L	125	40.0	25		06/03/16 21:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		25		06/03/16 21:23	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		25		06/03/16 21:23	17060-07-0	
Toluene-d8 (S)	105	%	70-130		25		06/03/16 21:23	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

Sample: MW1		Lab ID: 92299850003		Collected: 06/01/16 13:00		Received: 06/02/16 12:03		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)	10.2	ug/L	0.39	0.39	20	06/03/16 12:09	06/04/16 13:22	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		20	06/03/16 12:09	06/04/16 13:22	301-79-56	S4
8260 MSV Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	20000	15400	200		06/04/16 20:06	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	680	200		06/04/16 20:06	994-05-8	
Benzene	14100	ug/L	1000	340	200		06/04/16 20:06	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	6420	200		06/04/16 20:06	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	11500	200		06/04/16 20:06	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	1460	200		06/04/16 20:06	762-75-4	
1,2-Dichloroethane	ND	ug/L	1000	360	200		06/04/16 20:06	107-06-2	
Diisopropyl ether	ND	ug/L	1000	340	200		06/04/16 20:06	108-20-3	
Ethanol	ND	ug/L	40000	26200	200		06/04/16 20:06	64-17-5	
Ethylbenzene	1240	ug/L	1000	320	200		06/04/16 20:06	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	720	200		06/04/16 20:06	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1000	340	200		06/04/16 20:06	1634-04-4	
Naphthalene	1130	ug/L	1000	400	200		06/04/16 20:06	91-20-3	
Toluene	26600	ug/L	1000	320	200		06/04/16 20:06	108-88-3	
Xylene (Total)	18100	ug/L	2000	540	200		06/04/16 20:06	1330-20-7	
m&p-Xylene	11600	ug/L	2000	620	200		06/04/16 20:06	179601-23-1	
o-Xylene	6500	ug/L	1000	320	200		06/04/16 20:06	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		200		06/04/16 20:06	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		200		06/04/16 20:06	17060-07-0	
Toluene-d8 (S)	106	%	70-130		200		06/04/16 20:06	2037-26-5	

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ANALYTICAL RESULTS

Project 03538/52480 COASTAL 76 TRUCK S
Pace Project No. 92299850

Sample: MW2		Lab ID: 92299850004		Collected: 06/01/16 13 10		Received: 06/02/16 12:03		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)	10.9	ug/L	0.41	0.41	20	06/03/16 12:09	06/04/16 13:42	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		20	06/03/16 12:09	06/04/16 13:42	301-79-56	S4
8260 MSV Analytical Method: EPA 8260									
tert-Amyl Alcohol	2680	ug/L	2500	1920	25		06/04/16 20:23	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	85.0	25		06/04/16 20:23	994-05-8	
Benzene	2870	ug/L	125	42.5	25		06/04/16 20:23	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	802	25		06/04/16 20:23	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	1440	25		06/04/16 20:23	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	182	25		06/04/16 20:23	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	45.0	25		06/04/16 20:23	107-06-2	
Diisopropyl ether	ND	ug/L	125	42.5	25		06/04/16 20:23	108-20-3	
Ethanol	ND	ug/L	5000	3280	25		06/04/16 20:23	64-17-5	
Ethylbenzene	364	ug/L	125	40.0	25		06/04/16 20:23	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	90.0	25		06/04/16 20:23	637-92-3	
Methyl-tert-butyl ether	281	ug/L	125	42.5	25		06/04/16 20:23	1634-04-4	
Naphthalene	139	ug/L	125	50.0	25		06/04/16 20:23	91-20-3	
Toluene	3760	ug/L	125	40.0	25		06/04/16 20:23	108-88-3	
Xylene (Total)	2500	ug/L	250	67.5	25		06/04/16 20:23	1330-20-7	
m&p-Xylene	1550	ug/L	250	77.5	25		06/04/16 20:23	179601-23-1	
o-Xylene	950	ug/L	125	40.0	25		06/04/16 20:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		25		06/04/16 20:23	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		25		06/04/16 20:23	17060-07-0	
Toluene-d8 (S)	104	%	70-130		25		06/04/16 20:23	2037-26-5	

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ANALYTICAL RESULTS

Project 03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

Sample: MW3		Lab ID: 92299850005		Collected: 06/01/16 12:56		Received: 06/02/16 12:03		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	0.020	1	06/03/16 12:09	06/03/16 20:03	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	78	%	60-140		1	06/03/16 12:09	06/03/16 20:03	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	10000	7680	100		06/04/16 20:39	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	340	100		06/04/16 20:39	994-05-8	
Benzene	1620	ug/L	500	170	100		06/04/16 20:39	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	3210	100		06/04/16 20:39	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	5770	100		06/04/16 20:39	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	730	100		06/04/16 20:39	762-75-4	
1,2-Dichloroethane	ND	ug/L	500	180	100		06/04/16 20:39	107-06-2	
Diisopropyl ether	ND	ug/L	500	170	100		06/04/16 20:39	108-20-3	
Ethanol	ND	ug/L	20000	13100	100		06/04/16 20:39	64-17-5	
Ethylbenzene	2020	ug/L	500	160	100		06/04/16 20:39	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	360	100		06/04/16 20:39	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	500	170	100		06/04/16 20:39	1634-04-4	
Naphthalene	996	ug/L	500	200	100		06/04/16 20:39	91-20-3	
Toluene	11200	ug/L	500	160	100		06/04/16 20:39	108-88-3	
Xylene (Total)	13000	ug/L	1000	270	100		06/04/16 20:39	1330-20-7	
m&p-Xylene	8830	ug/L	1000	310	100		06/04/16 20:39	179601-23-1	
o-Xylene	4170	ug/L	500	160	100		06/04/16 20:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		100		06/04/16 20:39	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		100		06/04/16 20:39	17060-07-0	
Toluene-d8 (S)	104	%	70-130		100		06/04/16 20:39	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No. 92299850

Sample: MW6		Lab ID: 92299850006		Collected	06/01/16 10:06	Received:	06/02/16 12:03	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	06/03/16 12:09	06/03/16 20:23	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	99	%	60-140		1	06/03/16 12:09	06/03/16 20:23	301-79-56	
8260 MSV Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/03/16 19:43	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/03/16 19:43	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/03/16 19:43	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/03/16 19:43	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/03/16 19:43	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/03/16 19:43	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/03/16 19:43	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/03/16 19:43	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/03/16 19:43	64-17-5	L3
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/03/16 19:43	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/03/16 19:43	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/03/16 19:43	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/03/16 19:43	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/03/16 19:43	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/03/16 19:43	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/03/16 19:43	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/03/16 19:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		06/03/16 19:43	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		06/03/16 19:43	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		06/03/16 19:43	2037-26-5	

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ANALYTICAL RESULTS

Project 03538/52480 COASTAL 76 TRUCK S

Pace Project No 92299850

Sample: MW7		Lab ID: 92299850007		Collected: 06/01/16 12:41		Received: 06/02/16 12:03		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	06/03/16 12:09	06/03/16 20:42	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	84	%	60-140		1	06/03/16 12:09	06/03/16 20:42	301-79-56	
8260 MSV Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/04/16 18:25	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/04/16 18:25	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/04/16 18:25	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/04/16 18:25	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/04/16 18:25	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/04/16 18:25	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/04/16 18:25	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/04/16 18:25	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/04/16 18:25	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/04/16 18:25	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/04/16 18:25	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/04/16 18:25	1634-04-4	
Naphthalene	2.1J	ug/L	5.0	2.0	1		06/04/16 18:25	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/04/16 18:25	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/04/16 18:25	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/04/16 18:25	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/04/16 18:25	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/04/16 18:25	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		06/04/16 18:25	17060-07-0	
Toluene-d8 (S)	108	%	70-130		1		06/04/16 18:25	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

Sample: MW8		Lab ID: 92299850008		Collected: 06/01/16 12:00		Received: 06/02/16 12:03		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	06/06/16 13:30	06/06/16 21:09	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	77	%	60-140		1	06/06/16 13:30	06/06/16 21:09	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/03/16 19:59	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/03/16 19:59	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/03/16 19:59	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/03/16 19:59	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/03/16 19:59	75-65-0	M1
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/03/16 19:59	762-75-4	M1
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/03/16 19:59	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/03/16 19:59	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/03/16 19:59	64-17-5	L3,M0
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/03/16 19:59	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/03/16 19:59	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/03/16 19:59	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/03/16 19:59	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/03/16 19:59	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/03/16 19:59	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/03/16 19:59	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/03/16 19:59	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		06/03/16 19:59	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		06/03/16 19:59	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		06/03/16 19:59	2037-26-5	

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ANALYTICAL RESULTS

Project 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

Sample: MW11		Lab ID: 92299850009		Collected: 06/01/16 10:07		Received: 06/02/16 12:03		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	06/06/16 13:30	06/06/16 21:29	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	75	%	60-140		1	06/06/16 13:30	06/06/16 21:29	301-79-56	
8260 MSV									
Analytical Method EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/03/16 20:16	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/03/16 20:16	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/03/16 20:16	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/03/16 20:16	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/03/16 20:16	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/03/16 20:16	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/03/16 20:16	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/03/16 20:16	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/03/16 20:16	64-17-5	L3
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/03/16 20:16	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/03/16 20:16	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/03/16 20:16	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/03/16 20:16	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/03/16 20:16	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/03/16 20:16	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/03/16 20:16	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/03/16 20:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		06/03/16 20:16	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		06/03/16 20:16	17060-07-0	
Toluene-d8 (S)	108	%	70-130		1		06/03/16 20:16	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No: 92299850

Sample: MW14		Lab ID: 92299850010		Collected: 06/01/16 11:15		Received: 06/02/16 12:03		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	06/03/16 12:11	06/03/16 23:18	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	77	%	60-140		1	06/03/16 12:11	06/03/16 23:18	301-79-56	
8260 MSV Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/04/16 02:42	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/04/16 02:42	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/04/16 02:42	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/04/16 02:42	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/04/16 02:42	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/04/16 02:42	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/04/16 02:42	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/04/16 02:42	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/04/16 02:42	64-17-5	L3
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/04/16 02:42	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/04/16 02:42	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/04/16 02:42	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/04/16 02:42	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/04/16 02:42	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/04/16 02:42	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/04/16 02:42	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/04/16 02:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		06/04/16 02:42	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		06/04/16 02:42	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		06/04/16 02:42	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538/52480 COASTAL 76 TRUCK S

Pace Project No. 92299850

Sample: MW15		Lab ID: 92299850011		Collected: 06/01/16 10:32		Received: 06/02/16 12:03		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	06/03/16 12:11	06/03/16 23:37	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	104	%	60-140		1	06/03/16 12:11	06/03/16 23:37	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/04/16 02:59	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/04/16 02:59	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/04/16 02:59	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/04/16 02:59	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/04/16 02:59	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/04/16 02:59	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/04/16 02:59	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/04/16 02:59	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/04/16 02:59	64-17-5	L3
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/04/16 02:59	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/04/16 02:59	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/04/16 02:59	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/04/16 02:59	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/04/16 02:59	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/04/16 02:59	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/04/16 02:59	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/04/16 02:59	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		06/04/16 02:59	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		06/04/16 02:59	17060-07-0	
Toluene-d8 (S)	108	%	70-130		1		06/04/16 02:59	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No : 92299850

Sample: MW17		Lab ID: 92299850012		Collected: 06/01/16 11:40		Received: 06/02/16 12:03		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)	4.7	ug/L	0.20	0.20	10	06/07/16 14:10	06/09/16 07:03	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		10	06/07/16 14:10	06/09/16 07:03	301-79-56	S4
8260 MSV Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	4000	3070	40		06/04/16 20:56	75-85-4	
tert-Amylmethyl ether	ND	ug/L	400	136	40		06/04/16 20:56	994-05-8	
Benzene	2680	ug/L	200	68.0	40		06/04/16 20:56	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	4000	1280	40		06/04/16 20:56	624-95-3	
tert-Butyl Alcohol	ND	ug/L	4000	2310	40		06/04/16 20:56	75-65-0	
tert-Butyl Formate	ND	ug/L	2000	292	40		06/04/16 20:56	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	72.0	40		06/04/16 20:56	107-06-2	
Diisopropyl ether	ND	ug/L	200	68.0	40		06/04/16 20:56	108-20-3	
Ethanol	ND	ug/L	8000	5240	40		06/04/16 20:56	64-17-5	
Ethylbenzene	1780	ug/L	200	64.0	40		06/04/16 20:56	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	400	144	40		06/04/16 20:56	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	200	68.0	40		06/04/16 20:56	1634-04-4	
Naphthalene	506	ug/L	200	80.0	40		06/04/16 20:56	91-20-3	
Toluene	5400	ug/L	200	64.0	40		06/04/16 20:56	108-88-3	
Xylene (Total)	5890	ug/L	400	108	40		06/04/16 20:56	1330-20-7	
m&p-Xylene	4030	ug/L	400	124	40		06/04/16 20:56	179601-23-1	
o-Xylene	1850	ug/L	200	64.0	40		06/04/16 20:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		40		06/04/16 20:56	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		40		06/04/16 20:56	17060-07-0	
Toluene-d8 (S)	106	%	70-130		40		06/04/16 20:56	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

Sample: MW18		Lab ID: 92299850013		Collected: 06/01/16 12:15		Received: 06/02/16 12:03		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	06/03/16 12:12	06/04/16 00:34	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	109	%	60-140		1	06/03/16 12:12	06/04/16 00:34	301-79-56	
8260 MSV Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/04/16 18:42	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/04/16 18:42	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/04/16 18:42	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/04/16 18:42	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/04/16 18:42	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/04/16 18:42	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/04/16 18:42	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/04/16 18:42	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/04/16 18:42	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/04/16 18:42	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/04/16 18:42	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/04/16 18:42	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/04/16 18:42	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/04/16 18:42	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/04/16 18:42	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/04/16 18:42	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/04/16 18:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		06/04/16 18:42	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		06/04/16 18:42	17060-07-0	
Toluene-d8 (S)	108	%	70-130		1		06/04/16 18:42	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

Sample: MW19		Lab ID: 92299850014		Collected	06/01/16 10:34	Received:	06/02/16 12:03	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	06/03/16 12:12	06/04/16 00:54	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	97	%	60-140		1	06/03/16 12:12	06/04/16 00:54	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/04/16 03:16	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/04/16 03:16	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/04/16 03:16	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/04/16 03:16	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/04/16 03:16	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/04/16 03:16	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/04/16 03:16	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/04/16 03:16	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/04/16 03:16	64-17-5	L3
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/04/16 03:16	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/04/16 03:16	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/04/16 03:16	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/04/16 03:16	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/04/16 03:16	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/04/16 03:16	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/04/16 03:16	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/04/16 03:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		06/04/16 03:16	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		06/04/16 03:16	17060-07-0	
Toluene-d8 (S)	108	%	70-130		1		06/04/16 03:16	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

Sample: MW21		Lab ID: 92299850015		Collected: 06/01/16 10:33		Received: 06/02/16 12:03		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	06/03/16 12:13	06/04/16 01:14	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	92	%	60-140		1	06/03/16 12:13	06/04/16 01:14	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/04/16 03:33	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/04/16 03:33	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/04/16 03:33	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/04/16 03:33	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/04/16 03:33	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/04/16 03:33	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/04/16 03:33	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/04/16 03:33	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/04/16 03:33	64-17-5	L3
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/04/16 03:33	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/04/16 03:33	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/04/16 03:33	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/04/16 03:33	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/04/16 03:33	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/04/16 03:33	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/04/16 03:33	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/04/16 03:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		06/04/16 03:33	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		06/04/16 03:33	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		06/04/16 03:33	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No. 92299850

Sample: MW22		Lab ID: 92299850016		Collected: 06/01/16 10:47		Received: 06/02/16 12:03		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	06/03/16 12:13	06/04/16 01:33	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	100	%	60-140		1	06/03/16 12:13	06/04/16 01:33	301-79-56	
8260 MSV Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/04/16 03:50	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/04/16 03:50	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/04/16 03:50	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/04/16 03:50	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/04/16 03:50	75-65-0	M1
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/04/16 03:50	762-75-4	M1
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/04/16 03:50	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/04/16 03:50	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/04/16 03:50	64-17-5	L3,M0
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/04/16 03:50	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/04/16 03:50	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/04/16 03:50	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/04/16 03:50	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/04/16 03:50	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/04/16 03:50	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/04/16 03:50	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/04/16 03:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		06/04/16 03:50	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		06/04/16 03:50	17060-07-0	
Toluene-d8 (S)	108	%	70-130		1		06/04/16 03:50	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

Sample: MW22D		Lab ID: 92299850017		Collected: 06/01/16 11 22		Received: 06/02/16 12:03		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	06/03/16 12:13	06/04/16 01:52	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	110	%	60-140		1	06/03/16 12:13	06/04/16 01:52	301-79-56	
8260 MSV									
Analytical Method EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/04/16 04:06	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/04/16 04:06	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/04/16 04:06	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/04/16 04:06	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/04/16 04:06	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/04/16 04:06	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/04/16 04:06	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/04/16 04:06	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/04/16 04:06	64-17-5	L3
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/04/16 04:06	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/04/16 04:06	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/04/16 04:06	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/04/16 04:06	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/04/16 04:06	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/04/16 04:06	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/04/16 04:06	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/04/16 04:06	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		06/04/16 04:06	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		06/04/16 04:06	17060-07-0	
Toluene-d8 (S)	107	%	70-130		1		06/04/16 04:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No 92299850

Sample: MW23		Lab ID: 92299850018		Collected: 06/01/16 10:44		Received 06/02/16 12:03		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	06/03/16 12:13	06/04/16 02:11	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	113	%	60-140		1	06/03/16 12:13	06/04/16 02:11	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/04/16 04:40	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/04/16 04:40	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/04/16 04:40	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/04/16 04:40	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/04/16 04:40	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/04/16 04:40	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/04/16 04:40	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/04/16 04:40	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/04/16 04:40	64-17-5	L3
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/04/16 04:40	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/04/16 04:40	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/04/16 04:40	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/04/16 04:40	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/04/16 04:40	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/04/16 04:40	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/04/16 04:40	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/04/16 04:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		06/04/16 04:40	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		06/04/16 04:40	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		06/04/16 04:40	2037-26-5	

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ANALYTICAL RESULTS

Project 03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

Sample: MW24		Lab ID: 92299850019		Collected: 06/01/16 10:17		Received: 06/02/16 12:03		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	06/03/16 12:14	06/04/16 02:31	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	114	%	60-140		1	06/03/16 12:14	06/04/16 02:31	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/04/16 04:57	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/04/16 04:57	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/04/16 04:57	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/04/16 04:57	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/04/16 04:57	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/04/16 04:57	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/04/16 04:57	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/04/16 04:57	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/04/16 04:57	64-17-5	L3
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/04/16 04:57	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/04/16 04:57	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/04/16 04:57	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/04/16 04:57	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/04/16 04:57	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/04/16 04:57	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/04/16 04:57	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/04/16 04:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		06/04/16 04:57	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		06/04/16 04:57	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		06/04/16 04:57	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No. 92299850

Sample: MW25		Lab ID: 92299850020		Collected	06/01/16 10:18	Received:	06/02/16 12:03	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	06/03/16 12:14	06/04/16 02:50	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	113	%	60-140		1	06/03/16 12:14	06/04/16 02:50	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/04/16 11:42	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/04/16 11:42	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/04/16 11:42	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/04/16 11:42	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/04/16 11:42	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/04/16 11:42	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/04/16 11:42	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/04/16 11:42	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/04/16 11:42	64-17-5	L3
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/04/16 11:42	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/04/16 11:42	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/04/16 11:42	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/04/16 11:42	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/04/16 11:42	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/04/16 11:42	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/04/16 11:42	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/04/16 11:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		06/04/16 11:42	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		06/04/16 11:42	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		06/04/16 11:42	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No 92299850

Sample: MW26		Lab ID: 92299850021		Collected: 06/01/16 11:19		Received: 06/02/16 12:03		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	06/03/16 12:14	06/04/16 03:09	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	108	%	60-140		1	06/03/16 12:14	06/04/16 03:09	301-79-56	
8260 MSV Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/04/16 05:14	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/04/16 05:14	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/04/16 05:14	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/04/16 05:14	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/04/16 05:14	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/04/16 05:14	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/04/16 05:14	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/04/16 05:14	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/04/16 05:14	64-17-5	L3
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/04/16 05:14	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/04/16 05:14	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/04/16 05:14	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/04/16 05:14	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/04/16 05:14	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/04/16 05:14	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/04/16 05:14	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/04/16 05:14	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		06/04/16 05:14	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		06/04/16 05:14	17060-07-0	
Toluene-d8 (S)	108	%	70-130		1		06/04/16 05:14	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

Sample: MW27		Lab ID: 92299850022		Collected: 06/01/16 10:07		Received: 06/02/16 12:03		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	06/03/16 12.14	06/04/16 03:28	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	84	%	60-140		1	06/03/16 12.14	06/04/16 03:28	301-79-56	
8260 MSV Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/04/16 05:31	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/04/16 05:31	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/04/16 05:31	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/04/16 05:31	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/04/16 05:31	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/04/16 05:31	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/04/16 05:31	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/04/16 05:31	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/04/16 05:31	64-17-5	L3
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/04/16 05:31	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/04/16 05:31	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/04/16 05:31	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/04/16 05:31	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/04/16 05:31	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/04/16 05:31	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/04/16 05:31	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/04/16 05:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		06/04/16 05:31	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		06/04/16 05:31	17060-07-0	
Toluene-d8 (S)	107	%	70-130		1		06/04/16 05:31	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

Sample: TW2		Lab ID: 92299850023		Collected: 06/01/16 11:30		Received: 06/02/16 12:03		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	06/03/16 12:15	06/04/16 03:48	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	111	%	60-140		1	06/03/16 12:15	06/04/16 03:48	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/04/16 05:47	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/04/16 05:47	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/04/16 05:47	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/04/16 05:47	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/04/16 05:47	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/04/16 05:47	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/04/16 05:47	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/04/16 05:47	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/04/16 05:47	64-17-5	L3
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/04/16 05:47	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/04/16 05:47	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/04/16 05:47	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/04/16 05:47	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/04/16 05:47	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/04/16 05:47	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/04/16 05:47	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/04/16 05:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		06/04/16 05:47	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		06/04/16 05:47	17060-07-0	
Toluene-d8 (S)	108	%	70-130		1		06/04/16 05:47	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

Sample: DUP1		Lab ID: 92299850024		Collected: 06/01/16 11:54		Received: 06/02/16 12:03		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)	0.27	ug/L	0.020	0.020	1	06/07/16 14:10	06/08/16 03:38	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	121	%	60-140		1	06/07/16 14:10	06/08/16 03:38	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	5000	3840	50		06/04/16 06:38	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	170	50		06/04/16 06:38	994-05-8	
Benzene	1150	ug/L	250	85.0	50		06/04/16 06:38	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	1600	50		06/04/16 06:38	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	2880	50		06/04/16 06:38	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	365	50		06/04/16 06:38	762-75-4	
1,2-Dichloroethane	ND	ug/L	250	90.0	50		06/04/16 06:38	107-06-2	
Diisopropyl ether	ND	ug/L	250	85.0	50		06/04/16 06:38	108-20-3	
Ethanol	ND	ug/L	10000	6550	50		06/04/16 06:38	64-17-5	L3
Ethylbenzene	724	ug/L	250	80.0	50		06/04/16 06:38	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	180	50		06/04/16 06:38	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	250	85.0	50		06/04/16 06:38	1634-04-4	
Naphthalene	193J	ug/L	250	100	50		06/04/16 06:38	91-20-3	
Toluene	7730	ug/L	250	80.0	50		06/04/16 06:38	108-88-3	
Xylene (Total)	8970	ug/L	500	135	50		06/04/16 06:38	1330-20-7	
m&p-Xylene	5170	ug/L	500	155	50		06/04/16 06:38	179601-23-1	
o-Xylene	3800	ug/L	250	80.0	50		06/04/16 06:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		50		06/04/16 06:38	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		50		06/04/16 06:38	17060-07-0	
Toluene-d8 (S)	105	%	70-130		50		06/04/16 06:38	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

Sample: DUP2		Lab ID: 92299850025		Collected: 06/01/16 11:50		Received: 06/02/16 12:03		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)	0.50	ug/L	0.020	0.020	1	06/07/16 14:10	06/08/16 03:57	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	137	%	60-140		1	06/07/16 14:10	06/08/16 03:57	301-79-56	
8260 MSV Analytical Method EPA 8260									
tert-Amyl Alcohol	ND	ug/L	2500	1920	25		06/04/16 21:13	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	85.0	25		06/04/16 21:13	994-05-8	
Benzene	434	ug/L	125	42.5	25		06/04/16 21:13	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	802	25		06/04/16 21:13	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	1440	25		06/04/16 21:13	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	182	25		06/04/16 21:13	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	45.0	25		06/04/16 21:13	107-06-2	
Diisopropyl ether	ND	ug/L	125	42.5	25		06/04/16 21:13	108-20-3	
Ethanol	ND	ug/L	5000	3280	25		06/04/16 21:13	64-17-5	
Ethylbenzene	1710	ug/L	125	40.0	25		06/04/16 21:13	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	90.0	25		06/04/16 21:13	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	125	42.5	25		06/04/16 21:13	1634-04-4	
Naphthalene	471	ug/L	125	50.0	25		06/04/16 21:13	91-20-3	
Toluene	3670	ug/L	125	40.0	25		06/04/16 21:13	108-88-3	
Xylene (Total)	6300	ug/L	250	67.5	25		06/04/16 21:13	1330-20-7	
m&p-Xylene	4670	ug/L	250	77.5	25		06/04/16 21:13	179601-23-1	
o-Xylene	1630	ug/L	125	40.0	25		06/04/16 21:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		25		06/04/16 21:13	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		25		06/04/16 21:13	17060-07-0	
Toluene-d8 (S)	105	%	70-130		25		06/04/16 21:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No 92299850

Sample: FIELD BLANK		Lab ID: 92299850026		Collected: 06/01/16 13:20		Received: 06/02/16 12:03		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	06/03/16 12:15	06/04/16 04:46	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	111	%	60-140		1	06/03/16 12:15	06/04/16 04:46	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/04/16 02:09	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/04/16 02:09	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/04/16 02:09	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/04/16 02:09	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/04/16 02:09	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/04/16 02:09	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/04/16 02:09	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/04/16 02:09	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/04/16 02:09	64-17-5	L3
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/04/16 02:09	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/04/16 02:09	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/04/16 02:09	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/04/16 02:09	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/04/16 02:09	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/04/16 02:09	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/04/16 02:09	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/04/16 02:09	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		06/04/16 02:09	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		06/04/16 02:09	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		06/04/16 02:09	2037-26-5	

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ANALYTICAL RESULTS

Project 03538/52480 COASTAL 76 TRUCK S
Pace Project No.. 92299850

Sample: MW5		Lab ID: 92299850027		Collected: 06/01/16 12:30		Received: 06/02/16 12:03		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	06/03/16 12:16	06/04/16 05:44	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	112	%	60-140		1	06/03/16 12:16	06/04/16 05:44	301-79-56	
8260 MSV Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/04/16 17:01	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/04/16 17:01	994-05-8	
Benzene	20.4	ug/L	5.0	1.7	1		06/04/16 17:01	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/04/16 17:01	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/04/16 17:01	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/04/16 17:01	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/04/16 17:01	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/04/16 17:01	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/04/16 17:01	64-17-5	
Ethylbenzene	93.0	ug/L	5.0	1.6	1		06/04/16 17:01	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/04/16 17:01	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/04/16 17:01	1634-04-4	
Naphthalene	47.2	ug/L	5.0	2.0	1		06/04/16 17:01	91-20-3	
Toluene	88.8	ug/L	5.0	1.6	1		06/04/16 17:01	108-88-3	
Xylene (Total)	147	ug/L	10.0	2.7	1		06/04/16 17:01	1330-20-7	
m&p-Xylene	85.8	ug/L	10.0	3.1	1		06/04/16 17:01	179601-23-1	
o-Xylene	60.9	ug/L	5.0	1.6	1		06/04/16 17:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		06/04/16 17:01	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		06/04/16 17:01	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		06/04/16 17:01	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No 92299850

Sample: TRIP BLANK		Lab ID: 92299850028		Collected: 06/01/16 13:22		Received: 06/02/16 12:03		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		06/04/16 02:25	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		06/04/16 02:25	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		06/04/16 02:25	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		06/04/16 02:25	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/04/16 02:25	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/04/16 02:25	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		06/04/16 02:25	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		06/04/16 02:25	108-20-3	
Ethanol	ND	ug/L	200	131	1		06/04/16 02:25	64-17-5	L3
Ethylbenzene	ND	ug/L	5.0	1.6	1		06/04/16 02:25	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		06/04/16 02:25	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		06/04/16 02:25	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		06/04/16 02:25	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		06/04/16 02:25	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/04/16 02:25	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		06/04/16 02:25	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		06/04/16 02:25	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		06/04/16 02:25	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		06/04/16 02:25	17060-07-0	
Toluene-d8 (S)	108	%	70-130		1		06/04/16 02:25	2037-26-5	

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QUALITY CONTROL DATA

Project: 03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

QC Batch:	MSV/37122	Analysis Method:	EPA 8260
QC Batch Method	EPA 8260	Analysis Description:	8260 MSV SC
Associated Lab Samples. 92299850001, 92299850002, 92299850006, 92299850008, 92299850009			

METHOD BLANK: 1747965 Matrix Water
Associated Lab Samples 92299850001, 92299850002, 92299850006, 92299850008, 92299850009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1.8	06/03/16 13:00	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	06/03/16 13:00	
Benzene	ug/L	ND	5.0	1.7	06/03/16 13:00	
Diisopropyl ether	ug/L	ND	5.0	1.7	06/03/16 13:00	
Ethanol	ug/L	ND	200	131	06/03/16 13:00	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.6	06/03/16 13:00	
Ethylbenzene	ug/L	ND	5.0	1.6	06/03/16 13:00	
m&p-Xylene	ug/L	ND	10.0	3.1	06/03/16 13:00	
Methyl-tert-butyl ether	ug/L	ND	5.0	1.7	06/03/16 13:00	
Naphthalene	ug/L	ND	5.0	2.0	06/03/16 13:00	
o-Xylene	ug/L	ND	5.0	1.6	06/03/16 13:00	
tert-Amyl Alcohol	ug/L	ND	100	76.8	06/03/16 13:00	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	06/03/16 13:00	
tert-Butyl Alcohol	ug/L	ND	100	57.7	06/03/16 13:00	
tert-Butyl Formate	ug/L	ND	50.0	7.3	06/03/16 13:00	
Toluene	ug/L	ND	5.0	1.6	06/03/16 13:00	
Xylene (Total)	ug/L	ND	10.0	2.7	06/03/16 13:00	
1,2-Dichloroethane-d4 (S)	%	97	70-130		06/03/16 13:00	
4-Bromofluorobenzene (S)	%	105	70-130		06/03/16 13:00	
Toluene-d8 (S)	%	104	70-130		06/03/16 13:00	

LABORATORY CONTROL SAMPLE: 1747966

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	42.0	84	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	955	96	70-130	
Benzene	ug/L	50	46.1	92	70-130	
Diisopropyl ether	ug/L	50	44.6	89	70-130	
Ethanol	ug/L	2000	3360	168	70-130 F3,L0	
Ethyl-tert-butyl ether	ug/L	100	93.2	93	70-130	
Ethylbenzene	ug/L	50	46.1	92	70-130	
m&p-Xylene	ug/L	100	88.9	89	70-130	
Methyl-tert-butyl ether	ug/L	50	45.5	91	70-130	
Naphthalene	ug/L	50	44.0	88	70-130	
o-Xylene	ug/L	50	43.7	87	70-130	
tert-Amyl Alcohol	ug/L	1000	985	99	70-130	
tert-Amylmethyl ether	ug/L	100	86.8	87	70-130	
tert-Butyl Alcohol	ug/L	500	495	99	70-130	
tert-Butyl Formate	ug/L	400	322	81	70-130	
Toluene	ug/L	50	44.6	89	70-130	

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QUALITY CONTROL DATA

Project 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

LABORATORY CONTROL SAMPLE: 1747966

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	133	88	70-130	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE SAMPLE: 1747967

Parameter	Units	92299850008 Result	Spike Conc	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	17.4	86	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	399	100	70-130	
Benzene	ug/L	ND	20	19.1	95	70-130	
Diisopropyl ether	ug/L	ND	20	18.4	92	70-130	
Ethanol	ug/L	ND	800	1290	162	70-130	M0
Ethyl-tert-butyl ether	ug/L	ND	40	37.1	93	70-130	
Ethylbenzene	ug/L	ND	20	19.3	97	70-130	
m&p-Xylene	ug/L	ND	40	37.8	94	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	17.4	87	70-130	
Naphthalene	ug/L	ND	20	16.9	85	70-130	
o-Xylene	ug/L	ND	20	18.5	92	70-130	
tert-Amyl Alcohol	ug/L	ND	400	433	108	70-130	
tert-Amylmethyl ether	ug/L	ND	40	35.1	88	70-130	
tert-Butyl Alcohol	ug/L	ND	200	283	141	70-130	M1
tert-Butyl Formate	ug/L	ND	160	ND	0	70-130	P5
Toluene	ug/L	ND	20	19.3	97	70-130	
1,2-Dichloroethane-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				101	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 1747968

Parameter	Units	92299850009 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: 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

SAMPLE DUPLICATE 1747968

Parameter	Units	92299850009 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)	%	96	97	1		
4-Bromofluorobenzene (S)	%	102	103	1		
Toluene-d8 (S)	%	108	108	0		

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QUALITY CONTROL DATA

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No: 92299850

QC Batch:	MSV/37127	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV SC
Associated Lab Samples:	92299850010, 92299850011, 92299850014, 92299850015, 92299850016, 92299850017, 92299850018, 92299850019, 92299850021, 92299850022, 92299850023, 92299850024, 92299850026, 92299850028		

METHOD BLANK: 1748035 Matrix: Water

Associated Lab Samples: 92299850010, 92299850011, 92299850014, 92299850015, 92299850016, 92299850017, 92299850018, 92299850019, 92299850021, 92299850022, 92299850023, 92299850024, 92299850026, 92299850028

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1.8	06/04/16 01:35	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	06/04/16 01:35	
Benzene	ug/L	ND	5.0	1.7	06/04/16 01:35	
Diisopropyl ether	ug/L	ND	5.0	1.7	06/04/16 01:35	
Ethanol	ug/L	305	200	131	06/04/16 01:35	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.6	06/04/16 01:35	
Ethylbenzene	ug/L	ND	5.0	1.6	06/04/16 01:35	
m&p-Xylene	ug/L	ND	10.0	3.1	06/04/16 01:35	
Methyl-tert-butyl ether	ug/L	ND	5.0	1.7	06/04/16 01:35	
Naphthalene	ug/L	ND	5.0	2.0	06/04/16 01:35	
o-Xylene	ug/L	ND	5.0	1.6	06/04/16 01:35	
tert-Amyl Alcohol	ug/L	ND	100	76.8	06/04/16 01:35	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	06/04/16 01:35	
tert-Butyl Alcohol	ug/L	ND	100	57.7	06/04/16 01:35	
tert-Butyl Formate	ug/L	ND	50.0	7.3	06/04/16 01:35	
Toluene	ug/L	ND	5.0	1.6	06/04/16 01:35	
Xylene (Total)	ug/L	ND	10.0	2.7	06/04/16 01:35	
1,2-Dichloroethane-d4 (S)	%	97	70-130		06/04/16 01:35	
4-Bromofluorobenzene (S)	%	104	70-130		06/04/16 01:35	
Toluene-d8 (S)	%	107	70-130		06/04/16 01:35	

LABORATORY CONTROL SAMPLE: 1748036

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	43.4	87	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1030	103	70-130	
Benzene	ug/L	50	48.6	97	70-130	
Diisopropyl ether	ug/L	50	50.3	101	70-130	
Ethanol	ug/L	2000	3210	161	70-130 F3,L0	
Ethyl-tert-butyl ether	ug/L	100	105	105	70-130	
Ethylbenzene	ug/L	50	46.8	94	70-130	
m&p-Xylene	ug/L	100	91.0	91	70-130	
Methyl-tert-butyl ether	ug/L	50	50.7	101	70-130	
Naphthalene	ug/L	50	43.5	87	70-130	
o-Xylene	ug/L	50	44.6	89	70-130	
tert-Amyl Alcohol	ug/L	1000	1070	107	70-130	
tert-Amylmethyl ether	ug/L	100	93.7	94	70-130	
tert-Butyl Alcohol	ug/L	500	545	109	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 03538/52480 COASTAL 76 TRUCK S

Pace Project No 92299850

LABORATORY CONTROL SAMPLE: 1748036

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Formate	ug/L	400	350	87	70-130	
Toluene	ug/L	50	46.9	94	70-130	
Xylene (Total)	ug/L	150	136	90	70-130	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE SAMPLE 1748037

Parameter	Units	92299850016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	18.0	89	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	487	122	70-130	
Benzene	ug/L	ND	20	19.8	99	70-130	
Diisopropyl ether	ug/L	ND	20	19.1	95	70-130	
Ethanol	ug/L	ND	800	3160	395	70-130 M0	
Ethyl-tert-butyl ether	ug/L	ND	40	38.8	97	70-130	
Ethylbenzene	ug/L	ND	20	20.0	100	70-130	
m&p-Xylene	ug/L	ND	40	39.8	99	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	17.8	89	70-130	
Naphthalene	ug/L	ND	20	17.1	86	70-130	
o-Xylene	ug/L	ND	20	19.7	99	70-130	
tert-Amyl Alcohol	ug/L	ND	400	503	126	70-130	
tert-Amylmethyl ether	ug/L	ND	40	36.4	91	70-130	
tert-Butyl Alcohol	ug/L	ND	200	343	171	70-130 M1	
tert-Butyl Formate	ug/L	ND	160	ND	0	70-130 M1	
Toluene	ug/L	ND	20	20.1	101	70-130	
1,2-Dichloroethane-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				103	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 1748038

Parameter	Units	92299850017 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: 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

SAMPLE DUPLICATE 1748038

Parameter	Units	92299850017 Result	Dup Result	RPD	Max RPD	Qualifiers
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)	%	97	98	1		
4-Bromofluorobenzene (S)	%	105	104	1		
Toluene-d8 (S)	%	107	108	1		

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REPORT OF LABORATORY ANALYSIS

QUALITY CONTROL DATA

Project: 03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

QC Batch:	MSV/37128	Analysis Method	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description	8260 MSV SC
Associated Lab Samples	92299850020		

METHOD BLANK: 1748041

Matrix: Water

Associated Lab Samples: 92299850020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1.8	06/04/16 01:52	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	06/04/16 01:52	
Benzene	ug/L	ND	5.0	1.7	06/04/16 01:52	
Diisopropyl ether	ug/L	ND	5.0	1.7	06/04/16 01:52	
Ethanol	ug/L	ND	200	131	06/04/16 01:52	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.6	06/04/16 01:52	
Ethylbenzene	ug/L	ND	5.0	1.6	06/04/16 01:52	
m&p-Xylene	ug/L	ND	10.0	3.1	06/04/16 01:52	
Methyl-tert-butyl ether	ug/L	ND	5.0	1.7	06/04/16 01:52	
Naphthalene	ug/L	ND	5.0	2.0	06/04/16 01:52	
o-Xylene	ug/L	ND	5.0	1.6	06/04/16 01:52	
tert-Amyl Alcohol	ug/L	ND	100	76.8	06/04/16 01:52	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	06/04/16 01:52	
tert-Butyl Alcohol	ug/L	ND	100	57.7	06/04/16 01:52	
tert-Butyl Formate	ug/L	ND	50.0	7.3	06/04/16 01:52	
Toluene	ug/L	ND	5.0	1.6	06/04/16 01:52	
Xylene (Total)	ug/L	ND	10.0	2.7	06/04/16 01:52	
1,2-Dichloroethane-d4 (S)	%	98	70-130		06/04/16 01:52	
4-Bromofluorobenzene (S)	%	103	70-130		06/04/16 01:52	
Toluene-d8 (S)	%	105	70-130		06/04/16 01:52	

LABORATORY CONTROL SAMPLE 1748042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	41.2	82	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	961	96	70-130	
Benzene	ug/L	50	44.9	90	70-130	
Diisopropyl ether	ug/L	50	48.5	97	70-130	
Ethanol	ug/L	2000	3500	175	70-130 F3,L0	
Ethyl-tert-butyl ether	ug/L	100	101	101	70-130	
Ethylbenzene	ug/L	50	43.6	87	70-130	
m&p-Xylene	ug/L	100	84.8	85	70-130	
Methyl-tert-butyl ether	ug/L	50	50.0	100	70-130	
Naphthalene	ug/L	50	41.8	84	70-130	
o-Xylene	ug/L	50	41.7	83	70-130	
tert-Amyl Alcohol	ug/L	1000	989	99	70-130	
tert-Amylmethyl ether	ug/L	100	91.2	91	70-130	
tert-Butyl Alcohol	ug/L	500	501	100	70-130	
tert-Butyl Formate	ug/L	400	342	85	70-130	
Toluene	ug/L	50	43.5	87	70-130	

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QUALITY CONTROL DATA

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No: 92299850

LABORATORY CONTROL SAMPLE: 1748042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	126	84	70-130	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE SAMPLE: 1748043

Parameter	Units	92299871014 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	19.0	95	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	462	115	70-130	
Benzene	ug/L	ND	20	21.0	105	70-130	
Diisopropyl ether	ug/L	ND	20	18.5	93	70-130	
Ethanol	ug/L	ND	800	2050	257	70-130 M0	
Ethyl-tert-butyl ether	ug/L	ND	40	38.1	95	70-130	
Ethylbenzene	ug/L	ND	20	20.8	104	70-130	
m&p-Xylene	ug/L	ND	40	40.9	102	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	17.8	89	70-130	
Naphthalene	ug/L	ND	20	17.7	88	70-130	
o-Xylene	ug/L	ND	20	19.9	100	70-130	
tert-Amyl Alcohol	ug/L	ND	400	478	120	70-130	
tert-Amylmethyl ether	ug/L	ND	40	36.0	90	70-130	
tert-Butyl Alcohol	ug/L	ND	200	347	173	70-130 M1	
tert-Butyl Formate	ug/L	ND	160	ND	0	70-130 P5	
Toluene	ug/L	ND	20	21.2	106	70-130	
1,2-Dichloroethane-d4 (S)	%				101	70-130	
4-Bromofluorobenzene (S)	%				101	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 1748044

Parameter	Units	92299871015 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: 03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

SAMPLE DUPLICATE 1748044

Parameter	Units	92299871015 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)	%	97	95	2		
4-Bromofluorobenzene (S)	%	103	103	0		
Toluene-d8 (S)	%	107	107	0		

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QUALITY CONTROL DATA

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No: 92299850

QC Batch: MSV/37133 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92299850003, 92299850004, 92299850005, 92299850007, 92299850012, 92299850013, 92299850025, 92299850027

METHOD BLANK 1748591 Matrix: Water
Associated Lab Samples 92299850003, 92299850004, 92299850005, 92299850007, 92299850012, 92299850013, 92299850025, 92299850027

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1.8	06/04/16 15:54	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	06/04/16 15:54	
Benzene	ug/L	ND	5.0	1.7	06/04/16 15:54	
Diisopropyl ether	ug/L	ND	5.0	1.7	06/04/16 15:54	
Ethanol	ug/L	487	200	131	06/04/16 15:54	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.6	06/04/16 15:54	
Ethylbenzene	ug/L	ND	5.0	1.6	06/04/16 15:54	
m&p-Xylene	ug/L	ND	10.0	3.1	06/04/16 15:54	
Methyl-tert-butyl ether	ug/L	ND	5.0	1.7	06/04/16 15:54	
Naphthalene	ug/L	ND	5.0	2.0	06/04/16 15:54	
o-Xylene	ug/L	ND	5.0	1.6	06/04/16 15:54	
tert-Amyl Alcohol	ug/L	ND	100	76.8	06/04/16 15:54	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	06/04/16 15:54	
tert-Butyl Alcohol	ug/L	ND	100	57.7	06/04/16 15:54	
tert-Butyl Formate	ug/L	ND	50.0	7.3	06/04/16 15:54	
Toluene	ug/L	ND	5.0	1.6	06/04/16 15:54	
Xylene (Total)	ug/L	ND	10.0	2.7	06/04/16 15:54	
1,2-Dichloroethane-d4 (S)	%	99	70-130		06/04/16 15:54	
4-Bromofluorobenzene (S)	%	101	70-130		06/04/16 15:54	
Toluene-d8 (S)	%	106	70-130		06/04/16 15:54	

LABORATORY CONTROL SAMPLE: 1748592

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	49.5	99	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	945	95	70-130	
Benzene	ug/L	50	54.7	109	70-130	
Diisopropyl ether	ug/L	50	52.8	106	70-130	
Ethanol	ug/L	2000	2590	129	70-130	
Ethyl-tert-butyl ether	ug/L	100	104	104	70-130	
Ethylbenzene	ug/L	50	53.5	107	70-130	
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	53.3	107	70-130	
Naphthalene	ug/L	50	49.7	99	70-130	
o-Xylene	ug/L	50	52.4	105	70-130	
tert-Amyl Alcohol	ug/L	1000	954	95	70-130	
tert-Amylmethyl ether	ug/L	100	103	103	70-130	
tert-Butyl Alcohol	ug/L	500	456	91	70-130	

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QUALITY CONTROL DATA

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No 92299850

LABORATORY CONTROL SAMPLE: 1748592

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Formate	ug/L	400	392	98	70-130	
Toluene	ug/L	50	52.4	105	70-130	
Xylene (Total)	ug/L	150	159	106	70-130	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE SAMPLE: 1749209

Parameter	Units	92299871004 Result	Spike Conc	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	19.8	98	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	328	82	70-130	
Benzene	ug/L	ND	20	21.4	107	70-130	
Diisopropyl ether	ug/L	ND	20	17.7	89	70-130	
Ethanol	ug/L	ND	800	452	57	70-130	M1
Ethyl-tert-butyl ether	ug/L	ND	40	35.7	89	70-130	
Ethylbenzene	ug/L	ND	20	21.1	105	70-130	
m&p-Xylene	ug/L	ND	40	42.6	106	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	17.4	87	70-130	
Naphthalene	ug/L	ND	20	18.2	91	70-130	
o-Xylene	ug/L	ND	20	20.5	102	70-130	
tert-Amyl Alcohol	ug/L	ND	400	313	78	70-130	
tert-Amylmethyl ether	ug/L	ND	40	33.3	83	70-130	
tert-Butyl Alcohol	ug/L	ND	200	247	123	70-130	
tert-Butyl Formate	ug/L	ND	160	ND	0	70-130	P5
Toluene	ug/L	ND	20	21.6	108	70-130	
1,2-Dichloroethane-d4 (S)	%				102	70-130	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 1748594

Parameter	Units	92299871002 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	1.8J	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	19.9	17.9	11	30	
o-Xylene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

SAMPLE DUPLICATE: 1748594

Parameter	Units	92299871002 Result	Dup Result	RPD	Max RPD	Qualifiers
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)	%	98	100	2		
4-Bromofluorobenzene (S)	%	102	101	1		
Toluene-d8 (S)	%	104	105	1		

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REPORT OF LABORATORY ANALYSIS

QUALITY CONTROL DATA

Project: 03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

QC Batch:	OEXT/42932	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	GCS 8011 EDB DBCP
Associated Lab Samples: 92299850001, 92299850002, 92299850003, 92299850004, 92299850005, 92299850006, 92299850007			

METHOD BLANK. 1747699 Matrix Water
Associated Lab Samples 92299850001, 92299850002, 92299850003, 92299850004, 92299850005, 92299850006, 92299850007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.020	06/03/16 12:56	
1-Chloro-2-bromopropane (S)	%	104	60-140		06/03/16 12:56	

LABORATORY CONTROL SAMPLE & LCSD. 1747700

1747701

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	0.32	0.33	114	112	60-140	3	20	
1-Chloro-2-bromopropane (S)	%				106	103	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE 1747702

1747703

Parameter	Units	2037354009 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	0.68	0.64	234	222	60-140	5	20	M1
1-Chloro-2-bromopropane (S)	%						114	101	60-140			

SAMPLE DUPLICATE. 1747704

Parameter	Units	2037354010 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	111	117	7		

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QUALITY CONTROL DATA

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

QC Batch: OEXT/42933 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92299850010, 92299850011, 92299850013, 92299850014, 92299850015, 92299850016, 92299850017, 92299850018, 92299850019, 92299850020, 92299850021, 92299850022, 92299850023, 92299850026, 92299850027

METHOD BLANK: 1747705 Matrix: Water
Associated Lab Samples: 92299850010, 92299850011, 92299850013, 92299850014, 92299850015, 92299850016, 92299850017, 92299850018, 92299850019, 92299850020, 92299850021, 92299850022, 92299850023, 92299850026, 92299850027

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.32	0.019	0.019	06/03/16 22:19	
1-Chloro-2-bromopropane (S)	%	103	60-140		06/03/16 22:19	

LABORATORY CONTROL SAMPLE & LCSD: 1747706		1747707								
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	0.32	116	112	60-140	4	20	
1-Chloro-2-bromopropane (S)	%				100	101	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE				1747709		1747710						
Parameter	Units	92299850026 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	0.34	0.34	120	120	60-140	0	20	
1-Chloro-2-bromopropane (S)	%						113	115	60-140			

SAMPLE DUPLICATE: 1747708		92299850011 Result	Dup Result	RPD	Max RPD	Qualifiers
Parameter	Units					
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	104	102	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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project 03538/52480 COASTAL 76 TRUCK S
Pace Project No.. 92299850

QC Batch: OEXT/42952 Analysis Method: EPA 8011
QC Batch Method EPA 8011 Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92299850008, 92299850009

METHOD BLANK: 1748739 Matrix Water
Associated Lab Samples 92299850008, 92299850009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.020	06/06/16 14.38	
1-Chloro-2-bromopropane (S)	%	102	60-140		06/06/16 14.38	

LABORATORY CONTROL SAMPLE & LCSD		1748740		1748741						
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	0.29	0.32	104	112	60-140	10	20	
1-Chloro-2-bromopropane (S)	%				100	103	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1748743		1748744							
Parameter	Units	92299219005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	.28	.28	0.32	0.32	112	114	60-140	2	20
1-Chloro-2-bromopropane (S)	%						102	105	60-140		

SAMPLE DUPLICATE: 1748742		92299142002	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	112	96	18		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

QC Batch: OEXT/42975 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92299850012, 92299850024, 92299850025

METHOD BLANK: 1749651 Matrix: Water
Associated Lab Samples: 92299850012, 92299850024, 92299850025

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.019	0.019	06/08/16 02:21	
1-Chloro-2-bromopropane (S)	%	101	60-140		06/08/16 02:21	

LABORATORY CONTROL SAMPLE & LCSD: 1749652

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	0.34	0.35	118	120	60-140	2	20	
1-Chloro-2-bromopropane (S)	%				108	108	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1749655 1749656

Parameter	Units	92300062029 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	0.30	108	106	60-140	2	20	
1-Chloro-2-bromopropane (S)	%						102	100	60-140			

SAMPLE DUPLICATE: 1749654

Parameter	Units	92300062027 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	100	143	35		S3

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

QUALIFIERS

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

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

F3	The recovery of the second source standard used to verify the initial calibration curve for this analyte is outside the laboratory's control limits. The result is estimated.
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.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
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.
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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92299850001	IGWA A	EPA 8011	OEXT/42932	EPA 8011	GCSV/25169
92299850002	IGWA R	EPA 8011	OEXT/42932	EPA 8011	GCSV/25169
92299850003	MW1	EPA 8011	OEXT/42932	EPA 8011	GCSV/25169
92299850004	MW2	EPA 8011	OEXT/42932	EPA 8011	GCSV/25169
92299850005	MW3	EPA 8011	OEXT/42932	EPA 8011	GCSV/25169
92299850006	MW6	EPA 8011	OEXT/42932	EPA 8011	GCSV/25169
92299850007	MW7	EPA 8011	OEXT/42932	EPA 8011	GCSV/25169
92299850008	MW8	EPA 8011	OEXT/42952	EPA 8011	GCSV/25180
92299850009	MW11	EPA 8011	OEXT/42952	EPA 8011	GCSV/25180
92299850010	MW14	EPA 8011	OEXT/42933	EPA 8011	GCSV/25170
92299850011	MW15	EPA 8011	OEXT/42933	EPA 8011	GCSV/25170
92299850012	MW17	EPA 8011	OEXT/42975	EPA 8011	GCSV/25192
92299850013	MW18	EPA 8011	OEXT/42933	EPA 8011	GCSV/25170
92299850014	MW19	EPA 8011	OEXT/42933	EPA 8011	GCSV/25170
92299850015	MW21	EPA 8011	OEXT/42933	EPA 8011	GCSV/25170
92299850016	MW22	EPA 8011	OEXT/42933	EPA 8011	GCSV/25170
92299850017	MW22D	EPA 8011	OEXT/42933	EPA 8011	GCSV/25170
92299850018	MW23	EPA 8011	OEXT/42933	EPA 8011	GCSV/25170
92299850019	MW24	EPA 8011	OEXT/42933	EPA 8011	GCSV/25170
92299850020	MW25	EPA 8011	OEXT/42933	EPA 8011	GCSV/25170
92299850021	MW26	EPA 8011	OEXT/42933	EPA 8011	GCSV/25170
92299850022	MW27	EPA 8011	OEXT/42933	EPA 8011	GCSV/25170
92299850023	TW2	EPA 8011	OEXT/42933	EPA 8011	GCSV/25170
92299850024	DUP1	EPA 8011	OEXT/42975	EPA 8011	GCSV/25192
92299850025	DUP2	EPA 8011	OEXT/42975	EPA 8011	GCSV/25192
92299850026	FIELD BLANK	EPA 8011	OEXT/42933	EPA 8011	GCSV/25170
92299850027	MW5	EPA 8011	OEXT/42933	EPA 8011	GCSV/25170
92299850001	IGWA A	EPA 8260	MSV/37122		
92299850002	IGWA R	EPA 8260	MSV/37122		
92299850003	MW1	EPA 8260	MSV/37133		
92299850004	MW2	EPA 8260	MSV/37133		
92299850005	MW3	EPA 8260	MSV/37133		
92299850006	MW6	EPA 8260	MSV/37122		
92299850007	MW7	EPA 8260	MSV/37133		
92299850008	MW8	EPA 8260	MSV/37122		
92299850009	MW11	EPA 8260	MSV/37122		
92299850010	MW14	EPA 8260	MSV/37127		
92299850011	MW15	EPA 8260	MSV/37127		
92299850012	MW17	EPA 8260	MSV/37133		
92299850013	MW18	EPA 8260	MSV/37133		
92299850014	MW19	EPA 8260	MSV/37127		
92299850015	MW21	EPA 8260	MSV/37127		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 03538/52480 COASTAL 76 TRUCK S
Pace Project No.: 92299850

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92299850016	MW22	EPA 8260	MSV/37127		
92299850017	MW22D	EPA 8260	MSV/37127		
92299850018	MW23	EPA 8260	MSV/37127		
92299850019	MW24	EPA 8260	MSV/37127		
92299850020	MW25	EPA 8260	MSV/37128		
92299850021	MW26	EPA 8260	MSV/37127		
92299850022	MW27	EPA 8260	MSV/37127		
92299850023	TW2	EPA 8260	MSV/37127		
92299850024	DUP1	EPA 8260	MSV/37127		
92299850025	DUP2	EPA 8260	MSV/37133		
92299850026	FIELD BLANK	EPA 8260	MSV/37127		
92299850027	MW5	EPA 8260	MSV/37133		
92299850028	TRIP BLANK	EPA 8260	MSV/37127		

REPORT OF LABORATORY ANALYSIS

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Document Name:
Sample Condition Upon Receipt(SCUR)
Document No.:
F-CHR-CS-003-rev.19

Document Revised: April 25, 2016
Page 1 of 2
Issuing Authority:
Pace Huntersville Quality Office

Page 2 of 2 for Internal Use ONLY
WO# : 92299850

92299850

Sample Condition Upon Receipt

Client Name:

SCDHIC - UST

Project #:

Courier:

☐ Commercial

☐ Fed Ex
☒ Pace

☐ UPS

☐ USPS

☐ Other: _____

☐ Client

Custody Seal Present?

☐ Yes

☒ No

Seals Intact?

☐ Yes

☒ No

Date/Initials Person Examining Contents: JM 6-2-16

Packing Material:

☐ Bubble Wrap

☒ Bubble Bags

☐ None

☐ Other: _____

Thermometer:

T1505

Type of Ice:

☒ Wet

☐ Blue

☐ None

☐ Samples on ice, cooling process has begun

Correction Factor: 0.0°C

Cooler Temp Corrected (°C):

5.0

Biological Tissue Frozen?

☐ Yes

☐ No

☐ N/A

Temp should be above freezing to 6°C

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.	
Samples Field Filtered?	☐ Yes ☐ No ☒ N/A	8.	Note if sediment is visible in the dissolved container
Sample Labels Match COC?	☐ Yes ☒ No ☐ N/A	9.	NO Time/Date on bottle labels
-Includes Date/Time/ID/Analysis Matrix: <u>WT</u>			
All containers needing acid/base preservation have been checked?	☐ Yes ☐ No ☒ N/A	10.	HNC3 pH<2 HCl pH<2 H2SO4 pH<2 NaOH pH>12 NaOH/ZnOAc pH>9
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC,LLHg	☐ Yes ☐ No ☒ N/A		
Samples checked for dechlorination?	☐ Yes ☐ No ☒ N/A	11.	
Headspace in VOA Vials (>5-6mm)?	☐ Yes ☒ No ☐ N/A	12.	
Trip Blank Present?	☒ Yes ☐ No ☐ N/A	13.	
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/Sample

Discrepancy: _____

Project Manager SCURF Review:

Date: 6/3/16

Project Manager SRF Review: _____

Date: _____

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)

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Company: **SCOTEC-UST**
Address: **2000 BUN STREET**
COLUMBIA SC 29201
Email To: **brant@scotec.com**
Phone: **803-999-0606** Fax: **803-694-0623**
Requested Due Date/TAT:

Section B Required Project Information:

Report To: **J. Bryant**
Copy To:
Purchase Order No.: **4600422513**
Project Name: **Coastal 76 Truck Stop**
Project Number: **UST 03538 / PACE 52480**

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference: **T. Carter**
Pace Project Manager:
Pace Profile #:

Page: **2** of **3**

1998791

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☒ UST ☐ RCRA ☐ OTHER

Site Location
STATE: **SC**

Florence

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
						COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	Analysis Test ↓	Analysis Test ↓	Analysis Test ↓	Analysis Test ↓	Analysis Test ↓	Analysis Test ↓	Analysis Test ↓	Analysis Test ↓	Analysis Test ↓			Analysis Test ↓																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Tissue Other	DW WT WW P SL OL WP AR TS OT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															</

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: **Peter J. Wille**

SIGNATURE of SAMPLER: **Peter J. Wille**

DATE Signed (MM/DD/YY): **6/1/16**

Temp in °C
Received on Ice (Y/N)
Custody Sealed Cooler (Y/N)
Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: <u>3</u> of <u>3</u> 1998793	
Company: <u>SCDHEC-UST</u>		Report To: <u>J. Bryant-UST</u>		Attention:		REGULATORY AGENCY ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☒ UST ☐ RCRA ☐ OTHER _____	
Address: <u>2600 Bull Street</u>		Copy To:		Company Name:			
City/State/Zip: <u>Columbia, SC 29201</u>				Address:			
Email To: <u>bryantjc@dhcc.sc.gov</u>		Purchase Order No.: <u>4600422513</u>		Pace Quote Reference:		Site Location: <u>SC</u> <u>Florence</u> STATE:	
Phone: <u>803-898-0606</u> Fax: <u>803-898-0673</u>		Project Name: <u>Coastal 76 Truck Stop</u>		Pace Project Manager: <u>T. Carter</u>			
Requested Due Date/TAT:		Project Number: <u>UST 03538 / PACE 52480</u>		Pace Profile #:			

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test ↓	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.							
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other													
					DATE	TIME	DATE	TIME																							
1	MW 26		WTG			6/1/16	11:19	6																					No odor	024	
2	MW 27		WTG			6/1/16	10:07	6																					No odor	025	
3	MW 28																													Not sampled	
4	TW 1																													Not sampled	
5	TW 2		WTG			6/1/16	11:30	6																						No odor	023
6	Dup 1						11:54																							Odor	024
7	Dup 2						11:50																							Odor	025
8	Field blank						13:20																							Field blank	026
9	Trip blank						13:22																							Trip blank	027
10	MW 5		WTG			6/1/16	12:30	6																						Slight odor	027
11																															
12																															
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION				DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS													
		Peter J. Wille / MEET				6/1/16		15:30		Young John / Pace				6-2-16		11:09		S.O Y N Y													
		Young John / Pace				6-2-16		1203		PACE HUL				6-2-16		1203															

ORIGINAL

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <u>Peter J Wille</u>					
SIGNATURE of SAMPLER: <u>Peter J Wille</u>					
DATE Signed (MM/DD/YY): <u>6/1/16</u>					



INVOICE

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
Phone: (704)875-9092

Invoice Number: 1692073122
Date: 06/14/2016
Total Amount Due: \$1,018.00

Sold To:

Mr. John Bryant
SCDHEC
UST Program
2600 Bull Street
Columbia, SC 29201
(803)898-0606

Please Remit To:

Pace Analytical Services, Inc.
P.O. Box 684056
Chicago, IL 60695-4056

Client Number/Client ID	Purchase Order No	Pace Project Mgr	Terms	Page
92-615594 / 92-SCDHEC	4600422512	Trey Carter	Net 30 Days**	1

Client Project: 03538/52480 COASTAL 76 TRUCK S

Client Name: SCDHEC

Pace Project No: 92299850

Sample Received: 6/2/2016

Report Sent To: Mr. John Bryant, SCDHEC

Comments:

ANALYTICAL CHARGES

Quantity	Unit	Description	Method	Matrix	Price	Total
27	Ea	8011 GCS EDB DBCP	EPA 8011	Water	\$18.00	\$486.00
28	Ea	8260 MSV	EPA 8260	Water	\$19.00	\$532.00
Analytical Subtotal						\$1,018.00

Total Number of Charges 55

Total Invoice Amount **\$1,018.00**

Samples Received for analysis:

Lab ID	Client Sample ID	Received
92299850001	IGWA A	6/2/2016 12:03:00
92299850002	IGWA R	6/2/2016 12:03:00
92299850003	MW1	6/2/2016 12:03:00
92299850004	MW2	6/2/2016 12:03:00
92299850005	MW3	6/2/2016 12:03:00
92299850006	MW6	6/2/2016 12:03:00
92299850007	MW7	6/2/2016 12:03:00
92299850008	MW8	6/2/2016 12:03:00
92299850009	MW11	6/2/2016 12:03:00
92299850010	MW14	6/2/2016 12:03:00
92299850011	MW15	6/2/2016 12:03:00
92299850012	MW17	6/2/2016 12:03:00

Page 1 of 2

****1.5% MONTHLY FINANCE CHARGE ASSESSED AFTER 30 DAYS OR TERMS OF CONTRACT.**

PLEASE REFERENCE THE INVOICE NUMBER ON ALL REMITTANCE ADVICE.

AN EQUAL OPPORTUNITY EMPLOYER

Please complete and return copy of invoice with your payment.

INVOICE TOTAL \$1,018.00

Amount Paid: \$ _____

Check No: _____

Customer No: 92-615594 Invoice No: 1692073122



INVOICE

Pace Analytical Services, Inc.
9800 Kinney Ave. Suite 100
Huntersville, NC 28078
Phone: (704)875-9092

Invoice Number: 1692073122
Date: 06/14/2016
Total Amount Due: \$1,018.00

Sold To:

Mr. John Bryant
SCDHEC
UST Program
2600 Bull Street
Columbia, SC 29201
(803)898-0606

Please Remit To:

Pace Analytical Services, Inc.
P.O. Box 684056
Chicago, IL 60695-4056

Client Number/Client ID	Purchase Order No	Pace Project Mgr	Terms	Page
92-615594 / 92-SCDHEC	4600422512	Trey Carter	Net 30 Days**	2

Client Project: 03538/52480 COASTAL 76 TRUCK S

Client Name: SCDHEC

Pace Project No: 92299850

Sample Received: 6/2/2016

Report Sent To: Mr. John Bryant, SCDHEC

Comments:

Samples Received for analysis:

Lab ID	Client Sample ID	Received
92299850013	MW18	6/2/2016 12:03:00
92299850014	MW19	6/2/2016 12:03:00
92299850015	MW21	6/2/2016 12:03:00
92299850016	MW22	6/2/2016 12:03:00
92299850017	MW22D	6/2/2016 12:03:00
92299850018	MW23	6/2/2016 12:03:00
92299850019	MW24	6/2/2016 12:03:00
92299850020	MW25	6/2/2016 12:03:00
92299850021	MW26	6/2/2016 12:03:00
92299850022	MW27	6/2/2016 12:03:00
92299850023	TW2	6/2/2016 12:03:00
92299850024	DUP1	6/2/2016 12:03:00
92299850025	DUP2	6/2/2016 12:03:00
92299850026	FIELD BLANK	6/2/2016 12:03:00
92299850027	MW5	6/2/2016 12:03:00
92299850028	TRIP BLANK	6/2/2016 12:03:00

If you have any questions, please contact Trey Carter at Pace.

Phone: (704)875-9092 Email: trey.carter@pacelabs.com

****1.5% MONTHLY FINANCE CHARGE ASSESSED AFTER 30 DAYS OR TERMS OF CONTRACT.
PLEASE REFERENCE THE INVOICE NUMBER ON ALL REMITTANCE ADVICE.**

Page 2 of 2

AN EQUAL OPPORTUNITY EMPLOYER

UNDERGROUND STORAGE TANK (UST) OWNER/OPERATOR LEAD
INFORMATION SHEET



1. CONTRACTOR OF CHOICE

As the UST Owner/Operator of UST Permit # 03538 (Coastal 76 Truck Stop), 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) _____
☒ 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 ☒ 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 fiancée.

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. ☒ Yes _____ No (please initial)

Note: All costs must receive prior financial approval from the Department regardless of payment option.

Underground Storage Tank Owner/Operator Signature

Date

Daniel Scott P.R.
8/29/16



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: Kyle Patterson

RE: Site Specific Work Plan Request

Facility Name: Coastal Truck Stop 76

Permit Number: 03538

County: Florence

Work To Be Completed: Please submit a SSWP for comprehensive GW monitoring

Total Number of Samples: 25

Analysis Being Requested: BTEXNM+Oxyg's+1,2 DCA+Eth(8260B)+EDB by EPA 8011



BRYAN SHANE
MIDLANDS ENVIRONMENTAL CONSULTANTS
PO BOX 854
LEXINGTON SC 29071

FEB 21 2017

Re: **Site Specific Work Plan Request**
Groundwater Sampling Contract
Solicitation # IFB-5400007403, PO#4600529921

Dear Mr. Shane:

In accordance with bid solicitation # IFB-5400007403 and the UST Management Division Quality Assurance Program Plan (QAPP), Revision 3.1 it is requested that you submit a Site Specific Work Plan for each site attached. 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.

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) 898-0606 or bryantjc@dhec.sc.gov.

Sincerely,

John C. Bryant, Hydrogeologist
Corrective Action Section
UST Management Division
Bureau of Land & Waste Management

enc: Site Information Packages

cc: Technical Files



March 6, 2017

Mr. Kyle Patterson, 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
Coastal Truck Stop 76
Florence, South Carolina
SCDHEC Site ID Number 03538
MECI Project Number 17-5929
Certified Site Rehabilitation Contractor UCC-0009

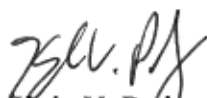
Dear Mr. Patterson,

Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Site-Specific Work Plan for the referenced site.

On March 1, 2017 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



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

To: Mr. Kyle Patterson (SCDHEC Project Manager)
From: Jeff L. Coleman (Contractor Project Manager)
Contractor: Midlands Environmental Consultants, Inc. UST Contractor Certification Number: 009

Facility Name: Coastal Truck Stop 76 UST Permit #: 03538
Facility Address: 2513 East Palmetto Street, Florence, SC 29506
Responsible Party: Dan McEachin Phone: 803-651-8835
RP Address: 1007 Wentworth Drive, Florence, SC 29501
Property Owner (if different): SAA
Property Owner Address: SAA
Current Use of Property: Abandoned Auto Garage

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 _____

Drinking Water Supply Wells:

☐ BTEXNMDCA (524.2) ☐ Mercury (200.8 245.1 or 245.2) ☐ EDB (504.1)
☐ Oxygenates & Ethanol (8260B) ☐ RCRA Metals (200.8)

Soil:

☐ BTEXNM ☐ Lead ☐ 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
32 _____ Monitoring Wells _____ Surface Water _____ 2 _____ Duplicate _____ 2 _____ 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 #: 03538 Facility Name: Coastal Truck Stop 76

Implementation Schedule (Number of calendar days from approval)

Field Work Start-Up: 3/6/2017

Field Work Completion: 4/6/2017

Report Submittal: 5/6/2017

of Copies Provided to Property Owners: 2

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/repared, well pads/bolts/caps to replace, details of AFVR event, etc.

-During the site visit, monitoring wells MW-7, MW-10, MW-10R, MW-20, MW-21, MW-22, MW-22D, and MW-28 were unable to be located. MECI well send extra personnel during sampling activities. If any of these wells are located, they will be sampled accordingly.

-Only monitoring wells which do not bracket the watertable will be purged prior to sample collection.

-Samples will be analyzed for BTEXNM, 1,2 DCA, 8 Oxy's, and EDB.

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: _____

Yes 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	Proposed monitoring well locations
Location of property lines	Legend with facility name and address, UST permit number, and bar scale
Location of buildings	Streets or highways (indicate names and numbers)
Previous soil sampling locations	Location of all present and former ASTs and USTs
Previous monitoring well locations	Location of all potential receptors
Proposed soil boring locations	
3. Assessment Component Cost Agreement, SCDHEC Form D-3664



**ASSESSMENT COMPONENT COST AGREEMENT
SOUTH CAROLINA**

Department of Health and Environmental Control
Underground Storage Tank Management Division
State Underground Petroleum Environmental Response Bank Account
August 16, 2016

Facility Name: Coastal Truck Stop 76

UST Permit #: 03538

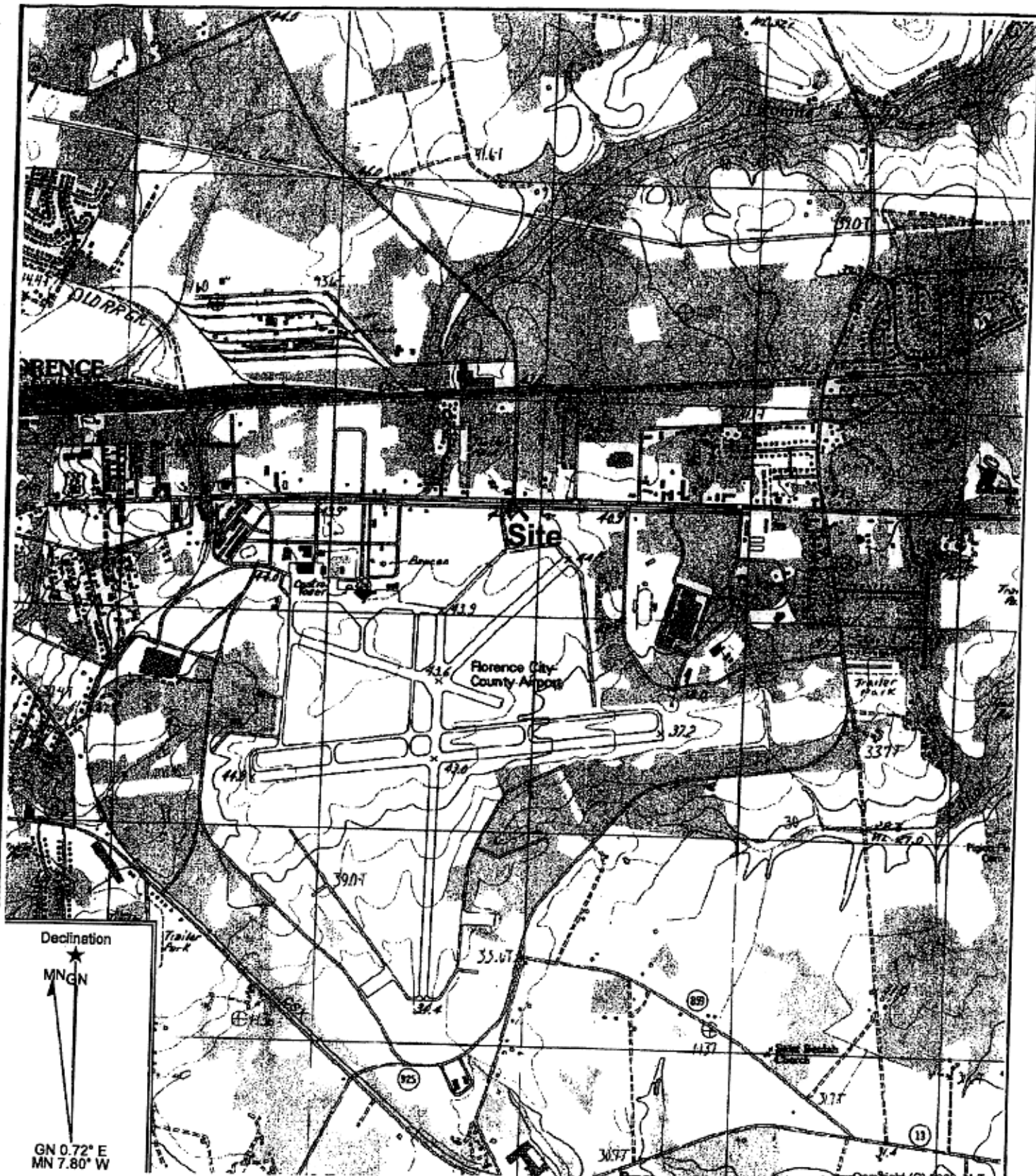
Cost Agreement #: Proposal

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	3	each	\$1,020.00	\$0.00
B1. Personnel		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 sample, soil sample, soil gas sample, etc.)*				
AA. Standard		per foot	\$15.00	\$0.00
C1. Fractured Rock		per foot	\$20.20	\$0.00
7. A1. Soil Leachability Model		each	\$60.00	\$0.00
8. Abandonment (per foot)*				
A1. 2" diameter or less		per foot	\$3.10	\$0.00
B1. Greater than 2" to 6" diameter		per foot	\$4.50	\$0.00
C1. Dug/Bored well (up to 6 feet diameter)		per foot	\$15.00	\$0.00
9. Well Installation (per foot)*				
A1. Water Table (hand augered)		per foot	\$10.60	\$0.00
B1. Water Table (drill rig)		per foot	\$38.00	\$0.00
CC. Telescoping		per foot	\$50.00	\$0.00
DD. Rock Drilling		per foot	\$58.00	\$0.00
E1. 2" Rock Coring		per foot	\$30.90	\$0.00
G1. Rock Multi-sampling ports/screens		per foot	\$33.40	\$0.00
HH. Recovery Well (4" diameter)		per foot	\$45.00	\$0.00
II. Pushed Pre-packed screen (1.25" dia)		per foot	\$15.00	\$0.00
J1. Rotasonic (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	3	per well/receptor	\$60.00	\$180.00
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	29	per well/receptor	\$28.00	\$812.00
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

11. Laboratory Analyses-Groundwater				
A2. BTEXNM+Oxyg's+1,2 DCA+Eth(8260B)	37	per sample	\$122.00	\$4,514.00
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	35	per sample	\$45.20	\$1,582.00
FF1. EDB by EPA Method 8011 Rush		per sample	\$68.20	\$0.00
G1. 8 RCRA Metals		per sample	\$63.40	\$0.00
H1. TPH (9070)		per sample	\$41.00	\$0.00
II. pH		per sample	\$5.20	\$0.00
J1. BOD		per sample	\$20.00	\$0.00
PP. Ethanol		per sample	\$14.80	\$0.00
11. Analyses-Drinking Water				
L. BTEXNM+1,2 DCA (524.2)		per sample	\$124.05	\$0.00
M. 7-OXYGENATES & ETHANOL (8260B)		per sample	\$91.75	\$0.00
N. EDB (504.1)		per sample	\$79.50	\$0.00
O. RCRA METALS (200.8)		per sample	\$100.00	\$0.00
11. Analyses-Soil				
Q1. BTEX + Naphth.		per sample	\$64.00	\$0.00
R1. PAH's		per sample	\$64.04	\$0.00
S1. 8 RCRA Metals		per sample	\$56.40	\$0.00
U1. TPH-DRO (3550C/8015C)		per sample	\$40.00	\$0.00
V1. TPH- GRO (5030B/8015C)		per sample	\$35.96	\$0.00
W1. Grain size/hydrometer		per sample	\$104.00	\$0.00
X1. Total Organic Carbon		per sample	\$30.60	\$0.00
11. Analyses-Air				
Y1. BTEX + Naphthalene		per sample	\$216.00	\$0.00
11. Analyses-Free Phase Product				
Z1. Hydrocarbon Fuel Identification		per sample	\$357.00	\$0.00
12. Aquifer Characterization				
A1. Pumping Test*		per hour	\$23.00	\$0.00
B1. Slug Test*		per test	\$191.00	\$0.00
C1. Fractured Rock		per test	\$100.00	\$0.00
13. A1. Free Product Recovery Rate Test*				
		each	\$38.00	\$0.00
14. Fate/Transport Modeling				
A1. Mathematical Model		each	\$100.00	\$0.00
B1. Computer Model		each	\$100.00	\$0.00
15. Risk Evaluation				
A. Tier I Risk Evaluation		each	\$300.00	\$0.00
B1. Tier II Risk Evaluation		each	\$100.00	\$0.00
16. A1. Subsequent Survey*				
		each	\$260.00	\$0.00
17. Disposal (gallons or tons)*				
AA. Wastewater	200	gallon	\$0.56	\$112.00
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
II. Convert Flush-mount to Stick-up*		each	\$150.00	\$0.00
J1. Convert Stick-up to Flush-mount*		each	\$130.00	\$0.00
K1. Replace missing/illegible well ID plate		each	\$12.00	\$0.00
Report Prep & Project Management	12%	percent	\$8,643.60	\$1,037.23
TOTAL				\$9,680.83

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



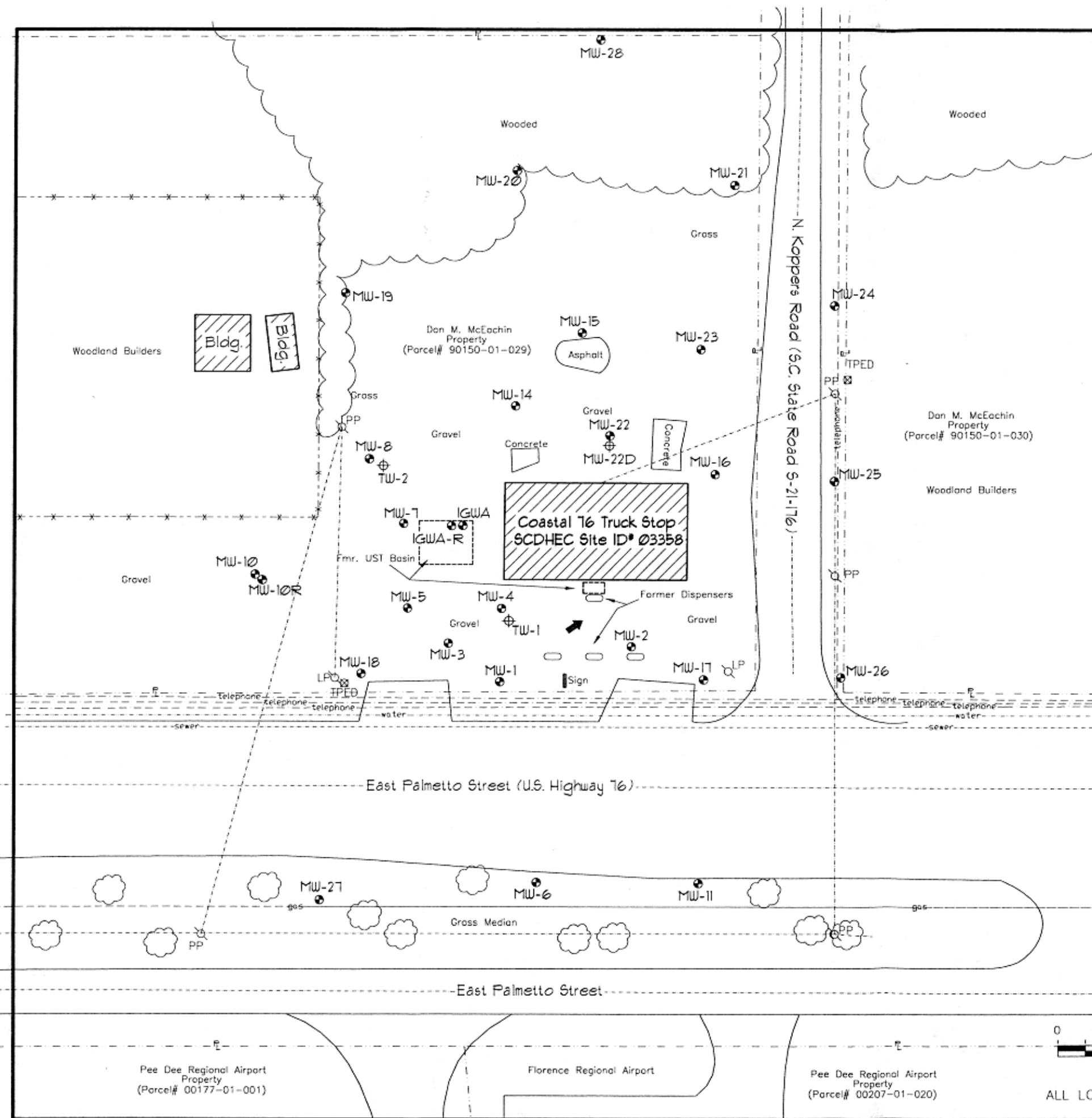
Midlands
Environmental
Consultants, Inc.

Site Location

Coastal 76 Truck Stop
2513 East Palmetto Street, Florence, SC
SCDHEC Site ID# 03538

Figure 1

MECI 12-3980



Explanation:

- Location of Watertable Bracketing Monitoring Well
- ⊕ Location of Double Cased "Deep" Monitoring Well
- ↑ Estimated Groundwater Flow Direction
- Estimated Location of Removed Underground Storage Tanks
- — — Property Line
- gas — Buried Gas Line
- water — Buried Water Line
- sewer — Buried Sewer
- telephone — Buried Telephone
- fence — Fence

Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

Site Base Map

Coastal Mart 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03358

Midlands Environmental Consultants, Inc.

JOB NO. 16-5531
DATE June 8, 2016
FIGURE

2

GRAPHIC SCALE
0 25 50 75 100
1IN = 50FT
ALL LOCATIONS ARE APPROXIMATE



DAN MCEACHIN
1007 WENTWORTH DR
FLORENCE SC 29501

MAR 10 2017



Re: **QAPP Contractor Addendum/SSWP Directive for GWS**
Coastal 76 Truck Stop, 2513 E Palmetto St, Florence, Sc
UST Permit # 03538
Release reported September 27, 1995
Monitoring Report received June 15, 2016.
Florence County

Dear Mr. McEachin:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed the referenced report submitted by Midlands Environmental Consultants, Inc. The report documents petroleum chemicals in the soil and groundwater above Risk-Based Screening Levels (RBSLs).

To determine what risk the referenced release may pose to human health and the environment, and in accordance with Section 280.65 of the South Carolina Underground Storage Tank Control Regulations, implementation of groundwater sampling is necessary. The groundwater sampling must be conducted in accordance with the most recent revision of the UST Quality Assurance Program Plan (QAPP) and in compliance with all applicable regulations. A copy of the UST QAPP is available at <http://www.scdhec.gov/Environment/LW/UST/ReleaseAssessmentClean-up/QualityAssurance/>.

Groundwater samples should be collected from all monitoring wells, water supply wells, and surface waters within 1,000 ft radius of the site and analyzed for BTEX + Naphth + MtBE, 1,2-DCA, 8 oxygenates, and EDB.

Your contractor must complete the Site-Specific QAPP Contractor addendum (QAPPA) or the Site-Specific Work Plan (SSWP) if your contractor has an approved Annual Contractor Quality Assurance Plan (ACQAP). The QAPPA or SSWP and Cost Proposal must be submitted within 30 days from the date of this letter. Every component may not be necessary to complete the above scope of work. The State Underground Petroleum Environmental Response Bank (SUPERB) Account allowable cost for each component is included on the Assessment Component Cost Agreement Form. **Please note that approval from DHEC must be issued before work begins.**

On all correspondence regarding this site, please reference UST Permit # 03538. Should you have any questions regarding this correspondence, please feel free to contact me at (803) 898-0592, fax me at (803) 898-0673, or e-mail me at patterkc@dhec.sc.gov.

Sincerely,



Kyle Patterson, Hydrogeologist
Assessment Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

cc: Midlands Environmental Consultants, Inc, PO Box 854, Lexington, Sc, 29071
Technical file



Healthy People. Healthy Communities.

DAN MCEACHIN
1007 WENTWORTH DR
FLORENCE SC 29501

MAR 24 2017



Re: **Groundwater Sampling Directive**
Coastal 76 Truck Stop, 2513 E Palmetto St, Florence, Sc
UST Permit # 03538; CA #54253
Release reported September 27, 1995
Site-Specific Work Plan and cost proposal received March 06, 2017
Florence County

Dear Mr. McEachin:

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 Midlands Environmental Consultants, Inc. All work should be conducted in accordance with the most recent revision of the UST Quality Assurance Program Plan (QAPP), 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 #54253 has been approved for the amount shown on the enclosed cost agreement form. Please note the following changes to the cost agreement and SSWP:

- Item 4 B1 – 1 Personnel mob has been added to the cost agreement.
- Item 10 A1 – 18 Groundwater Purge Sample collections have been added to the cost agreement.
- Item 10 D1 – 24 Groundwater No Purge or Duplicate have been removed from the cost agreement.
- Item 10 H1 – 1 Field Blank has been added to the cost agreement.
- Item 11 A2 – 7 Laboratory Analysis-Groundwater Samples have been removed from the cost agreement.
- Item 11 F1 – 6 Laboratory Analysis-Groundwater Samples have been removed from the cost agreement.

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.

Midlands Environmental Consultants, Inc., can submit an invoice for direct payment from the State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. By law, the SUPERB Account cannot compensate any costs that are not pre-approved. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

Please note that Sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that no costs will be allowed unless prior approval from the Division is obtained. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be pre-approved by the Division for the cost to be paid. The Division reserves the authority to pay only for work properly performed and/or technically justified and will only pay rates in accordance with established criteria. Further, the Division reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

Please note that applicable South Carolina certification requirements regarding laboratory services, well installation, and report preparation must be satisfied. Any site rehabilitation activity associated with the UST release must be performed by an DHEC-certified site rehabilitation contractor as required by R.61-98.

The Division grants pre-approval for transportation of virgin petroleum impacted soil and groundwater from the referenced site to a permitted treatment facility. There can be no spillage or leakage in transport. All investigation-derived waste (IDW) must be properly contained and labeled prior to disposal. IDW should not be stored on-site longer than ninety (90) days. A copy of the disposal manifest and/or acceptance letter from the receiving facility that clearly designates the quantity received must be included as an appendix to the report. If the Chemical of Concern (CoC) concentrations based on laboratory analysis is below Risk-Based Screening Levels (RBSLs), please contact the project manager for approval to dispose of soil and/or groundwater on-site. The SUPERB Account will not reimburse for transportation or treatment of soil and/or groundwater with concentrations below RBSLs.

On all correspondence regarding this site, please reference UST Permit #03538. Should you have any questions regarding this correspondence, please feel free to contact me at (803) 898-0592, fax me at (803) 898-0673, or e-mail me at patterkc@dhec.sc.gov.

Sincerely,



Kyle Patterson, Hydrogeologist
Assessment Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

enc: Approved Cost Agreement (ACA)

cc: Midlands Environmental Consultants, Inc, PO Box 854, Lexington, Sc, 29071 (w/enc.)
Technical file (with enc.)

Approved Cost Agreement**54253**

Facility: 03538 COASTAL 76 TRUCK STOP

PATTERKC

PO Number:

<u>Task / Description</u>	<u>Categories</u>	<u>Item Description</u>	<u>Qty / Pct</u>	<u>Unit Price</u>	<u>Amount</u>
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)	21.0000	\$60.000	1,260.00
		D1 GROUNDWATER NO PURGE/DUPLICATE	5.0000	\$28.000	140.00
		H1 FIELD BLANK	2.0000	\$24.600	49.20
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	200.0000	\$0.560	112.00
19 RPT/PROJECT MNGT & COORDINATIO		PRT REPORT PREPARATION	0.1200	\$7,951.000	954.12
Total Amount					8,905.12

Document Receipt Information

☒ Hard Copy

☒ CD

☐ Email

Date Received 6-23-17

Permit Number 03538

Project Manager Kyle Patterson

Name of Contractor MECS

UST Certification Number 32400

Docket Number _____

Scanned _____

GWS / chemical Analyses

REPORT OF GROUNDWATER SAMPLING AND CHEMICAL ANALYSES

Coastal 76 Truck Stop
2513 E. Palmetto Street
Florence, South Carolina
SCDHEC SITE ID 03538
CA # 54253

Prepared By:



231 Dooley Road, Lexington, SC 29073
(803) 808-2043 fax: 808-2048

April 25, 2017

MECI Project No. 17-5929



April 25, 2017

Mr. Kyle Patterson, Hydrogeologist
Assessment 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

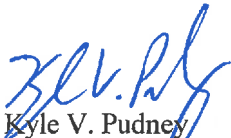
Subject: Report of Groundwater Sampling and Chemical Analyses
Coastal 76 Truck Stop
2513 E. Palmetto Street
Florence, South Carolina
SCDHEC Site ID# 03538, CA # 54253
MECI Project Number 17-5929
Certified Site Rehabilitation Contractor UCC-0009

Dear Mr. Patterson,

On behalf of Mr. Dan McEachin, Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Report of Groundwater Sampling and Chemical Analyses 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.


Kyle V. Pudney
Project Biologist


Bryan T. Shane, P.G.
Principal Geologist

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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: Coastal 76 Truck Stop UST Permit #: 03538
Facility Address: 2513 E. Palmetto Street
Name: Dan McEachin
Address: 1007 Wentworth Drive
Telephone #: Contact: Dan McEachin (803) 651-8835

B. Property Owner Information

Name: Dan McEachin
Tax Map #: Florence Co. Tax Map #: 90089-01-006
Address: 1007 Wentworth Drive
Telephone #: Contact: Dan McEachin (803) 651-8835

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 Kinsey Ave. Suite 100, Huntersville, NC 28078
Telephone #: (704) 875-9092

1.1 PROJECT INFORMATION

The subject site (Coastal 76 Truck Stop) is located at 2513 East Palmetto Street, Florence, Florence County, South Carolina. The subject site formally maintained four underground storage tanks (UST's), including 1-2,000 gallon gasoline UST, 1-3,000 gallon gasoline UST, 1-1,000 gallon gasoline UST, and 1-2,000 gallon diesel UST. These UST's were abandoned by removal from ground in August of 1995. The South Carolina Department of Health and Environmental Control reported a release of petroleum product for the subject UST's in September of 1995 and confirmed this release in August of 1997. The subject site is currently rated a Class 3BA.

Prior to commencement of the field activities described in this document, a Site Specific Work Plan (SSWP) was 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 subject site is located inside the city limits of Florence, Florence County, South Carolina. South East Palmetto Street (US Highway 76) forms the southern border of the site, beyond which is the Florence County Regional Airport. North Koppers Road (SC State Rd. S-21-176) forms the eastern border of the site, beyond which are commercial properties. Commercial properties border the site to the west. North of the site is wooded and undeveloped.

3.0 AREA GEOLOGY AND HYDROGEOLOGY

The project site is located in the Atlantic Coastal Plain Physiographic Province. The mean elevation of the property as depicted on the local USGS quadrangle (Florence East) appears to be approximately 45 meters 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.

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 south towards drainage features associated with Canal Branch.

3.1 LOCAL SUBSURFACE CONDITIONS

Coastal plain sediments were encountered during previous drilling activities conducted at the site. The soils encountered in our borings generally consisted of silty and clayey fine to medium grained sands.

On April 4, 2017, stabilized groundwater levels were measured in the monitoring wells. Depth to groundwater ranged from 6.34 to 10.26 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:

- comprehensive sampling of the entire monitoring well network; and
- chemical analyses of groundwater samples.

4.1 MONITORING WELL SAMPLING AND CHEMICAL ANALYSES

On April 4, 2017, MECI personnel collected groundwater samples from twenty-six (26) monitoring wells at the subject site. During sampling activities, monitoring well MW-7 was unable to be sampled because of an immovable dumpster filled with scrap wood. Monitoring wells MW-9, MW-10, MW-10R, MW-20, and MW-28 have historically not been located and were not located during the sampling event. As directed by SCDHEC, only monitoring wells with depth to water outside of the screened interval were to be purged prior to sample collection. During sampling activities, eleven (11) monitoring wells were purged prior to sample collection.

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. Purging was completed by bailing at least five well volumes of water from the well, until pH, conductivity, dissolved oxygen and turbidity 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 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 most recent revision of the Quality Assurance Program Plan for the Underground Storage Tank Management Division and MECI's most recent revision of Standard Operating Procedures.

Groundwater samples obtained were sent to Pace Analytical Services, LLC 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	Low-Flow Sampling	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													
IGWA		X					X	X	X	X			
IGWA R	X						X	X	X	X			
MW-1		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-5		X					X	X	X	X			
MW-6		X					X	X	X	X			
MW-7						X							
MW-8	X						X	X	X	X			
MW-9						X							
MW-10						X							
MW-10R						X							
MW-11		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-17	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					X	X	X	X			
MW-22		X					X	X	X	X			
MW-22D	X						X	X	X	X			
MW-23		X					X	X	X	X			
MW-24		X					X	X	X	X			
MW-25		X					X	X	X	X			
MW-26		X					X	X	X	X			
MW-27		X					X	X	X	X			
MW-28						X							
TW-1	X						X	X	X	X			
TW-2	X						X	X	X	X			
DUP-1		X					X	X	X	X			
DUP-2		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 Dichloroethane
EDB = Ethylene Dibromide

The results of the laboratory analyses are summarized in Table 3 & 3A 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 143.0 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 4.1, groundwater samples obtained from the monitoring well network were analyzed for dissolved phase petroleum constituents. During sampling activities, monitoring well MW-7 was unable to be sampled because of an immovable dumpster filled with scrap wood. Monitoring wells MW-9, MW-10, MW-10R, MW-20, and MW-28 have historically not been located and were not located during the sampling event. The analytical results indicate petroleum impact to the surficial aquifer ("Shallow" Zone), with the highest dissolved concentrations being detected in the area of MW-1. Of the twenty-six monitoring wells sampled, eight monitoring wells (IGWA, IGWA-R, MW-1, MW-2, MW-3, MW-4, MW-5, and MW-17) detected petroleum constituents above Risked Based Screening Levels (RBSL's). Petroleum constituents detected above the established RBSL include:

<i>Compound</i>	<i>RBSL/SCAL (ug/l)</i>	<i>Wells Above RBSL</i>
Benzene	5	IGWA, IGWA-R, MW-1, MW-2, MW-3, MW-4, MW-5 & MW-17
Toluene	1,000	IGWA, IGWA-R, MW-1 & MW-4
Ethylbenzene	700	IGWA, IGWA-R, MW-1, MW-3, MW-4 & MW-5
Total Xylenes	10,000	MW-1 & MW-3
Naphthalene	25	IGWA, IGWA-R, MW-1, MW-3, MW-4 & MW-5
MTBE	40	None
1,2 DCA	5	None
EDB	0.05	IGWA, IGWA-R, MW-1, MW-2, MW-3, MW-4 & MW-17
Lead	15	Not Analyzed
TAA	240	MW-2 & MW-4
TAME	128	None
3,3-Dimethyl-1-butanol	NE	RBSL Not Established
TBA	1,400	None
TBF	NE	RBSL Not Established
DIPE	150	None
Ethanol	10,000	None
ETBE	47	None

The results of the analyses for each monitoring well and specific parameters are listed on Table 3, Table 3A, and provided in Appendix B.

6.0 ASSESSMENT SUMMARY & RECOMMENDATIONS

Based on the results of our assessment 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 are located in the area south of the former UST's. Groundwater appears to be moving in a southerly direction towards drainage features associated with the Canal Branch.

During sampling activities, monitoring well MW-7 was unable to be sampled because of an immovable dumpster filled with scrap wood. Monitoring wells MW-9, MW-10, MW-10R, MW-20, and MW-28 have historically not been located and were not located during the sampling event. The analytical results indicate petroleum impact to the surficial aquifer ("Shallow" Zone), with the highest dissolved concentrations being detected in the area of MW-1. Of the twenty-six monitoring wells sampled, eight monitoring wells (IGWA, IGWA-R, MW-1, MW-2, MW-3, MW-4, MW-5, and MW-17) detected petroleum constituents above Risked Based Screening Levels (RBSL's). Petroleum constituents detected above the established RBSL include:

<i>Compound</i>	<i>RBSL/SCAL (ug/l)</i>	<i>Wells Above RBSL</i>
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Toluene	1,000	IGWA, IGWA-R, MW-1 & MW-4
Ethylbenzene	700	IGWA, IGWA-R, MW-1, MW-3, MW-4 & MW-5
Total Xylenes	10,000	MW-1 & MW-3
Naphthalene	25	IGWA, IGWA-R, MW-1, MW-3, MW-4 & MW-5
MTBE	40	None
1,2 DCA	5	None
EDB	0.05	IGWA, IGWA-R, MW-1, MW-2, MW-3, MW-4 & MW-17
Lead	15	Not Analyzed
TAA	240	MW-2 & MW-4
TAME	128	None
3,3-Dimethyl-1-butanol	NE	RBSL Not Established
TBA	1,400	None
TBF	NE	RBSL Not Established
DIPE	150	None
Ethanol	10,000	None
ETBE	47	None

The results of the analyses for each monitoring well and specific parameters are listed on Table 3, Table 3A, 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.

Currently, the contaminant plume appears to be defined in relation to risk based screening levels (RBSL's). Since the June 1, 2016 groundwater sampling event, slight decreases of CoC's in monitoring wells MW-2 and MW-17 have occurred. With the exception of slight increases observed in monitoring well MW-2 and MW-17, CoC concentrations from the remainder of the monitoring wells have generally remained constant. Overall, the contaminant plume appears to be stable and

migration does not appear to have taken place. MECI recommends installing several groundwater recovery wells in the vicinity of monitoring wells which exhibit elevated CoC concentrations. Following the proposed recovery well installation, a series of extended Aggressive Fluid Vapor Recovery (AFVR) events should be conducted at the subject site reduce dissolved CoC concentrations. Following the proposed AFVR events, additional groundwater sampling events should be conducted to continue to monitor the contaminant plume until Site Specific Target Levels (SSTL's) have been achieved.

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 Mr. Dan McEachin, 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.

-oOo-

TABLES

TABLE 2
PAGE 1 OF 3
POTENTIOMETRIC DATA
APRIL 4, 2017 SAMPLING EVENT
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 17-5929
SCDHEC SITE ID NUMBER 03538

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
IGWA	9/29/1999	TD: 16.74	NA	NA	0.21	145.19	NA
	2/20/2012	-	-	DRY	-	145.19	DRY
	6/26/2012	-	-	NM	-	145.19	NM
	12/3/2012	-	-	11.98	-	145.19	133.21
	12/13/2014	-	-	12.15	-	145.19	133.04
	8/31/2015	-	-	13.78	-	145.19	131.41
	6/1/2016	-	-	4.61	-	145.19	140.58
	4/4/2017	-	-	8.48	-	145.19	136.71
IGWA-R	9/29/1999	11-21	-	14.10	-	145.14	131.04
	2/20/2012	-	-	NM	-	145.14	NM
	6/26/2012	-	-	14.10	-	145.14	131.04
	12/3/2012	-	-	11.93	-	145.14	133.21
	12/13/2014	-	-	12.10	-	145.14	133.04
	8/31/2015	-	-	NM	-	145.14	NM
	6/1/2016	-	-	4.49	-	145.14	140.65
	4/4/2017	-	-	8.52	-	145.14	136.62
MW-1	9/29/1999	TD: 17.80	-	13.31	-	145.87	132.56
	2/20/2012	-	-	DRY	-	145.87	DRY
	6/26/2012*	-	14.69	14.71	0.02	145.87	131.18
	12/2/2012	-	-	12.54	-	145.87	133.33
	12/13/2014	-	-	12.75	-	145.87	133.12
	8/31/2015	-	-	12.31	-	145.87	133.56
	6/1/2016	-	-	5.16	-	145.87	140.71
	4/4/2017	-	-	9.24	-	145.87	136.63
MW-2	9/29/1999	TD: 18.30	-	13.63	-	145.19	131.56
	2/20/2012	-	-	DRY	-	145.19	DRY
	6/26/2012	-	-	14.04	-	145.19	131.15
	12/2/2012	-	-	12.34	-	145.19	132.85
	12/13/2012	-	-	12.36	-	145.19	132.83
	8/31/2015	-	-	12.17	-	145.19	133.02
	6/1/2016	-	-	4.57	-	145.19	140.62
	4/4/2017	-	-	7.95	-	145.19	137.24
MW-3	9/29/1999	TD:18.20	-	13.13	-	145.51	132.38
	2/20/2012*	-	17.80	18.20	0.40	145.51	127.65
	6/26/2012*	-	14.18	14.19	0.01	145.51	131.33
	12/2/2012	-	-	12.67	-	145.51	132.84
	12/13/2014	-	-	12.39	-	145.51	133.12
	8/31/2015	-	-	12.06	-	145.51	133.45
	6/1/2016	-	-	4.68	-	145.51	140.83
	4/4/2017	-	-	8.73	-	145.51	136.78
MW-4	9/29/1999	TD:18.35	-	12.91	-	145.56	132.65
	2/20/2012*	-	17.56	17.58	0.02	145.56	128.00
	6/26/2012	-	-	14.35	-	145.56	131.21
	12/2/2013	-	-	12.26	-	145.56	133.30
	12/13/2012	-	-	12.43	-	145.56	133.13
	8/31/2015	-	-	12.24	-	145.56	133.32
	6/1/2016	-	-	NL	-	145.56	NL
	4/4/2017	-	-	8.86	-	145.56	136.70
MW-5	9/29/1999	8.29-18.29	-	12.54	-	145.11	NA
	2/20/2012	-	-	17.05	-	145.11	128.06
	6/26/2012	-	-	13.90	-	145.11	131.21
	12/3/2014	-	-	NL	-	145.11	NL
	12/13/2014	-	-	NL	-	145.11	NL
	8/31/2015	-	-	NL	-	145.11	NL
	6/1/2016	-	-	4.35	-	145.11	140.76
	4/4/2017	-	-	8.45	-	145.11	136.66
MW-6	9/29/1999	8.29-18.29	-	13.04	-	146.04	133.00
	2/20/2012	-	-	DRY	-	146.04	DRY
	6/26/2012	-	-	14.65	-	146.04	131.39
	12/2/2013	-	-	12.67	-	146.04	133.37
	12/13/2012	-	-	12.91	-	146.04	133.13
	8/31/2015	-	-	12.54	-	146.04	133.50
	6/1/2016	-	-	5.13	-	146.04	140.91
	4/4/2017	-	-	9.60	-	146.04	136.44
MW-7	9/29/1999	8.38-18.68	-	NA	-	144.61	NA
	2/20/2012	-	-	16.54	-	144.61	128.07
	6/26/2012	-	-	13.45	-	144.61	131.16
	12/3/2012	-	-	11.20	-	144.61	133.41
	12/13/2014	-	-	11.47	-	144.61	133.14
	8/31/2015	-	-	11.15	-	144.61	133.46
	6/1/2016	-	-	3.97	-	144.61	140.64
	4/4/2017	-	-	NL	-	144.61	NL

Notes:

1. Well Head elevations obtained from SCDHEC Files.

2. Groundwater depths were measured from the top of the PVC riser pipe.

3. Groundwater elavtions corrected for the presence of free product using a specific gravity of 0.85.

4. NL = Not Located

5. NA = Information not available

6. DRY = Well Gauged DRY

TABLE 2
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POTENTIOMETRIC DATA
APRIL 4, 2017 SAMPLING EVENT
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 17-5929
SCDHEC SITE ID NUMBER 03538

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-8	9/29/1999	1.29-18.29	-	11.54	-	143.78	132.24
	2/20/2012	-	-	15.59	-	143.78	128.19
	6/26/2012	-	-	12.62	-	143.78	131.16
	12/3/2012	-	-	10.43	-	143.78	133.35
	12/13/2014	-	-	10.61	-	143.78	133.17
	8/31/2015	-	-	10.32	-	143.78	133.46
	6/1/2016	-	-	3.08	-	143.78	140.70
	4/4/2017	-	-	6.93	-	143.78	136.85
MW-9	9/29/1999	8.33-18.33	-	12.08	-	NA	NA
	2/20/2012	-	-	NL	-	NL	NL
	6/26/2012	-	-	NL	-	NL	NL
	12/3/2012	-	-	NL	-	NL	NL
	12/13/2014	-	-	NL	-	NL	NL
	8/31/2015	-	-	NL	-	NL	NL
	6/1/2016	-	-	NL	-	NL	NL
	4/4/2017	-	-	NL	-	NL	NL
MW-10	9/29/1999	TD: 18.25	-	NA	-	143.84	NA
	2/20/2012	-	-	15.65	-	143.84	128.19
	6/26/2012	-	-	12.41	-	143.84	131.43
	12/3/2012	-	-	NL	-	143.84	NL
	12/13/2014	-	-	NL	-	143.84	NL
	8/31/2015	-	-	NL	-	143.84	NL
	6/1/2016	-	-	NL	-	143.84	NL
	4/4/2017	-	-	NL	-	143.84	NL
MW-10R	12/3/2014	TD:11.61	-	10.50	-	143.81	133.31
	12/13/2014	-	-	10.62	-	143.81	133.19
	8/31/2015	-	-	10.29	-	143.81	133.52
	6/1/2016	-	-	NL	-	143.81	NL
	4/4/2017	-	-	NL	-	143.81	NL
MW-11	9/29/1999	8.42-18.42	-	12.75	-	145.68	132.93
	2/20/2012	-	-	17.85	-	145.68	127.83
	6/26/2012	-	-	14.39	-	145.68	131.29
	12/3/2014	-	-	12.64	-	145.68	133.04
	12/13/2014	-	-	12.70	-	145.68	132.98
	8/31/2015	-	-	13.69	-	145.68	131.99
	6/1/2016	-	-	5.36	-	145.68	140.32
	4/4/2017	-	-	9.38	-	145.68	136.30
MW-14	9/29/1999	8.29-18.29	-	11.87	-	144.36	132.49
	2/20/2012	-	-	16.35	-	144.36	128.01
	6/26/2012	-	-	NL	-	144.36	NL
	12/3/2012	-	-	NL	-	144.36	NL
	12/13/2014	-	-	11.39	-	144.36	132.97
	8/31/2015	-	-	13.11	-	144.36	131.25
	6/1/2016	-	-	3.43	-	144.36	140.93
	4/4/2017	-	-	7.25	-	144.36	137.11
MW-15	6/26/2012	10-20	-	12.78	-	143.54	130.76
	12/3/2014	-	-	10.46	-	143.54	133.08
	12/13/2014	-	-	10.62	-	143.54	132.92
	8/31/2015	-	-	12.32	-	143.54	131.22
	6/1/2016	-	-	3.00	-	143.54	140.54
	4/4/2017	-	-	8.06	-	143.54	135.48
MW-16	6/26/2012	11-21	-	13.43	-	144.33	130.90
	12/3/2014	-	-	11.18	-	144.33	133.15
	12/13/2014	-	-	11.42	-	144.33	132.91
	8/31/2015	-	-	14.48	-	144.33	129.85
	6/1/2016	-	-	NL	-	144.33	NL
	4/4/2017	-	-	7.51	-	144.33	136.82
MW-17	6/26/2012	11-21	-	13.96	-	145.08	131.12
	12/3/2014	-	-	11.92	-	145.08	133.16
	12/13/2014	-	-	12.10	-	145.08	132.98
	8/31/2015	-	-	11.72	-	145.08	133.36
	6/1/2016	-	-	4.54	-	145.08	140.54
	4/4/2017	-	-	8.46	-	145.08	136.62
MW-18	6/26/2012	11-21	-	14.44	-	145.79	131.35
	12/3/2014	-	-	12.42	-	145.79	133.37
	12/13/2014	-	-	12.60	-	145.79	133.19
	8/31/2015	-	-	12.28	-	145.79	133.51
	6/1/2016	-	-	4.93	-	145.79	140.86
	4/4/2017	-	-	9.11	-	145.79	136.68
MW-19	12/3/2014	2.12-12.12	-	9.79	-	143.67	133.88
	12/13/2014	-	-	10.66	-	143.67	133.01
	8/31/2015	-	-	10.74	-	143.67	132.93
	6/1/2016	-	-	3.13	-	143.67	140.54
	4/4/2017	-	-	6.68	-	143.67	136.99
MW-20	12/3/2014	4.50-14.50	-	10.97	-	143.93	132.96
	12/13/2014	-	-	11.17	-	143.93	132.76
	8/31/2015	-	-	11.80	-	143.93	132.13
	6/1/2016	-	-	NL	-	143.93	NL
	4/4/2017	-	-	NL	-	143.93	NL

Notes:

1. Well Head elevations obtained from SCDHEC Files.

2. Groundwater depths were measured from the top of the PVC riser pipe.

3. Groundwater elevations corrected for the presence of free product using a specific gravity of 0.85.

4. NL = Not Located

5. NA = Information not available

6. DRY = Well Gauged DRY

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POTENTIOMETRIC DATA
APRIL 4, 2017 SAMPLING EVENT
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 17-5929
SCDHEC SITE ID NUMBER 03538

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-21	12/3/2014	2.75-12.75	-	10.38	-	143.25	132.87
	12/13/2014	-	-	10.60	-	143.25	132.65
	8/31/2015	-	-	10.91	-	143.25	132.34
	6/1/2016	-	-	2.63	-	143.25	140.62
	4/4/2017	-	-	6.34	-	143.25	136.91
MW-22	12/3/2014	5.09-15.09	-	9.92	-	145.03	135.11
	12/13/2014	-	-	12.16	-	145.03	132.87
	8/31/2015	-	-	11.53	-	145.03	133.50
	6/1/2016	-	-	4.31	-	145.03	140.72
	4/4/2017	-	-	7.54	-	145.03	137.49
MW-22D	12/3/2014	39.23-44.23	-	13.83	-	144.89	131.06
	12/13/2014	-	-	13.82	-	144.89	131.07
	8/31/2015	-	-	13.78	-	144.89	131.11
	6/1/2016	-	-	6.32	-	144.89	138.57
	4/4/2017	-	-	10.26	-	144.89	134.63
MW-23	12/3/2014	1.61-11.61	-	11.90	-	143.63	131.73
	12/13/2014	-	-	10.77	-	143.63	132.86
	8/31/2015	-	-	15.00	-	143.63	128.63
	6/1/2016	-	-	3.22	-	143.63	140.41
	4/4/2017	-	-	6.79	-	143.63	136.84
MW-24	12/3/2014	8.42-18.42	-	10.81	-	143.78	132.97
	12/13/2014	-	-	11.03	-	143.78	132.75
	8/31/2015	-	-	DRY	-	143.78	DRY
	6/1/2016	-	-	3.30	-	143.78	140.48
	4/4/2017	-	-	6.60	-	143.78	137.18
MW-25	12/3/2014	8.29-18.29	-	10.66	-	144.04	133.38
	12/13/2014	-	-	11.08	-	144.04	132.96
	8/31/2015	-	-	DRY	-	144.04	DRY
	6/1/2016	-	-	3.40	-	144.04	140.64
	4/4/2017	-	-	7.32	-	144.04	136.72
MW-26	12/3/2014	10-20	-	11.84	-	144.96	133.12
	12/13/2014	-	-	12.09	-	144.96	132.87
	8/31/2015	-	-	14.27	-	144.96	130.69
	6/1/2016	-	-	4.51	-	144.96	140.45
	4/4/2017	-	-	8.34	-	144.96	136.62
MW-27	12/3/2014	11-21	-	11.37	-	144.77	133.40
	12/13/2014	-	-	11.50	-	144.77	133.27
	8/31/2015	-	-	14.31	-	144.77	130.46
	6/1/2016	-	-	3.96	-	144.77	140.81
	4/4/2017	-	-	8.32	-	144.77	136.45
MW-28	12/3/2014	11-21	-	9.97	-	142.71	132.74
	12/13/2014	-	-	10.10	-	142.71	132.61
	8/31/2015	-	-	10.59	-	142.71	132.12
	6/1/2016	-	-	NL	-	142.71	NL
	4/4/2017	-	-	NL	-	142.71	NL
TW-1	9/29/1999	31-36	-	12.79	-	145.77	132.98
	2/20/2012	-	-	17.75	-	145.77	128.02
	6/26/2012	-	-	14.65	-	145.77	131.12
	12/3/2014	-	-	NL	-	145.77	NL
	12/13/2014	-	-	12.69	-	145.77	133.08
	8/31/2015	-	-	12.26	-	145.77	133.51
	6/1/2016	-	-	NL	-	145.77	NL
	4/4/2017	-	-	9.24	-	145.77	136.53
TW-2	6/26/2012	31-36	-	13.95	-	143.98	130.03
	12/3/2014	-	-	10.79	-	143.98	133.19
	12/13/2014	-	-	11.93	-	143.98	132.05
	8/31/2015	-	-	11.63	-	143.98	132.35
	6/1/2016	-	-	3.35	-	143.98	140.63
	4/4/2017	-	-	7.21	-	143.98	136.77

Notes:

1. Well Head elevations obtained from SCDHEC Files.

2. Groundwater depths were measured from the top of the PVC riser pipe.

3. Groundwater elavtions corrected for the presence of free product using a specific gravity of 0.85.

4. NL = Not Located

5. NA = Information not available

6. DRY = Well Gauged DRY

TABLE 3
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GROUNDWATER COC CONCENTRATION DATA
APRIL 4, 2017 SAMPLING EVENT
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 17-5929
SCDHEC ID NUMBER 03538

Well Number	Sample Date	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)	Total Lead (ug/l)
IGWA	9/29/99	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD
	2/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/26/12	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/3/14	1,300	6,000	630	11,000	310.0	<40	<15	2.0	65
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	1,730	7,710	933	11,500	566	<100	<100	0.26	NT
	6/1/16	976	6,630	646	8,210	197J	<200	<200	0.28	NT
	4/4/17	533	4,630	895	9,090	358	<125	<125	0.51	NT
IGWA-R	6/26/12	130	790	180	980	160	<25	<25	0.71	9.0J
	12/3/14	2,000	9,400	1,800	7,000	530	<40		3.2	51
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/1/16	405	3,450	1,590	5,790	426	<125	<125	0.39	NT
	4/4/17	906	6,540	2,260	8,480	623	<250	<250	0.93	NT
MW-1	9/29/99	19,900	26,000	2,040	12,080	592	7,400	NT	111	609
	2/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/26/12	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD
	12/3/14	17,000	27,000	1,500	15,000	820	250J	<74	210	630
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	4,300	7,020	976	5,230	332	288	21.6J	6.2	NT
	6/1/16	14,100	18,100	1,240	18,100	1,130	<1,000	<1,000	10.2	NT
	4/4/17	13,900	25,400	1,070	15,700	1,000	<1,000	<1,000	20.2	NT
MW-2	9/29/99	18,500	28,300	3,360	15,270	670	19,500	NT	ND	403
	2/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/26/12	9,800	17,000	1,300	11,000	370	1,100	240J	65	390
	12/3/14	4,800	8,200	940	4,500	260	250	<15	28	150
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	4,760	7,890	996	5,870	355	317	21.9	8.4	NT
	6/1/16	2,870	3,760	364	2,500	139	281	<125	10.9	NT
	4/4/17	270	21.3	39.9	49.0	23.6	36.6	<10.0	0.13	NT
MW-3	9/29/99	6,800	16,900	2,380	14,020	570	31.5	NT	81.1	116
	2/20/12	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD
	6/26/12	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD
	12/3/14	2,000	10,000	1,600	11,000	780	<40	<15	3.2	100
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	4,220	7,460	972	5,810	375	312	19.9J	6.6	NT
	6/1/16	1,620	11,200	2,020	13,000	996	<500	<500	0.91	NT
	4/4/17	1,580	10,900	1,810	12,000	810	<500	<500	0.97	NT
MW-4	9/29/99	19,300	34,300	4,630	21,500	800	4,530	NT	ND	113
	2/20/12	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD
	6/26/12	8,500	22,000	21,000	17,000	1,100	<500	<500	14	440
	12/3/14	3,600	9,100	810	10,000	710	<80	<29	2.20	110
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	4,390	7,900	953	5,940	366	301	19.6J	6.9	NT
	6/1/16	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/4/17	2,210	3,800	703	5,130	363	<125	<125	1.6	NT
MW-5	9/29/99	1,590	7,410	1,850	10,320	560	13.1	NT	11.9	43
	2/20/12	640	5,100	990	5,800	210	<5.0	12	0.45	670
	6/26/12	810	7,400	1,500	10,000	770	<200	<200	0.86	31
	12/3/14	NL	NL	NL	NL	NL	NL	NL	NL	NL
	12/13/14	NL	NL	NL	NL	NL	NL	NL	NL	NL
	8/31/15	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/1/16	20.4	88.8	93	147	47.2	<5.0	<5.0	<0.019	NT
	4/4/17	101	424	1,020	2,940	427	<50.0	<50.0	<0.020	NT
MW-6	9/29/99	ND	5	5.72	25.93	7.8	ND	NT	ND	23
	2/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/26/12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	9.7J
	12/3/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	2.3J
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT
	6/1/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT
	4/4/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT
MW-7	9/29/99	ND	5,440	1,750	7,350	530	979	NT	ND	25
	2/20/12	180	870	740	2,500	210	<5.0	4.1J	<0.020	280
	6/26/12	390	3,000	1,700	7,500	600	<200	<200	<0.063	25
	12/3/14	210	740	1,300.0	3,700	270	<20	<7.4	<0.020	8.1J
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	180	475	1,090	2,320	283	<25.0	<25.0	<0.019	NT
	6/1/16	<5.0	<5.0	<5.0	<5.0	2.1J	<5.0	<5.0	<0.020	NT
	4/4/17	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-8	9/29/99	ND	65.1	1,110	5,690	410	ND	NT	ND	16
	2/20/12	<0.20	<1.7	<1.7	3.4J	4.1J	<0.40	<0.30	<0.019	140
	6/26/12	<5.0	<5.0	6.9	29	20	<5.0	<5.0	<0.21	20
	12/3/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.20	31
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT
	6/1/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT
	4/4/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT

Notes:

1. BDL = Below Practical Quantitative Limits

2. ug/l = micrograms per liter

3. MTBE = Methyl-Tertiary-Butyl Ether

4. 1,2 DCA = 1,2-Dichloroethane

5. EDB = 1,2 - Dibromoethane

6. NL = Not Located

7. NT = Not Tested

8. PROD = Free Phase Petroleum Product

9. "J" values report concentrations above the method detection limits (MDL) and below actual reporting limit (RL).

TABLE 3
PAGE 2 OF 3
GROUNDWATER COC CONCENTRATION DATA
APRIL 4, 2017 SAMPLING EVENT
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 17-5929
SCDHEC ID NUMBER 03538

Well Number	Sample Date	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)	Total Lead (ug/l)
MW-9	9/29/99	ND	ND	ND	1.46	ND	ND	NT	ND	12
	2/20/12	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/26/12	NL	NL	NL	NL	NL	NL	NL	NL	NL
	12/3/14	NL	NL	NL	NL	NL	NL	NL	NL	NL
	12/13/14	NL	NL	NL	NL	NL	NL	NL	NL	NL
	8/31/15	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/1/16	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/4/17	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-10	9/29/99	ND	4.09	2.63	7.43	ND	14.15	NT	ND	13
	2/20/12	<0.20	<1.7	<1.7	<1.7	<1.7	<0.40	<0.30	<0.023	2.9
	6/26/12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	11
	12/3/14	NL	NL	NL	NL	NL	NL	NL	NL	NL
	12/13/14	NL	NL	NL	NL	NL	NL	NL	NL	NL
	8/31/15	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/1/16	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/4/17	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-10R	12/3/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.20	28
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019	NT
	6/1/16	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/4/17	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-11	9/29/99	10.1	1.63	19.90	11.18	15.2	ND	NT	ND	120
	2/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/26/12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT
	12/3/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.20	NT
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	NT
	6/1/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	NT
	4/4/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT
MW-14	9/29/99	591	1,350	640	2,123	8.4	8.68	NT	ND	16
	2/20/12	530	3,100	1,500	4,400	260	<0.40	10	0.21	5.2
	6/26/12	13	16	73	49	46	<5.0	<5.0	<0.019	3.0J
	12/3/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/12/14	2.8	2.0	5.3	4.9	<5.0	<5.0	<5.0	<0.019	NT
	8/31/15	3.4J	<5.0	10.9	<10.0	8.4	<5.0	<5.0	<0.019	NT
	6/1/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT
	4/4/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT
MW-15	6/26/12	92	280	140	380	1.3	<25	<5.0	0.05	8.6J
	12/3/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	<1.9
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT
	6/1/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.20	NT
	4/4/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT
MW-16	6/26/12	180	580	83	380	39	5.4J	<25	0.59	16
	12/3/14	1.3	0.62J	<0.33	0.68J	<0.40	1.1	<0.15	0.031	<1.9
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	759	138	286	211	70.1	10.5	1.8J	<0.020	NT
	6/1/16	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/4/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT
MW-17	6/26/12	880	1,500	1,500	5,700	980	20J	<100	2.8	35
	12/3/14	230	600	1,000	5,000	340	<20	<7.4	0.7	31
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	5,020	8,730	1,200	6,430	391	331	20.5J	9.5	NT
	6/1/16	2,680	5,400	1,780	5,890	506	<200	<200	4.7	NT
	4/4/17	91.4	11.9	17.3	131	22.8	<5.0	<5.0	0.11	NT
MW-18	6/26/12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	11
	12/3/14	<0.13	<0.33	0.40J	80	21	<0.40	<0.15	<0.019	<1.9
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	2,720	14,500	2,050	14,700	2,450	<1,000	<1,000	4.3	NT
	6/1/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT
	4/4/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT
MW-19	12/3/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	<1.9
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT
	6/1/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT
	4/4/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT
MW-20	12/3/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	<1.9
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT
	6/1/16	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/4/17	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-21	12/3/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	6.9J
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT
	6/1/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT
	4/4/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT

Notes:

1. BDL = Below Practical Quantitative Limits

2. ug/l = micrograms per liter

3. MTBE = Methyl-Tertiary-Butyl Ether

4. 1,2 DCA = 1,2-Dichloroethane

5. EDB = 1,2 - Dibromoethane

6. NL = Not Located

7. NT = Not Tested

8. PROD = Free Phase Petroleum Product

9. "J" values report concentrations above the method detection limits (MDL) and below actual reporting limit (RL).

[illegible]

Well Number	Sample Date	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)	Total Lead (ug/l)
MW-22	12/3/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	2J
	12/13/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	NT
	8/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT
	6/1/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT
	4/4/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT
MW-22D	12/3/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	3.4J
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT
	6/1/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT
	4/4/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT
MW-23	12/3/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	43
	12/13/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	NT
	8/31/15	<5.0	16.4	<5.0	<5.0	4.2J	<5.0	<5.0	<0.023	NT
	6/1/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT
	4/4/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT
MW-24	12/3/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	2J
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/1/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT
	4/4/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT
MW-25	12/3/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	3.1J
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/1/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT
	4/4/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.021	NT
MW-26	12/3/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	3.3J
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<5.0	<5.0	<5.0	<10.0	4.0J	<5.0	<5.0	<0.020	NT
	6/1/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT
	4/4/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT
MW-27	12/3/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.019	<1.9
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT
	6/1/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT
	4/4/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT
MW-28	12/3/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	3.3J
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<5.0	<5.0	<5.0	<10.0	4.2J	<5.0	<5.0	<0.020	NT
	6/1/16	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/4/17	NL	NL	NL	NL	NL	NL	NL	NL	NL
TW-1	9/29/99	89.6	289	91.5	377	5	15	NT	ND	7
	2/20/12	<0.20	<1.7	<1.7	<1.7	2.6J	<0.40	<0.30	<0.019	13
	6/26/12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	3.4J
	12/3/14	NL	NL	NL	NL	NL	NL	NL	NL	NL
	12/13/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	<1.9
	8/31/15	564	4,820	1,430	7,990	525	<100	<100	0.13	NT
	6/1/16	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/4/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT
TW-2	6/26/12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	11
	12/3/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	<1.9
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT
	6/1/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT
	4/4/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT
MW-3 Dup.	12/2/14	2,000	11,000	1,700	10,000	750	<40	<15	3.2	100
MW-4 Dup.	12/3/14	4,000	9,600	820	9,500	640	<40	<15	2.0	130
IGWA Dup.	8/31/15	1,670	7,540	792	10,200	588	<100	<100	0.81	NT
MW-7 Dup.	8/31/15	1,970	7,550	877	12,000	478	<25.0	<25.0	0.86	NT
DUP. 1(IGWA)	6/1/16	1,150	7,730	724	8,970	193J	<250	<250	0.27	NT
DUP-2. (IGWA-R)	6/1/16	434	3,670	1,710	6,300	471	<125	<125	0.50	NT
DUP. 1(IGWA)	4/4/17	528	4,590	901	9,120	350	<125	<125	0.49	NT
DUP-2. (IGWA-R)	4/4/17	898	7,100	2,100	6,690	658	<250	<250	0.70	NT
Field Blank	12/2/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	<1.9
	12/3/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	<1.9
	12/12/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	NT
	8/31/15	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019	NT
	6/1/16	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT
	4/4/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT
Trip Blank	12/3/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	NT	NT
	12/3/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	NT	NT
	12/3/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	NT	NT
	12/12/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	NT	NT
	8/31/15	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	NT	NT
	6/1/16	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	NT	NT
	4/4/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	NT	NT

Notes:	1. BDL = Below Practical Quantitative Limits 2. ug/l = micrograms per liter 3. MTBE = Methyl-Tertiary-Butyl Ether 4. 1,2 DCA = 1,2-Dichloroethane 5. EDB = 1,2 - Dibromoethane 6. NL = Not Located 7. NT = Not Tested 8. PROD = Free Phase Petroleum Product 9. "J" values report concentrations above the method detection limits (MDL) and below actual reporting limit (RL).
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TABLE 3A
PAGE 1 OF 3
GROUNDWATER COC CONCENTRATION DATA (OXYGENATES)
APRIL 4, 2017 SAMPLING EVENT
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 17-5929
SCDHEC SITE ID NUMBER 03538

Well Number	Sample Date	TAA (µg/l)	TAME (µg/l)	3,3-Dimethyl-1-butanol (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
IGWA	9/29/99	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD
	2/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/26/12	NS	NS	NS	NS	NS	NS	NS	NS
	12/3/14	790J	<20	<100	<670	<100	<40	<3300	<20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	2,740	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	6/1/16	<4,000	<400	<4,000	<4,000	<2,000	<200	<8,000	<400
	4/4/17	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
IGWA'R'	6/26/12	NT	NT	NT	NT	NT	NT	NT	NT
	12/3/14	<2,500	<20	<2,500	<670	<100	<40	<3,300	<250
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	NL	NL	NL	NL	NL	NL	NL	NL
	6/1/16	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
	4/4/17	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
MW-1	9/29/99	NT	NT	NT	NT	NT	NT	NT	NT
	2/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/26/12	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD
	12/3/14	8,800J	<100	<500	<3,400	<500	<200	<17,000	<100
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	4,220	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
	6/1/16	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
	4/4/17	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
MW-2	9/29/99	NT	NT	NT	NT	NT	NT	NT	NT
	2/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/26/12	NT	NT	NT	NT	NT	NT	NT	NT
	12/3/14	4,200	<20	<100	<670	<100	<40	<3,300	<20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	4,600	<50.0	<500	420J	<250	<25.0	<1,000	<50.0
	6/1/16	2,680	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
	4/4/17	259	<20.0	<200	<200	<100	<10.0	<400	<20.0
MW-3	9/29/99	NT	NT	NT	NT	NT	NT	NT	NT
	2/20/12	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD
	6/26/12	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD
	12/3/14	2,200	<20	<100	<670	<100	<40	<3,300	<20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	5,120	<50.0	<500	431J	<250	<25.0	<1,000	<50.0
	6/1/16	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
	4/4/17	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
MW-4	9/29/99	NT	NT	NT	NT	NT	NT	NT	NT
	2/20/12	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD
	6/26/12	NT	NT	NT	NT	NT	NT	NT	NT
	12/3/14	2,800J	<40	<200	<1,300	<200	<80	<6,600	<40
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	5,100	<50.0	<500	439J	<250	<25.0	<1,000	<50.0
	6/1/16	NL	NL	NL	NL	NL	NL	NL	NL
	4/4/17	2,760	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
MW-5	9/29/99	NT	NT	NT	NT	NT	NT	NT	NT
	2/20/12	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	6/26/12	NT	NT	NT	NT	NT	NT	NT	NT
	12/3/14	NL	NL	NL	NL	NL	NL	NL	NL
	12/13/14	NL	NL	NL	NL	NL	NL	NL	NL
	8/31/15	NL	NL	NL	NL	NL	NL	NL	NL
	6/1/16	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/4/17	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
MW-6	9/29/99	NT	NT	NT	NT	NT	NT	NT	NT
	2/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/26/12	NT	NT	NT	NT	NT	NT	NT	NT
	12/3/14	180	<0.20	<1.0	8.9	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/16	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-7	9/29/99	NT	NT	NT	NT	NT	NT	NT	NT
	2/20/12	140	<0.20	2.5J	8.9J	<1.0	<0.40	<33	<0.20
	6/26/12	NT	NT	NT	NT	NT	NT	NT	NT
	12/3/14	<340	<50	<50	<340	<50	<20	<1,700	<10
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	647	<50.0	<500	<500	<250	<25.0	<1,000	<50.0
	6/1/16	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/4/17	NL	NL	NL	NL	NL	NL	NL	NL
MW-8	9/29/99	NT	NT	NT	NT	NT	NT	NT	NT
	2/20/12	72J	<0.20	<1.0	18J	<1.0	<0.40	<33	<0.20
	6/26/12	NT	NT	NT	NT	NT	NT	NT	NT
	12/3/14	<6.7	<1.0	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/16	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0

Notes:

1. ug/l = micrograms per liter
2. DIPE = Diisopropyl Ether
3. ETBE = Ethyl ter-butyl Ether
4. TAA = tert-Amyl Alcohol

5. TAME = tert-Amyl Methyl Ether
6. TBA = ter-Butyl Alcohol
7. TBF = tert-Butyl Formate
8. NL = Not Located

9. "J" values report concentrations above the method detection limits (MDL) and below actual reporting limit (RL).
10. NT = Not Tested
11. NS = Not Sampled

TABLE 3A
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GROUNDWATER COC CONCENTRATION DATA (OXYGENATES)
APRIL 4, 2017 SAMPLING EVENT
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 17-5929
SCDHEC SITE ID NUMBER 03538

Well Number	Sample Date	TAA (µg/l)	TAME (µg/l)	3,3-Dimethyl-1-butanol (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
MW-9	9/29/99	NT	NT	NT	NT	NT	NT	NT	NT
	2/20/12	NL	NL	NL	NL	NL	NL	NL	NL
	6/26/12	NL	NL	NL	NL	NL	NL	NL	NL
	12/3/14	NL	NL	NL	NL	NL	NL	NL	NL
	12/13/14	NL	NL	NL	NL	NL	NL	NL	NL
	8/31/15	NL	NL	NL	NL	NL	NL	NL	NL
	6/1/16	NL	NL	NL	NL	NL	NL	NL	NL
	4/4/17	NL	NL	NL	NL	NL	NL	NL	NL
MW-10	9/29/99	NT	NT	NT	NT	NT	NT	NT	NT
	2/20/12	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	6/26/12	NT	NT	NT	NT	NT	NT	NT	NT
	12/3/14	NL	NL	NL	NL	NL	NL	NL	NL
	12/13/14	NL	NL	NL	NL	NL	NL	NL	NL
	8/31/15	NL	NL	NL	NL	NL	NL	NL	NL
	6/1/16	NL	NL	NL	NL	NL	NL	NL	NL
	4/4/17	NL	NL	NL	NL	NL	NL	NL	NL
MW-10R	12/3/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/16	NL	NL	NL	NL	NL	NL	NL	NL
	4/4/17	NL	NL	NL	NL	NL	NL	NL	NL
MW-11	9/29/99	NT	NT	NT	NT	NT	NT	NT	NT
	2/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/26/12	NT	NT	NT	NT	NT	NT	NT	NT
	12/3/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/16	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-14	9/29/99	NT	NT	NT	NT	NT	NT	NT	NT
	2/20/12	630	<0.20	1.1J	9.5J	<1.0	<10	<33	<0.20
	6/26/12	NT	NT	NT	NT	NT	NT	NT	NT
	12/3/14	NL	NL	NL	NL	NL	NL	NL	NL
	12/12/14	7.9	<1.0	<0.20	<6.7	<1.0	<0.40	<33	<0.20
	8/31/15	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/16	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-15	6/26/12	NT	NT	NT	NT	NT	NT	NT	NT
	12/3/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/16	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-16	6/26/12	NT	NT	NT	NT	NT	NT	NT	NT
	12/3/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	678	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/16	NL	NL	NL	NL	NL	NL	NL	NL
	4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-17	6/26/12	NT	NT	NT	NT	NT	NT	NT	NT
	12/3/14	<340	<10	<50	<340	<50	<20	<1700	<10
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	4,930	<50.0	<500	421J	<250	<25.0	<1,000	<50.0
	6/1/16	<4,000	<10	<4,000	<100	<50.0	<200	<8,000	<400
	4/4/17	96.7J	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-18	6/26/12	NT	NT	NT	NT	NT	NT	NT	NT
	12/3/14	<6.7	<0.20	<1.0	12J	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	25,200	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
	6/1/16	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-19	12/3/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/16	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-20	12/3/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/16	NL	NL	NL	NL	NL	NL	NL	NL
	4/4/17	NL	NL	NL	NL	NL	NL	NL	NL
MW-21	12/3/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/16	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0

Notes:

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6. TBA = ter-Butyl Alcohol

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GROUNDWATER COC CONCENTRATION DATA (OXYGENATES)
APRIL 4, 2017 SAMPLING EVENT
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 17-5929
SCDHEC SITE ID NUMBER 03538

Well Number	Sample Date	TAA (µg/l)	TAME (µg/l)	3,3-Dimethyl-1-butanol (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
MW-22	12/3/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/12/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	8/31/15	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/16	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-22D	12/3/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/12/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/16	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-23	12/3/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/12/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	8/31/15	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/16	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-24	12/3/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/12/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/1/16	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-25	12/3/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/12/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/1/16	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-26	12/3/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/12/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/16	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-27	12/3/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/12/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/16	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-28	12/3/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/12/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/16	NL	NL	NL	NL	NL	NL	NL	NL
	4/4/17	NL	NL	NL	NL	NL	NL	NL	NL
TW-1	9/29/99	NT	NT	NT	NT	NT	NT	NT	NT
	2/20/12	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	6/26/12	NT	NT	NT	NT	NT	NT	NT	NT
	12/3/14	NL	NL	NL	NL	NL	NL	NL	NL
	12/12/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	8/31/15	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	6/1/16	NL	NL	NL	NL	NL	NL	NL	NL
	4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
TW-2	6/26/12	NT	NT	NT	NT	NT	NT	NT	NT
	12/3/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/15	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/16	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-3 DUP	12/2/14	1,900J	<20	<100	<670	<100	<40	<3,300	<20
MW-4 DUP	12/3/14	2,800	<20	<100	<670	<100	<40	<3,300	<20
MW-7 DUP	8/31/15	1,410	<50.0	<500	<500	<250	<25.0	<1,000	<50.0
IGWA DUP	8/31/15	2,810	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
DUP-1(IGWA)	6/1/16	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
DUP-2 (IGWA-R)	6/1/16	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
DUP-1 (IGWA)	4/4/17	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
DUP-2 (IGWA-R)	4/4/17	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
Field Blank	12/2/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/3/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/12/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	8/31/15	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/16	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
Trip Blank	4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	168J	<10.0
	12/3/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/3/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/3/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/12/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	8/31/15	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	6/1/16	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0

Notes:

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2. DIPE = Diisopropyl Ether

3. ETBE = Ethyl ter-butyl Ether

4. TAA = tert-Amyl Alcohol

5. TAME = tert-Amyl Methyl Ether

6. TBA = ter-Butyl Alcohol

7. TBF = tert-Butyl Formate

8. NL = Not Located

9. "J" values report concentrations above the method detection limits (MDL) and below actual reporting limit (RL).

10. NT = Not Tested

11. NS = Not Sampled

FIGURES



Reference: Florence East, South Carolina
 Contour Interval- 2 Meters
 USGS 7.5 Min. Quad

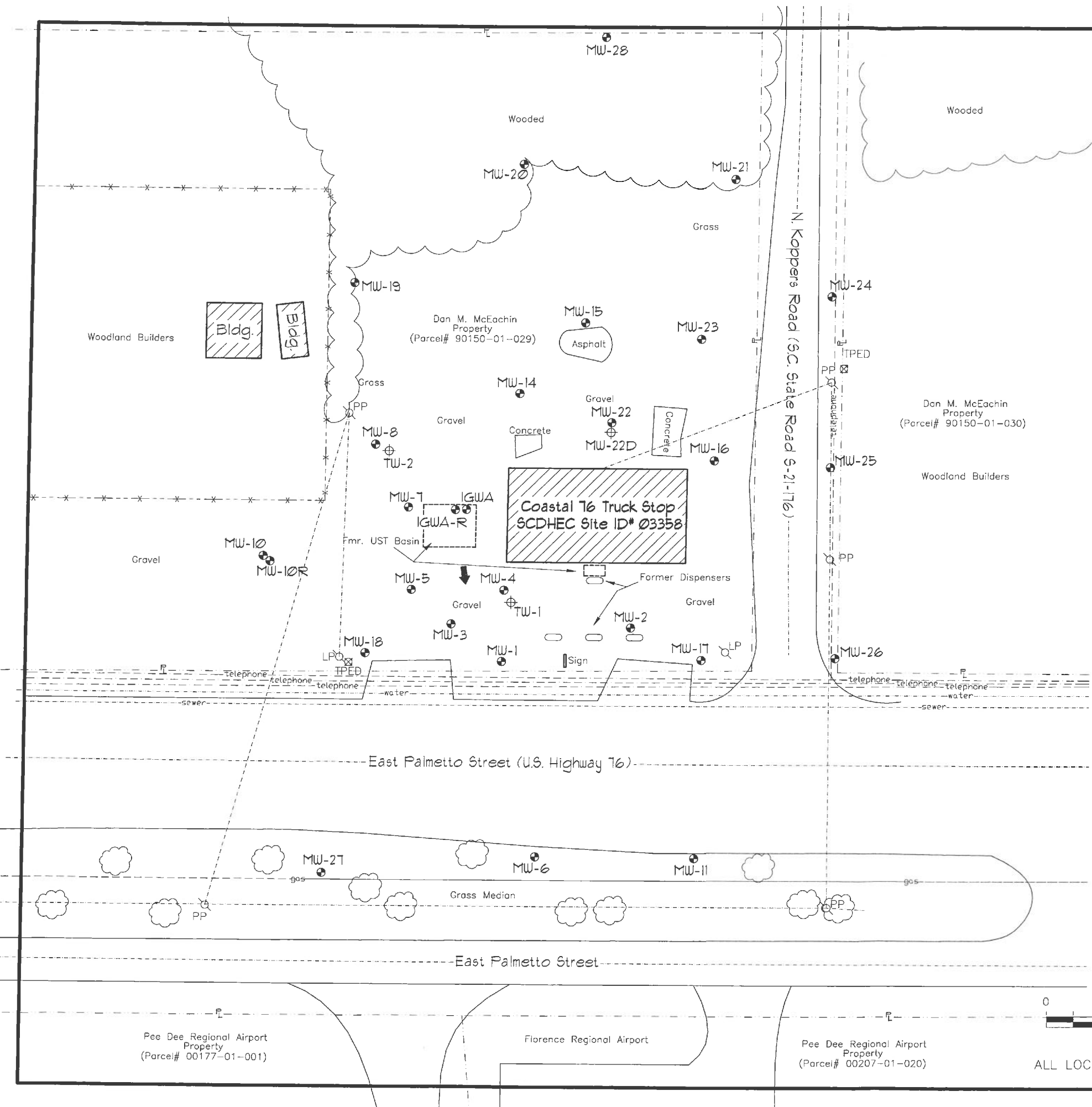
Midlands
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Site Location

Coastal 76 Truck Stop
 2513 East Palmetto Street, Florence, SC
 SCDHEC Site ID# 03538

Figure 1

MECI 17-5929



Explanation:

- Location of Watertable Bracketing Monitoring Well
- ⊕ Location of Double Cased "Deep" Monitoring Well
- ↑ Estimated Groundwater Flow Direction
- Estimated Location of Removed Underground Storage Tanks
- — — Property Line
- gas — Buried Gas Line
- water — Buried Water Line
- sewer — Buried Sewer
- telephone — Buried Telephone
- fence — Fence

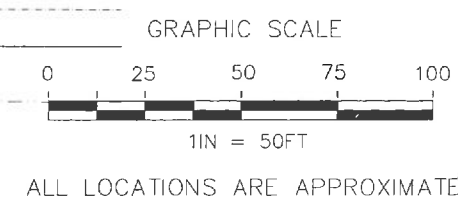
Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

Site Base Map

Coastal Mart 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03358

Midlands Environmental Consultants, Inc.

JOB NO. 17-5929
DATE April 25, 2017
FIGURE 2



Notes: Groundwater samples collected on April 4, 2017.
Isopleth Interval = 4,000 ug/l
BDL = Below Detection Limits
Isopleths Computer Generated using Surfer by Golden
Graphics and Modified by MECI Personnel.
NL= Not Located
"Deep" wells not used in Isopleth Creation

Explanation:

- Location of Watertable Bracketing Monitoring Well
- Estimated Groundwater Flow Direction
- Location of Double Cased "Deep" Monitoring Well
- Estimated Location of Removed Underground Storage Tanks

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)	1,2 DCA (ug/l)	EDB (ug/l)
IGWA	533	4,630	898	9,090	358	<125	<125	0.51
IGWA-R	906	6,540	2,260	8,480	623	<250	<250	0.93
MW-1	13,900	25,400	1,070	15,700	1,000	<1,000	<1,000	20.2
MW-2	270	21.3	39.9	49.0	23.6	36.6	<10.0	0.13
MW-3	1,580	10,900	1,810	12,000	810	<500	<500	0.97
MW-4	2,210	3,800	703	5,130	363	<125	<125	1.6
MW-5	101	424	1,020	2,940	427	<50.0	<50.0	<0.020
MW-6	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-7	NL	NL	NL	NL	NL	NL	NL	NL
MW-8	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-9	NL	NL	NL	NL	NL	NL	NL	NL
MW-10	NL	NL	NL	NL	NL	NL	NL	NL
MW-10R	NL	NL	NL	NL	NL	NL	NL	NL
MW-11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-15	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-16	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-17	91.4	11.9	17.3	131	22.8	<5.0	<5.0	0.11
MW-18	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-19	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-20	NL	NL	NL	NL	NL	NL	NL	NL
MW-21	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-22	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-22D	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-23	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-24	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-25	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.021
MW-26	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-27	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-28	NL	NL	NL	NL	NL	NL	NL	NL
TW-1	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
TW-2	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
DUP-1(IGWA)	528	4,590	901	9,120	350	<125	<125	0.49
DUP-2(IGWA-R)	898	7,100	2,100	6,690	658	<250	<250	0.70
Field Blank	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
Trip Blank	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	NT

Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

Groundwater CoC Site Map (Benzene Isopleth)

Coastal Mart 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03538

Midlands
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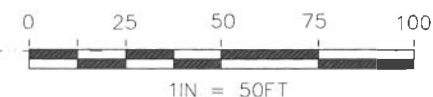
JOB NO. 17-5929

DATE April 25, 2017

FIGURE

4

GRAPHIC SCALE



ALL LOCATIONS ARE APPROXIMATE

Notes: Groundwater samples collected on April 4, 2017.

Isopleth Interval = 300 ug/l

BDL = Below Detection Limits

Isopleths Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.

NL= Not Located

"Deep" wells not used in Isopleth Creation

Explanation:

- Location of Watertable Bracketing Monitoring Well
- Estimated Groundwater Flow Direction
- Location of Double Cased "Deep" Monitoring Well
- Estimated Location of Removed Underground Storage Tanks

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)
IGWA	533	4,630	898	9,090	358	<125	<125	0.51
IGWA-R	906	6,540	2,260	8,480	623	<250	<250	0.93
MW-1	13,900	25,400	1,070	15,700	1,000	<1,000	<1,000	20.2
MW-2	270	21.3	39.9	49.0	23.6	36.6	<10.0	0.13
MW-3	1,580	10,900	1,810	12,000	810	<500	<500	0.97
MW-4	2,210	3,800	703	5,130	363	<125	<125	1.6
MW-5	101	424	1,020	2,940	427	<50.0	<50.0	<0.020
MW-6	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-7	NL	NL	NL	NL	NL	NL	NL	NL
MW-8	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-9	NL	NL	NL	NL	NL	NL	NL	NL
MW-10	NL	NL	NL	NL	NL	NL	NL	NL
MW-10R	NL	NL	NL	NL	NL	NL	NL	NL
MW-11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-15	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-16	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-17	91.4	11.9	17.3	131	22.8	<5.0	<5.0	0.11
MW-18	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-19	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-20	NL	NL	NL	NL	NL	NL	NL	NL
MW-21	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-22	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-22D	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-23	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-24	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-25	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.021
MW-26	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-27	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-28	NL	NL	NL	NL	NL	NL	NL	NL
TW-1	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
TW-2	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
DUP-1(IGWA)	528	4,590	901	9,120	350	<125	<125	0.49
DUP-2(IGWA-R)	898	7,100	2,100	6,690	658	<250	<250	0.70
Field Blank	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
Trip Blank	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	NT

Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

Groundwater CoC Site Map (Naphthalene Isopleth)

Coastal Mart 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03358

Midlands
Environmental
Consultants, Inc.

JOB NO. 17-5929

DATE April 25, 2017

FIGURE

4A

GRAPHIC SCALE

0 25 50 75 100

1IN = 50FT

ALL LOCATIONS ARE APPROXIMATE

Notes: Groundwater samples collected on April 4, 2017.
Isopleth Interval = 6 ug/l
BDL = Below Detection Limits
Isopleths Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.
NL= Not Located
"Deep" wells not used in Isopleth Creation

Explanation:

- Location of Watertable Bracketing Monitoring Well
- Estimated Groundwater Flow Direction
- Location of Double Cased "Deep" Monitoring Well
- Estimated Location of Removed Underground Storage Tanks

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)	1,2 DCA (ug/l)	EDB (ug/l)
IGWA	533	4,630	898	9,090	358	<125	<125	0.51
IGWA-R	906	6,540	2,260	8,480	623	<250	<250	0.93
MW-1	13,900	25,400	1,070	15,700	1,000	<1,000	<1,000	20.2
MW-2	270	21.3	39.9	49.0	23.6	36.6	<10.0	0.13
MW-3	1,580	10,900	1,810	12,000	810	<500	<500	0.97
MW-4	2,210	3,800	703	5,130	363	<125	<125	1.6
MW-5	101	424	1,020	2,940	427	<50.0	<50.0	<0.020
MW-6	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-7	NL	NL	NL	NL	NL	NL	NL	NL
MW-8	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-9	NL	NL	NL	NL	NL	NL	NL	NL
MW-10	NL	NL	NL	NL	NL	NL	NL	NL
MW-10R	NL	NL	NL	NL	NL	NL	NL	NL
MW-11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-15	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-16	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-17	91.4	11.9	17.3	131	22.8	<5.0	<5.0	0.11
MW-18	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-19	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-20	NL	NL	NL	NL	NL	NL	NL	NL
MW-21	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-22	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-22D	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-23	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-24	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-25	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.021
MW-26	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-27	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-28	NL	NL	NL	NL	NL	NL	NL	NL
TW-1	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
TW-2	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
DUP-1(IGWA)	528	4,590	901	9,120	350	<125	<125	0.49
DUP-2(IGWA-R)	898	7,100	2,100	6,690	658	<250	<250	0.70
Field Blank	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
Trip Blank	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	NT

Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

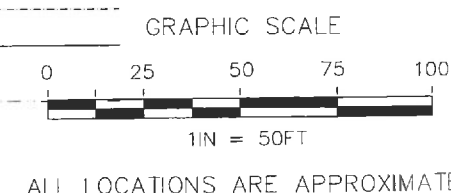
Groundwater CoC Site Map (EDB Isopleth)

Coastal Mart 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03358

Midlands
Environmental
Consultants, Inc.

JOB NO. 17-5929
DATE April 25, 2017

FIGURE
4B



Notes: Groundwater samples collected on April 4, 2017.
NL= Not Located
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

Explanation:

- Location of Watertable Bracketing Monitoring Well
- Estimated Groundwater Flow Direction
- Location of Double Cased "Deep" Monitoring Well
- Estimated Location of Removed Underground Storage Tanks

Groundwater CoC Concentration Data - Oxygenates								
Sample #	TAA (ug/l)	TAME (ug/l)	3,3-Dimethyl-1-butanol (ug/l)	TBA (ug/l)	TBF (ug/l)	DIPE (ug/l)	Ethanol (ug/l)	ETBE (ug/l)
IGWA	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
IGWA-R	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
MW-1	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
MW-2	259	<20.0	<200	<200	<100	<10.0	<400	<20.0
MW-3	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
MW-4	2,760	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
MW-5	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
MW-6	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-7	NL	NL	NL	NL	NL	NL	NL	NL
MW-8	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-9	NL	NL	NL	NL	NL	NL	NL	NL
MW-10	NL	NL	NL	NL	NL	NL	NL	NL
MW-10R	NL	NL	NL	NL	NL	NL	NL	NL
MW-11	<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-17	97.6J	<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	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-20	NL	NL	NL	NL	NL	NL	NL	NL
MW-21	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
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	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
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	NL	NL	NL	NL	NL	NL	NL	NL
TW-1	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
TW-2	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
DUP-1(IGWA)	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
DUP-2(IGWA-R)	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
Field Blank	<100	<10.0	<100	<100	<50.0	<5.0	168J	<10.0
Trip Blank	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0

Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

Groundwater CoC Site Map (Oxygenates)

Coastal Mart 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03358

Midlands
Environmental
Consultants, Inc.

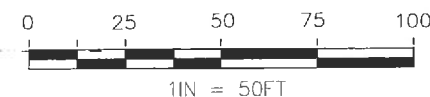
JOB NO. 17-5929

DATE April 25, 2017

FIGURE

4C

GRAPHIC SCALE



ALL LOCATIONS ARE APPROXIMATE

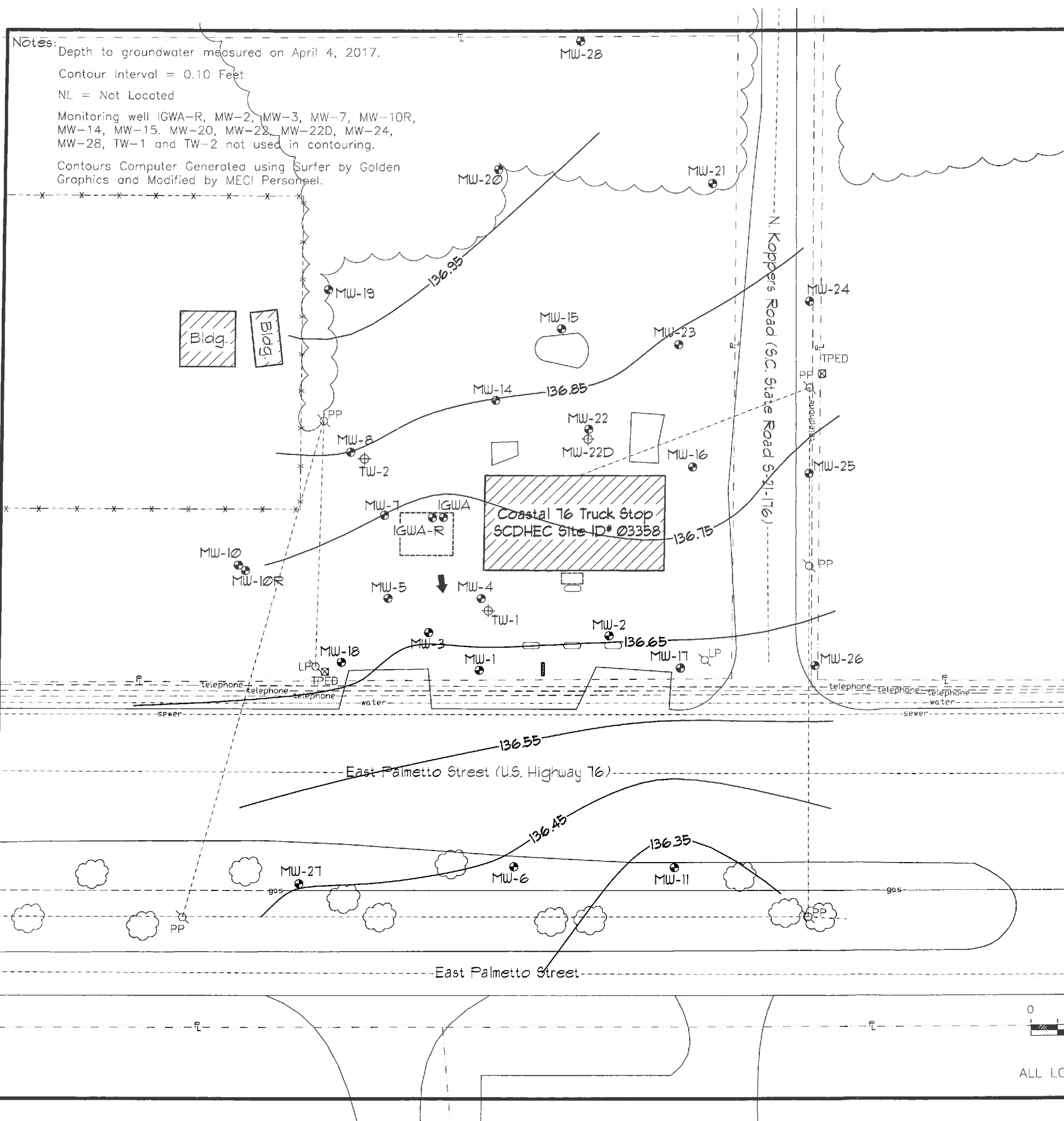
Notes: Depth to groundwater measured on April 4, 2017.

Contour Interval = 0.10 Feet

NL = Not Located

Monitoring well IGWA-R, MW-2, MW-3, MW-7, MW-10R, MW-14, MW-15, MW-20, MW-22, MW-22D, MW-24, MW-28, TW-1 and TW-2 not used in contouring.

Contours Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.



Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of Double Cased "Deep" Monitoring Well
- Estimated Groundwater Flow Direction
- Estimated Location of Removed Underground Storage Tanks

Groundwater Elevation Contour (feet)

Potentiometric Data

Well #	Screened Interval (ft)	Depth to Water (ft)	Well Head Elevation	Groundwater Elevation
IGWA	TD: 16.74	8.48	145.19	136.71
IGWA-R	11.00-21.00	8.52	145.14	136.62
MW-1	TD: 17.80	9.24	145.87	136.63
MW-2	TD: 18.30	7.95	145.19	137.24
MW-3	TD: 18.20	8.73	145.51	136.78
MW-4	TD: 18.35	8.86	145.56	136.70
MW-5	8.29-18.29	8.45	145.11	136.66
MW-6	8.29-18.29	9.60	146.04	136.44
MW-7	8.38-18.38	NL	144.61	NL
MW-8	8.29-18.29	6.93	143.78	136.85
MW-9	8.33-18.33	NL	NA	NL
MW-10	TD: 18.25	NL	143.84	NL
MW-10R	TD: 11.61	NL	143.84	NL
MW-11	8.42-18.42	9.38	145.68	136.30
MW-14	8.29-18.29	7.25	144.36	137.11
MW-15	10.00-20.00	8.06	143.54	135.48
MW-16	11.00-21.00	7.51	144.33	136.82
MW-17	11.00-21.00	8.46	145.08	136.62
MW-18	11.00-21.00	9.11	145.79	136.68
MW-19	2.12-12.12	6.68	143.67	136.99
MW-20	4.50-14.50	NL	143.93	NL
MW-21	2.75-12.75	6.34	143.25	136.91
MW-22	5.09-15.09	7.54	145.03	137.49
MW-22D	39.23-44.23	10.26	144.89	134.63
MW-23	1.61-11.61	6.79	143.63	136.84
MW-24	8.42-18.42	6.60	143.78	137.18
MW-25	8.29-18.29	7.32	144.04	136.72
MW-26	10.00-20.00	8.34	144.96	136.62
MW-27	11.00-21.00	8.32	144.77	136.45
MW-28	11.00-21.00	NL	142.71	NL
TW-1	31.00-36.00	9.24	145.77	136.53
TW-2	31.00-36.00	7.21	143.98	136.77

Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

Potentiometric Data Site Map (Groundwater Contour)

Coastal Mart 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03358

Midlands
Environmental
Consultants, Inc.

JOB NO. 17-5929

DATE April 25, 2017

FIGURE

5

GRAPHIC SCALE



1IN = 50FT

ALL LOCATIONS ARE APPROXIMATE

APPENDIX A:
SITE SURVEY
(Not Applicable)

APPENDIX B:
SAMPLING LOGS, LABORATORY DATA SHEETS, & CHAIN-OF-CUSTODY FORMS

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C. Phillips, C. Hansen	
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85	

Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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:	IGWA	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.):	6.74-16.74	Total Well Depth (TWD) (ft.):	16.74
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	8.48	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	8.26	1 casing volume (CV = LWC x C) (gals.):	1.35	5 casing volumes (5 x CV) (gals.):	6.73

Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	1.35	2.69	4.04	5.39	6.73		
Time (military)	11:46							
PH (s.u.)	5.77							
Specific Conductivity (µS/cm)	162.5							
Water Temperature (°C)	19.6							
Dissolved Oxygen (mg/L)	1.02							
Turbidity (NTU)	25.16							

Sampling Data									
Sampled By:	P.Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	11:46	Duplicate: Y or N	Y	If yes, Duplicate Time:	11:47	Total Gallons Purged:	0.00

Notes:

Odor

No Purge Sample Collected

Duplicated as Dup-1

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P. Wylie, J. Phillips, C. Phillips, C. Hansen		
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85		

Meter Name	Serial #:	Quality Assurance							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	pH 4.0: Y or N Y or N 0.0 NTU: Y or N Y Y Y pH 7.0: Y or N 1.0 NTU: Y or N Y Y pH 10.0: Y or N 10.0 NTU: Y or N Y Y S.C.: Y or N Y							
YSI Pro 20 (Dissolved Oxygen)	12G102878								
MicroTPI/TPW (Turbidity)	201301183								

Well Information					
Well ID:	IGWA-R	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.):	11-21	Total Well Depth (TWD) (ft.):	21
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	8.52	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	12.48	1 casing volume (CV = LWC x C) (gals.):	2.03	5 casing volumes (5 x CV) (gals.):	10.17

Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	2.03	4.07	6.10	8.14	10.17		
Time (military)	11:51	11:53	11:55	11:58	12:02	12:05		
PH (s.u.)	5.66	5.73	5.77	5.75	5.74	5.74		
Specific Conductivity (µS/cm)	142.5	144.6	149.0	148.7	149.1	148.6		
Water Temperature (°C)	20.2	20.6	20.8	20.9	20.9	21		
Dissolved Oxygen (mg/L)	0.81	0.85	1.01	0.98	0.99	0.96		
Turbidity (NTU)	19.81	68.21	73.34	124.20	81.22	51.93		

Sampling Data									
Sampled By:	P. Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	12:05	Duplicate: Y or N	Y	If yes, Duplicate Time:	12:06	Total Gallons Purged:	11.00

Notes:

Odor

Duplicated as Dup-2

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P. Wylie, J. Phillips, C. Phillips, C. Hansen		
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85		

Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-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.):	7.80 - 17.80	Total Well Depth (TWD) (ft.):	17.8
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	9.29	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	8.51	1 casing volume (CV = LWC x C) (gals.):	1.39	5 casing volumes (5 x CV) (gals.):	6.94

Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	1.39	2.77	4.16	5.55	6.94		
Time (military)	12:36							
PH (s.u.)	5.86							
Specific Conductivity (µS/cm)	125.2							
Water Temperature (°C)	20.3							
Dissolved Oxygen (mg/L)	0.68							
Turbidity (NTU)	15.64							

Sampling Data									
Sampled By:	P. Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	12:36	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged;	0.00

Notes:

Odor

No Purge Sample Collected

Petroleum Sheen observed on Vials

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C. Phillips, C. Hansen	
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85	

Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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 = 0.852	0.163	Method of Purging/Sample Collection	Bailer
Sample Type: (i.e. MW, IW, RW, WSW)	MW	Screened Interval (ft.):	8.30-18.30	Total Well Depth (TWD) (ft.):	18.3
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	7.95	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	10.35	1 casing volume (CV = LWC x C) (gals.):	1.69	5 casing volumes (5 x CV) (gals.):	8.44

Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	1.69	3.37	5.06	6.75	8.44		
Time (military)	12:06	12:08	12:10	12:12	12:14	12:17		
PH (s.u.)	6.17	6.27	6.31	6.29	6.30	6.31		
Specific Conductivity (µS/cm)	176.7	179.4	182.7	183.1	181.9	182.4		
Water Temperature (°C)	20.9	21.5	21.8	21.9	21.9	21.7		
Dissolved Oxygen (mg/L)	0.87	0.91	0.89	0.89	0.85	0.86		
Turbidity (NTU)	36.89	104.60	159.7	165.20	136.5	98.65		

Sampling Data									
Sampled By:	P.Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	12:36	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	9.00

Notes:

Odor

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C. Phillips, C. Hansen		
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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.):			8.20-18.20	Total Well Depth (TWD) (ft.):		18.2	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			8.73	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	9.47	1 casing volume (CV = LWC x C) (gals.):			1.54	5 casing volumes (5 x CV) (gals.):		7.72	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	1.54	3.09	4.63	6.17	7.72			
Time (military)	11:47								
PH (s.u.)	5.99								
Specific Conductivity (µS/cm)	209.4								
Water Temperature (°C)	21.7								
Dissolved Oxygen (mg/L)	0.86								
Turbidity (NTU)	42.18								
Sampling Data									
Sampled By:	P.Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	12:36	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
Notes:									
Odor									
No Purge Sample Collected									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P. Wylie, J. Phillips, C. Phillips, C. Hansen				
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85				
Quality Assurance											
Meter Name		Serial #:		Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)		15H101448		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)		12G102878		Y or N	Y						
MicroTPI/TPW (Turbidity)		201301183		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.):				8.35-18.35	Total Well Depth (TWD) (ft.):		18.35		
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):				8.86	Free Product Thickness (ft.):		Not Detected		
Length of water column (LWC = TWD – DGW) (ft.):	9.49	1 casing volume (CV = LWC x C) (gals.):				1.55	5 casing volumes (5 x CV) (gals.):		7.73		
Purging Data											
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling			
Volume Purged (gallons)	0.00	1.55	3.09	4.64	6.19	7.73					
Time (military)	12:14										
PH (s.u.)	6.06										
Specific Conductivity (µS/cm)	212.8										
Water Temperature (°C)	21.4										
Dissolved Oxygen (mg/L)	0.86										
Turbidity (NTU)	41.70										
Sampling Data											
Sampled By:	P. Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	12:14	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00		
Notes:											
Slight Odor											
No Purge Sample Collected											

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C. Phillips, C. Hansen		
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-5	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.):			8.29-18.29	Total Well Depth (TWD) (ft.):		18.29	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			8.45	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	9.84	1 casing volume (CV = LWC x C) (gals.):			1.60	5 casing volumes (5 x CV) (gals.):		8.02	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	1.60	3.21	4.81	6.42	8.02			
Time (military)	11:27								
PH (s.u.)	6.05								
Specific Conductivity (µS/cm)	237.4								
Water Temperature (°C)	19.6								
Dissolved Oxygen (mg/L)	0.78								
Turbidity (NTU)	36.75								
Sampling Data									
Sampled By:	P.Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	11:27	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
Notes:									
Slight Odor									
No Purge Sample Collected									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C. Phillips, C. Hansen				
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85				
Quality Assurance											
Meter Name		Serial #:		Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)		15H101448		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)		12G102878		Y or N	Y						
MicroTPI/TPW (Turbidity)		201301183		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.):				8.29-18.29	Total Well Depth (TWD) (ft.):		18.29		
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):				9.60	Free Product Thickness (ft.):		Not Detected		
Length of water column (LWC = TWD – DGW) (ft.):	8.69	1 casing volume (CV = LWC x C) (gals.):				1.42	5 casing volumes (5 x CV) (gals.):		7.08		
Purging Data											
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling			
Volume Purged (gallons)	0.00	1.42	2.83	4.25	5.67	7.08					
Time (military)	9:51										
PH (s.u.)	5.73										
Specific Conductivity (µS/cm)	77.9										
Water Temperature (°C)	19.3										
Dissolved Oxygen (mg/L)	1.82										
Turbidity (NTU)	11.09										
Sampling Data											
Sampled By:	P.Wylie, J. Phillips, C. Phillips, C. Hansen		Sampling Time:	9:51	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00	
Notes:											
No Odor											
No Purge Sample Collected											

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C. Phillips, C. Hansen		
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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.):			8.38-18.38	Total Well Depth (TWD) (ft.):		18.38	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			NL	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	#VALUE!	1 casing volume (CV = LWC x C) (gals.):			#VALUE!	5 casing volumes (5 x CV) (gals.):		#VALUE!	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!			
Time (military)	NL								
PH (s.u.)	NL								
Specific Conductivity (µS/cm)	NL								
Water Temperature (°C)	NL								
Dissolved Oxygen (mg/L)	NL								
Turbidity (NTU)	NL								
Sampling Data									
Sampled By:	P.Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	NL	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
Notes: NL= Not Located Covered by Dumpster full of scrap wood									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P. Wylie, J. Phillips, C. Phillips, C. Hansen		
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85		

Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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.):	8.29-18.29	Total Well Depth (TWD) (ft.):	18.29
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	6.93	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	11.36	1 casing volume (CV = LWC x C) (gals.):	1.85	5 casing volumes (5 x CV) (gals.):	9.26

Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	1.85	3.70	5.56	7.41	9.26		
Time (military)	11:45	11:47	11:50	11:53	11:55	11:58		
PH (s.u.)	6.54	6.59	6.63	6.62	6.63	6.65		
Specific Conductivity (µS/cm)	100.6	109.4	115.7	121.2	120.9	120.2		
Water Temperature (°C)	18.6	19.2	19.5	19.6	19.6	19.7		
Dissolved Oxygen (mg/L)	2.59	2.52	2.49	2.47	2.50	2.49		
Turbidity (NTU)	101.7	111.20	102.1	91.02	90.11	86.29		

Sampling Data									
Sampled By:	P. Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	11:58	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	10.00

Notes:

No Odor

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C. Phillips, C. Hansen		
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-9	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.):			8.33-18.33	Total Well Depth (TWD) (ft.):		18.33	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			NL	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	#VALUE!	1 casing volume (CV = LWC x C) (gals.):			#VALUE!	5 casing volumes (5 x CV) (gals.):		#VALUE!	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!			
Time (military)	NL								
PH (s.u.)	NL								
Specific Conductivity (µS/cm)	NL								
Water Temperature (°C)	NL								
Dissolved Oxygen (mg/L)	NL								
Turbidity (NTU)	NL								
Sampling Data									
Sampled By:	P.Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	NL	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
Notes:									
NL=Not Located									
Not on Provided Map									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P. Wylie, J. Phillips, C. Phillips, C. Hansen		
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85		

Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-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.):	8.25-18.25	Total Well Depth (TWD) (ft.):	18.25
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	NL	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	#VALUE!	1 casing volume (CV = LWC x C) (gals.):	#VALUE!	5 casing volumes (5 x CV) (gals.):	#VALUE!

Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!		
Time (military)	NL							
PH (s.u.)	NL							
Specific Conductivity (µS/cm)	NL							
Water Temperature (°C)	NL							
Dissolved Oxygen (mg/L)	NL							
Turbidity (NTU)	NL							

Sampling Data									
Sampled By:	P. Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	NL	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00

Notes:

NL=Not Located

Not Historically Located

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P. Wylie, J. Phillips, C. Phillips, C. Hansen				
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85				
Quality Assurance											
Meter Name		Serial #:		Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)		15H101448		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)		12G102878		Y or N	Y						
MicroTPI/TPW (Turbidity)		201301183		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-10R	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.):				1.61-11.61	Total Well Depth (TWD) (ft.):		11.61		
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):				NL	Free Product Thickness (ft.):		Not Detected		
Length of water column (LWC = TWD – DGW) (ft.):	#VALUE!	1 casing volume (CV = LWC x C) (gals.):				#VALUE!	5 casing volumes (5 x CV) (gals.):		#VALUE!		
Purging Data											
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling			
Volume Purged (gallons)	0.00	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!					
Time (military)	NL										
PH (s.u.)	NL										
Specific Conductivity (µS/cm)	NL										
Water Temperature (°C)	NL										
Dissolved Oxygen (mg/L)	NL										
Turbidity (NTU)	NL										
Sampling Data											
Sampled By:	P. Wylie, J. Phillips, C. Phillips, C. Hansen		Sampling Time:	NL	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00	
Notes:											
NL=Not Located											
Underneath Sheet Metal and Debris											

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P. Wylie, J. Phillips, C. Phillips, C. Hansen		
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-11	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.):			8.42-18.42	Total Well Depth (TWD) (ft.):		18.42	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			9.38	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	9.04	1 casing volume (CV = LWC x C) (gals.):			1.47	5 casing volumes (5 x CV) (gals.):		7.37	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	1.47	2.95	4.42	5.89	7.37			
Time (military)	9:50								
PH (s.u.)	5.53								
Specific Conductivity (µS/cm)	50.3								
Water Temperature (°C)	20.0								
Dissolved Oxygen (mg/L)	3.25								
Turbidity (NTU)	16.81								
Sampling Data									
Sampled By:	P. Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	9:50	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
Notes:									
No Odor									
No Purge Sample Collected									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C. Phillips, C. Hansen		
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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.):			8.29-18.29	Total Well Depth (TWD) (ft.):		18.29	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			7.25	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	11.04	1 casing volume (CV = LWC x C) (gals.):			1.80	5 casing volumes (5 x CV) (gals.):		9.00	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	1.80	3.60	5.40	7.20	9.00			
Time (military)	10:26	10:29	10:32	10:35	10:37	10:40			
PH (s.u.)	6.33	6.37	6.41	6.44	6.42	6.42			
Specific Conductivity (µS/cm)	110.8	116.5	119.2	118.9	120.6	121.7			
Water Temperature (°C)	17.7	18.2	18.5	18.5	18.6	18.6			
Dissolved Oxygen (mg/L)	3.60	3.59	3.61	3.64	3.63	3.63			
Turbidity (NTU)	11.82	89.69	109.2	129.40	106.5	114			
Sampling Data									
Sampled By:	P.Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	10:40	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	9.00
Notes:									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C. Phillips, C. Hansen		
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85		

Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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.):	10-20	Total Well Depth (TWD) (ft.):	20
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	8.06	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	11.94	1 casing volume (CV = LWC x C) (gals.):	1.95	5 casing volumes (5 x CV) (gals.):	9.73

Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	1.95	3.89	5.84	7.78	9.73		
Time (military)	10:19	10:21	10:23	10:26	10:29	10:31		
PH (s.u.)	5.86	5.92	5.95	5.93	5.93	5.94		
Specific Conductivity (µS/cm)	70.7	75.7	79.1	83.0	82.9	82.6		
Water Temperature (°C)	18.0	18.6	19.0	19.2	19.3	19.2		
Dissolved Oxygen (mg/L)	4.97	4.99	5.04	5.04	5.01	5.02		
Turbidity (NTU)	25.57	98.71	133.7	122.00	108.6	86.47		

Sampling Data									
Sampled By:	P.Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	10:31	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	10.00

Notes:

No Odor

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P. Wylie, J. Phillips, C. Phillips, C. Hansen			
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85			
Quality Assurance										
Meter Name	Serial #:	Calibration:								
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y							
MicroTPI/TPW (Turbidity)	201301183	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.):			11-21	Total Well Depth (TWD) (ft.):		21		
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			7.51	Free Product Thickness (ft.):		Not Detected		
Length of water column (LWC = TWD – DGW) (ft.):	13.49	1 casing volume (CV = LWC x C) (gals.):			2.20	5 casing volumes (5 x CV) (gals.):		10.99		
Purging Data										
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling		
Volume Purged (gallons)	0.00	2.20	4.40	6.60	8.80	10.99				
Time (military)	10:35	10:37	10:40	10:43	10:45	10:48				
PH (s.u.)	6.23	6.28	6.33	6.38	6.36	6.35				
Specific Conductivity (µS/cm)	171.3	170.2	170.7	170.2	169.7	169.3				
Water Temperature (°C)	18.5	18.7	18.9	19.0	19.0	18.9				
Dissolved Oxygen (mg/L)	4.13	4.19	4.22	4.25	4.30	4.29				
Turbidity (NTU)	24.20	114.6	125.4	113.2	166.4	109.6				
Sampling Data										
Sampled By:	P. Wylie, J. Phillips, C. Phillips, C. Hansen		Sampling Time:	10:48	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	11.00
Notes:										
No Odor										

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C. Phillips, C. Hansen		
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-17	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.):			11-21	Total Well Depth (TWD) (ft.):		21	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			8.46	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	12.54	1 casing volume (CV = LWC x C) (gals.):			2.04	5 casing volumes (5 x CV) (gals.):		10.22	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	2.04	4.09	6.13	8.18	10.22			
Time (military)	10:52	10:54	10:57	10:59	11:01	11:03			
PH (s.u.)	5.60	5.65	5.71	5.70	5.69	5.69			
Specific Conductivity (µS/cm)	192.6	193.4	195.0	197.4	195.1	195.8			
Water Temperature (°C)	20.0	20.5	20.8	21.1	20.9	20.9			
Dissolved Oxygen (mg/L)	0.74	0.90	0.95	1.02	1.05	1.09			
Turbidity (NTU)	69.90	128.2	131.2	90.34	85.63	56.18			
Sampling Data									
Sampled By:	P.Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	11:03	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	10.50
Notes:									
Slight Odor									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C. Phillips, C. Hansen		
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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.):			11-21	Total Well Depth (TWD) (ft.):		21	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			9.11	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	11.89	1 casing volume (CV = LWC x C) (gals.):			1.94	5 casing volumes (5 x CV) (gals.):		9.69	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	1.94	3.88	5.81	7.75	9.69			
Time (military)	11:12	11:15	11:19	11:21	11:23	11:25			
PH (s.u.)	5.16	5.22	5.27	5.25	5.26	5.27			
Specific Conductivity (µS/cm)	53.7	89.4	93.7	91.4	92.3	91.6			
Water Temperature (°C)	20.5	20.9	21.2	21.5	21.5	21.6			
Dissolved Oxygen (mg/L)	2.23	2.21	2.22	2.17	2.20	2.19			
Turbidity (NTU)	30.16	54.16	135.4	119.3	92.15	83.77			
Sampling Data									
Sampled By:	P.Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	11:25	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	10.00
Notes:									
No Odor									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P. Wylie, J. Phillips, C. Phillips, C. Hansen		
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85		

Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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.):	2.12-12.2	Total Well Depth (TWD) (ft.):	12.12
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	6.68	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	5.44	1 casing volume (CV = LWC x C) (gals.):	0.89	5 casing volumes (5 x CV) (gals.):	4.43

Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	0.89	1.77	2.66	3.55	4.43		
Time (military)	10:16							
PH (s.u.)	5.75							
Specific Conductivity (µS/cm)	50.7							
Water Temperature (°C)	18.3							
Dissolved Oxygen (mg/L)	3.07							
Turbidity (NTU)	28.17							

Sampling Data									
Sampled By:	P. Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	11:03	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00

Notes:

No Odor

No Purge Sample Collected

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P. Wylie, J. Phillips, C. Phillips, C. Hansen				
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85				
Quality Assurance											
Meter Name		Serial #:		Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)		15H101448		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)		12G102878		Y or N	Y						
MicroTPI/TPW (Turbidity)		201301183		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-20	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.):				4.5-14.5		Total Well Depth (TWD) (ft.):		14.5	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):				NL		Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	#VALUE!	1 casing volume (CV = LWC x C) (gals.):				#VALUE!		5 casing volumes (5 x CV) (gals.):		#VALUE!	
Purging Data											
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling			
Volume Purged (gallons)	0.00	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!					
Time (military)	NL										
PH (s.u.)	NL										
Specific Conductivity (µS/cm)	NL										
Water Temperature (°C)	NL										
Dissolved Oxygen (mg/L)	NL										
Turbidity (NTU)	NL										
Sampling Data											
Sampled By:	P. Wylie, J. Phillips, C. Phillips, C. Hansen		Sampling Time:	NL	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00	
Notes: _____ NL= Not Located _____ Under pile of scrap _____ _____											

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C. Phillips, C. Hansen				
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85				
Quality Assurance											
Meter Name		Serial #:		Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)		15H101448		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)		12G102878		Y or N	Y						
MicroTPI/TPW (Turbidity)		201301183		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-21	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.):				2.75-12.75	Total Well Depth (TWD) (ft.):		12.75		
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):				6.34	Free Product Thickness (ft.):		Not Detected		
Length of water column (LWC = TWD – DGW) (ft.):	6.41	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	4.18	5.22					
Time (military)	10:07										
PH (s.u.)	5.01										
Specific Conductivity (µS/cm)	113										
Water Temperature (°C)	18.4										
Dissolved Oxygen (mg/L)	1.40										
Turbidity (NTU)	36.13										
Sampling Data											
Sampled By:	P.Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	10:07	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00		
Notes:											
No Odor											
No Purge Sample Collected											

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C. Phillips, C. Hansen				
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85				
Quality Assurance											
Meter Name		Serial #:		Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)		15H101448		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)		12G102878		Y or N	Y						
MicroTPI/TPW (Turbidity)		201301183		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-22	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.):				5.09-15.09	Total Well Depth (TWD) (ft.):		15.09		
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):				7.54	Free Product Thickness (ft.):		Not Detected		
Length of water column (LWC = TWD – DGW) (ft.):	7.55	1 casing volume (CV = LWC x C) (gals.):				1.23	5 casing volumes (5 x CV) (gals.):		6.15		
Purging Data											
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling			
Volume Purged (gallons)	0.00	1.23	2.46	3.69	4.92	6.15					
Time (military)	10:59										
PH (s.u.)	5.83										
Specific Conductivity (µS/cm)	190.9										
Water Temperature (°C)	20.0										
Dissolved Oxygen (mg/L)	1.81										
Turbidity (NTU)	29.85										
Sampling Data											
Sampled By:	P.Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	10:59	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00		
Notes:											
No Odor											
No Purge Sample Collected											

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C. Phillips, C. Hansen		
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-22D	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.):		39.23-44.23		Total Well Depth (TWD) (ft.):		44.23	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):		10.26		Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	33.97	1 casing volume (CV = LWC x C) (gals.):		5.54		5 casing volumes (5 x CV) (gals.):		27.69	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	5.54	11.07	16.61	22.15	27.69			
Time (military)	11:05	11:11	11:16					11:40	
PH (s.u.)	5.63	5.57	5.51					5.53	
Specific Conductivity (µS/cm)	43.4	44.2	52.6					51.0	
Water Temperature (°C)	18.6	18.5	19.9					19.8	
Dissolved Oxygen (mg/L)	1.51	1.58	1.56					1.59	
Turbidity (NTU)	8.69	24.62	54.01					64.09	
Sampling Data									
Sampled By:	P.Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	10:59	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	16.50
Notes:									
No Odor									
Dry at 16.5 Gallons									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P. Wylie, J. Phillips, C. Phillips, C. Hansen		
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-23	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.):			5.57-15.57	Total Well Depth (TWD) (ft.):		15.57	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			6.79	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	8.78	1 casing volume (CV = LWC x C) (gals.):			1.43	5 casing volumes (5 x CV) (gals.):		7.16	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	1.43	2.86	4.29	5.72	7.16			
Time (military)	10:04								
PH (s.u.)	5.42								
Specific Conductivity (µS/cm)	77.6								
Water Temperature (°C)	18.5								
Dissolved Oxygen (mg/L)	3.25								
Turbidity (NTU)	29.34								
Sampling Data									
Sampled By:	P. Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	10:04	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
Notes:									
No Odor									
No Purge Sample Collected									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P. Wylie, J. Phillips, C. Phillips, C. Hansen		
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85		

Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-24	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.):	2.99-12.99	Total Well Depth (TWD) (ft.):	12.99
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	6.60	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	6.39	1 casing volume (CV = LWC x C) (gals.):	1.04	5 casing volumes (5 x CV) (gals.):	5.21

Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	1.04	2.08	3.12	4.17	5.21		
Time (military)	9:57							
PH (s.u.)	5.31							
Specific Conductivity (µS/cm)	56.0							
Water Temperature (°C)	18.5							
Dissolved Oxygen (mg/L)	3.25							
Turbidity (NTU)	29.34							

Sampling Data									
Sampled By:	P. Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	9:57	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00

Notes:

No Odor

No Purge Sample Collected

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C. Phillips, C. Hansen		
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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.):			3.16-13.16	Total Well Depth (TWD) (ft.):		13.16	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			7.32	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	5.84	1 casing volume (CV = LWC x C) (gals.):			0.95	5 casing volumes (5 x CV) (gals.):		4.76	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	0.95	1.90	2.86	3.81	4.76			
Time (military)	9:55								
PH (s.u.)	5.74								
Specific Conductivity (µS/cm)	73.5								
Water Temperature (°C)	19.3								
Dissolved Oxygen (mg/L)	3.71								
Turbidity (NTU)	21.42								
Sampling Data									
Sampled By:	P.Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	9:55	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
Notes:									
No Odor									
No Purge Sample Collected									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P. Wylie, J. Phillips, C. Phillips, C. Hansen		
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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-26	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.):			4.86-14.86	Total Well Depth (TWD) (ft.):		12.99	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			8.34	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	4.65	1 casing volume (CV = LWC x C) (gals.):			0.76	5 casing volumes (5 x CV) (gals.):		3.79	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	0.76	1.52	2.27	3.03	3.79			
Time (military)	9:58								
PH (s.u.)	5.09								
Specific Conductivity (µS/cm)	147.8								
Water Temperature (°C)	18.8								
Dissolved Oxygen (mg/L)	4.02								
Turbidity (NTU)	25.70								
Sampling Data									
Sampled By:	P. Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	9:58	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
Notes:									
No Odor									
No Purge Sample Collected									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C. Phillips, C. Hansen			
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85			
Quality Assurance										
Meter Name	Serial #:		Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448		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)	12G102878		Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183		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-27		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.):		5.05-15.05		Total Well Depth (TWD) (ft.):		15.05	
Depth to Free Product (DFP) (ft.):	ND		Depth to Groundwater (DGW) (ft.):		8.32		Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	6.73		1 casing volume (CV = LWC x C) (gals.):		1.10		5 casing volumes (5 x CV) (gals.):		5.48	
Purging Data										
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling		
Volume Purged (gallons)	0.00	1.10	2.19	3.29	4.39	5.48				
Time (military)	9:47									
PH (s.u.)	6.16									
Specific Conductivity (µS/cm)	25.1									
Water Temperature (°C)	19.5									
Dissolved Oxygen (mg/L)	1.92									
Turbidity (NTU)	12.82									
Sampling Data										
Sampled By:	P.Wylie, J. Phillips, C. Phillips, C. Hansen		Sampling Time:	9:47	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
Notes:										
No Odor										
No Purge Sample Collected										

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C. Phillips, C. Hansen		
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85		
Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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.):			2.97-12.97	Total Well Depth (TWD) (ft.):		12.97	
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):			NL	Free Product Thickness (ft.):		Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):	#VALUE!	1 casing volume (CV = LWC x C) (gals.):			#VALUE!	5 casing volumes (5 x CV) (gals.):		#VALUE!	
Purging Data									
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling	
Volume Purged (gallons)	0.00	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!			
Time (military)	NL								
PH (s.u.)	NL								
Specific Conductivity (µS/cm)	NL								
Water Temperature (°C)	NL								
Dissolved Oxygen (mg/L)	NL								
Turbidity (NTU)	NL								
Sampling Data									
Sampled By:	P.Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	NL	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
Notes:									
NL=Not Located									
Under Pile of used tires									

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P. Wylie, J. Phillips, C. Phillips, C. Hansen		
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85		

Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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:	TW-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.):	31-36	Total Well Depth (TWD) (ft.):	36
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	9.24	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	26.76	1 casing volume (CV = LWC x C) (gals.):	4.36	5 casing volumes (5 x CV) (gals.):	21.81

Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	4.36	8.72	13.09	17.45	21.81		
Time (military)	12:12	12:16	12:20	12:24	12:28	12:32		
PH (s.u.)	6.07	5.91	5.86	5.81	5.83	5.84		
Specific Conductivity (µS/cm)	39.8	39.1	40.2	41.6	42.0	41.5		
Water Temperature (°C)	20.7	21.5	22.1	22.5	22.2	22.3		
Dissolved Oxygen (mg/L)	5.27	5.25	5.21	5.19	5.19	5.21		
Turbidity (NTU)	18.11	37.0	59.09	114.2	101.0	95.53		

Sampling Data									
Sampled By:	P. Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	12:32	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	22.00

Notes:

No Odor

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date:	4/4/2017	Site ID #:	03538	Site Name:	Coastal Truck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C. Phillips, C. Hansen
County:	Florence	Project Manager:	Kyle Patterson	General Weather Conditions:	Clear	Ambient Air Temp (°F):	85

Quality Assurance									
Meter Name	Serial #:	Calibration:							
YSI Pro1030 (pH, Specific Conductivity, Temp.)	15H101448	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)	12G102878	Y or N	Y						
MicroTPI/TPW (Turbidity)	201301183	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:	TW-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.):	31-36	Total Well Depth (TWD) (ft.):	36
Depth to Free Product (DFP) (ft.):	ND	Depth to Groundwater (DGW) (ft.):	7.21	Free Product Thickness (ft.):	Not Detected
Length of water column (LWC = TWD – DGW) (ft.):	28.79	1 casing volume (CV = LWC x C) (gals.):	4.69	5 casing volumes (5 x CV) (gals.):	23.46

Purging Data								
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.00	4.69	9.39	14.08	18.77	23.46		
Time (military)	11:43	11:48	11:53	11:59	12:04	12:09		
PH (s.u.)	6.54	6.31	6.25	6.19	6.17	6.16		
Specific Conductivity (µS/cm)	39.1	37.8	37.1	36.9	36.1	36.6		
Water Temperature (°C)	18.6	19.3	19.9	20.3	20.1	20.0		
Dissolved Oxygen (mg/L)	6.08	6.16	5.98	6.27	6.24	6.23		
Turbidity (NTU)	24.13	58.14	63.47	89.14	73.09	69.71		

Sampling Data									
Sampled By:	P.Wylie, J. Phillips, C. Phillips, C. Hansen	Sampling Time:	12:09	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	24.00

Notes:

No Odor

April 12, 2017

Mr. Bryan Shane
Midlands Environmental
PO Box 854
Lexington, SC 29071

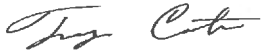
RE: Project: COASTAL TRUCK STOP 76 175929
Pace Project No.: 92335997

Dear Mr. Shane:

Enclosed are the analytical results for sample(s) received by the laboratory on April 05, 2017. 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
treycarter@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Mr. Jeff Coleman, Midlands Environmental
Mr. Kyle Pudney, Midlands Environmental



REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kinney Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: COASTAL TRUCK STOP 76 175929
Pace Project No.: 92335997

Charlotte Certification IDs

9800 Kinney 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

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SAMPLE SUMMARY

Project: COASTAL TRUCK STOP 76 175929
Pace Project No.: 92335997

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92335997001	IGWA	Water	04/04/17 11:46	04/05/17 13:09
92335997002	IGWA-R	Water	04/04/17 12:05	04/05/17 13:09
92335997003	MW-1	Water	04/04/17 12:36	04/05/17 13:09
92335997004	MW-2	Water	04/04/17 12:12	04/05/17 13:09
92335997005	MW-3	Water	04/04/17 11:47	04/05/17 13:09
92335997006	MW-4	Water	04/04/17 12:14	04/05/17 13:09
92335997007	MW-5	Water	04/04/17 11:27	04/05/17 13:09
92335997008	MW-6	Water	04/04/17 09:51	04/05/17 13:09
92335997009	MW-8	Water	04/04/17 11:58	04/05/17 13:09
92335997010	MW-11	Water	04/04/17 09:56	04/05/17 13:09
92335997011	MW-14	Water	04/04/17 10:40	04/05/17 13:09
92335997012	MW-15	Water	04/04/17 10:31	04/05/17 13:09
92335997013	MW-16	Water	04/04/17 10:48	04/05/17 13:09
92335997014	MW-17	Water	04/04/17 11:03	04/05/17 13:09
92335997015	MW-18	Water	04/04/17 11:25	04/05/17 13:09
92335997016	MW-19	Water	04/04/17 10:16	04/05/17 13:09
92335997017	MW-21	Water	04/04/17 10:07	04/05/17 13:09
92335997018	MW-22	Water	04/04/17 10:59	04/05/17 13:09
92335997019	MW-22D	Water	04/04/17 11:40	04/05/17 13:09
92335997020	MW-23	Water	04/04/17 10:04	04/05/17 13:09
92335997021	MW-24	Water	04/04/17 09:57	04/05/17 13:09
92335997022	MW-25	Water	04/04/17 09:55	04/05/17 13:09
92335997023	MW-26	Water	04/04/17 09:58	04/05/17 13:09
92335997024	MW-27	Water	04/04/17 09:47	04/05/17 13:09
92335997025	TW-1	Water	04/04/17 12:32	04/05/17 13:09
92335997026	TW-2	Water	04/04/17 12:09	04/05/17 13:09
92335997027	DUPLICATE 1	Water	04/04/17 11:47	04/05/17 13:09
92335997028	DUPLICATE 2	Water	04/04/17 12:06	04/05/17 13:09
92335997029	FIELD BLANK	Water	04/04/17 12:40	04/05/17 13:09
92335997030	TRIP BLANK	Water	04/04/17 12:42	04/05/17 13:09

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SAMPLE ANALYTE COUNT

Project: COASTAL TRUCK STOP 76 175929
Pace Project No.: 92335997

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92335997001	IGWA	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
92335997002	IGWA-R	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92335997003	MW-1	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92335997004	MW-2	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92335997005	MW-3	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92335997006	MW-4	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
92335997007	MW-5	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92335997008	MW-6	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
92335997009	MW-8	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92335997010	MW-11	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92335997011	MW-14	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92335997012	MW-15	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92335997013	MW-16	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
92335997014	MW-17	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
92335997015	MW-18	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
92335997016	MW-19	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
92335997017	MW-21	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
92335997018	MW-22	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
92335997019	MW-22D	EPA 8011	HSK	2	PASI-C

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SAMPLE ANALYTE COUNT

Project: COASTAL TRUCK STOP 76 175929
Pace Project No.: 92335997

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92335997020	MW-23	EPA 8260	CAH	20	PASI-C
		EPA 8011	HSK	2	PASI-C
92335997021	MW-24	EPA 8260	CAH	20	PASI-C
		EPA 8011	HSK	2	PASI-C
92335997022	MW-25	EPA 8260	CAH	20	PASI-C
		EPA 8011	HSK	2	PASI-C
92335997023	MW-26	EPA 8260	CAH	20	PASI-C
		EPA 8011	HSK	2	PASI-C
92335997024	MW-27	EPA 8260	CAH	20	PASI-C
		EPA 8011	HSK	2	PASI-C
92335997025	TW-1	EPA 8260	CAH	20	PASI-C
		EPA 8011	HSK	2	PASI-C
92335997026	TW-2	EPA 8260	CAH	20	PASI-C
		EPA 8011	HSK	2	PASI-C
92335997027	DUPLICATE 1	EPA 8260	CAH	20	PASI-C
		EPA 8011	HSK	2	PASI-C
92335997028	DUPLICATE 2	EPA 8260	CAH	20	PASI-C
		EPA 8011	HSK	2	PASI-C
92335997029	FIELD BLANK	EPA 8260	GAW	20	PASI-C
		EPA 8011	HSK	2	PASI-C
92335997030	TRIP BLANK	EPA 8260	CAH	20	PASI-C
		EPA 8260	CAH	20	PASI-C

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Sample: IGWA		Lab ID: 92335997001		Collected: 04/04/17 11:46		Received: 04/05/17 13:09		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)	0.51	ug/L	0.019	0.019	1	04/10/17 14:36	04/11/17 03:05	106-93-4	M1
Surrogates									
1-Chloro-2-bromopropane (S)	114	%	60-140		1	04/10/17 14:36	04/11/17 03:05	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	2500	1920	25		04/08/17 02:37	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	85.0	25		04/08/17 02:37	994-05-8	
Benzene	533	ug/L	125	42.5	25		04/08/17 02:37	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	802	25		04/08/17 02:37	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	1440	25		04/08/17 02:37	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	182	25		04/08/17 02:37	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	45.0	25		04/08/17 02:37	107-06-2	
Diisopropyl ether	ND	ug/L	125	42.5	25		04/08/17 02:37	108-20-3	
Ethanol	ND	ug/L	5000	3280	25		04/08/17 02:37	64-17-5	
Ethylbenzene	895	ug/L	125	40.0	25		04/08/17 02:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	90.0	25		04/08/17 02:37	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	125	42.5	25		04/08/17 02:37	1634-04-4	
Naphthalene	358	ug/L	125	50.0	25		04/08/17 02:37	91-20-3	
Toluene	4630	ug/L	125	40.0	25		04/08/17 02:37	108-88-3	
Xylene (Total)	9090	ug/L	250	67.5	25		04/08/17 02:37	1330-20-7	
m&p-Xylene	5700	ug/L	250	77.5	25		04/08/17 02:37	179601-23-1	
o-Xylene	3400	ug/L	125	40.0	25		04/08/17 02:37	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		25		04/08/17 02:37	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		25		04/08/17 02:37	17060-07-0	
Toluene-d8 (S)	100	%	70-130		25		04/08/17 02:37	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Sample: IGWA-R		Lab ID: 92335997002		Collected: 04/04/17 12:05		Received: 04/05/17 13:09		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)	0.93	ug/L	0.020	0.020	1	04/10/17 14:36	04/11/17 04:04	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	110	%	60-140		1	04/10/17 14:36	04/11/17 04:04	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	5000	3840	50		04/10/17 18:49	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	170	50		04/10/17 18:49	994-05-8	
Benzene	906	ug/L	250	85.0	50		04/10/17 18:49	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	1600	50		04/10/17 18:49	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	2880	50		04/10/17 18:49	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	365	50		04/10/17 18:49	762-75-4	
1,2-Dichloroethane	ND	ug/L	250	90.0	50		04/10/17 18:49	107-06-2	
Diisopropyl ether	ND	ug/L	250	85.0	50		04/10/17 18:49	108-20-3	
Ethanol	ND	ug/L	10000	6550	50		04/10/17 18:49	64-17-5	L2
Ethylbenzene	2260	ug/L	250	80.0	50		04/10/17 18:49	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	180	50		04/10/17 18:49	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	250	85.0	50		04/10/17 18:49	1634-04-4	
Naphthalene	623	ug/L	250	100	50		04/10/17 18:49	91-20-3	
Toluene	6540	ug/L	250	80.0	50		04/10/17 18:49	108-88-3	
Xylene (Total)	8480	ug/L	500	135	50		04/10/17 18:49	1330-20-7	
m&p-Xylene	6170	ug/L	500	155	50		04/10/17 18:49	179601-23-1	
o-Xylene	2310	ug/L	250	80.0	50		04/10/17 18:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		50		04/10/17 18:49	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		50		04/10/17 18:49	17060-07-0	
Toluene-d8 (S)	100	%	70-130		50		04/10/17 18:49	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929
Pace Project No.: 92335997

Sample: MW-1		Lab ID: 92335997003		Collected: 04/04/17 12:36		Received: 04/05/17 13:09		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)	20.2	ug/L	0.99	0.99	50	04/10/17 14:36	04/11/17 13:03	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		50	04/10/17 14:36	04/11/17 13:03	301-79-56	S4
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	20000	15400	200		04/10/17 19:23	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	680	200		04/10/17 19:23	994-05-8	
Benzene	13900	ug/L	1000	340	200		04/10/17 19:23	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	6420	200		04/10/17 19:23	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	11500	200		04/10/17 19:23	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	1460	200		04/10/17 19:23	762-75-4	
1,2-Dichloroethane	ND	ug/L	1000	360	200		04/10/17 19:23	107-06-2	
Diisopropyl ether	ND	ug/L	1000	340	200		04/10/17 19:23	108-20-3	
Ethanol	ND	ug/L	40000	26200	200		04/10/17 19:23	64-17-5	L2
Ethylbenzene	1070	ug/L	1000	320	200		04/10/17 19:23	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	720	200		04/10/17 19:23	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1000	340	200		04/10/17 19:23	1634-04-4	
Naphthalene	1000	ug/L	1000	400	200		04/10/17 19:23	91-20-3	
Toluene	25400	ug/L	1000	320	200		04/10/17 19:23	108-88-3	
Xylene (Total)	15700	ug/L	2000	540	200		04/10/17 19:23	1330-20-7	
m&p-Xylene	9960	ug/L	2000	620	200		04/10/17 19:23	179601-23-1	
o-Xylene	5720	ug/L	1000	320	200		04/10/17 19:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		200		04/10/17 19:23	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		200		04/10/17 19:23	17060-07-0	
Toluene-d8 (S)	101	%	70-130		200		04/10/17 19:23	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929
Pace Project No.: 92335997

Sample: MW-2		Lab ID: 92335997004		Collected: 04/04/17 12:12		Received: 04/05/17 13:09		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)	0.13	ug/L	0.020	0.020	1	04/10/17 14:36	04/11/17 05:04	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	98	%	60-140		1	04/10/17 14:36	04/11/17 05:04	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	259	ug/L	200	154	2		04/11/17 19:54	75-85-4	
tert-Amylmethyl ether	ND	ug/L	20.0	6.8	2		04/11/17 19:54	994-05-8	
Benzene	270	ug/L	10.0	3.4	2		04/11/17 19:54	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	200	64.2	2		04/11/17 19:54	624-95-3	
tert-Butyl Alcohol	ND	ug/L	200	115	2		04/11/17 19:54	75-65-0	
tert-Butyl Formate	ND	ug/L	100	14.6	2		04/11/17 19:54	762-75-4	
1,2-Dichloroethane	ND	ug/L	10.0	3.6	2		04/11/17 19:54	107-06-2	
Diisopropyl ether	ND	ug/L	10.0	3.4	2		04/11/17 19:54	108-20-3	
Ethanol	ND	ug/L	400	262	2		04/11/17 19:54	64-17-5	
Ethylbenzene	39.9	ug/L	10.0	3.2	2		04/11/17 19:54	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	20.0	7.2	2		04/11/17 19:54	637-92-3	
Methyl-tert-butyl ether	36.6	ug/L	10.0	3.4	2		04/11/17 19:54	1634-04-4	
Naphthalene	23.6	ug/L	10.0	4.0	2		04/11/17 19:54	91-20-3	
Toluene	21.3	ug/L	10.0	3.2	2		04/11/17 19:54	108-88-3	
Xylene (Total)	49.0	ug/L	20.0	5.4	2		04/11/17 19:54	1330-20-7	
m&p-Xylene	26.7	ug/L	20.0	6.2	2		04/11/17 19:54	179601-23-1	
o-Xylene	22.3	ug/L	10.0	3.2	2		04/11/17 19:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		2		04/11/17 19:54	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		2		04/11/17 19:54	17060-07-0	
Toluene-d8 (S)	103	%	70-130		2		04/11/17 19:54	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Sample: MW-3		Lab ID: 92335997005		Collected: 04/04/17 11:47		Received: 04/05/17 13:09		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)	0.97	ug/L	0.020	0.020	1	04/10/17 14:36	04/11/17 05:24	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	99	%	60-140		1	04/10/17 14:36	04/11/17 05:24	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	10000	7680	100		04/11/17 20:11	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	340	100		04/11/17 20:11	994-05-8	
Benzene	1580	ug/L	500	170	100		04/11/17 20:11	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	3210	100		04/11/17 20:11	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	5770	100		04/11/17 20:11	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	730	100		04/11/17 20:11	762-75-4	
1,2-Dichloroethane	ND	ug/L	500	180	100		04/11/17 20:11	107-06-2	
Diisopropyl ether	ND	ug/L	500	170	100		04/11/17 20:11	108-20-3	
Ethanol	ND	ug/L	20000	13100	100		04/11/17 20:11	64-17-5	
Ethylbenzene	1810	ug/L	500	160	100		04/11/17 20:11	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	360	100		04/11/17 20:11	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	500	170	100		04/11/17 20:11	1634-04-4	
Naphthalene	810	ug/L	500	200	100		04/11/17 20:11	91-20-3	
Toluene	10900	ug/L	500	160	100		04/11/17 20:11	108-88-3	
Xylene (Total)	12000	ug/L	1000	270	100		04/11/17 20:11	1330-20-7	
m&p-Xylene	8180	ug/L	1000	310	100		04/11/17 20:11	179601-23-1	
o-Xylene	3800	ug/L	500	160	100		04/11/17 20:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		100		04/11/17 20:11	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		100		04/11/17 20:11	17060-07-0	
Toluene-d8 (S)	106	%	70-130		100		04/11/17 20:11	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Sample: MW-4		Lab ID: 92335997006		Collected: 04/04/17 12:14		Received: 04/05/17 13:09		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)	1.6	ug/L	0.040	0.040	2	04/10/17 14:36	04/11/17 13:23	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	115	%	60-140		2	04/10/17 14:36	04/11/17 13:23	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	2760	ug/L	2500	1920	25		04/08/17 03:46	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	85.0	25		04/08/17 03:46	994-05-8	
Benzene	2210	ug/L	125	42.5	25		04/08/17 03:46	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	802	25		04/08/17 03:46	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	1440	25		04/08/17 03:46	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	182	25		04/08/17 03:46	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	45.0	25		04/08/17 03:46	107-06-2	
Diisopropyl ether	ND	ug/L	125	42.5	25		04/08/17 03:46	108-20-3	
Ethanol	ND	ug/L	5000	3280	25		04/08/17 03:46	64-17-5	
Ethylbenzene	703	ug/L	125	40.0	25		04/08/17 03:46	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	90.0	25		04/08/17 03:46	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	125	42.5	25		04/08/17 03:46	1634-04-4	
Naphthalene	363	ug/L	125	50.0	25		04/08/17 03:46	91-20-3	
Toluene	3800	ug/L	125	40.0	25		04/08/17 03:46	108-88-3	
Xylene (Total)	5130	ug/L	250	67.5	25		04/08/17 03:46	1330-20-7	
m&p-Xylene	3100	ug/L	250	77.5	25		04/08/17 03:46	179601-23-1	
o-Xylene	2030	ug/L	125	40.0	25		04/08/17 03:46	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		25		04/08/17 03:46	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		25		04/08/17 03:46	17060-07-0	
Toluene-d8 (S)	83	%	70-130		25		04/08/17 03:46	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929
Pace Project No.: 92335997

Sample: MW-5		Lab ID: 92335997007		Collected: 04/04/17 11:27		Received: 04/05/17 13:09		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	04/10/17 14:36	04/11/17 06:04	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	121	%	60-140		1	04/10/17 14:36	04/11/17 06:04	301-79-56	
8260 MSV									
			Analytical Method: EPA 8260						
tert-Amyl Alcohol	ND	ug/L	1000	768	10		04/11/17 20:27	75-85-4	
tert-Amylmethyl ether	ND	ug/L	100	34.0	10		04/11/17 20:27	994-05-8	
Benzene	101	ug/L	50.0	17.0	10		04/11/17 20:27	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1000	321	10		04/11/17 20:27	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1000	577	10		04/11/17 20:27	75-65-0	
tert-Butyl Formate	ND	ug/L	500	73.0	10		04/11/17 20:27	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	18.0	10		04/11/17 20:27	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	17.0	10		04/11/17 20:27	108-20-3	
Ethanol	ND	ug/L	2000	1310	10		04/11/17 20:27	64-17-5	
Ethylbenzene	1020	ug/L	50.0	16.0	10		04/11/17 20:27	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	100	36.0	10		04/11/17 20:27	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	50.0	17.0	10		04/11/17 20:27	1634-04-4	
Naphthalene	427	ug/L	50.0	20.0	10		04/11/17 20:27	91-20-3	
Toluene	424	ug/L	50.0	16.0	10		04/11/17 20:27	108-88-3	
Xylene (Total)	2940	ug/L	100	27.0	10		04/11/17 20:27	1330-20-7	
m&p-Xylene	2240	ug/L	100	31.0	10		04/11/17 20:27	179601-23-1	
o-Xylene	706	ug/L	50.0	16.0	10		04/11/17 20:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		10		04/11/17 20:27	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130		10		04/11/17 20:27	17060-07-0	
Toluene-d8 (S)	109	%	70-130		10		04/11/17 20:27	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Sample: MW-6		Lab ID: 92335997008		Collected: 04/04/17 09:51		Received: 04/05/17 13:09		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	04/10/17 14:36	04/11/17 06:23	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	100	%	60-140		1	04/10/17 14:36	04/11/17 06:23	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/08/17 04:37	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/08/17 04:37	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/08/17 04:37	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/08/17 04:37	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 04:37	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/08/17 04:37	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/08/17 04:37	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/08/17 04:37	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/08/17 04:37	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/08/17 04:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/08/17 04:37	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/08/17 04:37	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/08/17 04:37	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/08/17 04:37	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 04:37	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 04:37	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 04:37	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/08/17 04:37	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	70-130		1		04/08/17 04:37	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/08/17 04:37	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929
Pace Project No.: 92335997

Sample: MW-8		Lab ID: 92335997009		Collected: 04/04/17 11:58		Received: 04/05/17 13:09		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	04/10/17 14:36	04/11/17 06:43	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	95	%	60-140		1	04/10/17 14:36	04/11/17 06:43	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/07/17 11:44	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/07/17 11:44	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/07/17 11:44	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/07/17 11:44	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/07/17 11:44	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/07/17 11:44	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/07/17 11:44	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/07/17 11:44	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/07/17 11:44	64-17-5	L1
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/07/17 11:44	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/07/17 11:44	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/07/17 11:44	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/07/17 11:44	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/07/17 11:44	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/07/17 11:44	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/07/17 11:44	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/07/17 11:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/07/17 11:44	460-00-4	
1,2-Dichloroethane-d4 (S)	83	%	70-130		1		04/07/17 11:44	17060-07-0	
Toluene-d8 (S)	107	%	70-130		1		04/07/17 11:44	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Sample: MW-11		Lab ID: 92335997010		Collected: 04/04/17 09:56		Received: 04/05/17 13:09		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	04/10/17 14:37	04/11/17 07:03	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	84	%	60-140		1	04/10/17 14:37	04/11/17 07:03	301-79-56	
8260 MSV									
			Analytical Method: EPA 8260						
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/07/17 12:02	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/07/17 12:02	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/07/17 12:02	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/07/17 12:02	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/07/17 12:02	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/07/17 12:02	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/07/17 12:02	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/07/17 12:02	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/07/17 12:02	64-17-5	L1
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/07/17 12:02	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/07/17 12:02	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/07/17 12:02	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/07/17 12:02	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/07/17 12:02	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/07/17 12:02	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/07/17 12:02	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/07/17 12:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/07/17 12:02	460-00-4	
1,2-Dichloroethane-d4 (S)	86	%	70-130		1		04/07/17 12:02	17060-07-0	
Toluene-d8 (S)	107	%	70-130		1		04/07/17 12:02	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Sample: MW-14		Lab ID: 92335997011		Collected: 04/04/17 10:40		Received: 04/05/17 13:09		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	04/10/17 14:37	04/11/17 07:23	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	98	%	60-140		1	04/10/17 14:37	04/11/17 07:23	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/07/17 12:19	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/07/17 12:19	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/07/17 12:19	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/07/17 12:19	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/07/17 12:19	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/07/17 12:19	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/07/17 12:19	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/07/17 12:19	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/07/17 12:19	64-17-5	L1
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/07/17 12:19	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/07/17 12:19	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/07/17 12:19	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/07/17 12:19	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/07/17 12:19	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/07/17 12:19	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/07/17 12:19	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/07/17 12:19	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		04/07/17 12:19	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		1		04/07/17 12:19	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		04/07/17 12:19	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Sample: MW-15		Lab ID: 92335997012		Collected: 04/04/17 10:31		Received: 04/05/17 13:09		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	04/10/17 14:37	04/11/17 07:43	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	105	%	60-140		1	04/10/17 14:37	04/11/17 07:43	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/07/17 12:38	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/07/17 12:38	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/07/17 12:38	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/07/17 12:38	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/07/17 12:38	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/07/17 12:38	762-75-4	M1
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/07/17 12:38	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/07/17 12:38	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/07/17 12:38	64-17-5	L1
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/07/17 12:38	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/07/17 12:38	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/07/17 12:38	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/07/17 12:38	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/07/17 12:38	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/07/17 12:38	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/07/17 12:38	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/07/17 12:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		04/07/17 12:38	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		1		04/07/17 12:38	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		04/07/17 12:38	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929
Pace Project No.: 92335997

Sample: MW-16		Lab ID: 92335997013		Collected: 04/04/17 10:48		Received: 04/05/17 13:09		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	04/10/17 14:37	04/11/17 08:03	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	81	%	60-140		1	04/10/17 14:37	04/11/17 08:03	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/08/17 04:54	75-85-4	M1
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/08/17 04:54	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/08/17 04:54	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/08/17 04:54	624-95-3	M1
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 04:54	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/08/17 04:54	762-75-4	M1
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/08/17 04:54	107-06-2	M1
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/08/17 04:54	108-20-3	M1
Ethanol	ND	ug/L	200	131	1		04/08/17 04:54	64-17-5	M1
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/08/17 04:54	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/08/17 04:54	637-92-3	M1
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/08/17 04:54	1634-04-4	M1
Naphthalene	ND	ug/L	5.0	2.0	1		04/08/17 04:54	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/08/17 04:54	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 04:54	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 04:54	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 04:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/08/17 04:54	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		1		04/08/17 04:54	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/08/17 04:54	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Sample: MW-17		Lab ID: 92335997014		Collected: 04/04/17 11:03		Received: 04/05/17 13:09		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	0.019	0.019	1	04/10/17 14:37	04/11/17 08:22	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	100	%	60-140		1	04/10/17 14:37	04/11/17 08:22	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	96.7J	ug/L	100	76.8	1		04/08/17 05:12	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/08/17 05:12	994-05-8	
Benzene	91.4	ug/L	5.0	1.7	1		04/08/17 05:12	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/08/17 05:12	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 05:12	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/08/17 05:12	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/08/17 05:12	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/08/17 05:12	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/08/17 05:12	64-17-5	
Ethylbenzene	17.3	ug/L	5.0	1.6	1		04/08/17 05:12	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/08/17 05:12	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/08/17 05:12	1634-04-4	
Naphthalene	22.8	ug/L	5.0	2.0	1		04/08/17 05:12	91-20-3	
Toluene	11.9	ug/L	5.0	1.6	1		04/08/17 05:12	108-88-3	
Xylene (Total)	131	ug/L	10.0	2.7	1		04/08/17 05:12	1330-20-7	
m&p-Xylene	84.1	ug/L	10.0	3.1	1		04/08/17 05:12	179601-23-1	
o-Xylene	47.3	ug/L	5.0	1.6	1		04/08/17 05:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/08/17 05:12	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		1		04/08/17 05:12	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		04/08/17 05:12	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929
Project No.: 92335997

Sample: MW-18		Lab ID: 92335997015		Collected: 04/04/17 11:25		Received: 04/05/17 13:09		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	04/10/17 14:37	04/11/17 08:42	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	105	%	60-140		1	04/10/17 14:37	04/11/17 08:42	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/08/17 06:03	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/08/17 06:03	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/08/17 06:03	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/08/17 06:03	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 06:03	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/08/17 06:03	762-75-4	M1
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/08/17 06:03	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/08/17 06:03	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/08/17 06:03	64-17-5	M1
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/08/17 06:03	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/08/17 06:03	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/08/17 06:03	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/08/17 06:03	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/08/17 06:03	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 06:03	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 06:03	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 06:03	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/08/17 06:03	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		1		04/08/17 06:03	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/08/17 06:03	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Sample: MW-19		Lab ID: 92335997016		Collected: 04/04/17 10:16		Received: 04/05/17 13:09		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	04/10/17 14:37	04/11/17 09:02	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	67	%	60-140		1	04/10/17 14:37	04/11/17 09:02	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/08/17 06:20	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/08/17 06:20	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/08/17 06:20	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/08/17 06:20	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 06:20	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/08/17 06:20	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/08/17 06:20	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/08/17 06:20	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/08/17 06:20	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/08/17 06:20	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/08/17 06:20	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/08/17 06:20	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/08/17 06:20	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/08/17 06:20	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 06:20	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 06:20	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 06:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/08/17 06:20	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		1		04/08/17 06:20	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/08/17 06:20	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Sample: MW-21		Lab ID: 92335997017		Collected: 04/04/17 10:07		Received: 04/05/17 13:09		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	04/10/17 14:37	04/11/17 09:22	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	82	%	60-140		1	04/10/17 14:37	04/11/17 09:22	301-79-56	
8260 MSV Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/08/17 06:37	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/08/17 06:37	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/08/17 06:37	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/08/17 06:37	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 06:37	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/08/17 06:37	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/08/17 06:37	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/08/17 06:37	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/08/17 06:37	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/08/17 06:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/08/17 06:37	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/08/17 06:37	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/08/17 06:37	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/08/17 06:37	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 06:37	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 06:37	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 06:37	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/08/17 06:37	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		1		04/08/17 06:37	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/08/17 06:37	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Sample: MW-22 Lab ID: 92335997018 Collected: 04/04/17 10:59 Received: 04/05/17 13:09 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	04/10/17 14:37	04/11/17 09:42	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	92	%	60-140		1	04/10/17 14:37	04/11/17 09:42	301-79-56	
8260 MSV Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/08/17 06:54	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/08/17 06:54	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/08/17 06:54	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/08/17 06:54	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 06:54	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/08/17 06:54	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/08/17 06:54	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/08/17 06:54	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/08/17 06:54	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/08/17 06:54	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/08/17 06:54	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/08/17 06:54	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/08/17 06:54	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/08/17 06:54	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 06:54	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 06:54	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 06:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/08/17 06:54	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		1		04/08/17 06:54	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/08/17 06:54	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929
Pace Project No.: 92335997

Sample: MW-22D		Lab ID: 92335997019		Collected: 04/04/17 11:40		Received: 04/05/17 13:09		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	04/10/17 15:04	04/10/17 17:46	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	106	%	60-140		1	04/10/17 15:04	04/10/17 17:46	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/08/17 07:12	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/08/17 07:12	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/08/17 07:12	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/08/17 07:12	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 07:12	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/08/17 07:12	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/08/17 07:12	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/08/17 07:12	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/08/17 07:12	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/08/17 07:12	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/08/17 07:12	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/08/17 07:12	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/08/17 07:12	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/08/17 07:12	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 07:12	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 07:12	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 07:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/08/17 07:12	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		1		04/08/17 07:12	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/08/17 07:12	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Sample: MW-23		Lab ID: 92335997020		Collected: 04/04/17 10:04		Received: 04/05/17 13:09		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	04/10/17 15:04	04/10/17 18:05	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	97	%	60-140		1	04/10/17 15:04	04/10/17 18:05	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/08/17 07:29	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/08/17 07:29	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/08/17 07:29	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/08/17 07:29	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 07:29	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/08/17 07:29	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/08/17 07:29	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/08/17 07:29	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/08/17 07:29	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/08/17 07:29	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/08/17 07:29	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/08/17 07:29	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/08/17 07:29	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/08/17 07:29	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 07:29	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 07:29	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 07:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/08/17 07:29	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		1		04/08/17 07:29	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/08/17 07:29	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Sample: MW-24		Lab ID: 92335997021		Collected: 04/04/17 09:57		Received: 04/05/17 13:09		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	04/10/17 15:04	04/10/17 18:24	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	109	%	60-140		1	04/10/17 15:04	04/10/17 18:24	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/08/17 07:46	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/08/17 07:46	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/08/17 07:46	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/08/17 07:46	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 07:46	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/08/17 07:46	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/08/17 07:46	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/08/17 07:46	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/08/17 07:46	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/08/17 07:46	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/08/17 07:46	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/08/17 07:46	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/08/17 07:46	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/08/17 07:46	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 07:46	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 07:46	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 07:46	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/08/17 07:46	460-00-4	
1,2-Dichloroethane-d4 (S)	86	%	70-130		1		04/08/17 07:46	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/08/17 07:46	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Sample: MW-25		Lab ID: 92335997022		Collected: 04/04/17 09:55		Received: 04/05/17 13:09		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	04/10/17 15:04	04/10/17 19:21	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	91	%	60-140		1	04/10/17 15:04	04/10/17 19:21	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/08/17 08:03	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/08/17 08:03	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/08/17 08:03	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/08/17 08:03	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 08:03	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/08/17 08:03	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/08/17 08:03	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/08/17 08:03	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/08/17 08:03	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/08/17 08:03	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/08/17 08:03	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/08/17 08:03	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/08/17 08:03	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/08/17 08:03	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 08:03	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 08:03	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 08:03	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/08/17 08:03	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		1		04/08/17 08:03	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		04/08/17 08:03	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Sample: MW-26		Lab ID: 92335997023		Collected: 04/04/17 09:58		Received: 04/05/17 13:09		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	04/10/17 15:04	04/10/17 19:41	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	100	%	60-140		1	04/10/17 15:04	04/10/17 19:41	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/08/17 08:20	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/08/17 08:20	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/08/17 08:20	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/08/17 08:20	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 08:20	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/08/17 08:20	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/08/17 08:20	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/08/17 08:20	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/08/17 08:20	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/08/17 08:20	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/08/17 08:20	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/08/17 08:20	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/08/17 08:20	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/08/17 08:20	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 08:20	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 08:20	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 08:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/08/17 08:20	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		1		04/08/17 08:20	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/08/17 08:20	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Sample: MW-27		Lab ID: 92335997024		Collected: 04/04/17 09:47		Received: 04/05/17 13:09		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	04/10/17 15:04	04/10/17 20:00	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	108	%	60-140		1	04/10/17 15:04	04/10/17 20:00	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/08/17 08:37	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/08/17 08:37	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/08/17 08:37	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/08/17 08:37	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 08:37	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/08/17 08:37	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/08/17 08:37	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/08/17 08:37	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/08/17 08:37	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/08/17 08:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/08/17 08:37	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/08/17 08:37	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/08/17 08:37	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/08/17 08:37	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 08:37	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 08:37	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 08:37	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/08/17 08:37	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		1		04/08/17 08:37	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/08/17 08:37	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Sample: TW-1		Lab ID: 92335997025		Collected: 04/04/17 12:32		Received: 04/05/17 13:09		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	04/10/17 15:04	04/10/17 20:19	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	99	%	60-140		1	04/10/17 15:04	04/10/17 20:19	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/08/17 08:55	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/08/17 08:55	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/08/17 08:55	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/08/17 08:55	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 08:55	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/08/17 08:55	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/08/17 08:55	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/08/17 08:55	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/08/17 08:55	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/08/17 08:55	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/08/17 08:55	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/08/17 08:55	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/08/17 08:55	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/08/17 08:55	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 08:55	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 08:55	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 08:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/08/17 08:55	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		1		04/08/17 08:55	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/08/17 08:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Sample: TW-2		Lab ID: 92335997026		Collected: 04/04/17 12:09		Received: 04/05/17 13:09		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	04/10/17 15:05	04/10/17 20:57	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	101	%	60-140		1	04/10/17 15:05	04/10/17 20:57	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/08/17 09:12	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/08/17 09:12	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/08/17 09:12	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/08/17 09:12	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 09:12	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/08/17 09:12	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/08/17 09:12	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/08/17 09:12	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/08/17 09:12	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/08/17 09:12	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/08/17 09:12	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/08/17 09:12	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/08/17 09:12	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/08/17 09:12	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 09:12	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 09:12	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 09:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/08/17 09:12	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		1		04/08/17 09:12	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/08/17 09:12	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Sample: DUPLICATE 1		Lab ID: 92335997027		Collected: 04/04/17 11:47		Received: 04/05/17 13:09		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)	0.49	ug/L	0.020	0.020	1	04/10/17 15:05	04/10/17 21:16	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	107	%	60-140		1	04/10/17 15:05	04/10/17 21:16	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	2500	1920	25		04/08/17 09:29	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	85.0	25		04/08/17 09:29	994-05-8	
Benzene	528	ug/L	125	42.5	25		04/08/17 09:29	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	802	25		04/08/17 09:29	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	1440	25		04/08/17 09:29	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	182	25		04/08/17 09:29	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	45.0	25		04/08/17 09:29	107-06-2	
Diisopropyl ether	ND	ug/L	125	42.5	25		04/08/17 09:29	108-20-3	
Ethanol	ND	ug/L	5000	3280	25		04/08/17 09:29	64-17-5	
Ethylbenzene	901	ug/L	125	40.0	25		04/08/17 09:29	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	90.0	25		04/08/17 09:29	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	125	42.5	25		04/08/17 09:29	1634-04-4	
Naphthalene	350	ug/L	125	50.0	25		04/08/17 09:29	91-20-3	
Toluene	4590	ug/L	125	40.0	25		04/08/17 09:29	108-88-3	
Xylene (Total)	9120	ug/L	250	67.5	25		04/08/17 09:29	1330-20-7	
m&p-Xylene	5690	ug/L	250	77.5	25		04/08/17 09:29	179601-23-1	
o-Xylene	3430	ug/L	125	40.0	25		04/08/17 09:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		25		04/08/17 09:29	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		25		04/08/17 09:29	17060-07-0	
Toluene-d8 (S)	99	%	70-130		25		04/08/17 09:29	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Sample: DUPLICATE 2		Lab ID: 92335997028		Collected: 04/04/17 12:06		Received: 04/05/17 13:09		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)	0.70	ug/L	0.020	0.020	1	04/10/17 15:05	04/10/17 21:36	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	96	%	60-140		1	04/10/17 15:05	04/10/17 21:36	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	5000	3840	50		04/10/17 18:15	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	170	50		04/10/17 18:15	994-05-8	
Benzene	898	ug/L	250	85.0	50		04/10/17 18:15	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	1600	50		04/10/17 18:15	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	2880	50		04/10/17 18:15	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	365	50		04/10/17 18:15	762-75-4	
1,2-Dichloroethane	ND	ug/L	250	90.0	50		04/10/17 18:15	107-06-2	
Diisopropyl ether	ND	ug/L	250	85.0	50		04/10/17 18:15	108-20-3	
Ethanol	ND	ug/L	10000	6550	50		04/10/17 18:15	64-17-5	L2
Ethylbenzene	2100	ug/L	250	80.0	50		04/10/17 18:15	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	180	50		04/10/17 18:15	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	250	85.0	50		04/10/17 18:15	1634-04-4	
Naphthalene	658	ug/L	250	100	50		04/10/17 18:15	91-20-3	
Toluene	7100	ug/L	250	80.0	50		04/10/17 18:15	108-88-3	
Xylene (Total)	6690	ug/L	500	135	50		04/10/17 18:15	1330-20-7	
m&p-Xylene	4880	ug/L	500	155	50		04/10/17 18:15	179601-23-1	
o-Xylene	1820	ug/L	250	80.0	50		04/10/17 18:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	70-130		50		04/10/17 18:15	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		50		04/10/17 18:15	17060-07-0	
Toluene-d8 (S)	109	%	70-130		50		04/10/17 18:15	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Sample: FIELD BLANK		Lab ID: 92335997029		Collected: 04/04/17 12:40		Received: 04/05/17 13:09		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	04/10/17 15:05	04/10/17 21:55	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	100	%	60-140		1	04/10/17 15:05	04/10/17 21:55	301-79-56	
8260 MSV Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/08/17 00:54	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/08/17 00:54	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/08/17 00:54	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/08/17 00:54	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 00:54	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/08/17 00:54	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/08/17 00:54	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/08/17 00:54	108-20-3	
Ethanol	168J	ug/L	200	131	1		04/08/17 00:54	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/08/17 00:54	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/08/17 00:54	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/08/17 00:54	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/08/17 00:54	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/08/17 00:54	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 00:54	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 00:54	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 00:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/08/17 00:54	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		1		04/08/17 00:54	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/08/17 00:54	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Sample: TRIP BLANK		Lab ID: 92335997030		Collected: 04/04/17 12:42		Received: 04/05/17 13:09		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		04/08/17 05:46	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/08/17 05:46	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/08/17 05:46	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/08/17 05:46	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 05:46	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/08/17 05:46	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/08/17 05:46	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/08/17 05:46	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/08/17 05:46	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/08/17 05:46	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/08/17 05:46	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/08/17 05:46	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/08/17 05:46	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/08/17 05:46	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 05:46	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 05:46	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 05:46	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/08/17 05:46	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		1		04/08/17 05:46	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/08/17 05:46	2037-26-5	

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QUALITY CONTROL DATA

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

QC Batch: 355669 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92335997009, 92335997010, 92335997011, 92335997012

METHOD BLANK: 1973198 Matrix: Water
Associated Lab Samples: 92335997009, 92335997010, 92335997011, 92335997012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1.8	04/07/17 02:35	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	04/07/17 02:35	
Benzene	ug/L	ND	5.0	1.7	04/07/17 02:35	
Diisopropyl ether	ug/L	ND	5.0	1.7	04/07/17 02:35	
Ethanol	ug/L	ND	200	131	04/07/17 02:35	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.6	04/07/17 02:35	
Ethylbenzene	ug/L	ND	5.0	1.6	04/07/17 02:35	
m&p-Xylene	ug/L	ND	10.0	3.1	04/07/17 02:35	
Methyl-tert-butyl ether	ug/L	ND	5.0	1.7	04/07/17 02:35	
Naphthalene	ug/L	ND	5.0	2.0	04/07/17 02:35	
o-Xylene	ug/L	ND	5.0	1.6	04/07/17 02:35	
tert-Amyl Alcohol	ug/L	ND	100	76.8	04/07/17 02:35	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	04/07/17 02:35	
tert-Butyl Alcohol	ug/L	ND	100	57.7	04/07/17 02:35	
tert-Butyl Formate	ug/L	ND	50.0	7.3	04/07/17 02:35	
Toluene	ug/L	ND	5.0	1.6	04/07/17 02:35	
Xylene (Total)	ug/L	ND	10.0	2.7	04/07/17 02:35	
1,2-Dichloroethane-d4 (S)	%	88	70-130		04/07/17 02:35	
4-Bromofluorobenzene (S)	%	94	70-130		04/07/17 02:35	
Toluene-d8 (S)	%	106	70-130		04/07/17 02:35	

LABORATORY CONTROL SAMPLE: 1973199

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	41.1	82	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1070	107	70-130	
Benzene	ug/L	50	47.8	96	70-130	
Diisopropyl ether	ug/L	50	40.8	82	70-130	
Ethanol	ug/L	2000	2920	146	70-130 L1	
Ethyl-tert-butyl ether	ug/L	100	83.5	84	70-130	
Ethylbenzene	ug/L	50	45.1	90	70-130	
m&p-Xylene	ug/L	100	83.5	83	70-130	
Methyl-tert-butyl ether	ug/L	50	44.2	88	70-130	
Naphthalene	ug/L	50	42.7	85	70-130	
o-Xylene	ug/L	50	42.5	85	70-130	
tert-Amyl Alcohol	ug/L	1000	1120	112	70-130	
tert-Amylmethyl ether	ug/L	100	85.4	85	70-130	
tert-Butyl Alcohol	ug/L	500	503	101	70-130	
tert-Butyl Formate	ug/L	400	334	84	70-130	
Toluene	ug/L	50	42.7	85	70-130	

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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QUALITY CONTROL DATA

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

LABORATORY CONTROL SAMPLE: 1973199

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	126	84	70-130	
1,2-Dichloroethane-d4 (S)	%			90	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			95	70-130	

MATRIX SPIKE SAMPLE: 1973201

Parameter	Units	92335997012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	20.8	104	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	391	98	70-130	
Benzene	ug/L	ND	20	23.3	117	70-130	
Diisopropyl ether	ug/L	ND	20	19.6	98	70-130	
Ethanol	ug/L	ND	800	928	116	70-130	
Ethyl-tert-butyl ether	ug/L	ND	40	39.3	98	70-130	
Ethylbenzene	ug/L	ND	20	21.5	108	70-130	
m&p-Xylene	ug/L	ND	40	40.6	102	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	20.5	102	70-130	
Naphthalene	ug/L	ND	20	21.0	105	70-130	
o-Xylene	ug/L	ND	20	20.1	101	70-130	
tert-Amyl Alcohol	ug/L	ND	400	386	97	70-130	
tert-Amylmethyl ether	ug/L	ND	40	37.7	94	70-130	
tert-Butyl Alcohol	ug/L	ND	200	208	103	70-130	
tert-Butyl Formate	ug/L	ND	160	103	65	70-130	M1,P5
Toluene	ug/L	ND	20	21.8	109	70-130	
1,2-Dichloroethane-d4 (S)	%				96	70-130	
4-Bromofluorobenzene (S)	%				95	70-130	
Toluene-d8 (S)	%				102	70-130	

SAMPLE DUPLICATE: 1973200

Parameter	Units	92335997011 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: COASTAL TRUCK STOP 76 175929
Pace Project No.: 92335997

SAMPLE DUPLICATE: 1973200

Parameter	Units	92335997011 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)	%	91	91	0		
4-Bromofluorobenzene (S)	%	92	94	2		
Toluene-d8 (S)	%	106	109	2		

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QUALITY CONTROL DATA

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

QC Batch: 355824 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92335997001, 92335997006, 92335997008, 92335997013, 92335997014, 92335997029

METHOD BLANK: 1973984

Matrix: Water

Associated Lab Samples: 92335997001, 92335997006, 92335997008, 92335997013, 92335997014, 92335997029

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1.8	04/07/17 23:46	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	04/07/17 23:46	
Benzene	ug/L	ND	5.0	1.7	04/07/17 23:46	
Diisopropyl ether	ug/L	ND	5.0	1.7	04/07/17 23:46	
Ethanol	ug/L	ND	200	131	04/07/17 23:46	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.6	04/07/17 23:46	
Ethylbenzene	ug/L	ND	5.0	1.6	04/07/17 23:46	
m&p-Xylene	ug/L	ND	10.0	3.1	04/07/17 23:46	
Methyl-tert-butyl ether	ug/L	ND	5.0	1.7	04/07/17 23:46	
Naphthalene	ug/L	ND	5.0	2.0	04/07/17 23:46	
o-Xylene	ug/L	ND	5.0	1.6	04/07/17 23:46	
tert-Amyl Alcohol	ug/L	ND	100	76.8	04/07/17 23:46	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	04/07/17 23:46	
tert-Butyl Alcohol	ug/L	ND	100	57.7	04/07/17 23:46	
tert-Butyl Formate	ug/L	ND	50.0	7.3	04/07/17 23:46	
Toluene	ug/L	ND	5.0	1.6	04/07/17 23:46	
Xylene (Total)	ug/L	ND	10.0	2.7	04/07/17 23:46	
1,2-Dichloroethane-d4 (S)	%	90	70-130		04/07/17 23:46	
4-Bromofluorobenzene (S)	%	103	70-130		04/07/17 23:46	
Toluene-d8 (S)	%	101	70-130		04/07/17 23:46	

LABORATORY CONTROL SAMPLE: 1973985

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	42.9	86	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1200	120	70-130	
Benzene	ug/L	50	51.5	103	70-130	
Diisopropyl ether	ug/L	50	41.5	83	70-130	
Ethanol	ug/L	2000	1930	96	70-130	
Ethyl-tert-butyl ether	ug/L	100	87.9	88	70-130	
Ethylbenzene	ug/L	50	50.7	101	70-130	
m&p-Xylene	ug/L	100	100	100	70-130	
Methyl-tert-butyl ether	ug/L	50	47.0	94	70-130	
Naphthalene	ug/L	50	54.0	108	70-130	
o-Xylene	ug/L	50	49.8	100	70-130	
tert-Amyl Alcohol	ug/L	1000	1100	110	70-130	
tert-Amylmethyl ether	ug/L	100	98.2	98	70-130	
tert-Butyl Alcohol	ug/L	500	534	107	70-130	
tert-Butyl Formate	ug/L	400	456	114	70-130	
Toluene	ug/L	50	51.1	102	70-130	

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QUALITY CONTROL DATA

Project: COASTAL TRUCK STOP 76 175929
Pace Project No.: 92335997

LABORATORY CONTROL SAMPLE: 1973985

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	150	100	70-130	
1,2-Dichloroethane-d4 (S)	%			91	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE SAMPLE: 1974920

Parameter	Units	92335997013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	12.9	64	70-130	M1
3,3-Dimethyl-1-Butanol	ug/L	ND	400	233	58	70-130	M1
Benzene	ug/L	ND	20	15.8	79	70-130	
Diisopropyl ether	ug/L	ND	20	11.5	58	70-130	M1
Ethanol	ug/L	ND	800	324	40	70-130	M1
Ethyl-tert-butyl ether	ug/L	ND	40	25.8	65	70-130	M1
Ethylbenzene	ug/L	ND	20	16.2	81	70-130	
m&p-Xylene	ug/L	ND	40	31.5	79	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	13.5	67	70-130	M1
Naphthalene	ug/L	ND	20	14.9	75	70-130	
o-Xylene	ug/L	ND	20	15.4	77	70-130	
tert-Amyl Alcohol	ug/L	ND	400	248	62	70-130	M1
tert-Amylmethyl ether	ug/L	ND	40	29.5	74	70-130	
tert-Butyl Alcohol	ug/L	ND	200	145	72	70-130	
tert-Butyl Formate	ug/L	ND	160	ND	1	70-130	M1,P5
Toluene	ug/L	ND	20	16.2	81	70-130	
1,2-Dichloroethane-d4 (S)	%				90	70-130	
4-Bromofluorobenzene (S)	%				104	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 1974921

Parameter	Units	92335997014 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	91.4	92.3	1	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	17.3	23.0	28	30	
m&p-Xylene	ug/L	84.1	99.2	17	30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	22.8	24.1	6	30	
o-Xylene	ug/L	47.3	54.1	13	30	
tert-Amyl Alcohol	ug/L	96.7J	84.2J		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

SAMPLE DUPLICATE: 1974921

Parameter	Units	92335997014 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	11.9	13.1	10	30	
Xylene (Total)	ug/L	131	153	15	30	
1,2-Dichloroethane-d4 (S)	%	91	93	3		
4-Bromofluorobenzene (S)	%	103	103	0		
Toluene-d8 (S)	%	99	99	0		

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QUALITY CONTROL DATA

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

QC Batch: 355825 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92335997015, 92335997016, 92335997017, 92335997018, 92335997019, 92335997020, 92335997021, 92335997022, 92335997023, 92335997024, 92335997025, 92335997026, 92335997027, 92335997030

METHOD BLANK: 1973987

Matrix: Water

Associated Lab Samples: 92335997015, 92335997016, 92335997017, 92335997018, 92335997019, 92335997020, 92335997021, 92335997022, 92335997023, 92335997024, 92335997025, 92335997026, 92335997027, 92335997030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1.8	04/08/17 00:03	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	04/08/17 00:03	
Benzene	ug/L	ND	5.0	1.7	04/08/17 00:03	
Diisopropyl ether	ug/L	ND	5.0	1.7	04/08/17 00:03	
Ethanol	ug/L	ND	200	131	04/08/17 00:03	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.6	04/08/17 00:03	
Ethylbenzene	ug/L	ND	5.0	1.6	04/08/17 00:03	
m&p-Xylene	ug/L	ND	10.0	3.1	04/08/17 00:03	
Methyl-tert-butyl ether	ug/L	ND	5.0	1.7	04/08/17 00:03	
Naphthalene	ug/L	ND	5.0	2.0	04/08/17 00:03	
o-Xylene	ug/L	ND	5.0	1.6	04/08/17 00:03	
tert-Amyl Alcohol	ug/L	ND	100	76.8	04/08/17 00:03	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	04/08/17 00:03	
tert-Butyl Alcohol	ug/L	ND	100	57.7	04/08/17 00:03	
tert-Butyl Formate	ug/L	ND	50.0	7.3	04/08/17 00:03	
Toluene	ug/L	ND	5.0	1.6	04/08/17 00:03	
Xylene (Total)	ug/L	ND	10.0	2.7	04/08/17 00:03	
1,2-Dichloroethane-d4 (S)	%	90	70-130		04/08/17 00:03	
4-Bromofluorobenzene (S)	%	102	70-130		04/08/17 00:03	
Toluene-d8 (S)	%	101	70-130		04/08/17 00:03	

LABORATORY CONTROL SAMPLE: 1973988

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	42.5	85	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1080	108	70-130	
Benzene	ug/L	50	53.0	106	70-130	
Diisopropyl ether	ug/L	50	42.0	84	70-130	
Ethanol	ug/L	2000	1740	87	70-130	
Ethyl-tert-butyl ether	ug/L	100	89.0	89	70-130	
Ethylbenzene	ug/L	50	52.1	104	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methyl-tert-butyl ether	ug/L	50	46.4	93	70-130	
Naphthalene	ug/L	50	51.0	102	70-130	
o-Xylene	ug/L	50	50.6	101	70-130	
tert-Amyl Alcohol	ug/L	1000	993	99	70-130	
tert-Amylmethyl ether	ug/L	100	98.1	98	70-130	
tert-Butyl Alcohol	ug/L	500	498	100	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COASTAL TRUCK STOP 76 175929
Pace Project No.: 92335997

LABORATORY CONTROL SAMPLE: 1973988

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Formate	ug/L	400	453	113	70-130	
Toluene	ug/L	50	52.5	105	70-130	
Xylene (Total)	ug/L	150	153	102	70-130	
1,2-Dichloroethane-d4 (S)	%			87	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 1974918

Parameter	Units	92335997015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	18.8	94	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	365	91	70-130	
Benzene	ug/L	ND	20	22.9	115	70-130	
Diisopropyl ether	ug/L	ND	20	16.9	84	70-130	
Ethanol	ug/L	ND	800	474	59	70-130	M1
Ethyl-tert-butyl ether	ug/L	ND	40	37.2	93	70-130	
Ethylbenzene	ug/L	ND	20	24.1	119	70-130	
m&p-Xylene	ug/L	ND	40	48.1	117	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	20.2	101	70-130	
Naphthalene	ug/L	ND	20	22.7	108	70-130	
o-Xylene	ug/L	ND	20	23.0	115	70-130	
tert-Amyl Alcohol	ug/L	ND	400	366	91	70-130	
tert-Amylmethyl ether	ug/L	ND	40	43.4	109	70-130	
tert-Butyl Alcohol	ug/L	ND	200	221	109	70-130	
tert-Butyl Formate	ug/L	ND	160	ND	1	70-130	M1,P5
Toluene	ug/L	ND	20	23.5	117	70-130	
1,2-Dichloroethane-d4 (S)	%				88	70-130	
4-Bromofluorobenzene (S)	%				106	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 1974919

Parameter	Units	92335997016 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: COASTAL TRUCK STOP 76 175929
Pace Project No.: 92335997

SAMPLE DUPLICATE: 1974919

Parameter	Units	92335997016 Result	Dup Result	RPD	Max RPD	Qualifiers
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)	%	90	91	1		
4-Bromofluorobenzene (S)	%	101	104	3		
Toluene-d8 (S)	%	102	100	1		

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QUALITY CONTROL DATA

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

QC Batch: 355986

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV SC

Associated Lab Samples: 92335997002, 92335997003, 92335997028

METHOD BLANK: 1974661

Matrix: Water

Associated Lab Samples: 92335997002, 92335997003, 92335997028

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1.8	04/10/17 12:24	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	04/10/17 12:24	
Benzene	ug/L	ND	5.0	1.7	04/10/17 12:24	
Diisopropyl ether	ug/L	ND	5.0	1.7	04/10/17 12:24	
Ethanol	ug/L	ND	200	131	04/10/17 12:24	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.6	04/10/17 12:24	
Ethylbenzene	ug/L	ND	5.0	1.6	04/10/17 12:24	
m&p-Xylene	ug/L	ND	10.0	3.1	04/10/17 12:24	
Methyl-tert-butyl ether	ug/L	ND	5.0	1.7	04/10/17 12:24	
Naphthalene	ug/L	ND	5.0	2.0	04/10/17 12:24	
o-Xylene	ug/L	ND	5.0	1.6	04/10/17 12:24	
tert-Amyl Alcohol	ug/L	ND	100	76.8	04/10/17 12:24	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	04/10/17 12:24	
tert-Butyl Alcohol	ug/L	ND	100	57.7	04/10/17 12:24	
tert-Butyl Formate	ug/L	ND	50.0	7.3	04/10/17 12:24	
Toluene	ug/L	ND	5.0	1.6	04/10/17 12:24	
Xylene (Total)	ug/L	ND	10.0	2.7	04/10/17 12:24	
1,2-Dichloroethane-d4 (S)	%	85	70-130		04/10/17 12:24	
4-Bromofluorobenzene (S)	%	100	70-130		04/10/17 12:24	
Toluene-d8 (S)	%	101	70-130		04/10/17 12:24	

LABORATORY CONTROL SAMPLE: 1974662

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	41.5	83	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	756	76	70-130	
Benzene	ug/L	50	49.2	98	70-130	
Diisopropyl ether	ug/L	50	38.0	76	70-130	
Ethanol	ug/L	2000	1030	51	70-130 L2	
Ethyl-tert-butyl ether	ug/L	100	84.5	84	70-130	
Ethylbenzene	ug/L	50	50.7	101	70-130	
m&p-Xylene	ug/L	100	100	100	70-130	
Methyl-tert-butyl ether	ug/L	50	43.4	87	70-130	
Naphthalene	ug/L	50	46.3	93	70-130	
o-Xylene	ug/L	50	50.0	100	70-130	
tert-Amyl Alcohol	ug/L	1000	774	77	70-130	
tert-Amylmethyl ether	ug/L	100	96.3	96	70-130	
tert-Butyl Alcohol	ug/L	500	361	72	70-130	
tert-Butyl Formate	ug/L	400	442	110	70-130	
Toluene	ug/L	50	49.9	100	70-130	

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QUALITY CONTROL DATA

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

LABORATORY CONTROL SAMPLE: 1974662

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	150	100	70-130	
1,2-Dichloroethane-d4 (S)	%			86	70-130	
4-Bromofluorobenzene (S)	%			105	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 1974664

Parameter	Units	92336163003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	200	185	93	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	4000	2940	73	70-130	
Benzene	ug/L	ND	200	241	114	70-130	
Diisopropyl ether	ug/L	ND	200	212	85	70-130	
Ethanol	ug/L	ND	8000	2780	35	70-130 M0	
Ethyl-tert-butyl ether	ug/L	ND	400	364	91	70-130	
Ethylbenzene	ug/L	ND	200	228	113	70-130	
m&p-Xylene	ug/L	ND	400	453	111	70-130	
Methyl-tert-butyl ether	ug/L	ND	200	244	99	70-130	
Naphthalene	ug/L	ND	200	189	94	70-130	
o-Xylene	ug/L	ND	200	226	110	70-130	
tert-Amyl Alcohol	ug/L	17500	4000	17800	8	70-130 M1	
tert-Amylmethyl ether	ug/L	ND	400	415	104	70-130	
tert-Butyl Alcohol	ug/L	3070	2000	4110	52	70-130 M1	
tert-Butyl Formate	ug/L	ND	1600	1080	68	70-130 M1,P5	
Toluene	ug/L	ND	200	242	113	70-130	
1,2-Dichloroethane-d4 (S)	%				88	70-130	
4-Bromofluorobenzene (S)	%				105	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 1976210

Parameter	Units	92336163015 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	65.5	56.6	15	30	
Diisopropyl ether	ug/L	82.3	89.3	8	30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	72.5	81.3	11	30	
m&p-Xylene	ug/L	153	206	29	30	
Methyl-tert-butyl ether	ug/L	55.8	55.7	0	30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	82.3	110	29	30	
tert-Amyl Alcohol	ug/L	19400	22500	15	30	
tert-Amylmethyl ether	ug/L	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

SAMPLE DUPLICATE: 1976210

Parameter	Units	92336163015 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Butyl Alcohol	ug/L	1890	2150	13	30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	43.0J		30	
Xylene (Total)	ug/L	236	317	29	30	
1,2-Dichloroethane-d4 (S)	%	92	100	9		
4-Bromofluorobenzene (S)	%	102	101	1		
Toluene-d8 (S)	%	100	97	3		

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QUALITY CONTROL DATA

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

QC Batch: 356218 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92335997004, 92335997005, 92335997007

METHOD BLANK: 1976234 Matrix: Water

Associated Lab Samples: 92335997004, 92335997005, 92335997007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1.8	04/11/17 12:09	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	04/11/17 12:09	
Benzene	ug/L	ND	5.0	1.7	04/11/17 12:09	
Diisopropyl ether	ug/L	ND	5.0	1.7	04/11/17 12:09	
Ethanol	ug/L	ND	200	131	04/11/17 12:09	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.6	04/11/17 12:09	
Ethylbenzene	ug/L	ND	5.0	1.6	04/11/17 12:09	
m&p-Xylene	ug/L	ND	10.0	3.1	04/11/17 12:09	
Methyl-tert-butyl ether	ug/L	ND	5.0	1.7	04/11/17 12:09	
Naphthalene	ug/L	ND	5.0	2.0	04/11/17 12:09	
o-Xylene	ug/L	ND	5.0	1.6	04/11/17 12:09	
tert-Amyl Alcohol	ug/L	ND	100	76.8	04/11/17 12:09	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	04/11/17 12:09	
tert-Butyl Alcohol	ug/L	ND	100	57.7	04/11/17 12:09	
tert-Butyl Formate	ug/L	ND	50.0	7.3	04/11/17 12:09	
Toluene	ug/L	ND	5.0	1.6	04/11/17 12:09	
Xylene (Total)	ug/L	ND	10.0	2.7	04/11/17 12:09	
1,2-Dichloroethane-d4 (S)	%	94	70-130		04/11/17 12:09	
4-Bromofluorobenzene (S)	%	104	70-130		04/11/17 12:09	
Toluene-d8 (S)	%	104	70-130		04/11/17 12:09	

LABORATORY CONTROL SAMPLE: 1976235

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	48.1	96	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1010	101	70-130	
Benzene	ug/L	50	53.7	107	70-130	
Diisopropyl ether	ug/L	50	49.7	99	70-130	
Ethanol	ug/L	2000	2260	113	70-130	
Ethyl-tert-butyl ether	ug/L	100	102	102	70-130	
Ethylbenzene	ug/L	50	50.9	102	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	52.6	105	70-130	
Naphthalene	ug/L	50	50.4	101	70-130	
o-Xylene	ug/L	50	50.0	100	70-130	
tert-Amyl Alcohol	ug/L	1000	1110	111	70-130	
tert-Amylmethyl ether	ug/L	100	107	107	70-130	
tert-Butyl Alcohol	ug/L	500	468	94	70-130	
tert-Butyl Formate	ug/L	400	403	101	70-130	
Toluene	ug/L	50	50.0	100	70-130	

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QUALITY CONTROL DATA

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

LABORATORY CONTROL SAMPLE: 1976235

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	152	102	70-130	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE SAMPLE: 1976237

Parameter	Units	92336693026 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	20.8	104	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	339	85	70-130	
Benzene	ug/L	ND	20	24.2	121	70-130	
Diisopropyl ether	ug/L	ND	20	18.5	92	70-130	
Ethanol	ug/L	ND	800	602	75	70-130	
Ethyl-tert-butyl ether	ug/L	ND	40	37.7	94	70-130	
Ethylbenzene	ug/L	ND	20	22.8	114	70-130	
m&p-Xylene	ug/L	ND	40	45.8	114	70-130	
Methyl-tert-butyl ether	ug/L	2.1J	20	24.7	113	70-130	
Naphthalene	ug/L	ND	20	21.2	105	70-130	
o-Xylene	ug/L	ND	20	22.7	114	70-130	
tert-Amyl Alcohol	ug/L	ND	400	343	86	70-130	
tert-Amylmethyl ether	ug/L	ND	40	40.0	100	70-130	
tert-Butyl Alcohol	ug/L	ND	200	146	73	70-130	
tert-Butyl Formate	ug/L	ND	160	115	72	70-130	
Toluene	ug/L	ND	20	22.9	115	70-130	
1,2-Dichloroethane-d4 (S)	%				103	70-130	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 1976236

Parameter	Units	92336693025 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	3.0J	2.5J		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: COASTAL TRUCK STOP 76 175929
Pace Project No.: 92335997

SAMPLE DUPLICATE: 1976236

Parameter	Units	92336693025 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)	%	90	92	3		
4-Bromofluorobenzene (S)	%	104	100	4		
Toluene-d8 (S)	%	109	108	2		

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QUALITY CONTROL DATA

Project: COASTAL TRUCK STOP 76 175929
Pace Project No.: 92335997

QC Batch: 355959 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92335997001, 92335997002, 92335997003, 92335997004, 92335997005, 92335997006, 92335997007, 92335997008, 92335997009, 92335997010, 92335997011, 92335997012, 92335997013, 92335997014, 92335997015, 92335997016, 92335997017, 92335997018

METHOD BLANK: 1974513 Matrix: Water
Associated Lab Samples: 92335997001, 92335997002, 92335997003, 92335997004, 92335997005, 92335997006, 92335997007, 92335997008, 92335997009, 92335997010, 92335997011, 92335997012, 92335997013, 92335997014, 92335997015, 92335997016, 92335997017, 92335997018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.019	0.019	04/11/17 01:25	
1-Chloro-2-bromopropane (S)	%	104	60-140		04/11/17 01:25	

LABORATORY CONTROL SAMPLE & LCSD: 1974514			1974515							
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	0.26	0.26	107	107	60-140	0	20	
1-Chloro-2-bromopropane (S)	%				99	99	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1974516				1974517								
Parameter	Units	92335997001 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	0.51	.25	.25	0.61	0.62	42	46	60-140	2	20	M1
1-Chloro-2-bromopropane (S)	%						116	120	60-140			

SAMPLE DUPLICATE: 1974518

Parameter	Units	92335997002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.93	0.92	1	20	
1-Chloro-2-bromopropane (S)	%	110	108	1		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

QC Batch: 355960 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92335997019, 92335997020, 92335997021, 92335997022, 92335997023, 92335997024, 92335997025, 92335997026, 92335997027, 92335997028, 92335997029

METHOD BLANK: 1974519

Matrix: Water

Associated Lab Samples: 92335997019, 92335997020, 92335997021, 92335997022, 92335997023, 92335997024, 92335997025, 92335997026, 92335997027, 92335997028, 92335997029

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.019	0.019	04/10/17 16:48	
1-Chloro-2-bromopropane (S)	%	101	60-140		04/10/17 16:48	

LABORATORY CONTROL SAMPLE & LCSD: 1974520

1974521

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.24	0.32	0.30	133	123	60-140	6	20	
1-Chloro-2-bromopropane (S)	%				128	113	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1974522

1974523

Parameter	Units	92335997021 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	.25	.25	0.27	0.27	107	107	60-140	0	20	
1-Chloro-2-bromopropane (S)	%						99	98	60-140			

SAMPLE DUPLICATE: 1974524

Parameter	Units	92335997025 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	99	106	7		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: COASTAL TRUCK STOP 76 175929
Pace Project No.: 92335997

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.

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

- | | |
|----|---|
| L1 | Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high. |
| L2 | Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low. |
| M0 | Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits. |
| 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. |
| S4 | Surrogate recovery not evaluated against control limits due to sample dilution. |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92335997001	IGWA	EPA 8011	355959	EPA 8011	356016
92335997002	IGWA-R	EPA 8011	355959	EPA 8011	356016
92335997003	MW-1	EPA 8011	355959	EPA 8011	356016
92335997004	MW-2	EPA 8011	355959	EPA 8011	356016
92335997005	MW-3	EPA 8011	355959	EPA 8011	356016
92335997006	MW-4	EPA 8011	355959	EPA 8011	356016
92335997007	MW-5	EPA 8011	355959	EPA 8011	356016
92335997008	MW-6	EPA 8011	355959	EPA 8011	356016
92335997009	MW-8	EPA 8011	355959	EPA 8011	356016
92335997010	MW-11	EPA 8011	355959	EPA 8011	356016
92335997011	MW-14	EPA 8011	355959	EPA 8011	356016
92335997012	MW-15	EPA 8011	355959	EPA 8011	356016
92335997013	MW-16	EPA 8011	355959	EPA 8011	356016
92335997014	MW-17	EPA 8011	355959	EPA 8011	356016
92335997015	MW-18	EPA 8011	355959	EPA 8011	356016
92335997016	MW-19	EPA 8011	355959	EPA 8011	356016
92335997017	MW-21	EPA 8011	355959	EPA 8011	356016
92335997018	MW-22	EPA 8011	355959	EPA 8011	356016
92335997019	MW-22D	EPA 8011	355960	EPA 8011	356018
92335997020	MW-23	EPA 8011	355960	EPA 8011	356018
92335997021	MW-24	EPA 8011	355960	EPA 8011	356018
92335997022	MW-25	EPA 8011	355960	EPA 8011	356018
92335997023	MW-26	EPA 8011	355960	EPA 8011	356018
92335997024	MW-27	EPA 8011	355960	EPA 8011	356018
92335997025	TW-1	EPA 8011	355960	EPA 8011	356018
92335997026	TW-2	EPA 8011	355960	EPA 8011	356018
92335997027	DUPLICATE 1	EPA 8011	355960	EPA 8011	356018
92335997028	DUPLICATE 2	EPA 8011	355960	EPA 8011	356018
92335997029	FIELD BLANK	EPA 8011	355960	EPA 8011	356018
92335997001	IGWA	EPA 8260	355824		
92335997002	IGWA-R	EPA 8260	355986		
92335997003	MW-1	EPA 8260	355986		
92335997004	MW-2	EPA 8260	356218		
92335997005	MW-3	EPA 8260	356218		
92335997006	MW-4	EPA 8260	355824		
92335997007	MW-5	EPA 8260	356218		
92335997008	MW-6	EPA 8260	355824		
92335997009	MW-8	EPA 8260	355669		
92335997010	MW-11	EPA 8260	355669		
92335997011	MW-14	EPA 8260	355669		
92335997012	MW-15	EPA 8260	355669		
92335997013	MW-16	EPA 8260	355824		
92335997014	MW-17	EPA 8260	355824		
92335997015	MW-18	EPA 8260	355825		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92335997016	MW-19	EPA 8260	355825		
92335997017	MW-21	EPA 8260	355825		
92335997018	MW-22	EPA 8260	355825		
92335997019	MW-22D	EPA 8260	355825		
92335997020	MW-23	EPA 8260	355825		
92335997021	MW-24	EPA 8260	355825		
92335997022	MW-25	EPA 8260	355825		
92335997023	MW-26	EPA 8260	355825		
92335997024	MW-27	EPA 8260	355825		
92335997025	TW-1	EPA 8260	355825		
92335997026	TW-2	EPA 8260	355825		
92335997027	DUPLICATE 1	EPA 8260	355825		
92335997028	DUPLICATE 2	EPA 8260	355986		
92335997029	FIELD BLANK	EPA 8260	355824		
92335997030	TRIP BLANK	EPA 8260	355825		

REPORT OF LABORATORY ANALYSIS

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	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: Sept. 21, 2016 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.01	Issuing Authority: Pace Quality Office

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐
WO# : 92335997


92335997

Sample Condition Upon Receipt

Client Name: MELI

Project #:

Courier:
☐ Commercial

☐ Fed Ex

☒ Pace

☐ UPS

☐ USPS

☐ Other:

☐ Client

Custody Seal Present?
☐ Yes

☒ No

Seals Intact?
☐ Yes

☒ No

Date/Initials Person Examining Contents: RP 4/5/17
Packing Material:
☐ Bubble Wrap

☒ Bubble Bags

☐ None

☐ Other:

Thermometer:
☐ IR Gun ID: T1603

Type of Ice:

☒ Wet

☐ Blue

☐ None

☐ Samples on ice, cooling process has begun

Correction Factor:

Cooler Temp Corrected (°C): 2.6°C
Biological Tissue Frozen?
☐ Yes

☒ No

☐ N/A

Temp should be above freezing to 6°C

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.	
Samples Field Filtered?	☐ Yes ☒ No ☐ N/A	8.	Note if sediment is visible in the dissolved container
Sample Labels Match COC?	☒ Yes ☒ No ☐ N/A	9.	no time, no date on sample as per COC
-Includes Date/Time/ID/Analysis Matrix: <u>notes</u>			
Headspace in VOA Vials (>5-6mm)?	☐ Yes ☒ No ☐ N/A	10.	
Trip Blank Present?	☒ Yes ☐ No ☐ N/A	11.	
Trip Blank Custody Seals Present?	☐ Yes ☒ No ☐ N/A		

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted:

Comments/Sample

Discrepancy:

Date/Time:

Project Manager SCURF Review: TC

Date: 4/5/17

Project Manager SRF Review: TC

Date: 4/5/17

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)



Document Name:
Sample Condition Upon Receipt(SCUR)
Document No.:
F-CAR-CS-033-Rev.01

Document Revised: Sept. 21, 2016
Page 2 of 2
Issuing Authority:
Pace Quality Office

*Check mark top half of box if pH and/or dechlorination
is verified and within the acceptance range for
preservation samples.

**Bottom half of box is to list number of bottles

Project #

W0# : 92335997

PM: RWC

Due Date: 04/12/17

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)	BP3S-250 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP3Z-250 mL Plastic ZN Acetate & NaOH (>9)	BP3C-250 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)	Cubitainer	VSGU-20 mL Scintillation vials (N/A)	GN	
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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 #

WO#: 92335997

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

PM: RWC

Due Date: 04/12/17

CLIENT: 92-MIDLAND

**Bottom half of box is to list number of bottles

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)	BP3S-250 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP3Z-250 mL Plastic ZN Acetate & NaOH (>9)	BP3C-250 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)	Cubitainer	V5GU-20 mL Scintillation vials (N/A)	GN
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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 #

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

**Bottom half of box is to list number of bottles

Project **W0# : 92335997**

PM: RWC

Due Date: 04/12/17

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)	BP3S-250 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP3Z-250 mL Plastic ZN Acetate & NaOH (>9)	BP3C-250 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)	Cubitainer	VSGU-20 mL Scintillation vials (N/A)	GN
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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 #

Section A

Required Client Information:

Company: **MECI**

Address: **231 Doolay Rd**
Lexington SC 29201

Email To: **IT@MECI.net**

Phone: **803 808 2043** Fax:

Requested Due Date/TAT:

Section B

Required Project Information:

Report To:	B. Shane
Copy To:	
Purchase Order No.:	
Project Name:	Coastal Truck Stop 76
Project Number:	17-5929

Section C

Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote	
Reference:	
Pace Project	
Manager:	T. Carter
Pace Profile #:	

Page: 1 of 3
201907

REGULATORY AGENCY

☒ NPDES	☐ GROUND WATER	☐ DRINKING WATER
☒ UST	☐ RCRA	☐ OTHER _____

Site Location	STATE: <u>SC</u>	<u>Florence</u>
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[illegible]

[illegible]

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
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F-ALL-Q-020rev.07, 15-May-2007

Section A

Required Client Information:

Company: **MECT**

Address: **231 Dooley Rd.
Lexington SC 29201**

Email To: **3LCC@MECT.net**

Phone: **803 808 2043** Fax:

Requested Due Date/TAT:

Section B

Required Project Information:

Report To: B. Shane
Copy To:
Purchase Order No.:
Project Name: Coastal Truck Stop 76
Project Number: 17-5929

Section C

Invoice Information:

Attention:

Company Name:

Address:

Price Quote

Reference:

Price Project
Manager: T - Carter

Price Profile #:

Page: 3 of 3
201907

REGULATORY AGENCY

☒ NPDES	☐ GROUND WATER	☐ DRINKING WATER
☒ UST	☐ RCRA	☐ OTHER

Site Location	STATE: SC	Florence
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[illegible]

ORIGINAL

*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.

F-ALL-Q-020rev.07, 15-May-2007

APPENDIX C:

TAX MAP
(Not Applicable)

APPENDIX D:
SOIL BORING/FIELD SCREENING LOGS & 1903 FORMS
(Not Applicable)