	MN	-17			SAMPL	LE ID:	035.	38-	MWIT		DATE	17	-3-1	4
	-													
		1			PU	RGING		Distant	LOTATIO	DED TH		Lou	IDOE DUM	D TVDE
ELL AMETE	R (inches):	2 Total V	Vell Depth (fe	et): 21		DEPTH:	REEN INTE feet to		STATIC	DEPTH ER (fee	11.97	OF	RGE PUM R BAILER	
	LUME PURGE	: 1 WELL V	OLUME = (T = (LL DEPTH fee		DEPTH TO		X WELL C	AP ACI	TY gallons		-1.45	gallons
		CUMUL.		21		1	1.92		× 0.1	6		1	10 8-) -
[IME	VOLUME PURGED (gallons)	VOLUME PURGED (gallons)	TEMP. (°C)	Δ	pH (su)	Λ	COND. (µS)	۸	DO (mg/L)	Λ	TURB IDITY (NTU)	Α	COLOR	ODOF
350	~	_	21.8	_	6.8	_	101	_	1,4	_	342		dy	Siy
103	1,0	1.0	21.6	6.2	6.6	02	8P	13			3/9	523	10	1
14	1.0	20	21.6	0	6.6	0	16	12			10/	218	1	1
21	0.5	25	21.5	0:1	6.7	0-1	74	2			63	37	Sul	\perp
38	1.5	4.0	21.5	U	6.7	0	73	1			14	48	CW	
146	0,5	4.5	121.4	01	6.7	0	71	12			12	2	1	
000	0.5	5.0	21.9	01	1.7	0	10				10	2	V	14
														1
														<u> </u>
		-												
									İ		<u> </u>			
ELL C	PACITY (Gallo	ons Per Foot):	0.75 °° = 0.0	2; 1"=	0.04; 1.25	5" = 0.06;	2" = 0.16;	3" = 0.3	7; 4" = 0.65	5" =	= 1.02;	6" = 1.	47; 12" :	= 5.88
ELL C	PACITY (Gallo	ons Per Foot):	0.75** = 0.0	2; 1"=	0.04; 1.2 5	5" = 0.06;	2" = 0.16;	3" = 0.3	7; 4 " = 0.65	5"	= 1.02;	6 " = 1 .	47; 12" :	= 5.88
ELL C	PACITY (Gallo	L ons Per Foot):	0.75 33 = 0.00	2; 1"=					7; 4" = 0.65	5" =	= 1.02;	6" = 1.	47; 12 ":	= 5.88
	BY(PRINT)		0.75 33 = 0.03			MPLING	DATA		SAMPLING		= 1.02;	SAMP	LING TIME	
AMPLE!	BY (PRINT)		0.75" = 0.0		SAI	MPLING	DATA		SAMPLING	DATE:	= 1.02;	SAMP	LING TIME	l:
AMPLEI Dont JMP OF	BY (PRINT)		0.75" = 0.0.	SAMPI	SAI LER(S) SIGI	MPLING NATURE(S)	DATA		SAMPLING	DATE:		SAMP	LING TIME	l:
AMPLEI Dont UMP OF EPTH IN	BY (PRINT)	18	0.75" = 0.00	SAMPI	SAI LER(S) SIGI	MPLING NATURE(S)	DATA		SAMPLING	DATE:		SAMP	LING TIME	l:
AMPLET DO 14 UMP OF EPTH IN UPLICA	D BY (PRINT) d Burd TUBING TWELL (feet):	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0	SAMPI	SAI LER(S) SIGI A G RIAL CODE:	MPLING NATURE(S)	DATA		SAMPLING	DATE: LIPERED: uipm en ED SIS OR	Y N N Type.	SAMP	LING TIME	R SIZE:
AMPLEI DO 14 JMP OF EPTH IN UPLICA	D BY (PRINT) A BUT OF TUBING WELL (feet): TE COLLECTE	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0	SAMPI TUBIN MATEI	SAI LER(S) SIGI A G RIAL CODE:	MPLING NATURE(S) 2	S DATA		SAMPLING 12.13 FIELD-FILTI Filtration Eq	DATE: LIPERED: uipm en ED SIS OR	Y N N Type.	SAMP	LING TIME	R SIZE:
AMPLEI OO 14 JMP OF EPTH IN UPLICA SAM	D BY (PRINT) TUBING TUBING WELL (feet): TE COLLECTE PLE CONTAIN	/ / S D: Y	© CATION	SAMPI TUBIN MATEI	SAI LER(S) SIGI G RIAL CODE: SAMPI	MPLING NATURE(S) P(C) LE PRESER TOTAL 1 ADDED IN	S DATA	FINAL	SAMPLING 12.13 FIELD-FILTI Filtration Eq	DATE:	t Type. SA	SAMP	LING TIME	R SIZE:
AMPLEI OO 14 JMP OF EPTH IN UPLICA SAM	D BY (PRINT) A BUTCH TUBING WELL (feet): TE COLLECTE PLE CONTAIN GONTAINER S	MATERIA L ODE	CATION	SAMPI TUBIN MATEI	SAI LER(S) SIGI G RIAL CODE: SAMPI ERVATIVE USED	MPLING NATURE(S) P(C) LE PRESER TOTAL 1 ADDED IN	S DATA	FINAL	SAMPLING 12.13 FIELD-FILTI Filtration Eq INTEND ANALY AND/C METHO	DATE: ERED: uipmen ED SIS OR DD	t Type. SA	SAMP MPLIN UIPME CODE	LING TIME	R SIZE:
AMPLEI DO 14 JMP OF EPTH IN JPLICA SAM	D BY (PRINT) TUBING WELL (feet): TE COLLECTE PLE CONTAIN GONTAINER S 3	MATERIA L CODE	CATION VOLUME 40 ml	SAMPI TUBIN MATEI	SAI LER(S) SIGI G RIAL CODE: SAMPI ERNATIVE USED	MPLING NATURE(S) P(C) LE PRESER TOTAL 1 ADDED IN	S DATA	FINAL	SAMPLING 12.13 FIELD-FILTI Filtration Eq INTEND ANALY AND/O METHO	DATE: ERED: uipmen ED SIS OR DD	t Type. SA	SAMP MPLIN UIPME CODE	LING TIME	R SIZE:
AMPLE I DO 14 JMP OF EPTH IN JPLICA SAM	D BY (PRINT) A BUTCH TUBING I WELL (feet): TE COLLECTE PLE CONTAIN GONTAINER S 3	MATERIA L OODE CG	CATION VOLUME 40 ml 40 ml	SAMPI TUBIN MATEI	SAI LER(S) SIGH G RIAL CODE: SAMPI ERVATIVE USED CL	MPLING NATURE(S) P(C) LE PRESER TOTAL 1 ADDED IN	S DATA	FINAL	SAMPLING 12.13 FIELD-FILTI Filtration Eq INTEND ANALY AND/O METHO 8260	DATE: ERED: uipmen ED SIS OR DD	t Type. SA	SAMP MPLIN UIPME CODE	LING TIME	R SIZE:
AMPLEI DO 14 JMP OF EPTH IN JPLICA SAM	D BY (PRINT) A BUTCH TUBING I WELL (feet): TE COLLECTE PLE CONTAIN GONTAINER S 3	MATERIA L OODE CG	CATION VOLUME 40 ml 40 ml	SAMPI TUBIN MATEI	SAI LER(S) SIGH G RIAL CODE: SAMPI ERVATIVE USED CL	MPLING NATURE(S) P(C) LE PRESER TOTAL 1 ADDED IN	S DATA	FINAL	SAMPLING 12.13 FIELD-FILTI Filtration Eq INTEND ANALY AND/O METHO 8260	DATE: ERED: uipmen ED SIS OR DD	t Type. SA	SAMP MPLIN UIPME CODE	LING TIME	R SIZE:
AMPLEI DO 14 JMP OF EPTH IN JPLICA SAM	D BY (PRINT) A BUTCH TUBING I WELL (feet): TE COLLECTE PLE CONTAIN GONTAINER S 3	MATERIA L OODE CG	CATION VOLUME 40 ml 40 ml	SAMPI TUBIN MATEI	SAI LER(S) SIGH G RIAL CODE: SAMPI ERVATIVE USED CL	MPLING NATURE(S) P(C) LE PRESER TOTAL 1 ADDED IN	S DATA	FINAL	SAMPLING 12.13 FIELD-FILTI Filtration Eq INTEND ANALY AND/O METHO 8260	DATE: ERED: uipmen ED SIS OR DD	t Type. SA	SAMP MPLIN UIPME CODE	LING TIME	R SIZE:
AMPLE I DO 14 JMP OF EPTH IN JPLICA SAM	BY (PRINT) A BUTO TUBING TWELL (feet): TE COLLECTE PLE CONTAIN GONTAINER S 3 1	MATERIA L OODE CG	CATION VOLUME 40 ml 40 ml	SAMPI TUBIN MATEI	SAI LER(S) SIGH G RIAL CODE: SAMPI ERVATIVE USED CL	MPLING NATURE(S) P(C) LE PRESER TOTAL 1 ADDED IN	S DATA	FINAL	SAMPLING 12.13 FIELD-FILTI Filtration Eq INTEND ANALY AND/O METHO 8260	DATE: ERED: uipmen ED SIS OR DD	t Type. SA	SAMP MPLIN UIPME CODE	LING TIME	R SIZE:

STABILIZATION CRITERIA

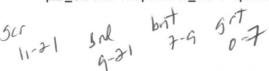
pH: \pm 0.2 units Temperature: \pm 0.2 °C Specific Conductance: \pm 5% Dissolved Oxygen: \pm 0.2 mg/L or \pm 10% Turbidity: \leq 10 NTU or \pm 10%

365-21 god ont 9-9 50-7

				PU	RGING	DATA							
2	T otal V	ell Depth (fee	et):			CREEN INTE		STATIC	DEP TH	12.4	PL	RGE PUM	P TYPE
ME PURGE:			OT AL WI		- STAT	C DEPTH TO	WATER)	X WELL C	AP ACT	TY	•		gallons
OLUME	CUMUL.	TEMP	2		1-4		T			TURB		1.57	
PURGED (gallons)	PURGED (gallons)	(°C)	Δ	(su)	Α	(µS)	Λ	(mg/L)	Λ	(NTU)	Δ	COLOR	ODOR
_	_	21,9	-	8.9	7	-	-	1,9	_	4000	_	Cly	nune
15		216	00	10/	05	0	10		-	404	0.0	1	-
200		121 4	00	100	00	80	1		-	10.7	1//	X	
		01.7	0,1	6.2	D. I		0			00	04	IVV	++
6	4.0	21.5	10	6.0		-	1			80	11	1	
	6-0	0,9	V	0.0		80				010	/	<i>V</i>	19
							+						-
					<u> </u>								
Y (PRINT)	h		SAMP					The state of the s					:
JBING ELL (feet):	18	0			P	=		FIELD-FILTE Filtration Equ	RED: uipment	Y Type:		FILTER	SIZE:
CONTAIN	ER SPECIFIC	CATION		SAMP	LE PRESE	RVATION		ANALY:	SIS R	EQ	UIPME	G NT	AMPLE PUMP FLOW RATE (ml/min)
# ONTAINER S	MATERIA L CODE	VOLUME			ADDEDI	N FIELD	FINAL pH						
3	CG	40 ml	Н	ICL			/	8260	3	RF	PP		/
3	CG	40 ml	H	ICL		/		8011					
1	PE	250 ml	Н	INO3	/		/	6010		+	V		1
	CITY (Gallo CITY (Gallo CITY (Gallo CITY (Gallo CONTAINI	CUMUL. VOLUME PURGED (gallons) CITY (Gallons Per Foot): CONTAINER SPECIFIC ONTAINER SPECIFIC SPECIFI	CUMUL. VOLUME (°C) Gallons) CITY (Gallons Per Foot): 0.75" = 0.02 CONTAINER SPECIFICATION CONTAINER SPECIFICATION MATERIA CODE CG 40 ml COLUME (CUMUL. VOLUME PURGED (°C) (°	COLUME CUMUL. VOLUME TEMP. A Gallons Gallons Gallons Columbia TEMP. A Gallons Ga	CITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.22	CONTAINER SPECIFICATION CONTAINER SAMPLE PRESERVATIVE CONTAINER SECURITY COLUME CONTAINER SECURITY COLUME CONTAINER SECURITY COLUME COLUME COLUME CONTAINER SECURITY COLUME COL	PURGE: 1 WELL VOLUME	PURGE: 1 WELL VOLUME	PURGE: 1 WELL VOLUME	CUMUL CUMUL CUMUL COND COND	CUMUL Gellons Fellons Fellon	COLUME	COLUME

STABILIZATION CRITERIA

pH: \pm 0.2 units Temperature: \pm 0.2 °C Specific Conductance: \pm 5% Dissolved Oxygen: \pm 0.2 mg/L or \pm 10% Turbidity: \leq 10 NTU or \pm 10% and \pm 10% Turbidity: \leq 10 NTU or \pm 10% Dissolved Oxygen: \pm 0.2 mg/L or \pm 10% Turbidity: \leq 10 NTU or \pm 10% Dissolved Oxygen: \pm 0.2 mg/L or \pm 10% Turbidity: \leq 10 NTU or \pm 10% Dissolved Oxygen: \pm 0.2 mg/L or \pm 10% Turbidity: \leq 10 NTU or \pm 10% Dissolved Oxygen: \pm 0.2 mg/L or \pm 10% Dissolved Oxygen: \pm 10% Disso



DEPTH IN WELL (feet): DUPLICATE COLLECTED: Y INTENDED ANALYSIS Filtration Equipment Type: INTENDED ANALYSIS FOULPMENT	MP TYPE
PURGING DATA	gallons
VICLA A DEPTH A DEPT	gallons R ODOR
DEPTH: 3 teetto 7 feet	gallons R ODOR
NELL VOLUME PURGE: 1 WELL VOLUME () 2.0 1 feet 9.79 feet 9.79 feet \$\times\$ \$\	gallons
TIME VOLUME PURGED VOLUME PURGED (GRIDON) 3.3.0	ODOR
TIME VOLUME VOLUME TEMP. (CC) A PH (Su) A COND. (MS) (MGL) A IDITY A COLOR (MGL) A (MS) (MGL) A (MGL)	
SAMPLED BY (PRINT) SAMPLER (S) SIGNATURE (S): SAMPLING DATA SAMPLE CONTAINER SPECIFICATION SAMPLE PRESERVATION SAMPLER (S) SAMPLED BY (PRINT) TUBING MATERIAL CODE: PC MITCHIOLOGY MITCHIOLOGY MITCHIOLOGY MITCHIOLOGY MITCHIOLOGY MITCHIOLOGY MITCHIOLOGY MITCHIOLOGY MITCHIOLOGY MALEYSIS SAMPLING ANALYSIS SAMP	OW
SAMPLED BY (PRINT) SAMPLER (S) SIGNATURE (S): SAMPLING DATA SAMPLE CONTAINER SPECIFICATION SAMPLED BY (PRINT) SAMPLE CONTAINER SPECIFICATION SAMPLED BY (PRINT) S	
NELL 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"	
SAMPLED BY (PRINT) SAMPLED BY (PRINT) DUNGA BUTCH TUBING DEPTH IN WELL (feet): JUMPLO R TUBING MATERIAL CODE: SAMPLED BY FILTE Filtration Equipment Type: INTENDED ANALYSIS SAMPLING BATA SAMPLED BY FILTE FILTE FILTE SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING TIM 19-31-19-19 FILTE FILTE FILTE SAMPLING DATE: SAMPLI	
SAMPLED BY (PRINT) SAMPLE	
SAMPLED BY (PRINT) SAMPLE	
SAMPLING DATA SAMPLED BY (PRINT) SAMPLER(S) SIGNATURE(S): SAMPLING DATE: S	
SAMPLING DATA SAMPLED BY (PRINT) SAMPLER(S) SIGNATURE(S): SAMPLING DATE: S	
SAMPLING DATA AMPLED BY (PRINT) SAMPLER(S) SIGNATURE (S): SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING TIM 19/3/14 1430 TUBING EPTH IN WELL (feet): UPLICATE COLLECTED: Y SAMPLE CONTAINER SPECIFICATION SAMPLE PRESERVATION SAMPL	
SAMPLING DATA AMPLED BY (PRINT) SAMPLER(S) SIGNATURE (S): SAMPLING DATE: S	
SAMPLING DATA AMPLED BY (PRINT) SAMPLER(S) SIGNATURE (S): SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING TIM 19/3/14 1430 TUBING EPTH IN WELL (feet): UPLICATE COLLECTED: Y SAMPLE CONTAINER SPECIFICATION SAMPLE PRESERVATION SAMPL	
SAMPLING DATA AMPLED BY (PRINT) SAMPLER(S) SIGNATURE (S): SAMPLING DATE: S	
SAMPLING DATA AMPLED BY (PRINT) SAMPLER(S) SIGNATURE (S): SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING TIM 19/3/14 1430 TUBING EPTH IN WELL (feet): UPLICATE COLLECTED: Y SAMPLE CONTAINER SPECIFICATION SAMPLE PRESERVATION SAMPL	
SAMPLING DATA SAMPLED BY (PRINT) SAMPLER(S) SIGNATURE(S): SAMPLING DATE: S	\top
SAMPLING DATA SAMPLED BY (PRINT) SAMPLER(S) SIGNATURE(S): SAMPLING DATE: S	1
DUNIA BUTCH UMP OR TUBING EPTH IN WELL (feet): UPLICATE COLLECTED: Y SAMPLE CONTAINER SPECIFICATION SAMPLE PRESERVATION SAMPLE PRESERVATION INTENDED ANALYSIS FOLIPMENT	= 5.88
TUBING TUBING DEPTH IN WELL (feet): DUPLICATE COLLECTED: Y INTENDED ANALYSIS FILTE FILT FILTE FILT FILTE FILT F	E:
SAMPLE CONTAINER SPECIFICATION SAMPLE PRESERVATION INTENDED ANALYSIS FOULDMENT	R SIZE:
SAMPLE CONTAINER SPECIFICATION SAMPLE PRESERVATION ANALYSIS FOILIDMENT	
AND/OR METHOD CODE	SAMPLE PUMP FLOW RATE (ml/min)
SAMPLE CONTAINER LOODE VOLUME PRESERVATIVE ADDED IN FIELD PH	
3 CG 40 ml HCL / 8260B RFPP	/
3 CG 40 ml HCL / 8011	1
1 PE 250 ml HNO3 / 6010	
EMARKS:	
AATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Others	

STABILIZATION URITERIA

 $\textbf{pH:} ~ \underline{\pm}~0.2 \text{ units } \textbf{Temperature:} ~ \underline{\pm}~0.2 \text{ } ^{\circ} \textbf{C} \textbf{ Specific Conductance:} ~ \underline{\pm}~5\% \textbf{ Dissolved Oxygen:} ~ \underline{\pm}~0.2 \text{ mg/L} \text{ or} ~ \underline{\pm}~10\% \textbf{ Turbidity:} \leq 10 \text{ NTU or} ~ \underline{\pm}~10\% \textbf{ NTU or$

3-13 2-13 1-2 0-1

SITE NAME:	Coro	tal	76				SITE LOCATIO	N: Flo	ne	ne SC	-/				
WELL NO		W-2			SAMPI	E ID:	038	538.	_/	ne SC) .	DATE	10	2-3-	14
			42 ta												
VELL			Vell Depth (fe	et):	_	RGING				STATICE	FPTH	160	7 PI	JRGE PUM	PIYPE
IAMETE	R (inches): 2	-		17	.5	DEPTH	4.5 fe	NTERVAL et to 14.3	Stee		R (fee	t):/0.9	1 0	R BAILER:	SFPC
VELL VO	LUME PURGE		OLUME = (T = (14.4			0. 9	1 TO WAT	ER) feet)	X WELL C.	AP ACI	TY gallons		-0.50	gallons
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	TEMP. (°C)	Λ	pH (su)	Δ	CON (µS		١	DO (mg/L)	Α	TURB IDITY (NTU)	Δ	COLOR	ODOR
340			218		6.8		- 24	-		2.0		4000	_	de	nare
150	1.0	1.0	21.6	0.2	6.4	0.4	78	6	2			+1000	-	/	1
102	0.5	15	21-6	0	6,5	0.1	76	2	3_			604	-	V	
114	1.0	2.5	21.5	01	6-5	V	17		9			121	40	day	
26	1,5	4,0	21.5	0	6.4	0.1	77		_			39	22	dr	
30	1,0	5,0	21.6	01	6.5	01	30		-			19	24	ow	
145	1,0	6.0	91.9	0.1	6.5	U	177	- 0				7,5	75	W	V
								-	-				-		
													1		
	APACITY (Galio	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.00		SAI	MPLIN	G DA		0.01			1.02		·	
Duni	DBY(PRINT) Hel BU	zh		SAMP	LER(S) SIGN	SATURE (S):			IA/3	114	,	SAMP	HS	
	TUBING WELL (feet):	13		TUBIN M ATE	IG RIAL CODE:	F	E			FIELD-FILTE Filtration Equ				FILTER	SIZE:
UPLICA	TE COLLECTE		0												
SAM	PLE CONTAIN	ER SPECIFIC	CATION		SAMPI	E PRESI	R VATIO	N		INTENDE ANALYS AND/OI METHO	IS R	EQ	MPLIN JIPME CODE	G NT	AMPLE PUMP FLOW RATE ml/min)
BAMPLE D GODE	# GONTAINER	MATERIA L CODE	VOLUME		SERVATIVE USED	TOTAL ADDED I	N FIELD	FINAL pH						Ì	
	3	CG	40 ml	Н	CL		1	1		8260E	}	R	FPF	>	1
	3	CG	40 ml	H	ICL					8011			1		
	1	PE	250 ml	Н	NO3	/				6010		-	V		/
												-			_
=1/1=															
REMARK	S:														
				01.		D-1 "		DD 5 :		1 5 5			41-	0.0	/D ::
	L CODES: A		APP = After		ic Pump;	= Polyethy B = Bail	er: B	PP = Polyt P = Bladde	r Pu	mp: ESP=	Electr	T = Te ric Subme	rsible F		(Speat)
					w Peristaltic		SM = Sti	a w M ethod	d (Tu	bing Gravity Di	ain);		ther (S		

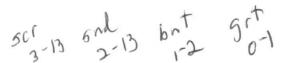
STABILIZATION CRITERIA

pH: \pm 0.2 units Temperature: \pm 0.2 °C Specific Conductance: \pm 5% Dissolved Oxygen: \pm 0.2 mg/L or \pm 10% Turbidity: \leq 10 NTU or \pm 10% and \pm 10% Turbidity: \leq 10 NTU or \pm 10% Dissolved Oxygen: \pm 0.2 mg/L or \pm 10% Turbidity: \leq 10 NTU or \pm 10% Dissolved Oxygen: \pm 0.2 mg/L or \pm 10% Turbidity: \leq 10 NTU or \pm 10% Dissolved Oxygen: \pm 0.2 mg/L or \pm 10% Turbidity: \leq 10 NTU or \pm 10% Dissolved Oxygen: \pm 0.2 mg/L or \pm 10% Dissolved Oxygen: \pm 0.2 mg/L or \pm 10% Dissolved Oxygen: \pm 0.2 mg/L or \pm 10% Dissolved Oxygen: \pm

361 - 145 5rd but 34 9002

SITE NAME:	Coast	m 74	,				OCATION	Flo	ren	ce, S	0				
WELL NO					SAMP	LE ID: O						DATE	12	- 3-1	4
			12.32 ty	1				, ,	400	0.1			,,		
					PU	RGING									
	R (inches): 2	_	Vell Depth (fe	11		DEPTH:	3 fee		feet	STATIC TO WAT	DEPTH ER (fee	10.38	PL	JRGE PUM R BAILER:	REP
MELL VO	LUME PURGE	: 1 WELL V	OLUME = (T = (R) X	WELL	CAP AC				gallons
		CUMUL.	1	16	3 12.37		0.39	5 "	, , , ,	0.	16	ganoria	37100L	<u>*0,3</u>	ganons
TIME	VOLUME PURGED (gallons)	VOLUME PURGED (gallons)	TEMP. (°C)	Δ	pH (su)	٨	CONI (µS)	- A		DO (mg/L)	Λ	TURB IDITY (NTU)	Λ	COLOR	ODOR
1245			20.5	-	6.4	_	80	1 -	0	1.4		4/000	-	day	none
1253	1.5	1.5	20.4	0.1	6.2	0.2	86	, 3				364	-	clay	
305	1.0	2.5	20.4	0	6.	0.1	8.	3 3				109	255	dely	
1316	0.5	3.0	20.3	0.1	6.1	0	8,	1 1	\perp		_	30	79	de	
1323	1.0	4.0	20.3	0	6.1	0	81	1 0	7.			1.5	15	ar	
1330	1,0	5.0	20,4	0.	6.	0	8.	3 1	+			9.0	6	CIC	V
									+						
									\top						
									\top						1
ke									Т		Ì	ĺ			
SAMPLED	BY (PRINT)	αh		SAMPI	SAI LER(S) SIGN	MPLING		'A		AMPLING	DATE:		SAMP	17; 12" =	
PUMP OR	TUBING	1 0		TUBIN		-	_		FIE	LD-FILTE	RED:	Y N		FILTER	SIZE:
	WELL (feet): TE COLLECTE	1 <u>9</u>	0	MATE	RIAL CODE:	P	=		Fil	tration Equ	uipm ent	Type:			
	PLE CONTAIN				SAMPL	E PRESE	R VATION			INTEND ANALYS AND/O METHO	SIS R	EQI	MPLIN JIPMEI CODE	G NT	AMPLE PUMP FLOW RATE ml/min)
SAMPLE ID GODE	# CONTAINER S	MATERIA L CODE	VOLUME		ERVATIVE USED	TOTAL ADDED IN (mL	FIELD	FINAL pH							
	3	CG	40 ml	Н	CL		/	1		82608	3	RF	PP		_
	3	CG	40 ml	Н	CL				15	8011			1		-
	1	PE	250 ml	Н	NO3			1		6010			1		_
															W.
							-		-						+
REMARKS	S:														
MATERIA	L CODES: A	G = Amber Gl	ass; CG =	Clear Gla	ess; PE =	Polyethyle	ene; P	P = Polypr	opylene	e; S = S	ilicone;	T = Te	flon;	0 = Other	(Specify)
SAMPLIN	G EQUIPMEN	CODES:	APP = After			B = Baile		= Bladder				ic Subme		um p;	
			RFPP = Rev	erse Flov	vir enstaltic f	rump; :	oivi – Stra	w M ethod i	ji ubing	g Gravity D	rain);	0 = Ot	her (Sp	oecify)	

STABILIZATION CRITERIA



NAME: Coastal H6	PUMP TYPE ER: RFPF
Vell Or Ball Vell	
Victor V	
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY gallons/foot = 0, 1	
TIME VOLUME PURGED (Gallons) TEMP (°C) A PH (su) A COND (MgAL) A DO (MgAL) A DO (MgAL) A COLUMN (NTU) A COND A COLUMN (NTU) A C	82 gallons
TIME VOLUME PURGED (9C) A pH A COND. A DO (mg/L) A IDITY A COLUMN (9allons) (9C) A pH A COND. A DO (mg/L) A IDITY A COLUMN (9allons) A DO (mg/L) A COLUMN (9allons) A COLUMN (9allons) A DO (mg/L) A DO (mg/L) A COLUMN (9allons) A DO (mg/L) A DO (mg/L) A COLUMN (9allons) A DO (mg/L) A DO (mg/L) A COLUMN (9allons) A DO (mg/L) A DO (mg/L) A COLUMN (9allons) A DO (mg/L) A DO (mg/L) A DO (mg/L) A COLUMN (9allons) A DO (mg/L) A DO (mg/L) A DO (mg/L) A COLUMN (9allons) A DO (mg/L) A DO (mg/L) A DO (mg/L) A COLUMN (9allons) A DO (mg/L) A DO (mg/L) A COLUMN (9allons) A DO (mg/L) A DO (mg/L) A DO (mg/L) A COLUMN (9allons) A DO (mg/L) A DO (mg/L) A COLUMN (9allons) A DO (mg/L) A DO (mg/L) A COLUMN (9allons) A DO (mg/L) A DO (mg/L) A COLUMN (9allons) A COLUMN (9allons) A DO (mg/L) A COLUMN (9allons) A COLUMN (9allons) A DO (mg/L) A COLUMN (9allons) A COLUMN	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	OR ODOR
	y Sligh
511 0.5 3.0 20.7 0.1 6.5 0.1 98 26 92 017 1520 1.0 4.0 20.6 0.1 6.5 0 95 14 12 0.1 1530 1.0 5.0 20.6 0 6.5 0 96 12 2 01	VY
1520 1.0 4.0 20.6 0. 6.5 0 95 14 12 CM	1
520 1.0 4.0 20.6 0. 6.5 0 95 14 12 CI	
530 1.0 5.0 20.6 0 6.5 0 96 12 2 01	
	0
	V
	+
	$\overline{}$
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; 1 SAMPLING DATA	2" = 5.88
SAMPLED BY (PRINT) SAMPLER(S) SIGNATURE(S): SAMPLING DATE: SAMPLING TO SAMPLIN	
Daniel Burch DB 12/3/14 1540 PUMP OR TUBING TUBING FIELD-FILTERED: Y N FIL	TER SIZE:
DEPTH IN WELL (feet): MATERIAL CODE: Filtration Equipment Type: DUPLICATE COLLECTED: Y	TER SIZE.
DOPLICATE COLLECTED. 1	SAMPLE
SAMPLE CONTAINER SPECIFICATION SAMPLE PRESERVATION SAMPLE PRESERVATION INTENDED ANALYSIS AND/OR METHOD CODE	PUMP FLOW RATE (ml/min)
SAMPLE CONTAINER L CODE VOLUME PRESERVATIVE ADDED IN FIELD PH PH	
3 CG 40 ml HCL - 8260B RFPP	
3 CG 40 ml HCL - 8011	~
1 PE 250 ml HNO3 - 6010) (
	_
REMARKS:	_

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

PP = Polypropylene;

SM = StrawMethod (Tubing Gravity Drain);

BP = Bladder Pump;

S = Silicone;

T = Teflon;

ESP = Electric Submersible Pump;

PE = Polyethylene;

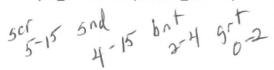
B = Bailer;

CG = Clear Glass;

APP = After Peristaltic Pump;

RFPP = Reverse FlowPeristaltic Pump;

0 = Other (Specify)



MATERIAL CODES: AG = Am ber Glass;

SAMPLING EQUIPMENT CODES:

AME:	Coasla Mw-	76	1600	K S	707	. L	OCATIO	N: M	1000	nce, s		DATE	T.	/10.11.1	
ELL NO	MW-	22 6	Kesamx	00	SAMP	LE ID:							12	112/14	
					PU	RGING	DAT	Α							
/ELL	R (inches):	Total V	Vell Depth (fee	et):		WELL S		NTERVA et to	L fee	STATIC et TO WAT				URGE PUM R BAILER:	PTYPE
	LUME PURGE	: 1 WELL V		OTAL WEI		- STAT			(TER)	X WELL		ITY			
		OLIMALII.	= (fee	et –			feet)	X		gallons	/foot	=	gallons
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	TEMP. (°C)	Δ	pH (su)	Δ	CON (μS		Δ	DO (mg/L)	Δ	TURB IDITY (NTU)	Δ	COLOR	ODOR
335	_	_	20,6		6.7	_	99	' -	-	1.4	-	8.4	1	Clr	Sigh
						-		-	\dashv		-				
J)	D BY (PRINT)	irgh		TUBING	ER(S) SIGI	MPLIN NATURE(S		ТА		SAMPLING	IL RED:	YN		PLING TIME 335 FILTER	
	WELL (feet): TE COLLECTE	D: Y	- (N)	MATER	AL CODE:	:				Filtration Eq	uipmen	t Type:			
SAM	PLE CONTAIN	ER SPECIFIC			SAMP	LE PRESE	RVATIO	N		INTEND ANALY AND/O	SIS R	EQL	MPLIN IIPME CODE	IG NT	AMPLE PUMP FLOW RATE ml/min)
AMPLE CODE	CONTAINER S	MATERIA L CODE	VOLUME	US	RVATIVE SED	TOTAL ADDED II (ml	FIELD	FINAI pH	L						
	3	C6	40ml	H	-					8260	013		3		
EMARK	S:														
EMARK	S:														

Florence SITE Morriss Oil Company Spartanburg. SOUTH CAROLINA Constal LOCATION: NAME DATE: 12 -3-MW 21 WELL NO: 221 SAMPLE ID: MG 44.02 **PURGING DATA** STATIC DEPTH 13.83 WELL SCREEN INTERVAL PURGE PUMP TYPE WELL Total Well Depth (feet): OR BAILER: ESP DIAMETER (inches): DEPTH: 40 feet to 45 feet TO WATER (feet): - STATIC DEPTH TO WATER) X WELL CAPACITY WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH = (44.02 feet) X gallons/foot =4.83 gallons 13.83 0.10 CUMUL TURB VOLUME COND. VOLUME TEMP DO TIME Δ Δ Δ IDITY COLOR ODOR **PURGED PURGED** (°C) (su) (µS) (mg/L) (NTU) (gallons) (gallons) 96 440 21. 3. 2 HOOC Chu DANE 2 02 7 3 93 5 4 0. 6 2.5 5.0 88 0.2 0 5 619 SOT 4 24 1510 20 105 4 1.5 6 2 0 0 86 21.2 0 1 0 0. 0 2 2 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 SAMPLER(S) SIGNATURE(S): SAMPLING DATE: SAMPLING TIME: SAMPLED BY (PRINT) 13 1550 Duntel N PUMP OR TUBING TUBING FIELD-FILTERED: FILTER SIZE: 40 DEPTH IN WELL (feet): MATERIAL CODE: Filtration Equipment Type DUPLICATE COLLECTED: D SAMPLE INTENDED SAMPLING **PUMP ANALYSIS** FOLIPMENT SAMPLE CONTAINER SPECIFICATION SAMPLE PRESERVATION FLOW AND/OR CODE RATE **METHOD** (ml/min) TOTAL VOL MATERIA PRESERVATIVE FINAL SAMPLE CONTAINER VOLUME ADDED IN FIELD USED ID CODE L CODE pH (mL) 3 HCL CG 40 ml 8260B 8011 3 CG 40 ml HCL PE HN03 250ml 6010

STABILIZATION CRITERIA

MATERIAL CODES: AG = Amber Glass;

SAMPLING EQUIPMENT CODES:

REMARKS

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

PP = Polypropylene;

SM = Straw Method (Tubing Gravity Drain);

BP = Bladder Pump;

S = Silicone:

T = Teflon;

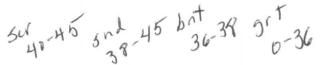
O = Other (Specify)

ESP = Electric Submersible Pump;

O = Other (Specify)

PE = Polyethylene;

B = Bailer;



CG = Clear Glass:

APP = After Peristaltic Pump;

RFPP = Reverse Flow Peristaltic Pump;

GROUNDWATER SAMPLING LOG Florence SITE - Morriss Oil -Spartanburg. SOUTH CAROLINA npany LOCATION: NAME SAMPLE ID: 12-3-14 WELL NO: 15.53 tod **PURGING DATA** Total Well Depth (feet): 16 PURGE PUMP TYPE WELL SCREEN INTERVAL WELL STATIC DEPTH DIAMETER (inches): 2 11.90 DEPTH: 6 feet to 16 feet TO WATER (feet): OR BAILER: WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) WELL CAPACITY 0.58 gallons feet) X gallons/foot 15.53 1.90 0.16 CUMUL. TURB VOLUME VOLUME COND. TEMP DO TIME Δ Δ IDITY COLOR ODOR **PURGED** PURGED (°C) (su) (µS) (mg/L) (NTU) (gallons) (gallons) 9 104 HOOD 440 20.4 Stulat 5 0.2 96 t1000 3 20 0. 0.2 6 20 90 0.5 20.3 0 62 0. 98 150 30 20.2 20.3 0.1 91 4.0 6.6 0. 539 Э 94 45 20.3 0 6-6 0 92 9.0 0. 20. 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 SAMPLER(S) SIGNATURE(S): SAMPLING DATE: SAMPLING TIME: SAMPLED BY (PRINT) Dantel Burch 2/3/14 540 PUMP OR TUBING TUBING FIELD-FILTERED: FILTER SIZE: PE 13 DEPTH IN WELL (feet): MATERIAL CODE: Filtration Equipment Type DUPLICATE COLLECTED: N SAMPLE INTENDED SAMPLING PUMP **ANALYSIS** FOUIPMENT SAMPLE CONTAINER SPECIFICATION SAMPLE PRESERVATION FLOW AND/OR CODE RATE **METHOD** (ml/min) TOTAL VOL PRESERVATIVE SAMPLE MATERIA FINAL CONTAINER VOLUME ADDED IN FIFI D LCODE USED ID CODE pH (mL) REPP 3 HCL CG 40 ml 8260B

STABILIZATION CRITERIA

REMARKS:

3

MATERIAL CODES: AG = Amber Glass;

SAMPLING FQUIPMENT CODES:

CG

PE

40 ml

250 ml

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

PP = Polypropylene;

SM = Straw Method (Tubing Gravity Drain);

BP = Bladder Pump:

PE = Polyethylene;

B = Bailer:

8011

6010

S = Silicone;

T = Teflon;

O = Other (Specify)

ESP = Electric Submersible Pump

O = Other (Specify)

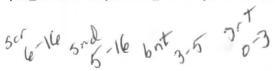
HCL

HN03

CG = Clear Glass;

APP = After Peristaltic Pump:

RFPP = Reverse Flow Peristaltic Pump;



	:MW12		Truds	, - 11	SAMPI	LE ID: AA	12	0-1	ample		DATE	:10	112/14	
	MWIZ				Or tivil	LE 10. /VI	MID	N 63	amp c			14	112/19	
					PU	RGING	DATA							
/ELL IAMETE	R (inches):	Total V	Well Depth (fe	et):		WELL S DEPTH:	CREEN INTE feet to		STATIC et TO WA				URGE PUM R BAILER:	PTYPE
ELL VO	LUME PURGE	: 1 WELL V	OLUME = (T = (OTAL WE	ELL DEPTH fee		C DEPTH TO		X WELL	CAPACI	TY	s/foot	=	gallons
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	TEMP.	Δ	pH (su)	Δ	COND. (μS)	Δ	DO (mg/L)	Δ	TURB IDITY (NTU)	Δ	COLOR	ODOF
305		(galloris)	20.6	_	6.8	_	115	-	111	-	6.4	-	qr	Slyl
ELL CA	PACITY (Gallo	ns Per Foot):	0.75 " = 0.0	2; 1" =	0.04; 1.28	5" = 0.06;	2" = 0.16;	3 " = 0.3	7; 4 " = 0.68	5; 5" =	1.02;	6" = 1.	47; 12 " =	5.88
					SAI	MDL IN	CDATA							
	D BY (PRINT)	000		SAMP	LER(S) SIGN		G DATA		SAMPLING				SaS	:
UMP OR EPTH IN	R TUBING WELL (feet):	_		TUBIN	LER(S) SIGN	NATURE(S			SAMPLING 121 (2) FIELD-FILT Filtration Ed	ERED:	Y	1	305 FILTER	
UMP OR EPTH IN UPLICA	TUBING	D: Y	CATION	TUBIN	LER(S) SIGI IG RIAL CODE:	NATURE(S	s):		12/12	ERED: quipment	Y Type:	1	FILTER	
JMP OR EPTH IN UPLICA SAMI	TUBING NWELL (feet): TE COLLECTE PLE CONTAIN # CONTAINER S	D: Y ER SPECIFIC MATERIA L CODE	CATION	TUBIN MATEI	LER(S) SIGI IG RIAL CODE:	NATURE(S	RVATION VOL I FIELD	FINAL pH	FIELD-FILT Filtration Ed INTENI ANALY AND/O	ERED: quipment DED 'SIS DR OD	Y Type:	MPLIN	FILTER	SIZE: AMPLE PUMP FLOW RATE
JMP OR EPTH IN UPLICA	TUBING N WELL (feet): TE COLLECTE PLE CONTAIN # CONTAINER	D: Y ER SPECIFIC MATERIA	CATION	TUBIN	G RIAL CODE: SAMPI ERVATIVE	LE PRESE TOTAL ADDED IN	RVATION VOL I FIELD		FIELD-FILT Filtration Ed	ERED: quipment DED 'SIS DR OD	Y Type:	MPLIN	FILTER IG S	SIZE: AMPLE PUMP FLOW RATE
JMP OR EPTH IN UPLICA SAMI	TUBING NWELL (feet): TE COLLECTE PLE CONTAIN # CONTAINER S	D: Y ER SPECIFIC MATERIA L CODE	CATION	TUBIN	G RIAL CODE: SAMPI ERVATIVE JSED	LE PRESE TOTAL ADDED IN	RVATION VOL I FIELD	рН	FIELD-FILT Filtration Ed INTENI ANALY AND/O	ERED: quipment DED 'SIS DR OD	Y Type:	AMPLIN UIPME CODE	FILTER IG S	AMPLE PUMP FLOW RATE ml/min)

SAMPLING EQUIPMENT CODES:

ESP = Electric Submersible Pump;

O = Other (Specify)

 APP = After Peristaltic Pump;
 B = Bailer;
 BP = Bladder Pump;
 ESP = Elect

 RFPP = Reverse Flow Peristaltic Pump;
 SM = Straw Method (Tubing Gravity Drain);

NAME:	(06	stul	76				ITE OCATION:	Flo	onence,	SC	-			
WELL NO:	MW -	24			SAMPL	E ID:	73 53	8-1	was)	DATE	13	1-3-	14
		12	.99 tsd											
		_		15	PU		DATA	DV4	LOTATIO	DEDTU	1- 6	Lou	IRGE PUM	ID TVDE
VELL IAMETEI	R (inches):	L Total V	Vell Depth (fee	13		DEPTH:	REEN INTE	/3 fee	t TOWAT	ER (fee	10.81	OF	R BAILER:	RFPK
VELL VO	LUME PURGE	: 1 WELL V	OLUME = (TO = (12.97			C DEPTH TO	WATER) feet)	V AAFFF	AFACI	1.1		0.39	gallons
		CUMUL.		105.77	0		0.81	Т	0.	8			0, 55	
TIME	VOLUME PURGED (gallons)	VOLUME PURGED (gallons)	TEMP. (°C)	Λ	pH (su)	Δ	COND. (µS)	۸	DO (mg/L)	۸	TURB IDITY (NTU)	۸	COLOR	ODOR
308		_	20.1	-	6.9	_	93	111	2,4	_	+/000	-	clay	DIM
315	1.0	1.0	20.0	0.1	6.6	0.3	89	14		-	t/000	1	Chip	++
326	1.0	2.0	19.6	0.4	6.5	0.1	85	14		-	313	-	dis	++
331	0.5	2.5	19.5	0.1	65	0	85	0		-	49	264	ل ملي اي	4
343	1.0	3.5	19.7	0.4	6.6	0.1	83	2	, , , , , , , , , , , , , , , , , , ,	+	21	28	CW	++
352	0.5	4.0	20.0	al	6.6	0	85	3		+-	18	3	CW	+
400	0.5	4.5	20.0	0	6.5	0.1	83	12		-	9.5	85	4	1
								+		-		├		+
				_				+		+	-	-	-	+-
										+-		-		+
								-		+		├-	-	+-
	1													
	-							+		+	-	⊢	-	+
VELL CA	PACITY (Gallo	ons Per Foot):	0.753 = 0.02	2; 1"=	0.04; 1.2 5	5" = 0.06;	2" = 0.16;	3" = 0.3	7; 433 = 0.65	5"	= 1.02;	6" = 1.	47; 12 "	= 5.88
VELL CA	APACITY (Gallo	ons Per Foot):	0.75 " = 0.02	2; 1"=	0.04; 1.2 8	5" = 0.06;	2 ** = 0.16;	3" = 0.3	7; 4" = 0.65	; 5"	= 1.02;	6" = 1.	47; 12 "	= 5.88
VELL CA	APACITY (Gallo	ons Per Foot):	0.75" = 0.02	2; 1"=			2" = 0.16; G DATA		7; 4" = 0.65	5; 5"	= 1.02;	6"=1.	47; 12"	= 5.88
	D BY (PRINT)		0.75 ³³ = 0.02			MPLIN	G DATA		SAMPLING		= 1.02;	SAMF	LING TIME	
SAMPLE	DBY (PRINT)		0.75** = 0.02	SAMPI	SAI LER(S) SIGN	MPLIN NATURE (S	G DATA		SAMPLING	DATE:		SAMF	LING TIME	: :
AMPLEI Dunke UMP OR	BY (PRINT) BUT R TUBING	ch	0.75" = 0.02	SAMPI	SAI LER(S) SIGN	MPLIN NATURE (S	G DATA		SAMPLING	DATE:	Y 20	SAMF	LING TIME	
SAMPLED DUNK DUMP OR DEPTH IN	DBY (PRINT)	ch 12	0.75" = 0.02	SAMPI	SAI LER(S) SIGN	MPLIN NATURE (S	G DATA		SAMPLING	DATE:	Y 20	SAMF	LING TIME	E: R SIZE:
DUNK DUMP OR DEPTH IN	D BY (PRINT) R TUBING N WELL (feet):	ch Distriction Distriction	0	SAMPI	SAI LER(S) SIGI G RIAL CODE:	MPLIN NATURE (S	G DATA		SAMPLING	DATE:	t Type:	SAMF	FILTEI	R SIZE: SAMPLE PUMP FLOW RATE
SAMPLEC DUMP OR DEPTH IN DUPLICA SAM	D BY (PRINT) R TUBING N WELL (feet): TE COLLECTE	ch Distriction Distriction	0	SAMPI TUBIN MATEI	SAI LER(S) SIGI G RIAL CODE:	MPLIN NATURE (S	G DATA S): R VATION VOL N FIELD		SAMPLING 12/3 FIELD-FILT Filtration Ed	DATE:	t Type:	SAMF	FILTEI	R SIZE: SAMPLE PUMP FLOW RATE
SAMPLEC DUMP OR DEPTH IN DUPLICA SAM	D BY (PRINT) R TUBING N WELL (feet): TE COLLECTE PLE CONTAIN GONTAINER	ED: Y	CATION	SAMPI TUBIN MATEI	SAI LER(S) SIGH G RIAL CODE: SAMPI	MPLIN NATURE (S	G DATA S): R VATION VOL N FIELD	FINAL	SAMPLING 12/3 FIELD-FILT Filtration Ed	DATE: ERED: uipmen DED SIS OR OD	Y Type:	SAMF	FILTEI	R SIZE:
SAMPLEC DUMP OR DEPTH IN DUPLICA SAM SAMPLE	D BY (PRINT) R TUBING N WELL (feet): TE COLLECTE PLE CONTAIN GONTAINER S	ED: Y IER SPECIFIC MATERIA L © DE	CATION VOLUME	SAMPI TUBIN MATEI	SAI LER(S) SIGH G G RIAL CODE: SAMPI	MPLIN NATURE (S	G DATA S): R VATION VOL N FIELD	FINAL	SAMPLING 12.13 FIELD-FILT Filtration Ed INTENI ANALY AND/METH	DATE: PERED: Julipm en DED PSIS DR OD	Y Type:	SAMF NAMPLIN UIPME CODE	FILTEI	R SIZE: SAMPLE PUMP FLOW RATE
SAMPLEC DUMP OR DEPTH IN DUPLICA SAMPLE	D BY (PRINT) R TUBING N WELL (feet): TE COLLECTE PLE CONTAIN CONTAINER 8	ID: Y IER SPECIFIE MATERIA L CODE CG	CATION VOLUME 40 ml	SAMPI TUBIN MATEI	SAI LER(S) SIGH G RIAL CODE: SAMPI ERVATIVE USED	MPLIN NATURE (S	G DATA S): R VATION VOL N FIELD	FINAL	SAMPLING 12.23 FIELD-FILT Filtration Ed INTENI ANALY AND/ METH	DATE: ERED: uipmen DED SIS OR OD	Y Type:	SAMF NAMPLIN UIPME CODE	FILTEI	R SIZE: SAMPLE PUMP FLOW RATE
SAMPLEC DUMP OR DEPTH IN DUPLICA SAM SAMPLE	D BY (PRINT) R TUBING N WELL (feet): TE COLLECTE PLE CONTAIN CONTAINER S 3 3	IBD: Y IER SPECIFIE MATERIA L © DE CG CG	CATION VOLUME 40 ml 40 ml	SAMPI TUBIN MATEI	SAI LER(S) SIGN G RIAL CODE: SAMPI ERWATIVE USED CL	MPLIN NATURE (S	G DATA S): R VATION VOL N FIELD	FINAL	SAMPLING 12.13 FIELD-FILT Filtration Ed INTENI ANALY AND/ METH 8260	DATE: ERED: uipmen DED SIS OR OD	Y Type:	SAMF NAMPLIN UIPME CODE	FILTEI	R SIZE: SAMPLE PUMP FLOW RATE
SAMPLEC DUMP OR DEPTH IN DUPLICA SAM SAMPLE	D BY (PRINT) R TUBING N WELL (feet): TE COLLECTE PLE CONTAIN CONTAINER S 3 3	IBD: Y IER SPECIFIE MATERIA L © DE CG CG	CATION VOLUME 40 ml 40 ml	SAMPI TUBIN MATEI	SAI LER(S) SIGN G RIAL CODE: SAMPI ERWATIVE USED CL	MPLIN NATURE (S	G DATA S): R VATION VOL N FIELD	FINAL	SAMPLING 12.13 FIELD-FILT Filtration Ed INTENI ANALY AND/ METH 8260	DATE: ERED: uipmen DED SIS OR OD	Y Type:	SAMF NAMPLIN UIPME CODE	FILTEI	R SIZE: SAMPLE PUMP FLOW RATE
DUNK DUMP OR DEPTH IN	D BY (PRINT) R TUBING N WELL (feet): TE COLLECTE PLE CONTAIN CONTAINER S 3 3	IBD: Y IER SPECIFIE MATERIA L © DE CG CG	CATION VOLUME 40 ml 40 ml	SAMPI TUBIN MATEI	SAI LER(S) SIGN G RIAL CODE: SAMPI ERWATIVE USED CL	MPLIN NATURE (S	G DATA S): R VATION VOL N FIELD	FINAL	SAMPLING 12.13 FIELD-FILT Filtration Ed INTENI ANALY AND/ METH 8260	DATE: ERED: uipmen DED SIS OR OD	Y Type:	SAMF NAMPLIN UIPME CODE	FILTEI	R SIZE: SAMPLE PUMP FLOW RATE

STABILIZATION CRITERIA

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

PP = Polypropylene;

B = Bailer; BP = Bladder Pump; ESP = Electromp; SM = StrawMethod (Tubing Gravity Drain);

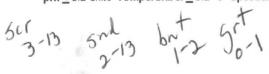
PE = Polyethylene;

CG = Clear Glass;

APP = After Peristaltic Pump; B = Bo RFPP = Reverse FlowPeristaltic Pump; S = Silicone;

T = Teflon;

ESP = Electric Submersible Pump;



MATERIAL CODES: AG = Am ber Glass;

SAMPLING EQUIPMENT CODES:

ITE IAME:	Coa	tal 7	16			S	ITE OCATION:	Flon	ence,s	c				
VELL NO:		1-25			SAMPI	LE ID: (353	8-1	ence,s IW25		DATE	12	-3-1	4
			1.95 to	rd	BU									
VELL			ell Depth (fe	-43.		_	DATA CREEN INTE	RVAL	STATIC	DEPTH	10.6	(PL	RGE PUM	P TYPE_
IAMETER (_			13	DEPTH:	3 feet to		et TOWAT	ER (fee	a'r ,	OF	BAILER:	3FPP
VELL VOLU	ME PURGE:	: 1 WELL V	OLUME = (T	12.0			C DEPTH TO		X WELL C		gallons	/foot	0.37	gallons
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	TEMP. (°C)	Λ	pH (su)	Λ	COND. (µS)	A	DO (mg/L)	Λ	TURB IDITY (NTU)	Λ	COLOR	ODOR
433	~	_	21.3	_	7.2	-	93	-	1.9	-	4000	_	day	Opa
445	1.0	1.0	20-9	0.4	6-8	04	89	4			H600	-	die	1
156	1.0	2.0	20.6	03	6.4	04	87	2			509	_	dif	\vdash
505 6	0,5	25	20.8	0.3	6.4	0	88	d		-	200	309	die	\vdash
	0.5	3.0	20.8	0	6.5	0-1	88	0		_	26	174	dr	\vdash
	0.5	3.5	20.7	101	6.5	0	27			-	13	13	alo	1
530 1	1.5	5.0	20.8	01	6.4	0.1	87	0		-	9.2	3.8	OV/	1
								-						
				-			1	+		1				_
				 	<u> </u>	 		+		1				T
				t	İ	i –		1	İ	1	i –			
WELL CAPA	ACITY (Gallo	ns Per Foot):	0.75 " = 0.03	Z; 1 ″=			G DATA		7; 4" = 0.65	5"	= 1.02,	b " = 1.	47, 12" =	5.00
Danie	1 12.	ah		SAMP	LER(S) SIGI	NATURE (S	S):		SAMPLING	DATE:	1		S30	
UMP OR TU	UBING	12		TUBIN	IG RIAL CODE:	PE	=		FIELD-FILTI Filtration Eq	RED:	Y Z	>	FILTER	SIZE:
DEPTH IN W	COLLECTE		O	IMAIL	MAL CODE.	- 1			1 madoriza	uipiii oi	1 1 100.			
SAMPLI	E CONTAIN	ER SPECIFIC			SAMP	LE PRESE	RVATION		INTEND ANALY AND/O METHO	SIS R	EQ	MPLIN JIPMEI CODE	G NT	AMPLE PUMP FLOW RATE (ml/min)
SAMPLE ID GODE	# GONTAINER S	MATERIA L CODE	VOLUME		SERVATIVE USED	TOTAL ADDED I (m	N FIELD	FINAL pH						
	3	CG	40 ml	H	ICL		/	/	8260	В	RF	PP		1
	3	CG	40 ml		HCL		/	/	8011			1		
	1	PE	250 ml	H	INO3				6010		,	/		
						'						1		
REMARKS:														
	CODES: A	G = AmberG	lass; CG =	: Clear G	lass; PE	= Polyethy	tene; PP	= Polyprop	oylene; S = S	Silicone	T = Te	eflon;	O = Other	(Specify

STABILIZATION CRITERIA

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

501 3 5 mg 13 br 2 90-1

OITE							NITE	Flore	nce					
NAME:	Morriss Oil C	Company	Co	as ta	176	L	OCATIO	N: Sparten	bura. SOU	TH CA	ROLIN	Α		
/ELL NO	M	1-26			SAMP				-Mwa		DATE		-3-1	4
			14.807	4.1							,	, -	4	
		T =		-	PU	RGING						d si	1005 5111	
VELL DIAMETE	R (inches):	2 Total V	Well Depth (fee	et): / (5	100,000,000,000,000	44	INTERVAL et to /5 fe	et TO WAT				JRGE PUN R BAILER:	
VELL VO	LUME PURGE	: 1 WELL V				- STAT	IC DEPT	H TO WATER) X WELL	CAPACI	TY			
			= (14.	80 fee	et -	1.84	feet) × O.	16	gallon	s/foot	=0.47	gallon
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	TEMP. (°C)	Δ	pH (su)	Δ	CON (μS	Α	DO (mg/L)	Δ	TURB IDITY (NTU)	Δ	COLOR	ODO
114	_	_	21.1		6.8	_	106	,	27	_	H000)	auf	0,00
129	1,5	1.5	20.8	0.3	6.4	0.4	101	9			319	-	ale	1
136	0.5	2.0	20.7	21	6.4	0	96	9			100	212	an	
155	0.5	2.5	20,7	0	65	Ol	98	2			26	8(ch	
151	0,5	3.0	20.7	0	6.5	0	99	1		-	51	25	SCLOPY	4
203	0,5	3.5	20.7	0	6.6	0.1	101	2	-	-	13	38	CW	1
510	0.5	4.0	20.7	0	6.5	al	100			+-	9.1	39	CV	1
			-							-		-		-
			-				-			+	_	-		+
		-	-			-	-	_	-	+-		-		-
								_		+		+		+
		-	+	-					<u> </u>	+		-		+
			+							+				+
WELL 04	DAOITY (O. II	D - F - 10	0.750 0.00	4"	204 40		011 0	46 811 00	7. 411 0.05	- 511	4.00	0" 4	47 400	
WELL CA	PACITY (Gallo	ons Per Foot):	: 0.75 " = 0.02	2; 1"=	0.04; 1.2	5 " = 0.06;	2" = 0.	.16; 3 " = 0.3	37; 4 " = 0.65	; 5″=	= 1.02;	6" = 1.4	17; 12"	= 5.88
SAMPLET	BY (PRINT)			SAMP	SAI LER(S) SIGI	MPLIN		IA	SAMPLING	DATE:		SAMP	LING TIME	
Duni		nh		O tivii	D(0)	15	٥,٠			114		15	A 11.1	
	RTUBING	13		TUBIN		PE	-		FIELD-FILT	ERED:	Y	7	FILTER	R SIZE:
	WELL (feet): TE COLLECTE		1	MATE	RIAL CODE:	, ,	•		Filtration Eq	uipmen	т уре.			
									INTEN)ED				SAMPLE
SAMI	PLE CONTAIN	ER SPECIFIC	CATION		SAMPI	LE PRESE	RVATIO	N	ANALY AND/O	SIS	-0.555	MPLIN UIPMEI	100000	PUMP FLOW
									METH			CODE		RATE (ml/min)
SAMPLE D CODE	# CONTAINER S	MATERIA L CODE	VOLUME		SERVATIVE USED	TOTAL ADDED II (m	N FIELD	FINAL pH						,
	3	CG	40 ml	Н	CL		/	/	8260	В		RFF	P	1
	3	CG	40 ml		ICL	/			8011					
	1	PE	250ml	1-11	V03	/		/	601	2		V		/
											_			
	1	1		I					1					

STABILIZATION CRITERIA

REMARKS:

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

PP = Polypropylene;

BP = Bladder Pump;

S = Silicone;

T = Teflon; ESP = Electric Submersible Pump;

O = Other (Specify)

O = Other (Specify)

PE = Polyethylene;

B = Bailer;

RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain);

505-15 5 1 15 bot 9 5 6-2

MATERIAL CODES: AG = Amber Glass;

SAMPLING EQUIPMENT CODES:

CG = Clear Glass;

APP = After Peristaltic Pump;

SITE Morriss Oil Company Coasta | 76 SITE LOCATION: SOUTH CAROLINA

WELL NO: MW-27 SAMPLE ID: 03538 -MW27

DATE: 12-3-14

WELL		Total W	14.92 (ell Depth (fe		PU	_	G DATA	2\/ΔΙ	STATIC	DEDTI	4	П	JRGE PUM	DTVDE
	R (inches):	- Total VV	eli Deptii (le	16	5	DEPTH	and the second second			ER (fe	et)://.3	7 0	R BAILER:	
	LUME PURGE	1 WELL VO	DLUME = (T = (ELL DEPTH		11.37	WATER) feet)	X WELL C	APAC	ITY gallons		0.57	
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	ODOF
249	_	_	20.7	_	6-8	_	/11	_	2,5	_	4000	_	du	non
256	0.5	05	20.6	0.1	6.6	02	83	28 3			4/000	_	1	
304	0,5	1.0	20.4	0.2	6.5	6.1	80	3			50/	-		
312	0.5	1.5	20.4	0	6.4	0-1	81				192	309		
321	0.5	20	20.5	0.1	65	0.1	89	8			77	115	Yar	
330	1-0	3-0	205	0	6.5	0	86	3			31	46	art	
339	1-0	4.0	205	0	6:6	0.1	88	2			16	15		
1345	0.5	4.5	205	0	25	0,1	83	S			9.5	6.5	4	1

SAMPLING DATA SAMPLER(S) SIGNATURE(S): SAMPLING DATE: SAMPLING TIME: SAMPLED BY (PRINT) 12/3114 FIELD-FILTERED: 1345 Daniel Filtration Equipment Type: PUMP OR TUBING TUBING FILTER SIZE: MATERIAL CODE: DEPTH IN WELL (feet): 0 DUPLICATE COLLECTED: SAMPLE INTENDED SAMPLING **PUMP ANALYSIS** SAMPLE CONTAINER SPECIFICATION SAMPLE PRESERVATION **EQUIPMENT FLOW** AND/OR CODE RATE **METHOD** (ml/min) TOTAL VOL SAMPLE MATERIA PRESERVATIVE FINAL CONTAINER VOLUME ADDED IN FIELD USED ID CODE L CODE pH (mL) 3 HCL RFOP CG 40 ml 8260B 3 HCL 8011 CG 40 ml 250m HN03 PE 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; BP = Bladder Pump; B = Bailer; 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%

505-15 509 45 bot 4 5002

				COUNDANA		SITE -						
IAME: (Coastal	76 -	truck	Stop	l	OCATION:			LDATE			
): MW-			SAMF	LE ID:	3538	-MW	128	DATE	12/3	3/14	,
				PU	IRGINO	DATA						
WELL	,	/	Well Depth (fee	et): 13	1	CREEN INTER		STATIC DEP	TH 90-	1 PUR	GE PUMI	TYPE 200
VELL VO	R (inches):	1 WELL V	OLUME = (T	OTAL WELL DEPTH	DEPTH - STAT		feet WATER)	X WELL CAP	ACITY			
			= (et –	9.97	feet)	× 0.16	gallon	s/foot = (9.48	gallons
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	TEMP. (°C)	Δ pH (su)	Δ	COND. (μS)	Δ	DO (mg/L)	TURB IDITY (NTU)	Δ	COLOR	ODOR
501		_	21.3	- 6.9	_	104		2.9 -	4010		dy	about
18	1.0	1.0	21.1	0.2 6.6	0,3	121	17		1600		1/	1
,26	1.0	2.0	21.0	0-1 6-5	0.1	100	21		1600		V,	-
,39	1.0	3.0	24.	0.1 6.5	6	96	Ч		304	1.	44	\vdash
,43	0.9	3.5	21.1	0 6.5	0	95	0		192		1.11	\vdash
51	0.5	4.0	21.0	a 6.6	0	95	14		13	91 S	104	\vdash
03	1.0	5.0	21.0	0 6-6	1	96	10		9.0	111	W	
15	1.0	6.0	21.0	0 6.5	10.1	190	10		7.0	1711	/M	V
		-	+	 	+	1	+					
			+				1					
		-	1				+					
			1									
VELL C	APACITY (Gallo	ons Per Foot)	0.75 " = 0.0		25" = 0.06;		3 " = 0.37;	4" = 0.65;	5" = 1.02;	6" = 1.47	; 12" =	5.88
DAMEN E	D DV (DDINT)			SAMPLER(S) SIG		IG DATA		SAMPLING DA	TE:	SAMPLI	NG TIME	:
Dyn	DBY (PRINT)	ah		SAMIFEER(O) SIG	33	٥,		12/3/14	-	161		
PUMP O	R TUBING	12		TUBING	- 6	€		FIELD-FILTERE Filtration Equipm		9	FILTER	SIZE:
	N WELL (feet):		N	MATERIAL CODI	=: *			Tittation Equip	nent Type.			
SAN	MPLE CONTAIN	NER SPECIFI		SAMI	PLE PRES	ERVATION		INTENDED ANALYSIS AND/OR METHOD	0	AMPLING QUIPMENT CODE	r	AMPLE PUMP FLOW RATE ml/min)
SAMPLE ID CODE	CONTAINER S	MATERIA L CODE	VOLUME	PRESERVATIVE USED	ADDED	IN FIELD	FINAL pH					
	3	C6	4001	HCL		/	/	\$260B	R	FPP		_/
	3	C6	1	HCL				801		1		
	1	PE	250ml	HNO3	/			6010		V	_	
			1	1	1	1	1				1	
			-	-								

SAMPLING EQUIPMENT CODES:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass;

PE = Polyethylene;

 APP = After Peristaltic Pump;
 B = Bailer;
 BP = Bladder Pump;
 ESP = Electron Straw Method (Tubing Gravity Drain);

PP = Polypropylene; **S** = Silicone; **T** = Teflon;

ESP = Electric Submersible Pump; ravity Drain); O = Other (Specify)

ELL NIO	Loasta	1 16	Inuck	370	1		OCATION:	TUTE	nce,		DATE	Ē.	0 111	1
ELLNO	TW	-			SAMP	LE ID:						12	13/14	1.
					PII	RGING	DATA	A						
ELL		Total V	Well Depth (fer	et):		T	CREEN IN		STATIO	DEPTH	1	PI	JRGE PUM	P TYPE
	R (inches):	- AMELL N	OLUMP /T	OT 81 18/	II DEDTII	DEPTH:	feet			TER (fee		01	R BAILER:	
ELL VO	LUME PURGE	. I WELL V	= (UIALWE		- SIAII	CDEPIN) X	CAPACI		s/foot	=	gallon
	VOLUME	CUMUL.	75145		-0		COND				TURB	Τ		Π
TIME	PURGED (gallons)	VOLUME PURGED (gallons)	TEMP. (°C)	Λ	pH (su)	٨	COND (μS)	^	DO (mg/L)	٨	(NTU)	۸	COLOR	ODO
										-				-
										\pm				
		34								+		\vdash		+-
										+		\vdash		-
			+					_		+-		+		+
			+			<u> </u>		$\overline{}$		\top		t		t
	PACITY (Gallo	ns Per Foot).	: 0.75" = 0.02			MPLIN	G DAT		7; 4" = 0.6		= 1.02;		47; 12 " =	
EPTH IN	TUBING WELL (feet):	· ·		TUBIN	G RIAL CODE				FIELD-FIL Filtration E			4	FILTER	R SIZE:
UPLICA	TE COLLECTE	:D: Y	N	_					T				Is	AMPLE
SAM	PLE CONTAIN	ER SPECIFI	CATION		SAMP	LE PRESE	RVATION		ANAL AND METI	YSIS OR	EQ	MPLIN UIPME CODE	NT	PUMP FLOW RATE ml/min)
	# CONTAINER	MATERIA L CODE	VOLUME		ERVATIVE USED	TOTAL ADDED IN (ml	FIELD	FINAL pH						
AMPLE CODE	S										-			
	S			1			i		1		1		- 1	
	8													
	8						+							

SAMPLING EQUIPMENT CODES:

SITE NAME:	Coasta	1 76	Truck	Sto	0	L	OCATION:		ence, S	50	DATE			
VELL NO					SAMPI	LE ID:	3538	3 - Tu	rol		DATE	12	112/14	
					PU	RGING	DATA							
/ELL	D. (7 Total \	Well Depth (fe	et): 36	,	WELL S	CREEN INTE		STATIC	DEPTH	et):12.6	PL	JRGE PUM	
	R (inches):	: 1 WELL V		OTAL WEL	L DEPTH	- STAT	IC DEPTH TO	WATER)	X WELL	CAPAC	ITY			
			= (36	fee	t - \	265	feet)	× 0:	6	gallons	s/foot	=3.74	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	ODOF
50	-	_	20.6	- 1	7.0	-	104	_	1.8	_	4000	_	day	000
00	25	2.5	20,5	0.1	3	6-7	46	8		_	680	=	du	1
20	25	5.6	20.8	0.3 6	1. 1	0-2	78	18		-	192	486	aly	1
20	25	10.0	20.9	0	19	0	75	3		\vdash	152	40 70	Class	+
40	2.5	12.5	20.8	0.1	6.2	0	77	1			60	17	day	
SD	2.5	15.0	20.8	0	6.2	0	77	0			21	39	CV	
100	25	17.5	20.9	0.1	6.2	0	75	1			10	11	CV	V
								<u> </u>		-				
				-		-		-		+	-			-
			-					+		_	-		_	-
/ELL C	APACITY (Gallo	ons Per Foot)	0.75 " = 0.0	2; 1" = 0.	04; 1.25	5" = 0.06;	2 " = 0.16;	3 " = 0.3	7; 4" = 0.65	5"	= 1.02;	6" = 1.4	47; 12" =	5.88
					SAI	MPLIN	G DATA							
	D BY (PRINT)			SAMPLE	R(S) SIG	NATURE(S	5):		SAMPLING	2.00			LING TIME	:
PUMP OF	R TUBING	agn		TUBING					FIELD-FILT				FILTER	SIZE:
DEPTH I	WELL (feet):	ED: Y	- N	MATERIA	AL CODE:				Filtration Eq	uipmen	it Type:			
									INTEND	ED	T			AMPLE
SAM	PLE CONTAIN	IER SPECIFI	CATION		SAMPI	LE PRESE	ERVATION		ANALY AND/O	SIS DR	EQI	MPLIN UIPME CODE	NT	PUMP FLOW RATE ml/min)
SAMPLE	# CONTAINER S	MATERIA L CODE	VOLUME	PRESER		TOTAL ADDED II (m	N FIELD	FINAL pH						
D CODE	3	C6	4001	HC					8260	B):	3_		\rightarrow
D CODE		1/1	4000	140	1	_		_	601	_	+	1		4
OCODE	3	C6		111										
O CODE	3	PE	250001	HM	13				001	0	+	4		_
D CODE	3. 1			Hm	13				001	0				_

SAMPLING EQUIPMENT CODES:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass;

APP = After Peristaltic Pump; B = Bit RFPP = Reverse Flow Peristaltic Pump;

PE = Polyethylene; **PP** = Polypropylene;

B = Bailer; BP = Bladder Pump; ESP = Elect rump; SM = Straw Method (Tubing Gravity Drain);

S = Silicone;

T = Teflon;

ESP = Electric Submersible Pump; avity Drain); O = Other (Specify)

O = Other (Specify)

SITE NAME:	Co	astal	76			S	SITE . OCATION:	Flor	ina S	C				
WELL NO					SAMPI	E ID:	OCATION:	8 -	Twof	,	DATE	1	2-3-	14
					PU	RGING	DATA							
	R (inches):	_	ell Depth (fee	34	,	DEPTH:		36 fe		R (fee	t) Dir	9 PL	IRGE PUMI R BAILER:	
WELL VO	LUME PURGE		= (T	36	LL DEPTH fee	- STAT	0, 79	VATER) feet)			TY gallons	/foot	-4.03	gallons
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	TEMP. (°C)	Δ	pH (su)	۸	COND. (µS)	Λ	DO (mg/L)	Δ	TURB IDITY (NTU)	Λ	COLOR	ODOR
1115	_	_	21.4	_	7.2	_	132	_	1.9	_	+/600	_	an	non
125	2.5	2.5	22.6	0.3	6.8	6.4	119	17			321	_		
135	2.5	5.0	22.1	0.5	6-8	0'	114				104	217	V	
195	25	7.5	22.1	0	6.7	10-1	114	0			62	142	Slay	
1195	2.5	10.0	21.9	6.3	6.8	Oil	113	1			49	13		
205	25	12.5	21.8	0-1	6.7	Oil	119	2			28	21	Cly	
215	2.6	15.0	21.8	0	6-6	0.1	114				21	7	1	
225	2.5	17.5	21.8	0	6-7	Oil	114	0			13	8		
235	2.5	20-0	21.8	0	6,8,	01	113				//	2		
1245	2,5	22.5	21.9	7	6-8	0	112	1			8,4	2.6		N

SAMPLING DATA

RFPP = Reverse FlowPeristaltic Pump;

SAMPLER(S) SIGNATURE(S): SAMPLING TIME: SAMPLING DATE: SAMPLED BY (PRINT 2/3/14 FILTER SIZE: TURING FIELD-FILTERED: MATERIAL CODE Filtration Equipment Type DEPTH IN WELL (feet): DUPLICATE COLLECTED: SAMPLE INTENDED SAMPLING PUMP ANALYSIS SAMPLE CONTAINER SPECIFICATION SAMPLE PRESERVATION **EQUIPMENT** FLOW AND/OR CODE RATE METHOD (ml/min) TOTAL VOL # SAMPLE MATERIA PRESERVATIVE FINAL ADDED IN FIELD CONTAINER VOLUME ID CODE LOODE USED (mL) 3 HCL CG 40 ml 8260B 3 8011 CG 40 ml HCL 250 ml HNO3 6010 PE REMARKS MATERIAL CODES: AG = Amber Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone: T = Teflon; 0 = Other (Specify) CG = Clear Glass; SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;

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

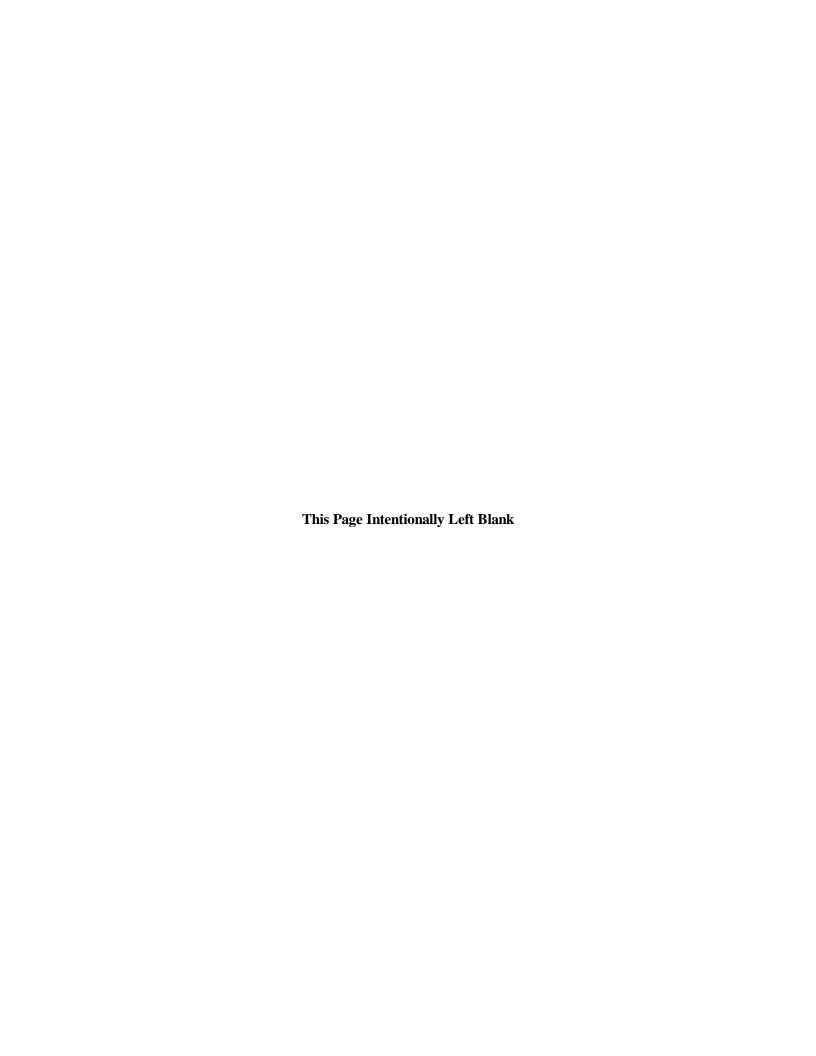
STABILIZATION CRITERIA

 $\textbf{pH:} \pm 0.2 \text{ units } \textbf{Temperature:} \pm 0.2 \text{ } \text{\%} \textbf{ Specific Conductance:} \pm 5\% \textbf{ Dissolved Oxygen:} \pm 0.2 \text{ mg/L or} \pm 10\% \textbf{ Turbidity:} \leq 10 \text{ NTU or} \pm 10\% \textbf{ Specific Conductance:} \pm 10\% \textbf{ Dissolved Oxygen:} \pm 10\% \textbf{ Specific Conductance:} \pm 10\% \textbf{ Specific Conductance:} \pm 10\% \textbf{ Dissolved Oxygen:} \pm 10\% \textbf{ Specific Conductance:} \pm 10\% \textbf{ Specific Conductance:} \pm 10\% \textbf{ Dissolved Oxygen:} \pm 10\% \textbf{ Specific Conductance:} \pm 10\% \textbf{ Specific Conductance:} \pm 10\% \textbf{ Specific Conductance:} \pm 10\% \textbf{ Dissolved Oxygen:} \pm 10\% \textbf{ Specific Conductance:} \pm 10\% \textbf{ Specific Conductance:} \pm 10\% \textbf{ Dissolved Oxygen:} \pm 10\% \textbf{ Specific Conductance:} \pm 10\% \textbf{ Specific Conductance:} \pm 10\% \textbf{ Dissolved Oxygen:} \pm 10\% \textbf{ Specific Conductance:} \pm 10\% \textbf{ Dissolved Oxygen:} \pm 10\% \textbf{$

SM = StrawMethod (Tubing Gravity Drain);

0 = Other (Specify)

30-36 and 39-36 bot 27-29 50+7



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.

* PJ 03068*

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.

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

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)

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)

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 Method Dilution Analysis Date Analyst Prep Date

Run Prep Method 1 5030B	Analytical Method 8260B		Analysis 10/08/2014	-	, ,	Batch 57793			
Parameter		(Num		Analytical Method	Result Q	PQL	MDL	Units	Run
Benzene		71-4	3-2	8260B	ND	1.0	0.13	ug/L	1
1,2-Dichloroethane		107-0	6-2	8260B	ND	1.0	0.15	ug/L	1
Ethylbenzene		100-4	1-4	8260B	ND	1.0	0.33	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-0	4-4	8260B	ND	1.0	0.40	ug/L	1
Naphthalene		91-2	0-3	8260B	ND	1.0	0.40	ug/L	1
Toluene		108-8	8-3	8260B	ND	1.0	0.33	ug/L	1
Xylenes (total)		1330-2	0-7	8260B	ND	1.0	0.33	ug/L	1
Surrogate	Q % I	Run 1 <i>A</i> Recovery	Acceptano Limits	ce					
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

N = Recovery is out of criteria

ND = Not detected at or above the MDL $J = Estimated result < PQL and <math>\geq MDL$ P = The RPD between two GC columns exceeds 40%Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

Page: 5 of 12 Level 1 Report v2.1

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

Description: GW13

Date Sampled:10/01/2014 1610 Date Received: 10/03/2014 Laboratory ID: PJ03068-002 Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run Prep Method 1 5030B	Analytical Method 8260B		Analysis 10/08/201	,		Batch 57793			
Parameter		(Num	CAS ber	Analytical Method	Result Q	PQL	MDL	Units	Run
Benzene		71-4	3-2	8260B	ND	1.0	0.13	ug/L	1
1,2-Dichloroethane		107-0	6-2	8260B	ND	1.0	0.15	ug/L	1
Ethylbenzene		100-4	1-4	8260B	ND	1.0	0.33	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-0	4-4	8260B	ND	1.0	0.40	ug/L	1
Naphthalene		91-2	0-3	8260B	ND	1.0	0.40	ug/L	1
Toluene		108-8	8-3	8260B	ND	1.0	0.33	ug/L	1
Xylenes (total)		1330-2	0-7	8260B	ND	1.0	0.33	ug/L	1
Surrogate	Q %	Run 1 <i>A</i> Recovery	Acceptan Limits	ce					
1,2-Dichloroethane-d4		95	70-130						
Bromofluorobenzene		92	70-130						
Toluene-d8		90	70-130						

PQL = Practical quantitation limit

B = Detected in the method blank

 $\label{eq:energy} E = \mbox{Quantitation of compound exceeded the calibration range}$

H = Out of holding timeN = Recovery is out of criteria

ND = Not detected at or above the MDL J = Estimated result < PQL and \geq MDL P = The RPD between two GC columns exceeds 40% Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

Page: 6 of 12 Level 1 Report v2.1

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

Description: GW11

Date Sampled:10/01/2014 1931 Date Received: 10/03/2014

Laboratory ID: PJ03068-003

Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run Prep Method 1 5030B	Analytical Method D 8260B	,	sis Date Analy 2014 1646 EH	•	Batch 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		un 1 Accept covery Limi						
1,2-Dichloroethane-d4		94 70-1	130				·	·
Bromofluorobenzene		94 70-1	130					
Toluene-d8		90 70-1	130					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range H = Out of holding time

N = Recovery is out of criteria

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

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

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

Description: GW08

Date Sampled:10/01/2014 1704 Date Received: 10/03/2014 Laboratory ID: PJ03068-004 Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run Prep Method 1 5030B	Analytical Method 8260B		nalysis Dat 0/08/2014 17	,		Batch 57793			
Parameter		C <i>A</i> Numb		alytical lethod	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	1-7	8260B	ND	1.0	0.33	ug/L	1
Surrogate		Run 1 Ac ecovery	cceptance 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

 $\label{eq:power_power} E = \mbox{Quantitation of compound exceeded the calibration range} \\ P = \mbox{The RPD between two GC columns exceeds 40\%}$

H = Out of holding timeN = Recovery is out of criteria

 $ND = Not \ detected \ at \ or \ above \ the \ MDL \qquad J = Estimated \ result < PQL \ and \ge MDL \qquad P = The \ RF \ Where \ applicable, \ all \ soil \ sample \ analysis \ are \ reported \ on \ a \ dry \ weight \ basis \ unless \ flagged \ with \ a \ "W"$

Shealy Environmental Services, Inc.

Description: GW07

Date Sampled:10/02/2014 0900 Date Received: 10/03/2014 Laboratory ID: PJ03068-005 Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run Prep Method 1 5030B	Analytical Method 8260B		,	s Date Analy 14 1832 EH	•	e Batch 57793			
Parameter		(Num	CAS ber	Analytical Method	Result Q	PQL	MDL	Units	Run
Benzene		71-4	3-2	8260B	ND	1.0	0.13	ug/L	1
1,2-Dichloroethane		107-0	6-2	8260B	ND	1.0	0.15	ug/L	1
Ethylbenzene		100-4	1-4	8260B	ND	1.0	0.33	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-0	14-4	8260B	ND	1.0	0.40	ug/L	1
Naphthalene		91-2	.0-3	8260B	ND	1.0	0.40	ug/L	1
Toluene		108-8	8-3	8260B	1.1	1.0	0.33	ug/L	1
Xylenes (total)		1330-2	20-7	8260B	ND	1.0	0.33	ug/L	1
Surrogate	Q %	Run 1 <i>A</i> Recovery	Acceptai Limits						
1,2-Dichloroethane-d4		94	70-13	0					
Bromofluorobenzene		93	70-13	0					
Toluene-d8		90	70-13	0					

PQL = Practical quantitation limit

Shealy Environmental Services, Inc.

B = Detected in the method blank

 $\label{eq:power_power} E = \mbox{Quantitation of compound exceeded the calibration range} \\ P = \mbox{The RPD between two GC columns exceeds 40\%}$

H = Out of holding timeN = Recovery is out of criteria

 $ND = Not \ detected \ at \ or \ above \ the \ MDL \qquad J = Estimated \ result < PQL \ and \ge MDL \qquad P = The \ RF \ Where \ applicable, \ all \ soil \ sample \ analysis \ are \ reported \ on \ a \ dry \ weight \ basis \ unless \ flagged \ with \ a \ "W"$

where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a w

Page: 9 of 12

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

Description: GW05

Date Sampled:10/01/2014 1910 Date Received: 10/03/2014

Laboratory ID: PJ03068-006

Matrix: Aqueous

Volatile	e Organic	Compounds	by	GC/MS
----------	-----------	-----------	----	-------

Run Prep Method 1 5030B	Analytical Method 8260B		Analysi: 10/08/20	,		Batch 57793			
Parameter		(Num	CAS iber	Analytical Method	Result Q	PQL	MDL	Units	Run
Benzene		71-4	13-2	8260B	ND	1.0	0.13	ug/L	1
1,2-Dichloroethane		107-0	06-2	8260B	ND	1.0	0.15	ug/L	1
Ethylbenzene		100-4	11-4	8260B	ND	1.0	0.33	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-0	04-4	8260B	ND	1.0	0.40	ug/L	1
Naphthalene		91-2	20-3	8260B	ND	1.0	0.40	ug/L	1
Toluene		108-8	38-3	8260B	ND	1.0	0.33	ug/L	1
Xylenes (total)		1330-2	20-7	8260B	ND	1.0	0.33	ug/L	1
Surrogate	Q % l	Run 1 / Recovery	Accepta Limits						
1,2-Dichloroethane-d4		94	70-13	0					
Bromofluorobenzene		93	70-13	O					
Toluene-d8		90	70-13	0					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range H = Out of holding time

N = Recovery is out of criteria

ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Description: GW03

Date Sampled:10/01/2014 1150 Date Received: 10/03/2014

Laboratory ID: PJ03068-007

Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run Prep Method 1 5030B	Analytical Method 1 8260B	,	sis Date Analy 2014 1750 EH		Batch 57793			
D		CAS	Analytical		DO!	MEL		
Parameter		Number	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		un 1 Accept ecovery Lim						
1,2-Dichloroethane-d4	_	95 70-1	30					
Bromofluorobenzene		93 70-1	30					
Toluene-d8		92 70-1	30					

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

N = Recovery is out of criteria

 $J = Estimated result < PQL and <math>\geq MDL$ P = The RPD between two GC columns exceeds 40%Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Description: GW06

Date Sampled:10/02/2014 0800 Date Received: 10/03/2014 Laboratory ID: PJ03068-008 Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run Prep Method 1 5030B	Analytical Method 8260B		Analysi: 10/08/20	,		Batch 57793			
Parameter		(Num	CAS Iber	Analytical Method	Result Q	PQL	MDL	Units	Run
Benzene		71-4	13-2	8260B	ND	1.0	0.13	ug/L	1
1,2-Dichloroethane		107-0	06-2	8260B	ND	1.0	0.15	ug/L	1
Ethylbenzene		100-4	11-4	8260B	ND	1.0	0.33	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-0)4-4	8260B	ND	1.0	0.40	ug/L	1
Naphthalene		91-2	20-3	8260B	ND	1.0	0.40	ug/L	1
Toluene		108-8	38-3	8260B	ND	1.0	0.33	ug/L	1
Xylenes (total)		1330-2	20-7	8260B	ND	1.0	0.33	ug/L	1
Surrogate	Q %	Run 1 <i>A</i> Recovery	Acceptai Limits						
1,2-Dichloroethane-d4		94	70-13	0					
Bromofluorobenzene		92	70-13	0					
Toluene-d8		91	70-13	0					

PQL = Practical quantitation limit

B = Detected in the method blank

 $\label{eq:energy} E = \mbox{Quantitation of compound exceeded the calibration range}$

H = Out of holding timeN = Recovery is out of criteria

ND = Not detected at or above the MDL J = Estimated result < PQL and \geq MDL P = The RPD between two GC columns exceeds 40% Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

Page: 12 of 12

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

SHEALY ENVIRONMENTAL SERVICES, INC. Chain of Custody Record

106 Vantage Point Drive • West Columbia, SC 29172 Telephone No. 803-791-9700 Fax No. 803-791-8111 www.shealylab.com

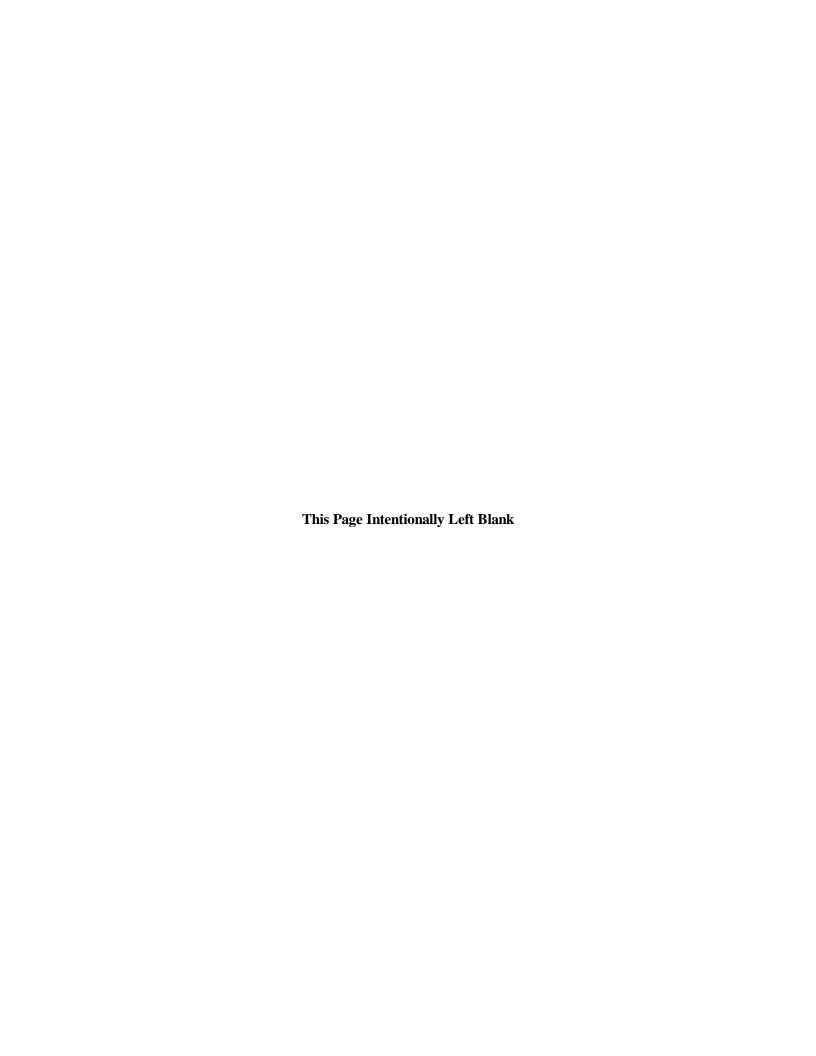
Number 40811

							Oracle Me
Do Jesus		Report to Contact	7532		Leginore no. / E-may Leginore no. / E-may	mos.vo	Choir NO.
Address		Sampler's Signature		1	Analysis (Attach list if there space is needed)	6	_
2435 E, North St, stc. 1108-202		1		\			Page of
Cay State Zp		Minned Name					
, V							PJ03068
	P.O. No.	de.	Matrix	No of Contenens by Preservable Type			
Sample 10 / Description (Containers for each sample may be combined on one Ms.)	Date	000-0 0-0 000-0	Sarding Manay SEV AVE	AN SEOS HORN KOH KONH HOSEH			Remarks / Cooler I.D.
GWOI	10/2/14 O	0910GX		~~			, , aA/RC
	H/1/01	X 10191		C6			N V
	of 4/1/01	1931 X		ત		_	Scrain
8000	1 11/1/01	1704 X		9		1	00,00
(3\v07	O HICO	0900		~			
	10/1/14	1910 X		<6		_	
	1 4111/91	1150		حرو		-	
	10/2/14/0	0800		ব			
Turn Around Time Required (Prior lab appraise required for expedited TAT.)		Sample Disposal		Possible Hazard Identification		- 60	is (Specify)
X Standard Rush (Specify)	_	Return to Client	Disposal by Lab	☐ Relum to Clear X Disposal by Lab X Non-Hazard ☐ Fernmable	le 🗆 Stire Initant Li Poison 🗀 Unknown	NYON!	Screw and
1. Antiquationed by		Date [0]3/14	7327	1. Precedent .		UN 3/14	1327 J
2. Reinquished by		Oste	Типе	2. Received by		Date	Time
3. Retinquished by		Dete	Time	3. Received by		Date	Time
4. Relinquished by		200 14	726	4. Laboratory received by	/	F 500	الأوره
Note: All samples are relained for four weeks from receipt unloss other arrangements are made.	ed for four week	s from receipt ade.		LAB USE ONLY Received on toe (Circle)	Ye No ke Pack Receipt Temp 6.0	ه و	

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)

lient: <u>Petra Te</u>	Cooler Inspected by/date: MCm/100314 Lot #: 8003068
Means of receipt: S	ESI Client UPS FedEx Airborne Exp Other
Yes No No	Were custody seals present on the cooler?
Yes No NA	
	erature upon receipt/Derived (corrected) temperature upon receipt:
156/6.0°C	/ / °C / / °C / / °C
	Blank Against Bottles IR Gun ID: #3 IR Gun Correction Factor: 6.7°C
	Wet Ice Blue Ice Dry Ice None
	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified?
	DM notified by SRC phone note (circle one) other
Yes 🔲 No 🔲 NA 🗹	(For coolers received via commercial courier, PMs are to be notified
	immediately.)
Yes No No NA	
Yes No	5. Were proper custody procedures (relinquished/received) followed?
Yes No No NA	
Yes No 🗆	6. Were sample IDs listed on the COC?
Yes No D	7. Were sample IDs listed on all sample containers?
Yes No	8. Was collection date & time listed on the COC?
Yes No	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?
	15. Were all samples received within ½ the holding time or 48 hours, whichever
Yes 🔽 No 🗆	comes first?
Yes No V	16. Were any samples containers missing?
Yes No No	17. Were there any excess samples not listed on COC?
Yes No No NA	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes No NA	4
Yes No No NA	
7 D V D V D	21. Were all applicable NH3/TKN/cyanide/phonol (<0.2mg/L) samples free of
Yes 🗌 No 🗌 NA 🛭	residual emorme?
Yes No No NA	22. Were collection temperatures documented on the COC for NC samples?
Yes No No NA	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations,
Yes No No NA	etc) correctly transcribed from the COC into the comment section in LIMS?
Yes No 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 re	
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 Proje	ect 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	
Comments:	
улиныца.	
W	



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

KellgMName



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.

* PL05073*

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.

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

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary Petra-Tech Environmental

Lot	Number:	DΙ	05072
LOI	number:	PL	.05073

1001 IGWA R	Sample Number	Sample ID	Matrix Date Sampled	d Date Received
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 1345 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 1455 12/05/2014 010 03538-MW28 Aqueous 12/03/2014 1615 12/05/2014 011 TRIP BLANK 1 Aqueous 12/03/2014 1205/2014 12/05/2014 012 03538-MW21 Aqueous 12/03/2014 1330 12/05/2014 013 03538-MW18 Aqueous 12/03/2014 1430 12/05/2014 014 03538-MW18 Aqueous 12/03/2014 1400 12/05/2014 015 03538-MW16 Aqueous 12/03/2014 1500 12/05/2014 016 <	001	IGWA R	Aqueous 12/03/2014 16:	30 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 1615 12/05/2014 010 03538-MW28 Aqueous 12/03/2014 12/05/2014 011 TRIP BLANK 1 Aqueous 12/03/2014 12/05/2014 012 03538-MW21 Aqueous 12/03/2014 1430 12/05/2014 013 03538-MW24 Aqueous 12/03/2014 1400 12/05/2014 014 03538-MW24 Aqueous 12/03/2014 160 12/05/2014 015 03538-MW22 Aqueous 12/03/2014 150 12/05/2014 016 03538-MW22 Aqueous 12/03/2014 150 12/05/2014 017 03538-MW23	002	IGWA	Aqueous 12/03/2014 16:	20 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 1615 12/05/2014 010 03538-MW28 Aqueous 12/03/2014 1615 12/05/2014 011 TRIP BLANK 1 Aqueous 12/03/2014 1330 12/05/2014 012 03538-MW21 Aqueous 12/03/2014 1330 12/05/2014 013 03538-MW19 Aqueous 12/03/2014 1300 12/05/2014 014 03538-MW24 Aqueous 12/03/2014 1400 12/05/2014 015 03538-MW19 Aqueous 12/03/2014 1500 12/05/2014 016 03538-MW12 Aqueous 12/03/2014 1500 12/05/2014 017 03538-MW22 Aqueous 12/03/2014 1500 12/05/2014 018 035	003	03538-MW06	Aqueous 12/03/2014 160	00 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 1615 12/05/2014 010 03538-MW28 Aqueous 12/03/2014 1615 12/05/2014 011 TRIP BLANK 1 Aqueous 12/03/2014 1330 12/05/2014 012 03538-MW21 Aqueous 12/03/2014 1430 12/05/2014 013 03538-MW19 Aqueous 12/03/2014 1400 12/05/2014 014 03538-MW24 Aqueous 12/03/2014 1650 12/05/2014 015 03538-MW22 Aqueous 12/03/2014 1500 12/05/2014 016 03538-MW22 Aqueous 12/03/2014 1500 12/05/2014 017 03538-MW23 Aqueous 12/03/2014 1500 12/05/2014 018 03538-MW23 Aqueous 12/03/2014 1205 12/05/2014 020 TRI	004	03538-MW22D	Aqueous 12/03/2014 15:	50 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 1450 12/05/2014 015 03538-MW24 Aqueous 12/03/2014 1450 12/05/2014 016 03538-MW22 Aqueous 12/03/2014 1500 12/05/2014 017 03538-MW23 Aqueous 12/03/2014 1500 12/05/2014 019 03538-MW23 Aqueous 12/03/2014 1200 12/05/2014 020 TRIP BLANK 3 Aqueous 12/03/2014 1230 12/05/2014 021 03538-	005	03538-MW27	Aqueous 12/03/2014 13	45 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 1330 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 1650 12/05/2014 015 03538-MW18 Aqueous 12/03/2014 1650 12/05/2014 016 03538-MW12 Aqueous 12/03/2014 1500 12/05/2014 017 03538-MW17 Aqueous 12/03/2014 1500 12/05/2014 018 03538-MW23 Aqueous 12/03/2014 1200 12/05/2014 020 TRIP BLANK 3 Aqueous 12/03/2014 1245 12/05/2014 021 03538-MW26 Aqueous 12/03/2014 1230 12/05/2014 022 0	006	03538-MW07	Aqueous 12/03/2014 16/	40 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 1500 12/05/2014 017 03538-MW23 Aqueous 12/03/2014 1500 12/05/2014 018 03538-MW23 Aqueous 12/03/2014 1245 12/05/2014 019 03538-MW23 Aqueous 12/03/2014 1245 12/05/2014 020 TRIP BLANK 3 Aqueous 12/03/2014 1245 12/05/2014 021 03538-MW25 Aqueous 12/03/2014 1250 12/05/2014 022 0	007	03538-MW04	Aqueous 12/03/2014 13	15 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 150 12/05/2014 016 03538-MW22 Aqueous 12/03/2014 150 12/05/2014 017 03538-MW23 Aqueous 12/03/2014 150 12/05/2014 018 03538-MW23 Aqueous 12/03/2014 1205 12/05/2014 019 03538-TW02 Aqueous 12/03/2014 1245 12/05/2014 020 TRIP BLANK 3 Aqueous 12/03/2014 1245 12/05/2014 021 03538-MW25 Aqueous 12/03/2014 1230 12/05/2014 022 03538-MW02 Aqueous 12/03/2014 1230 12/05/2014 023 03538-MW06 Aqueous 12/03/2014 1200 12/05/2014 025	800	DUP B	Aqueous 12/03/2014 13:	20 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 1500 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 12/03/2014 1200 12/05/2014 023 03538-MW08 Aqueous 12/03/2014 1200 12/05/2014 025 03538-MW16 Aqueous 12/03/2014 1430 12/05/2014 026 </td <td>009</td> <td>03538-MW20</td> <td>Aqueous 12/03/2014 14/</td> <td>45 12/05/2014</td>	009	03538-MW20	Aqueous 12/03/2014 14/	45 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 1500 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 1530 12/05/2014 021 03538-MW25 Aqueous 12/03/2014 1530 12/05/2014 022 03538-MW02 Aqueous 12/03/2014 1200 12/05/2014 023 03538-MW08 Aqueous 12/03/2014 1200 12/05/2014 024 03538-MW06 Aqueous 12/03/2014 1510 12/05/2014 025 03538-MW16 Aqueous 12/03/2014 120 12/05/2014 <t< td=""><td>010</td><td>03538-MW28</td><td>Aqueous 12/03/2014 16</td><td>15 12/05/2014</td></t<>	010	03538-MW28	Aqueous 12/03/2014 16	15 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 1245 12/05/2014 021 03538-MW25 Aqueous 12/03/2014 1530 12/05/2014 022 03538-MW02 Aqueous 12/03/2014 1230 12/05/2014 023 03538-MW08 Aqueous 12/03/2014 1200 12/05/2014 024 03538-MW26 Aqueous 12/03/2014 1430 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	011	TRIP BLANK 1	Aqueous 12/03/2014	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 1530 12/05/2014 021 03538-MW25 Aqueous 12/03/2014 1530 12/05/2014 022 03538-MW02 Aqueous 12/03/2014 1230 12/05/2014 023 03538-MW08 Aqueous 12/03/2014 1200 12/05/2014 024 03538-MW06 Aqueous 12/03/2014 1510 12/05/2014 025 03538-MW16 Aqueous 12/03/2014 1215 12/05/2014 026 03538-MW10R Aqueous 12/03/2014 1215 12/05/2014 027 03538-MW01 Aqueous 12/03/2014 1200 12/05/2014	012	03538-MW21	Aqueous 12/03/2014 13:	30 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 12/03/2014 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 12/03/2014 1200 12/05/2014 028 03538-MW15 Aqueous 12/03/2014 1230 12/05/2014	013	03538-MW19	Aqueous 12/03/2014 14:	30 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 1530 12/05/2014 021 03538-MW25 Aqueous 12/03/2014 1530 12/05/2014 022 03538-MW02 Aqueous 12/03/2014 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 12/03/2014 1230 12/05/2014 028 03538-MW15 Aqueous 12/03/2014 1230 12/05/2014	014	03538-MW24	Aqueous 12/03/2014 140	00 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 1530 12/05/2014 021 03538-MW25 Aqueous 12/03/2014 1530 12/05/2014 022 03538-MW02 Aqueous 12/03/2014 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 12/03/2014 1200 12/05/2014 028 03538-MW15 Aqueous 12/03/2014 1230 12/05/2014	015	03538-MW18	Aqueous 12/03/2014 16	50 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 12/03/2014 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	016	03538-MW22	Aqueous 12/03/2014 15	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 12/03/2014 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 12/03/2014 1200 12/05/2014 028 03538-MW15 Aqueous 12/03/2014 1230 12/05/2014	017	03538-MW17	Aqueous 12/03/2014 150	00 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	018	03538-MW23	Aqueous 12/03/2014 130	00 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	019	03538-TW02	Aqueous 12/03/2014 12-	15 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	020	TRIP BLANK 3	Aqueous 12/03/2014	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	021	03538-MW25	Aqueous 12/03/2014 15:	30 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	022	03538-MW02	Aqueous 12/02/2014 12:	30 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	023	03538-MW08	Aqueous 12/03/2014 120	00 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	024	03538-MW26	Aqueous 12/03/2014 15	10 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	025	03538-MW16	Aqueous 12/03/2014 14:	30 12/05/2014
028 03538-MW15 Aqueous 12/03/2014 1230 12/05/2014	026	03538-MW10R	Aqueous 12/03/2014 12	15 12/05/2014
	027	03538-MW01	Aqueous 12/02/2014 120	00 12/05/2014
029 03538-MW03 Aqueous 12/02/2014 1300 12/05/2014	028	03538-MW15	Aqueous 12/03/2014 12:	30 12/05/2014
	029	03538-MW03	Aqueous 12/02/2014 130	00 12/05/2014
030 MW03 DUP Aqueous 12/02/2014 1305 12/05/2014	030	MW03 DUP	Aqueous 12/02/2014 130)5 12/05/2014
031 FIELD BLANK 1 Aqueous 12/02/2014 1313 12/05/2014	031	FIELD BLANK 1	Aqueous 12/02/2014 13	13 12/05/2014
032 FIELD BLANK 2 Aqueous 12/03/2014 1207 12/05/2014	032	FIELD BLANK 2	Aqueous 12/03/2014 120	07 12/05/2014
033 03538-MW11 Aqueous 12/03/2014 1530 12/05/2014	033	03538-MW11	Aqueous 12/03/2014 15:	30 12/05/2014
034 TRIP BLANK Aqueous 12/03/2014 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

Sampl	e 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
800	DUP B	Aqueous	tert-Amyl alcohol (TAA)	8260B	2800		ug/L	28
800	DUP B	Aqueous	Benzene	8260B	4000		ug/L	28
800	DUP B	Aqueous	Ethylbenzene	8260B	820		ug/L	28
800	DUP B	Aqueous	Naphthalene	8260B	640		ug/L	28
800	DUP B	Aqueous	Toluene	8260B	9600		ug/L	28
800	DUP B	Aqueous	Xylenes (total)	8260B	9500		ug/L	28
800	DUP B	Aqueous	1,2-Dibromoethane (EDB)	8011	2.0		ug/L	29
800	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

Sampl	e 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	Agueous	Xylenes (total)	8260B	4500		ug/L	66
022	03538-MW02	Aqueous	1,2-Dibromoethane (EDB)	8011	28		ug/L	67
022	03538-MW02	Aqueous		6010C	0.15		mg/L	68
023	03538-MW08	Aqueous	Lead	6010C	0.031		mg/L	71
024	03538-MW26	Aqueous		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		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		6010C	0.028		mg/L	80
027	03538-MW01	Agueous	tert-Amyl alcohol (TAA)	8260B	8800	J	ug/L	81
027	03538-MW01	•	Benzene	8260B	17000	J	ug/L	81
027	03538-MW01	•	Ethylbenzene	8260B	1500		ug/L	81
027	03538-MW01	Aqueous	Methyl tertiary butyl ether (MTBE)	8260B	250	J	ug/L	81
027	03538-MW01	•	Naphthalene	8260B	820	3	ug/L	81
027	03538-MW01	Aqueous	Toluene	8260B	27000		ug/L	81
027	03538-MW01	Aqueous		8260B	15000		ug/L	81
027	03538-MW01		1,2-Dibromoethane (EDB)	8011	210		ug/L	82
027	03538-MW01	Aqueous		6010C	0.63		mg/L	83
029	03538-MW03	Agueous	tert-Amyl alcohol (TAA)	8260B	2200		ug/L	87
029	03538-MW03	Aqueous	Benzene	8260B	2000		ug/L ug/L	87
029	03538-MW03	Aqueous	Ethylbenzene	8260B	1600		ug/L	87
029	03538-MW03	Aqueous	Naphthalene	8260B	780		ug/L ug/L	87 87
029	03538-MW03	Aqueous	Toluene	8260B	10000		ug/L	87
029	03538-MW03	•	Xylenes (total)	8260B	11000		ug/L ug/L	87 87
029	03538-MW03	-	1,2-Dibromoethane (EDB)	8011	3.5		ug/L ug/L	88
		·	•				=	
029	03538-MW03	Aqueous		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	e 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)

Client: Petra-Tech Environmental

Description: IGWA R

Laboratory ID: PL05073-001

Matrix: Aqueous

Date Sampled:12/03/2014 1630 Date Received: 12/05/2014

5030B

Run Prep Method

Analytical Method Dilution Analysis Date Analyst Prep Date Batch 8260B 12/08/2014 1624 62553

	CAS	Analytical						
Parameter	Number	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	un 1 Accept covery Limi							
1,2-Dichloroethane-d4	83 70-1							
Bromofluorobenzene	93 70-1							
Toluene-d8	89 70-1							
i diuerie-uo	07 /0-1	30						

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

 $\label{eq:J} J = Estimated \ result < PQL \ and \ge MDL$

P = The RPD between two GC columns exceeds 40%

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

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-001

Description: IGWA R

Matrix: Aqueous

Date Sampled:12/03/2014 1630 Date Received: 12/05/2014

Analytical Method Dilution Analysis Date Analyst Prep Date

Batch

Run Prep Method 2 8011

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

Run 2 Acceptance Q % Recovery Limits Surrogate

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

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

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. 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com Page: 8 of 129

Level 1 Report v2.1

Client: Petra-Tech Environmental

Description: IGWA R

Date Sampled:12/03/2014 1630
Date Received: 12/05/2014

Laboratory ID: PL05073-001

Matrix: Aqueous

 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

	CAS	Analytical						
Parameter	Number	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

 $\label{eq:energy} E = \mbox{Quantitation of compound exceeded the calibration range}$

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

Client: Petra-Tech Environmental

Petra-rech Environment

Description: IGWA

Laboratory ID: PL05073-002

Matrix: Aqueous

Date Sampled:12/03/2014 1620 Date Received: 12/05/2014

5030B

Run Prep Method

Analytical Method Dilution Analysis Date Analyst Prep Date Batch 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	Run 1 Acceptai Q % Recovery Limits						
1,2-Dichloroethane-d4	84 70-13	0			·		
Bromofluorobenzene	94 70-13	0					
Toluene-d8	89 70-13	0					

PQL = Practical quantitation limit

B = Detected in the method blank

 $\label{eq:energy} E = \mbox{Quantitation of compound exceeded the calibration range}$

H = Out of holding time

ND = Not detected at or above the MDL J = E

J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-002

Description: IGWA

Matrix: Aqueous

Date Sampled:12/03/2014 1620

8011

Date Received: 12/05/2014

Run Prep Method

Analytical Method Dilution Analysis Date 12/08/2014 2227

Analyst Prep Date MEM 12/08/2014 0913 62518

Batch

L	MDL	Units	Run

1,2-Dibromoethane (EDB)

Parameter

Surrogate

Number 106-93-4

CAS

Method 8011

Analytical

Result Q 2.0

PQ 0.099

0.099 ug/L

2

1,1,1,2-Tetrachloroethane

% Recovery 110

Run 2

Q

Limits 57-137

Acceptance

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

 $J = Estimated \ result < PQL \ and \ge MDL$ Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Client: Petra-Tech Environmental

Description: IGWA

Date Sampled:12/03/2014 1620
Date Received: 12/05/2014

Laboratory ID: PL05073-002

Matrix: Aqueous

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

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

PQL = Practical quantitation limit

B = Detected in the method blank

 $\label{eq:energy} \textbf{E} = \textbf{Quantitation of compound exceeded the calibration range}$

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

Page: 12 of 129

Client: Petra-Tech Environmental

8260B

Laboratory ID: PL05073-003

Description: 03538-MW06

Matrix: Aqueous

Date Sampled:12/03/2014 1600 Date Received: 12/05/2014

5030B

Run Prep Method

Analytical Method Dilution Analysis Date Analyst Prep Date Batch 12/08/2014 1154 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	Run 1 Accept Q % Recovery Limi						
1,2-Dichloroethane-d4	90 70-1	30					
Bromofluorobenzene	94 70-1	30					
Toluene-d8	95 70-1	30					

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

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

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"

Page: 13 of 129 Level 1 Report v2.1

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

Client: Petra-Tech Environmental

Laboratory ID: PL05073-003

Description: 03538-MW06

Matrix: Aqueous

Date Sampled:12/03/2014 1600 Date Received: 12/05/2014

1,1,1,2-Tetrachloroethane

Analytical Method Dilution Analysis Date Analyst Prep Date

98

Batch

Run Prep Method 8011 12/08/2014 1442 MEM 12/08/2014 0913 62518

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

57-137

Run 1 Acceptance Q % Recovery Limits Surrogate

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

 $J = Estimated \ result < PQL \ and \ge MDL$ Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

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

Client: Petra-Tech Environmental

Description: 03538-MW06 Date Sampled:12/03/2014 1600 Laboratory ID: PL05073-003

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method 3005A

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

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

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-004

Description: 03538-MW22D Date Sampled:12/03/2014 1550 Date Received: 12/05/2014

Matrix: Aqueous

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	Run 1 Accept Q % Recovery Lim						
1,2-Dichloroethane-d4	89 70-1	130					
Bromofluorobenzene	93 70-1	130					
Toluene-d8	93 70-1	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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-004

Description: 03538-MW22D

Date Sampled:12/03/2014 1550

8011

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method

Analytical Method Dilution Analysis Date Analyst Prep Date 12/08/2014 1452 MEM 12/08/2014 0913 62518

Batch

CAS	Analytical	

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 Accept % Recovery Limi						

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

 $J = Estimated result < PQL and <math>\geq MDL$ Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Page: 17 of 129

Client: Petra-Tech Environmental

Description: 03538-MW22D Date Sampled:12/03/2014 1550 Laboratory ID: PL05073-004

Matrix: Aqueous

Date Received: 12/05/2014

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

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

PQL = Practical quantitation limit

B = Detected in the method blank

 $\label{eq:energy} \textbf{E} = \textbf{Quantitation of compound exceeded the calibration range}$

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

Client: Petra-Tech Environmental

Laboratory ID: PL05073-005

Description: 03538-MW27

Date Sampled:12/03/2014 1345 Date Received: 12/05/2014

Matrix: Aqueous

Run Prep Method Analytical Method Dilution Analysis Date Analyst Prep Date Batch 1 5030B 8260B 12/08/2014 1239 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	Run 1 Accepta Q % Recovery Limits						
1,2-Dichloroethane-d4	91 70-13	80		·			
Bromofluorobenzene	94 70-13	80					
Toluene-d8	94 70-13	80					

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-005

Description: 03538-MW27

Date Sampled:12/03/2014 1345

8011

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method

Analytical Method Dilution Analysis Date Analyst Prep Date Batch

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	Run 1 Accep ecovery Lim	otance nits						
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

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

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. 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com Page: 20 of 129

Level 1 Report v2.1

Client: Petra-Tech Environmental

Description: 03538-MW27 Date Sampled:12/03/2014 1345 Laboratory ID: PL05073-005

Matrix: Aqueous

Date Received: 12/05/2014

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

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

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range P = The RPD between two GC columns exceeds 40%

H = Out of holding time

 $ND = Not \ detected \ at \ or \ above \ the \ MDL \qquad J = Estimated \ result < PQL \ and \ge MDL \qquad P = The \ RF \ Where \ applicable, \ all \ soil \ sample \ analysis \ are \ reported \ on \ a \ dry \ weight \ basis \ unless \ flagged \ with \ a \ "W"$

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-006

Description: 03538-MW07

Date Sampled:12/03/2014 1640

5030B

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method

Analytical Method Dilution Analysis Date Analyst Prep Date Batch 8260B 12/08/2014 1709 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	Run 1 Accepta Q % Recovery Limi						
1,2-Dichloroethane-d4	81 70-1	30				•	
Bromofluorobenzene	95 70-1	30					
Toluene-d8	89 70-1	30					

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-006

0.020

Description: 03538-MW07

Date Sampled:12/03/2014 1640

0011

Matrix: Aqueous

0.020

Units

ug/L

Run

Date Received: 12/05/2014

1,2-Dibromoethane (EDB)

Run Prep Method

Analytical Method Dilution Analysis Date Analyst Prep Date Batch 12/08/2014 1513 MEM 12/08/2014 0913

8011

ND

'	0011	0011	1 12/00/2	2014 1313 WEI	VI 12/00/2014 09	13 02310	
			CAS	Analytical			
Paramet	ter		Number	Method	Result Q	PQL	MDL

106-93-4

Run 1 Acceptance Q % Recovery Surrogate 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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

 $J = Estimated \ result < PQL \ and \ge MDL$ Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: Petra-Tech Environmental

Description: 03538-MW07 Date Sampled:12/03/2014 1640 Laboratory ID: PL05073-006

Matrix: Aqueous

Date Sampled: 12/03/2014 1
Date Received: 12/05/2014

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

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

PQL = Practical quantitation limit

B = Detected in the method blank

 $\label{eq:energy} \textbf{E} = \textbf{Quantitation of compound exceeded the calibration range}$

H = Out of holding time

 $ND = Not \ detected \ at \ or \ above \ the \ MDL \qquad J = Estimated \ result < PQL \ and \ge MDL \qquad P = The \ RF \ Where \ applicable, \ all \ soil \ sample \ analysis \ are \ reported \ on \ a \ dry \ weight \ basis \ unless \ flagged \ with \ a \ "W"$

P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria

Shealy Environmental Services, Inc.

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

Page: 24 of 129 Level 1 Report v2.1

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 5030B 8260B 200 12/08/2014 1732 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	Run 1 Accepta Q % Recovery Limit						
1,2-Dichloroethane-d4	83 70-13	30					
Bromofluorobenzene	96 70-13	30					
T 1 10	00 70 10						

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-007

Description: 03538-MW04

Date Sampled:12/03/2014 1315

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method 8011

Analytical Method Dilution Analysis Date Analyst Prep Date Batch 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 Accep % Recovery Lim							
1,1,1,2-Tetrachloroethane	_	117 57-	137						

PQL = Practical quantitation limit

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

B = Detected in the method blank

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

 $J = Estimated result < PQL and <math>\geq MDL$ Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: Petra-Tech Environmental

Description: 03538-MW04 ate Sampled:12/03/2014 1315 Laboratory ID: PL05073-007

Matrix: Aqueous

Date Sampled:12/03/2014 1315 Date Received: 12/05/2014

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

	CAS	Analytical							
Parameter	Number	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

 $\label{eq:power_power} E = \mbox{Quantitation of compound exceeded the calibration range} \\ P = \mbox{The RPD between two GC columns exceeds 40\%}$

H = Out of holding time

 $ND = Not \ detected \ at \ or \ above \ the \ MDL \qquad J = Estimated \ result < PQL \ and \ge MDL \qquad P = The \ RF \ Where \ applicable, \ all \ soil \ sample \ analysis \ are \ reported \ on \ a \ dry \ weight \ basis \ unless \ flagged \ with \ a \ "W"$

N = Recovery is out of criteria

Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-008

Description: DUP B

Run Prep Method

1

Matrix: Aqueous

Date Sampled:12/03/2014 1320 Date Received: 12/05/2014

5030B

Analytical Method Dilution Analysis Date Analyst Prep Date Batch 8260B 12/08/2014 1754 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	Run 1 Accept Q % Recovery Lim						
1,2-Dichloroethane-d4	83 70-1	30					
Bromofluorobenzene	96 70-1	30					
Toluene-d8	89 70-1	30					

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

 $\label{eq:J} J = Estimated \ result < PQL \ and \ge MDL$

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

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 8011

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

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

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

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

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. 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com Page: 29 of 129

Level 1 Report v2.1

Client: Petra-Tech Environmental

Description: DUP B

Date Sampled:12/03/2014 1320
Date Received: 12/05/2014

Laboratory ID: PL05073-008

Matrix: Aqueous

 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

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

PQL = Practical quantitation limit

B = Detected in the method blank

 $\label{eq:energy} \textbf{E} = \textbf{Quantitation of compound exceeded the calibration range}$

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"

Page: 30 of 129

Level 1 Report v2.1

Client: Petra-Tech Environmental

Laboratory ID: PL05073-009

Description: 03538-MW20

Matrix: Aqueous

Date Sampled:12/03/2014 1445 Date Received: 12/05/2014

5030B

Run Prep Method

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

Parameter	Num	CAS nber	Analytical Method	Result	Q PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-8	85-4	8260B	ND	20	6.7	ug/L	1
tert-Amyl methyl ether (TAME)	994-0	05-8	8260B	ND	10	0.20	ug/L	1
Benzene	71-4	43-2	8260B	ND	1.0	0.13	ug/L	1
tert-Butyl formate (TBF)	762-7	75-4	8260B	ND	5.0	1.0	ug/L	1
1,2-Dichloroethane	107-0	06-2	8260B	ND	1.0	0.15	ug/L	1
Diisopropyl ether (IPE)	108-2	20-3	8260B	ND	1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-9	95-3	8260B	ND	20	1.0	ug/L	1
Ethanol	64-	17-5	8260B	ND	100	33	ug/L	1
Ethylbenzene	100-4	41-4	8260B	ND	1.0	0.33	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-9	92-3	8260B	ND	1.0	0.20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-0	04-4	8260B	ND	1.0	0.40	ug/L	1
Naphthalene	91-2	20-3	8260B	ND	1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-0	65-0	8260B	ND	20	6.7	ug/L	1
Toluene	108-8	38-3	8260B	ND	1.0	0.33	ug/L	1
Xylenes (total)	1330-2	20-7	8260B	ND	1.0	0.33	ug/L	1
Surrogate	Run 1 Q % Recovery	Acceptar 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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

 $J = Estimated result < PQL and <math>\geq MDL$ Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Analytical

Method

8011

Client: Petra-Tech Environmental

Laboratory ID: PL05073-009

Description: 03538-MW20

Date Sampled:12/03/2014 1445

Matrix: Aqueous

MDL

0.019

Date Received: 12/05/2014

Analytical Method Dilution Analysis Date Analyst Prep Date

Batch

Run Prep Method 8011

12/08/2014 1544

Number

106-93-4

CAS

MEM 12/08/2014 0913 62518

Result

ND

Q

PQL

0.019

Units Run ug/L

Surrogate

Parameter

Run 1 Acceptance

Q

% Recovery Limits

1,1,1,2-Tetrachloroethane

1,2-Dibromoethane (EDB)

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

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

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.

Page: 32 of 129 Level 1 Report v2.1

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

Client: Petra-Tech Environmental

Description: 03538-MW20

Laboratory ID: PL05073-009 Matrix: Aqueous

Date Sampled:12/03/2014 1445

Date Received: 12/05/2014

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

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

PQL = Practical quantitation limit

B = Detected in the method blank

 $\label{eq:energy} \textbf{E} = \textbf{Quantitation of compound exceeded the calibration range}$

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

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	Run 1 Accept Q % Recovery Limi	ance ts					
1,2-Dichloroethane-d4	91 70-1	30					
Bromofluorobenzene	92 70-1	30					
Toluene-d8	94 70-1	30					

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

Client: Petra-Tech Environmental

Laboratory ID: PL05073-010

Description: 03538-MW28

Date Sampled:12/03/2014 1615

Matrix: Aqueous

Date Received: 12/05/2014

Analytical Method Dilution Analysis Date Analyst Prep Date

Batch 2014 0913 62518

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep [
1	8011	8011	1	12/08/2014 1554	MEM	12/08/20

Parameter		CA: Numbe	,	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	4 8011	ND		0.020	0.020	ug/L	1
Run 1 Acceptance Surrogate Q % Recovery 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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

 $J = Estimated result < PQL and <math>\geq MDL$ Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: Petra-Tech Environmental

Description: 03538-MW28
Date Sampled:12/03/2014 1615

Laboratory ID: PL05073-010

Matrix: Aqueous

Date Received: 12/05/2014

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

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

PQL = Practical quantitation limit

B = Detected in the method blank

 $\label{eq:energy} \textbf{E} = \textbf{Quantitation of compound exceeded the calibration range}$

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

Client: Petra-Tech Environmental

Laboratory ID: PL05073-011

Description: TRIP BLANK 1

5030B

Date Sampled:12/03/2014

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method

Analytical Method Dilution Analysis Date Analyst Prep Date Batch 8260B 12/08/2014 1109 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	Run 1 Accept Q % Recovery Limi						
1,2-Dichloroethane-d4	90 70-1	30					
Bromofluorobenzene	93 70-1	30					
Toluene-d8	94 70-1	30					

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

 $\label{eq:J} J = Estimated \ result < PQL \ and \ge MDL$ Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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 C) 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	Run 1 Accep Q % Recovery Lim						
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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

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

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 12/08/2014 1605

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		ptance mits						
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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

 $J = Estimated result < PQL and <math>\geq MDL$ Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

Page: 39 of 129 Level 1 Report v2.1

Client: Petra-Tech Environmental

Description: 03538-MW21 Date Sampled:12/03/2014 1330 Laboratory ID: PL05073-012

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method 3005A

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

	CAS	Analytical							
Parameter	Number	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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-013

Description: 03538-MW19

Matrix: Aqueous

Date Sampled:12/03/2014 1430 Date Received: 12/05/2014

5030B

Run Prep Method

Analytical Method Dilution Analysis Date Analyst Prep Date Batch 8260B 12/08/2014 1409 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	Run 1 Accept Q % Recovery Limi	ance ts					
1,2-Dichloroethane-d4	92 70-1	30					
Bromofluorobenzene	93 70-1	30					
Toluene-d8	95 70-1	30					

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

 $\label{eq:J} J = Estimated \ result < PQL \ and \ge MDL$ Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: Petra-Tech Environmental

Laboratory ID: PL05073-013

Description: 03538-MW19

Date Sampled:12/03/2014 1430

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method 8011

Analytical Method Dilution Analysis Date Analyst Prep Date Batch

12/08/2014 1615 MEM 12/08/2014 0913 62518

Surrogate	Q	Run 1 Accept % Recovery Lim						
1,2-Dibromoethane (EDB)		106-93-4	8011	ND	0.020	0.020	ug/L	1
Parameter		CAS Number	Analytical Method	Result	Q PQL	MDL	Units	Run

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 P = The RPD between two GC columns exceeds 40%

H = Out of holding time N = Recovery is out of criteria

ND = Not detected at or above the MDL $J = Estimated result < PQL and <math>\geq MDL$ Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Page: 42 of 129 Level 1 Report v2.1

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

Client: Petra-Tech Environmental

Description: 03538-MW19 Date Sampled:12/03/2014 1430 Laboratory ID: PL05073-013

Matrix: Aqueous

Date Received: 12/05/2014

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

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

PQL = Practical quantitation limit

B = Detected in the method blank

 $\label{eq:power_power} E = \mbox{Quantitation of compound exceeded the calibration range} \\ P = \mbox{The RPD between two GC columns exceeds 40\%}$

H = Out of holding time

 $ND = Not \ detected \ at \ or \ above \ the \ MDL \qquad J = Estimated \ result < PQL \ and \ge MDL \qquad P = The \ RF \ Where \ applicable, \ all \ soil \ sample \ analysis \ are \ reported \ on \ a \ dry \ weight \ basis \ unless \ flagged \ with \ a \ "W"$

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-014

Description: 03538-MW24

Matrix: Aqueous

Date Sampled:12/03/2014 1400 Date Received: 12/05/2014

5030B

Run Prep Method

Analytical Method Dilution Analysis Date Analyst Prep Date Batch 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	Run 1 Accept Q % Recovery Limi						
1,2-Dichloroethane-d4	92 70-1	30					
Bromofluorobenzene	95 70-1	30					
Toluene-d8	94 70-1	30					

PQL = Practical quantitation limit

B = Detected in the method blank

 $\label{eq:energy} E = \mbox{Quantitation of compound exceeded the calibration range}$

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

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 8011

Analytical Method Dilution Analysis Date Analyst Prep Date Batch 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
Surrogata		otance					

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

 $J = Estimated result < PQL and <math>\geq MDL$ Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc. 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com Page: 45 of 129

Level 1 Report v2.1

Client: Petra-Tech Environmental

Description: 03538-MW24 Date Sampled:12/03/2014 1400 Laboratory ID: PL05073-014

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method 3005A

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

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

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

12/08/2014 1454

Client: Petra-Tech Environmental

8260B

Laboratory ID: PL05073-015

Description: 03538-MW18

Matrix: Aqueous

Date Sampled:12/03/2014 1650 Date Received: 12/05/2014

5030B

Run Prep Method

Analytical Method Dilution Analysis Date Analyst Prep Date Batch 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	Run 1 Accept Q % Recovery Limi	ance ts						
1,2-Dichloroethane-d4	93 70-1	30						
Bromofluorobenzene	96 70-1	30						
Toluene-d8	96 70-1	30						

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-015

Description: 03538-MW18

Date Sampled:12/03/2014 1650

Matrix: Aqueous

Date Received: 12/05/2014

Analytical Method Dilution Analysis Date Analyst Prep Date

Result

Batch

Run Prep Method 8011

Parameter

Q

12/08/2014 1636

CAS

Number

106-93-4

MEM 12/08/2014 0913 62518

Units	Run
- 41	

1,2-Dibromoethane (EDB)

Run 1

8011 Acceptance

Analytical

Method

ND

Q

PQL 0.019

MDL 0.019

ug/L

Surrogate 1,1,1,2-Tetrachloroethane % Recovery 107

Limits 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

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

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. 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com Page: 48 of 129

Level 1 Report v2.1

Client: Petra-Tech Environmental

Description: 03538-MW18 Date Sampled:12/03/2014 1650 Laboratory ID: PL05073-015

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method 3005A

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

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

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-016

Description: 03538-MW22

Matrix: Aqueous

Date Sampled:12/03/2014 1540 Date Received: 12/05/2014

Batch

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

94

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	Run 1 Accepta Q % Recovery Limit						
1,2-Dichloroethane-d4	88 70-1	30					
Bromofluorobenzene	94 70-1	30					

70-130

PQL = Practical quantitation limit

Toluene-d8

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-016

Description: 03538-MW22

Date Sampled:12/03/2014 1540

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method 8011

Analytical Method Dilution Analysis Date Analyst Prep Date Batch

12/08/2014 1646 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		otance nits					
1 1 1 2 Totrochloroothono		100 57	127					

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Description: 03538-MW22

Laboratory ID: PL05073-016 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 3005A 6010C 12/09/2014 1939 FTS 12/08/2014 0910 62509

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

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 $J = Estimated \ result < PQL \ and \ge MDL$ 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%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-017

Description: 03538-MW17

Date Sampled:12/03/2014 1500

5030B

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method

Analytical Method Dilution Analysis Date Analyst Prep Date Batch 8260B 12/08/2014 1817 62553

Parameter	CAS Number	,	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	Run 1 Acc Q % Recovery L	eptance .imits					
1,2-Dichloroethane-d4	81 7	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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-017

Description: 03538-MW17

Date Sampled:12/03/2014 1500

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method 8011

Analytical Method Dilution Analysis Date Analyst Prep Date Batch

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 Accept % Recovery Limi							

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 N = Recovery is out of criteria

ND = Not detected at or above the MDL $J = Estimated result < PQL and <math>\geq MDL$ P = The RPD between two GC columns exceeds 40%

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

Page: 54 of 129 Level 1 Report v2.1

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

Client: Petra-Tech Environmental

Description: 03538-MW17 Date Sampled:12/03/2014 1500 Laboratory ID: PL05073-017

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method 3005A

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

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

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

Client: Petra-Tech Environmental

Laboratory ID: PL05073-018

Description: 03538-MW23

Date Sampled:12/03/2014 1300 Date Received: 12/05/2014

Matrix: Aqueous

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

Parameter	C Numl	CAS Analytical per <u>Method</u>	Result	Q PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-8	5-4 8260B	ND	20	6.7	ug/L	1
tert-Amyl methyl ether (TAME)	994-0	5-8 8260B	ND	10	0.20	ug/L	1
Benzene	71-4	3-2 8260B	ND	1.0	0.13	ug/L	1
tert-Butyl formate (TBF)	762-7	5-4 8260B	ND	5.0	1.0	ug/L	1
1,2-Dichloroethane	107-0	6-2 8260B	ND	1.0	0.15	ug/L	1
Diisopropyl ether (IPE)	108-2	0-3 8260B	ND	1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-9	5-3 8260B	ND	20	1.0	ug/L	1
Ethanol	64-1	7-5 8260B	ND	100	33	ug/L	1
Ethylbenzene	100-4	1-4 8260B	ND	1.0	0.33	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-9	2-3 8260B	ND	1.0	0.20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-0	4-4 8260B	ND	1.0	0.40	ug/L	1
Naphthalene	91-2	0-3 8260B	ND	1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-6	5-0 8260B	ND	20	6.7	ug/L	1
Toluene	108-8	8-3 8260B	ND	1.0	0.33	ug/L	1
Xylenes (total)	1330-2	0-7 8260B	ND	1.0	0.33	ug/L	1
Surrogate	Run 1 A Q % 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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-018

Description: 03538-MW23

Run Prep Method

Matrix: Aqueous

Date Sampled:12/03/2014 1300 Date Received: 12/05/2014

8011

Analytical Method Dilution Analysis Date Analyst Prep Date

Batch 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	Run 1 Accep Recovery Lim							

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

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

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. 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com Page: 57 of 129

Level 1 Report v2.1

Client: Petra-Tech Environmental

Description: 03538-MW23 Date Sampled:12/03/2014 1300 Laboratory ID: PL05073-018

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method 3005A

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

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

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

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 12/08/2014 1602 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	Run 1 Accepta Q % Recovery Limit						
1,2-Dichloroethane-d4	83 70-1:	30					
Bromofluorobenzene	94 70-13	30					

89 70-130 Toluene-d8

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-019

Description: 03538-TW02

Matrix: Aqueous

Date Sampled:12/03/2014 1245 Date Received: 12/05/2014

Analytical Method Dilution Analysis Date Analyst Prep Date

CAS

Number

Result

Batch

PQL

Run Prep Method 8011

12/08/2014 1717

MEM 12/08/2014 0913 62518

Units	Run

Surrogate

Parameter

Run 1 Q % Recovery

106-93-4 8011 Acceptance

Analytical

Method

ND 0.019

Q

0.019

MDL

ug/L

1,1,1,2-Tetrachloroethane

1,2-Dibromoethane (EDB)

104

Limits 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

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

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. 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com Page: 60 of 129

Level 1 Report v2.1

Client: Petra-Tech Environmental

Description: 03538-TW02 Date Sampled:12/03/2014 1245 Laboratory ID: PL05073-019

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method 3005A

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

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

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-020

Description: TRIP BLANK 3

Matrix: Aqueous

Date Sampled:12/03/2014 Date Received: 12/05/2014

RunPrep MethodAnalytical MethodDilutionAnalysis DateAnalystPrep DateBatch15030B8260B112/08/2014 1131EH162553

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	Run 1 Acceptar Q % Recovery Limits						
1,2-Dichloroethane-d4	89 70-13	0					
Bromofluorobenzene	94 70-13	0					
Toluene-d8	94 70-13	0					

PQL = Practical quantitation limit

B = Detected in the method blank

 $\label{eq:energy} E = \mbox{Quantitation of compound exceeded the calibration range}$

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

Client: Petra-Tech Environmental

Laboratory ID: PL05073-021

Description: 03538-MW25

Date Sampled:12/03/2014 1530

5030B

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method

Analytical Method Dilution Analysis Date Analyst Prep Date Batch 8260B 12/08/2014 2327 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	Run 1 Accept Q % Recovery Lim	ance its					
1,2-Dichloroethane-d4	83 70-1	130					
Bromofluorobenzene	97 70-1	130					
Toluene-d8	88 70-1	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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-021

Description: 03538-MW25

Date Sampled:12/03/2014 1530

8011

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method

Analytical Method Dilution Analysis Date Analyst Prep Date Batch

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 Accept % Recovery Limi							

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Description: 03538-MW25 Date Sampled:12/03/2014 1530 Laboratory ID: PL05073-021

Matrix: Aqueous

Date Received: 12/05/2014

3005A

Run Prep Method

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

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

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

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

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"

Page: 65 of 129

Level 1 Report v2.1

Shealy Environmental Services, Inc.

Client: Petra-Tech Environmental

Laboratory ID: PL05073-022

Description: 03538-MW02

Date Sampled:12/02/2014 1230

5030B

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method

8260B

Analytical Method Dilution Analysis Date Analyst Prep Date 100 12/09/2014 0420

Batch 62607

Parameter	CAS Number	Analytical Method	Result C) 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	Run 1 Accept Q % Recovery Lim						
1,2-Dichloroethane-d4	85 70-1	30					
Bromofluorobenzene	96 70-1	30					
Toluene-d8	89 70-1	30					

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-022

Description: 03538-MW02

Date Sampled:12/02/2014 1230

8011

Matrix: Aqueous

Date Received: 12/05/2014 Run Prep Method

Analytical Method Dilution Analysis Date Analyst Prep Date

Batch

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 Accep % Recovery Lim							
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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

 $J = Estimated result < PQL and <math>\geq MDL$ Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: Petra-Tech Environmental

Description: 03538-MW02 Date Sampled:12/02/2014 1230 Laboratory ID: PL05073-022

Matrix: Aqueous

Date Received: 12/05/2014

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

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

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

Client: Petra-Tech Environmental

Laboratory ID: PL05073-023

Description: 03538-MW08

Matrix: Aqueous

Date Sampled:12/03/2014 1200 Date Received: 12/05/2014

5030B

Run Prep Method

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

Parameter	CA Numbe	,	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	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		ceptance 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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

 $J = Estimated result < PQL and <math>\geq MDL$ Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: Petra-Tech Environmental

Laboratory ID: PL05073-023

Description: 03538-MW08

Date Sampled:12/03/2014 1200

8011

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method

Analytical Method Dilution Analysis Date Analyst Prep Date Batch 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	Run 1 Acceptance Q % Recovery 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

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

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. 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com Page: 70 of 129

Level 1 Report v2.1

Client: Petra-Tech Environmental

Description: 03538-MW08

Date Sampled:12/03/2014 1200

Laboratory ID: PL05073-023

Matrix: Aqueous

Date Sampled:12/03/2014 12 Date Received: 12/05/2014

3005A

Run Prep Method

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

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

PQL = Practical quantitation limit

B = Detected in the method blank

 $\label{eq:energy} \textbf{E} = \textbf{Quantitation of compound exceeded the calibration range}$

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

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-024

Description: 03538-MW26

Matrix: Aqueous

Date Sampled:12/03/2014 1510 Date Received: 12/05/2014

5030B

Run Prep Method

1

Analytical Method Dilution Analysis Date Analyst Prep Date Batch 8260B 12/09/2014 0012 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	Run 1 Accept Q % Recovery Limi						
1,2-Dichloroethane-d4	81 70-1	30					
Bromofluorobenzene	95 70-1	30					
Toluene-d8	87 70-1	30					

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

 $\label{eq:J} J = Estimated \ result < PQL \ and \ge MDL$

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-024

Description: 03538-MW26

Matrix: Aqueous

Date Sampled:12/03/2014 1510 Date Received: 12/05/2014

Analytical Method Dilution Analysis Date Analyst Prep Date

Batch

Run Prep Method 8011

12/08/2014 1829 MEM 12/08/2014 0913 62538

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

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

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.

Page: 73 of 129

Level 1 Report v2.1

Client: Petra-Tech Environmental

Description: 03538-MW26 Date Sampled:12/03/2014 1510 Laboratory ID: PL05073-024

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method 3005A

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

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

 $J = Estimated \ result < PQL \ and \ge MDL$ Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: Petra-Tech Environmental

Laboratory ID: PL05073-025

Description: 03538-MW16

Date Sampled:12/03/2014 1430 Date Received: 12/05/2014

Matrix: Aqueous

Run Prep Method Analytical Method Dilution Analysis Date Analyst Prep Date Batch 5030B 8260B 12/09/2014 0035 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	Run 1 Acceptar Q % Recovery Limits						
1,2-Dichloroethane-d4	83 70-13	0					•
Bromofluorobenzene	97 70-13	0					
Toluene-d8	89 70-13	0					

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Analytical

Method

8011

Client: Petra-Tech Environmental

Laboratory ID: PL05073-025

Description: 03538-MW16

Matrix: Aqueous

MDL

0.020

Date Sampled:12/03/2014 1430 Date Received: 12/05/2014

Analytical Method Dilution Analysis Date Analyst Prep Date

Batch

Run Prep Method 8011

Parameter

Surrogate

12/08/2014 1840

CAS

Number

106-93-4

MEM 12/08/2014 0913 62538

Result

0.031

PQL

0.020

Units	Run
ug/L	1

1,2-Dibromoethane (EDB)

Run 1 Acceptance Q % Recovery 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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

 $J = Estimated \ result < PQL \ and \ge MDL$ Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

Page: 76 of 129 Level 1 Report v2.1

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

Client: Petra-Tech Environmental

Description: 03538-MW16 Date Sampled:12/03/2014 1430 Laboratory ID: PL05073-025

Matrix: Aqueous

Date Received: 12/05/2014

3005A

Run Prep Method

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

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

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 $J = Estimated \ result < PQL \ and \ge MDL$ P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-026

Description: 03538-MW10R

Date Sampled:12/03/2014 1215

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method Analytical Method Dilution Analysis Date Analyst Prep Date Batch 5030B 8260B 12/09/2014 0057 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	Run 1 Accepta Q % Recovery Limit						
1,2-Dichloroethane-d4	82 70-1	30				•	
Bromofluorobenzene	94 70-1	30					
Toluene-d8	86 70-1	30					

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-026

Description: 03538-MW10R

Matrix: Aqueous

Date Sampled:12/03/2014 1215 Date Received: 12/05/2014

Analytical Method Dilution Analysis Date Analyst Prep Date

Batch

Run Prep Method 8011

12/08/2014 1910

CAS

MEM 12/08/2014 0913 62538

Units	Run

1,2-Dibromoethane (EDB)

Number 106-93-4 Method 8011

Analytical

Result Q ND

PQL 0.021

MDL 0.021 ug/L

Surrogate 1,1,1,2-Tetrachloroethane

Parameter

% Recovery 94

Run 1

Q

Limits 57-137

Acceptance

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

 $J = Estimated \ result < PQL \ and \ge MDL$ Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc. 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com Page: 79 of 129

Level 1 Report v2.1

Client: Petra-Tech Environmental

Description: 03538-MW10R Date Sampled:12/03/2014 1215 Laboratory ID: PL05073-026

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method 3005A

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

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

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

500 12/09/2014 0527

Client: Petra-Tech Environmental

8260B

96

88

Laboratory ID: PL05073-027

62607

Description: 03538-MW01

Run Prep Method

Bromofluorobenzene

Toluene-d8

Matrix: Aqueous

Date Sampled:12/02/2014 1200 Date Received: 12/05/2014

5030B

Analytical Method Dilution Analysis Date Analyst Prep Date Batch

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	Run 1 Accep Q % Recovery Lim							
1,2-Dichloroethane-d4	83 70-	130					•	•

70-130

70-130

PQL = Practical quantitation limit

B = Detected in the method blank

 $\label{eq:energy} \mbox{\bf E} = \mbox{\bf Quantitation of compound exceeded the calibration range}$

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

Client: Petra-Tech Environmental

Laboratory ID: PL05073-027

Batch

Description: 03538-MW01

Date Sampled:12/02/2014 1200 Date Received: 12/05/2014

8011

Matrix: Aqueous

Run Prep Method

Analytical Method Dilution Analysis Date Analyst Prep Date 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
Run 2 Acceptance Surrogate Q % Recovery 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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Description: 03538-MW01 Date Sampled:12/02/2014 1200 Laboratory ID: PL05073-027

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method 1 3005A Analytical Method Dilution Analysis Date Analyst Prep Date Batch 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

 $\label{eq:energy} E = \mbox{Quantitation of compound exceeded the calibration range}$

H = Out of holding time

ND = Not detected at or above the MDL J = Es

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-028

Description: 03538-MW15

Matrix: Aqueous

Date Sampled:12/03/2014 1230 Date Received: 12/05/2014

5030B

Run Prep Method

1

Analytical Method Dilution Analysis Date Analyst Prep Date Batch 8260B 12/09/2014 0120 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	Run 1 Accept Q % Recovery Limi	ance ts					
1,2-Dichloroethane-d4	83 70-1	30					·
Bromofluorobenzene	95 70-1	30					
Toluene-d8	88 70-1	30					

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

 $\label{eq:J} J = Estimated \ result < PQL \ and \ge MDL$

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Analytical

Method

8011

Client: Petra-Tech Environmental

Laboratory ID: PL05073-028

Description: 03538-MW15

Date Sampled:12/03/2014 1230

Matrix: Aqueous

0.020

Date Received: 12/05/2014

Analytical Method Dilution Analysis Date

CAS

Number

106-93-4

Analyst Prep Date

Result

ND

Q

Batch

Run Prep Method 8011

Parameter

Surrogate

12/08/2014 1931

MEM 12/08/2014 0913 62538

PQL

0.020

MDL	Uni

Run its ug/L

1,2-Dibromoethane (EDB)

Run 1 Q % 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

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

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.

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

Page: 85 of 129 Level 1 Report v2.1

Client: Petra-Tech Environmental

Description: 03538-MW15
Date Sampled:12/03/2014 1230

Laboratory ID: PL05073-028

Matrix: Aqueous

Date Sampled:12/03/2014 12 Date Received: 12/05/2014

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

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

PQL = Practical quantitation limit

B = Detected in the method blank

 $\label{eq:energy} \mbox{\bf E} = \mbox{\bf Quantitation of compound exceeded the calibration range}$

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

Client: Petra-Tech Environmental

Laboratory ID: PL05073-029

Description: 03538-MW03

Date Sampled:12/02/2014 1300 Date Received: 12/05/2014

Matrix: Aqueous

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

88

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	Run 1 Accepta Q % Recovery Limi						
1,2-Dichloroethane-d4	85 70-1	30					
Bromofluorobenzene	96 70-1	30					

70-130

PQL = Practical quantitation limit

Toluene-d8

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

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 8011

Analytical Method Dilution Analysis Date Analyst Prep Date Batch 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	Run 2 Acceptance Ogate Q % Recovery Limits								
1,1,1,2-Tetrachloroethane	96	57-1	37						•

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

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

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. 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com Page: 88 of 129

Level 1 Report v2.1

Client: Petra-Tech Environmental

Description: 03538-MW03 Date Sampled:12/02/2014 1300 Laboratory ID: PL05073-029

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method 3005A

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

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

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-030

Batch

62607

Description: MW03 DUP

Date Sampled:12/02/2014 1305

5030B

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method

Analytical Method Dilution Analysis Date Analyst Prep Date 8260B 12/09/2014 0505

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 Accept % Recovery Limi						
1,2-Dichloroethane-d4	83 70-1	30					
Bromofluorobenzene	95 70-1	30					
Toluene-d8	89 70-1	30					

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-030

Description: MW03 DUP

Date Sampled:12/02/2014 1305

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method 8011

Analytical Method Dilution Analysis Date Analyst Prep Date

Batch 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 Accept % Recovery Limi							

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

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

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

Page: 91 of 129

Level 1 Report v2.1

Client: Petra-Tech Environmental

Description: MW03 DUP Date Sampled:12/02/2014 1305 Laboratory ID: PL05073-030

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method 3005A

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

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

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: Petra-Tech Environmental

Laboratory ID: PL05073-031

Description: FIELD BLANK 1 Date Sampled:12/02/2014 1313

5030B

Matrix: Aqueous

Date Sampled: 12/02/2014 13

Date Received: 12/05/2014

Run Prep Method

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

Parameter	CAS Number	Analytical	Result Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	Method 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
	Run 1 Accept	ance					
Surrogate	Q % Recovery Limi						
1,2-Dichloroethane-d4	80 70-1	30					
Bromofluorobenzene	95 70-1	30					
Toluene-d8	88 70-1	30					

PQL = Practical quantitation limit

B = Detected in the method blank

 $\label{eq:energy} E = \mbox{Quantitation of compound exceeded the calibration range}$

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"

Shealy Environmental Services, Inc.

Client: Petra-Tech Environmental

Laboratory ID: PL05073-031

Description: FIELD BLANK 1

Date Sampled:12/02/2014 1313

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method 8011

Analytical Method Dilution Analysis Date Analyst Prep Date Batch 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 Accept % Recovery Lim							

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

 $J = Estimated result < PQL and <math>\geq MDL$ Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: Petra-Tech Environmental

Description: FIELD BLANK 1 Date Sampled:12/02/2014 1313 Laboratory ID: PL05073-031

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method 3005A

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

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

 $J = Estimated \ result < PQL \ and \ge MDL$ Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: Petra-Tech Environmental

Laboratory ID: PL05073-032

Description: FIELD BLANK 2 Date Sampled:12/03/2014 1207 Matrix: Aqueous

Date Sampled:12/03/2014 1207 Date Received:12/05/2014

5030B

Run Prep Method

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

	CAS	Analytical					
Parameter	Number	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	Run 1 Accepta Q % Recovery Limi	ance ts					
1,2-Dichloroethane-d4	82 70-1	30					
Bromofluorobenzene	95 70-1	30					
Toluene-d8	89 70-1	30					

PQL = Practical quantitation limit

B = Detected in the method blank

 $\label{eq:energy} \mbox{\bf E} = \mbox{\bf Quantitation of compound exceeded the calibration range}$

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

Client: Petra-Tech Environmental

Laboratory ID: PL05073-032

Description: FIELD BLANK 2

Date Sampled:12/03/2014 1207

Matrix: Aqueous

Date Received: 12/05/2014

Analytical Method Dilution Analysis Date Analyst Prep Date

Batch

Run Prep Method 1 8011

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

57-137

Run 1 Acceptance Q % Recovery Limits Surrogate

1,1,1,2-Tetrachloroethane

109

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

 $J = Estimated \ result < PQL \ and \ge MDL$ Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

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

Client: Petra-Tech Environmental

Description: FIELD BLANK 2 Date Sampled:12/03/2014 1207 Laboratory ID: PL05073-032

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method 3005A

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

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

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

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

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.

Client: Petra-Tech Environmental

Laboratory ID: PL05073-033

Description: 03538-MW11

Date Sampled:12/03/2014 1530

5030B

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method

Analytical Method Dilution Analysis Date Analyst Prep Date Batch 8260B 12/09/2014 0142 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	Run 1 Accep Q % Recovery Lim						
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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

 $J = Estimated result < PQL and <math>\geq MDL$ Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: Petra-Tech Environmental

Laboratory ID: PL05073-033

Description: 03538-MW11

Date Sampled:12/03/2014 1530 Date Received: 12/05/2014

Matrix: Aqueous

Run Prep Method 8011

Analytical Method Dilution Analysis Date Analyst Prep Date Batch 12/08/2014 2023 MEM 12/08/2014 0913 62538

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

57-137

104

Run 1 Acceptance Q % Recovery Limits Surrogate

1,1,1,2-Tetrachloroethane

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

 $J = Estimated \ result < PQL \ and \ge MDL$ Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Page: 100 of 129

Level 1 Report v2.1

Client: Petra-Tech Environmental

Description: 03538-MW11 Date Sampled:12/03/2014 1530 Laboratory ID: PL05073-033

Matrix: Aqueous

Date Received: 12/05/2014

Run Prep Method 3005A

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

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

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Page: 101 of 129

Client: Petra-Tech Environmental

Laboratory ID: PL05073-034

Description: TRIP BLANK

5030B

Matrix: Aqueous

Date Sampled:12/03/2014 Date Received: 12/05/2014

Run Prep Method

Analytical Method Dilution Analysis Date Analyst Prep Date Batch 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	Run 1 Acce Q % Recovery Li	ptance mits					
1,2-Dichloroethane-d4	82 70)-130				·	
Bromofluorobenzene	96 70	0-130					
Toluene-d8	89 70	0-130					

PQL = Practical quantitation limit

B = Detected in the method blank

 $\label{eq:energy} \mbox{\bf E} = \mbox{\bf Quantitation of compound exceeded the calibration range}$

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"

Shealy Environmental Services, Inc.

QC Summary

Sample ID: PQ62553-001 Batch: 62553

Analytical Method: 8260B

Matrix: Aqueous Prep Method: 5030B

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 %I	Rec	Acceptance Limit				
Bromofluorobenzene	9	3	70-130		·		
1,2-Dichloroethane-d4	8	9	70-130				
Toluene-d8	9.	4	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

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

+ = RPD is out of criteria

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

Sample ID: PQ62553-002 Batch: 62553

Analytical Method: 8260B

Matrix: Aqueous Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L) Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	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 ≥ MDL

+ = RPD is out of criteria

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

Sample ID: PL05073-017MS

Batch: 62553

Matrix: Aqueous 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	Ν	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	Ν	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 % Re	Acce C L	ptance imit					
1,2-Dichloroethane-d4	80	70	0-130					
Bromofluorobenzene	94	70	0-130					
Toluene-d8	88	70	0-130					

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

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

Sample ID: PL05073-017MD

Batch: 62553

Matrix: Aqueous Prep Method: 5030B

Analytical Method: 8260B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPI	
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	Ν	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	Ν	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 % Re		eptance .imit							
1,2-Dichloroethane-d4	82	7	0-130			·		·		
Bromofluorobenzene	93	70	0-130							
Toluene-d8	90	70	0-130							

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

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

+ = RPD is out of criteria

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

Sample ID: PQ62607-001 Batch: 62607

Analytical Method: 8260B

Matrix: Aqueous Prep Method: 5030B

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

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

+ = RPD is out of criteria

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

Sample ID: PQ62607-002 Batch: 62607

Analytical Method: 8260B

Matrix: Aqueous Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L) Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	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	9 5	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

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

+ = RPD is out of criteria

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

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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

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

EDB & DBCP by Microextraction - LCS

Sample ID: PQ62518-002

Batch: 62518

Analytical Method: 8011

Prep Date: 12/08/2014 913

Matrix: Aqueous

Prep Method: 8011

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	Acceptan Limit	ice				
1,1,1,2-Tetrachloroethane	103	57-137	1				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

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

EDB & DBCP by Microextraction - MS

Sample ID: PL05073-002MS

Batch: 62518

Analytical Method: 8011

Matrix: Aqueous Prep 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 % Re		ptance mit					
1,1,1,2-Tetrachloroethane	89	57	7 -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 ≥ MDL

+ = RPD 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 - MSD

Sample ID: PL05073-002MD

Batch: 62518

Matrix: Aqueous Prep Method: 8011

Prep Date: 12/08/2014 913

Analytical Method: 8011

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPI Limit	O 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 % Re		eptance imit							
1,1,1,2-Tetrachloroethane	89	5	7-137							

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 ≥ MDL

+ = RPD 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 - 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

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ = RPD is out of criteria

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

EDB & DBCP by Microextraction - LCS

Sample ID: PQ62538-002

Batch: 62538

Matrix: Aqueous Prep Method: 8011

Prep Date: 12/08/2014 913

Analytical Method: 8011

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	Accepta Limit					
1,1,1,2-Tetrachloroethane	104	57-13	37				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

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

EDB & DBCP by Microextraction - MS

Sample ID: PL05073-025MS

Batch: 62538

Matrix: Aqueous 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 % Re		ptance mit					
1,1,1,2-Tetrachloroethane	108	57	7-137					

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 ≥ MDL

+ = RPD 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 - MSD

Sample ID: PL05073-025MD

Batch: 62538

Analytical Method: 8011

Matrix: Aqueous Prep Method: 8011

Prep Date: 12/08/2014 913

Spike Sample % Rec % RPD Amount Amount Result (ug/L) (ug/L) % RPD Parameter (ug/L) % Rec Limit Limit Q Analysis Date Dil 0.29 1,2-Dibromoethane (EDB) 0.031 0.25 104 0.00 60-140 12/08/2014 1900 Acceptance Limit Surrogate Q % Rec 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

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

+ = RPD is out of criteria

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

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	PQI	. MDL	Units	Analysis Date
Lead	ND		1	0.0	0 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 ≥ MDL

+ = RPD is out of criteria

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

ICP-AES - LCS

Sample ID: PQ62509-002

Batch: 62509

Matrix: Aqueous Prep Method: 3005A

Prep Date: 12/08/2014 910

Analytical Method: 6010C

	Spike Amount	Result				% Rec	
Parameter	(mg/L)	(mg/L)	Q	Dil	% 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 ≥ MDL

+ = RPD is out of criteria

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

ICP-AES - LCSD

Sample ID: PQ62509-003

Batch: 62509 Analytical Method: 6010C Matrix: Aqueous Prep Method: 3005A

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 ≥ MDL

+ = RPD is out of criteria

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

ICP-AES - MS

Sample ID: PL05073-001MS

Batch: 62509

Matrix: Aqueous Prep Method: 3005A

Prep Date: 12/08/2014 910

Analytical Method: 6010C

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 ≥ MDL

+ = RPD is out of criteria

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

ICP-AES - MSD

Sample ID: PL05073-001MD

Batch: 62509

Matrix: Aqueous 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		D : 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 ≥ MDL

+ = RPD is out of criteria

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

ICP-AES - MS

Sample ID: PL05073-002MS

Batch: 62509

Matrix: Aqueous 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

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

+ = RPD is out of criteria

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

ICP-AES - MB

Sample ID: PQ62510-001

Batch: 62510 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 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 ≥ MDL

+ = RPD is out of criteria

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

ICP-AES - LCS

Sample ID: PQ62510-002

Batch: 62510 Analytical Method: 6010C Matrix: Aqueous Prep Method: 3005A

Prep Date: 12/08/2014 910

	Spike Amount	Result				% Rec	
Parameter	(mg/L)	(mg/L)	Q	Dil	% 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 ≥ MDL

+ = RPD is out of criteria

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

ICP-AES - LCSD

Sample ID: PQ62510-003

Batch: 62510 Analytical Method: 6010C Matrix: Aqueous Prep Method: 3005A

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 ≥ MDL

+ = RPD is out of criteria

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

ICP-AES - MS

Sample ID: PL05073-023MS

Batch: 62510

Matrix: Aqueous Prep Method: 3005A

Prep Date: 12/08/2014 910

Analytical Method: 6010C

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 ≥ MDL

+ = RPD is out of criteria

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

ICP-AES - MSD

Sample ID: PL05073-023MD

Batch: 62510

Matrix: Aqueous 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	% RPI Limit		
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 ≥ MDL

+ = RPD is out of criteria

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

ICP-AES - MS

Sample ID: PL05073-024MS

Batch: 62510

Matrix: Aqueous Prep Method: 3005A

Prep Date: 12/08/2014 910

Analytical Method: 6010C

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 ≥ MDL

+ = RPD 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.

106 Vantage Point Drive

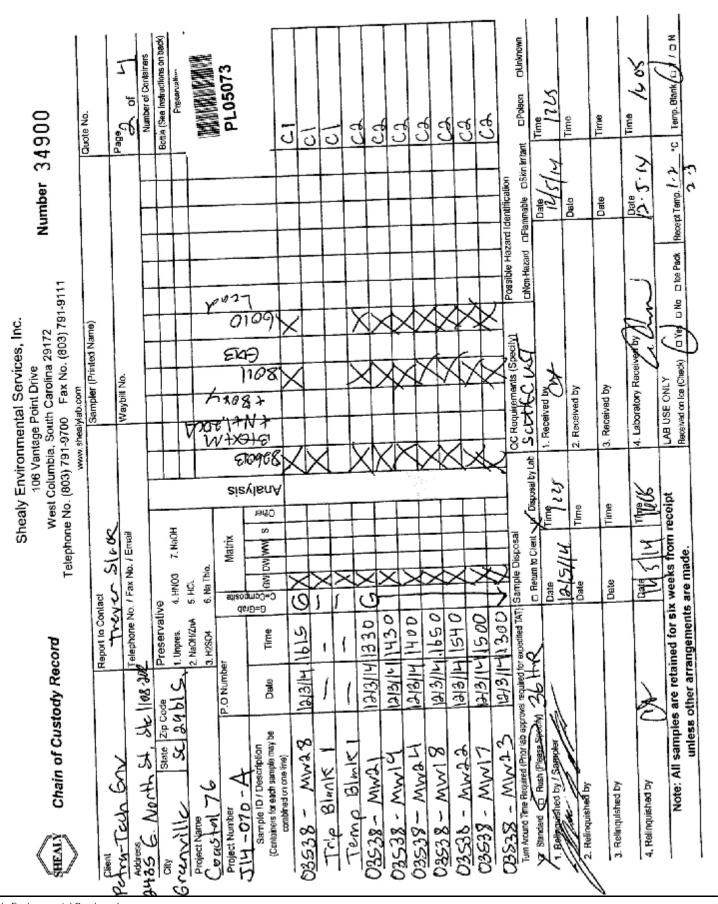
Number 34899

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

Bottle (See Instructions on back) 6 V D N rvemanks / Codler ID Unimown Number of Containers Z PL05073 かえ ō Temp. Blank n Poison Quote No. Time me <u>l</u> Page $\overline{\mathbf{U}}$ 0 J J C O Ower-Hazard OF Janymable OSkin Inflant ç Possible Hazard Identification JAMES TRACES Date Receipt Temp. Date Date □ loe Pack n O'Yes DNo Danted Traver 0149 Sampler (Printed Name) QC Requirements (Specify) £1849 5 1108 Received on Ice (Check) Waybill No. 1. Received My Laboratory Reg www.shaalylab.com Scotte LAB USE ONLY Received by 3. Received by d NG8 + 1000 17NJ 45/ect@potentechtonv.com E10988 Oisposel by Lab Analysis Time 12 LS 3 Note: All samples are retained for six weeks from receipt рацю Time Time Time S Felephone No. / Fax No. / Email 7. NaOH Matrix Trover Slack Sample Disposal Š Return to Client Dista でデジア(エ Š uniess other arrangements are made. 6. Na Thio. 4. ENO3 8 보 : - A Date Date C=Composite Report to Confact Preservative G=Grab required for expedited TAT) 550 2. NaOHZnA ഗ 049 1620 1315 213/10/11445 1330 1. Unpres. 3. H2SQ4 12/3/12/11600 Time 134 11/1/6/12 2.13/H 166 P.O Number 7/05 166 HI/E/E ાકાન H/8/8 149E まるかななる Date 200 ode Rush (Plazed Specify) (Containers for each sample may be MWOH - MWO7 MWAD Sample ID / Description 3538 - MW 22D Potri (Fech Snv. (entitied on one line) 3538 - MW06 3538 - MWB Tum Around Time Required 17 4. Relinquished by Refinguished by Relinquished by J-070- HIS 20075 IN 76 Slandard C Project Number Green 1/2 Project Name ICMA HGWA 2435 G. 3538

HEAL

Chain of Custody Record



SHEALY ENVIRONMENTAL SERVICES, INC. Chain of Custody Record

106 Vantage Point Drive • West Columbia, SC 29172 Telephone No. 803-791-9700 Fax No. 803-791-8111 www.shealylab.com

Number 40582

PL05073 Remarks / Cooler I.D. Time/Lus OC Requirements (Specify) 63 Ouote No. 63 છ 63 63 Time 2.2 Document Number: FAD-133 12/5/V 햠 Date Analysis (Attach list if more space is needed) Receipt Temp. 0109 III Unknown □ Poison 4208 lelephone Mo. / E-mail Ace Park ☐ Skin Inftant Ş 20908 Ves Mon-Hazard D Remmable Possible Hazard Identification 4. Leboratory received by LAB USE ONLY Received on los (Gircle) 1. Received by 7: S UN 9609 No of Contahous by Preservative Type HOW! 2. Received by 3. Received by 0 46 юн **ECNIH** навоч seedyy □ Return to Client X Disposal by Lab **\$** 2 2 2 2 3 210000 Masmy 1718 Sampler's Signature P295 Report to Contact 配の正 Note: All samples are retained for four weeks from receipt A49000002=2 (01-12) $\overline{0}$ (0)١ uind for expedited TAT.) Sample Disposal Printed Name 1430 1200. 1230 1200 S 1530 Sip 25 Oete Date TMINE 77 unless other arrangements are made 12/13/12 19/2/14 13/3/11 1-11/6/6 エ
に
る 13/3/14 ગિશામ 19/3/14 108 302 P.O. No. Date Containers for each sample may be combined on one line.) MV JOR MW25 MWOL MWA6 Mwo 8 5×2 wor Temo Blank 3 mk ₹ã ĺ -010-F raitech 4. Relinquished by ١ Relinquished by らいと 2. Reunquished by 35.3g. 73538 03538 8838 586 380 58538 BE 561 9(V) C.Standard 435 ŝ

DISTRIBUTION: WHITE & YELLOW-Relum to laboratory with Sample(s): PWK-Fleid/Client Copy

Effective Date: 08-01-2014

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

Number 40586

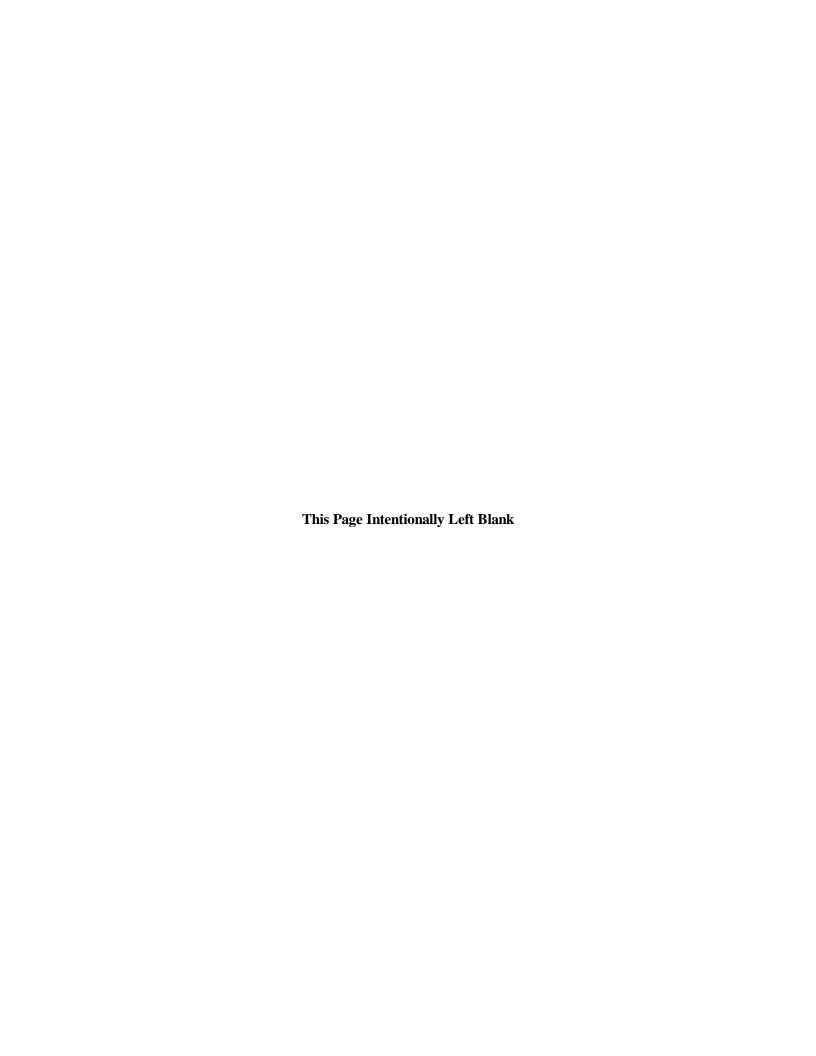
Document Number: F-AD-133 Effective Date: 08-01-2014 PL05073 Remarks / Cooler LD. 7, The same Quote No. QC Requirements (Specify) $\mathcal{C}_{\mathcal{S}}$ 3 Page Timo 77,000 いたなか ٦ がの Date ليدهط Analysis (Attach list if more space is needed) 0199 Receipt Temp. ☐ Unknown 5147 III Pelson elephone No. / E-meil BT6X+M + 80xy + 80xy los Parok Skin Imbart 870968 Yes Possible Hazerd Identification LAB USE ONLY Received on ice (Circle) 4. Laboratory received b AM 5505 1. Received My No of Containers by Preservative Type HORN 2. Received by 3. Received by σ ٥ 9 гоин юзан sautur Matrix J.me Time NPS Sampler's Signeture encenby 7/5/17 Report to Contact designed Carbothesian (0 Sample Disposal Printed Name 13/3 Oate Note: All samples are retained for four weeks from å 230 1305 Time 1300 90, unless other arrangements are made. vired for expending IAT.) 11/61C 41/6/4 71/8/6 五子で 213/14 108-300 P.O. No. Date Zp Code (Containers for each sample may be combined on one tha.) 以 MWIS Awo 3 C6 Š Semple ID / Description Š C. North St. Blak 000 Ş 2 mashal 76 Š ١ J14-070-A MW03 Turp Around Time 4. Refraguished by ペープス 3. Refinguished by Relinquished by 85580 アンシス Pro 1/15 15 Cl 03538 Project Name Standard È

HEALŸ

Chain of Custody Record

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 Tub Cooler Inspected by/date: 40 12/5/14 Lot #: PLOS	N 73
Chent: 1012 00 Cooler Inspected by take: 400 7577	
Means of receipt: SESI Client UPS FedEx Airborne Exp Oth	ier
Yes No 1. Were custody seals present on the cooler?	
Yes No NA 2. If custody seals were present, were they intact and unbroken?	
Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt:	
607/1-3/1-2°C 205/2.423°C - 11-0/0-9°C / / °C	1
Method: Temperature Blank Against Bottles IR Gun ID: #4 IR Gun Correction Factor:	<u>°C</u>
Method of coolant: Wet Ice Blue Ice Dry Ice None	
3. If temperature of any cooler exceeded 6.0°C, was Project Manager notifi	ied?
Yes No No NA PM notified by SRC, phone, note (circle one), other:	
(For coolers received via confinicitial counter, I'vis are to the notified	
immediately.)	
Yes No NA 4. Is the commercial courier's packing slip attached to this form?	——
Yes No No NA 5. Were proper custody procedures (relinquished/received) followed? Yes No NA 5a Were samples relinquished by client to commercial courier?	
Yes No 6. Were sample IDs listed on the COC? Yes No 7. Were sample IDs listed on all sample containers?	
Yes No 8. Was collection date & time listed on the COC?	
Yes No 9. Was collection date & time listed on all sample containers?	
Yes No 10. Did all container label information (ID, date, time) agree with the COC	?
Yes No 11. Were tests to be performed listed on the COC?	
Yes No 12. Did all samples arrive in the proper containers for each test?	
Yes No 13. Did all containers arrive in good condition (unbroken, lids on, etc.)?	
Yes No 14. Was adequate sample volume available?	
15. Were all samples received within ½ the holding time or 48 hours, which	hever
Comes mist:	
Yes No No 16. Were any samples containers missing?	-035) & Trip Block
Yes No NA 18. Were bubbles present > "pea-size" (¼" or 6mm in diameter) in any VOA Yes No NA 19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?	Y VIAIS:
Yes No NA 20. Were all cyanide and/or sulfide samples received at a pH > 12? 21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free	e of
Yes No NA NA Presidual chlorine?	
Yes No NA 22. Were collection temperatures documented on the COC for NC samples	?
23. Were client remarks/requests (i.e. requested dilutions, MS/MSD design	nations,
Yes No NA NA etc) correctly transcribed from the COC into the comment section in LIN	MS?
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	e.)
Sample(s) were received incorrectly preserved and were	
accordingly in sample receiving with (H ₂ SO ₄ ,HNO ₃ ,HCl,NaOH) using SR #	
Sample(s) $\sim 0.05^{\circ}$ (λ) were received with bubbles >6 mm in diamet	
Sample(s)were received with TRC >0.2 mg/L (If #2	1 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: Verified by: Date: 12 /S	5/6
Comments: 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 11
-033 fled 6 VOC vials + I net als DOTAL TRAILE OF MINE	n Cocs
Comotos on 13pt Salar	d no Cac
-033 TB viets and (Project: Mouldin Sanitation) but liste	- C
	- 60



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



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.

PL15035

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.

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

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)

Executive Summary Petra-Tech Environmental

Lot Number: PL15035

Sample	e 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)

Description: TW01

Date Sampled:12/12/2014 1200 Date Received: 12/15/2014

Laboratory ID: PL15035-001 Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run Prep Method 1 5030B	Analytical Method Dil 8260B	ution Analys 1 12/17/2	sis Date Analy 2014 0203 PMM		Batch 63236			
Parameter		CAS	Analytical	Result Q	PQL	MDL	Units	Run
		Number	Method					
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	Rur Q % Rec							
1,2-Dichloroethane-d4	8	7 70-1	30					
Bromofluorobenzene	9	9 70-1	30					
Toluene-d8	9	6 70-1	30					

EDB & DBCP by Microextraction

			<u> </u>						
Run Prep Method 1 8011	Analytical Method 8011	,	sis Date Analys 014 1558 DRB	st Prep 1 12/16/2		Batch 01 63143			
Parameter		CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromoethane (EDB) 106-93-4 8011		8011	ND		0.018	0.018	ug/L	1	
Surrogate	Run 1 Acceptance rrogate Q % Recovery Limits								
1,1,1,2-Tetrachloroethane		106 57-1	37						

ICP-AES

Run I	Prep Method 3005A	Analytical Method 6010C		Analysis Date 12/16/2014 173	,		Date 014 2015	Batch 63112			
D					ytical	D 14	0	DOL	MDI	11-14-	D
Param	neter		Num	iber Me	thod	Result	Q	PQL	MDL	Units	Run
Lead			7439-0	92-1	010C	ND	(0.010	0.0019	ma/l	1

PQL = Practical quantitation limit

B = Detected in the method blank

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

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

Page: 5 of 22 Level 1 Report v2.1

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

E = Quantitation of compound exceeded the calibration range H = Out of holding time

N = Recovery is out of criteria

Description: MW-14

Date Sampled:12/12/2014 1235 Date Received: 12/15/2014

Laboratory ID: PL15035-002

Matrix: Aqueous

Batch

	Volatil	le Orga	anic Comp	ounds	by GC/MS
Run Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date

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	Run 1 Accepta Q % Recovery Limit						
1,2-Dichloroethane-d4	89 70-1:	30					

EDB & DBCP by Microextraction

70-130

70-130

99

95

111

Run Pro	ep Method 8011	Analytical Method 8011	,	,		e Batch 1001 63143			
Parame	ter		CAS Number	Analytical Method	Result Q	PQL	MDL	Units	Run
1,2-Dibro	omoethane (EDB)		106-93-4	8011	ND	0.019	0.019	ug/L	1

Acceptance Run 1 % Recovery Limits Surrogate Q

1,1,1,2-Tetrachloroethane

ICP-AES

57-137

Run Prep Meth 1 300	Analytical Method 6010C		Analysis 12/16/201		,			Batch 5 63112			
			CAS	Analytic	cal						
Parameter		Nur	nber	Metho	d	Result	Q	PQL	MDL	Units	Run
Lead		7439-	92-1	6010	C	ND		0.010	0.0019	mg/L	1

PQL = Practical quantitation limit

Bromofluorobenzene

Toluene-d8

B = Detected in the method blank

ND = Not detected at or above the MDL

Shealy Environmental Services, Inc.

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

P = The RPD between two GC columns exceeds 40%

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

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

E = Quantitation of compound exceeded the calibration range

H = Out of holding time N = Recovery is out of criteria

Description: MW-23 (resample) Date Sampled:12/12/2014 1305 Date Received: 12/15/2014

Laboratory ID: PL15035-003

Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run Prep Method A 1 5030B	Analytical Method Dilution Analysi 8260B 1 12/17/20	s Date Analy 114 0248 PMN		Batch 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	Run 1 Accepta Q % Recovery Limit	nce s					
1,2-Dichloroethane-d4	87 70-13	30			•		
Bromofluorobenzene	97 70-13	80					
Toluene-d8	93 70-13	80					

PQL = Practical quantitation limit ND = Not detected at or above the MDL B = Detected in the method blank $J = Estimated result < PQL and <math>\geq MDL$ E = Quantitation of compound exceeded the calibration range P = The RPD between two GC columns exceeds 40%

H = Out of holding time

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

N = Recovery is out of criteria

Description: MW-22 (resample) Date Sampled:12/12/2014 1335 Date Received: 12/15/2014

Laboratory ID: PL15035-004

Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run Prep Method 1 5030B	Analytical Method Dilution 8260B 1	Analysi 12/17/20	is Date Analy 014 0311 PMM		Batch 63236			
Parameter	Nu	CAS mber	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	Run 1 Q % Recovery	Accepta Limit						
1,2-Dichloroethane-d4	89	70-13	30					
Bromofluorobenzene	96	70-13	30					
Toluene-d8	92	70-13	30					

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

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

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"

Date Received: 12/15/2014

Laboratory ID: PL15035-005 Matrix: Aqueous

Description: Field Blank Date Sampled:12/12/2014 1250

Volatile	Organic	Compounds b	y GC/MS

Run Prep Method	Analytical Method		-		' '	Date	Batch			
1 5030B	8260B	1 1	2/17/2014	0118 PMN	VI2		63236			
_		С	AS ,	Analytical		_				
Parameter		Numb	oer	Method	Result	Q	PQL	MDL	Units	Run
tert-Amyl alcohol (TAA)		75-8	5-4	8260B	ND		20	6.7	ug/L	1
tert-Amyl methyl ether (TAME)		994-0	5-8	8260B	ND		10	0.20	ug/L	1
Benzene		71-43	3-2	8260B	ND		1.0	0.13	ug/L	1
tert-Butyl formate (TBF)		762-7	5-4	8260B	ND		5.0	1.0	ug/L	1
1,2-Dichloroethane		107-0	5-2	8260B	ND		1.0	0.15	ug/L	1
Diisopropyl ether (IPE)		108-20	D-3	8260B	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol		624-9	5-3	8260B	ND		20	1.0	ug/L	1
Ethanol		64-1	7-5	8260B	ND		100	33	ug/L	1
Ethylbenzene		100-4	1-4	8260B	ND		1.0	0.33	ug/L	1
Ethyl-tert-butyl ether (ETBE)		637-92	2-3	8260B	ND		1.0	0.20	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-0	4-4	8260B	ND		1.0	0.40	ug/L	1
Naphthalene		91-20	0-3	8260B	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)		75-6	5-0	8260B	ND		20	6.7	ug/L	1
Toluene		108-88	3-3	8260B	ND		1.0	0.33	ug/L	1
Xylenes (total)		1330-20	0-7	8260B	ND		1.0	0.33	ug/L	1
Surrogate		Run 1 A Recovery	cceptanc Limits	е						
1,2-Dichloroethane-d4		89	70-130				·	·		
Bromofluorobenzene		99	70-130							
Toluene-d8		95	70-130							

EDB & DBCP by Microextraction

		- o ·	5					
Run Prep Method 1 8011	Analytical Method 8011	,	3	st Prep Date 1 12/16/2014				
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		Run 1 Accepta ecovery Limit						
1.1.1.2-Tetrachloroethane		104 57-1	37					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range H = Out of holding time $J = Estimated result < PQL and <math>\geq MDL$ P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

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"

Shealy Environmental Services, Inc.

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

Description: Trip Blank Date Sampled:12/12/2014 Date Received: 12/15/2014 Laboratory ID: PL15035-006

Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run Prep Method 1 5030B	Analytical Method [8260B	Dilution Anal 1 12/17	ysis Date Analy 1/2014 0141 PMM	•	Batch 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		un 1 Acce ecovery Lir	ptance mits					
1,2-Dichloroethane-d4		88 70)-130					
Bromofluorobenzene		98 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 P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Page: 10 of 22 Level 1 Report v2.1

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ63236-001 Batch: 63236

Analytical Method: 8260B

Matrix: Aqueous Prep Method: 5030B

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 ≥ MDL

+ = RPD 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 - LCS

Sample ID: PQ63236-002 Batch: 63236

Analytical Method: 8260B

Matrix: Aqueous Prep Method: 5030B

	Spike Amount	Result			% Rec	
Parameter	(ug/L)	(ug/L)	Q Dil	% 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 ≥ MDL

+ = RPD 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 - 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	Accep Lin				
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 ≥ MDL

+ = RPD 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 - LCS

Sample ID: PQ63143-002 Batch: 63143 Matrix: Aqueous 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	Acceptano Limit	ce				
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 ≥ MDL

+ = RPD 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 - MS

Sample ID: PL15035-002MS Batch: 63143 Matrix: Aqueous 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 % Re		ptance imit					
1,1,1,2-Tetrachloroethane	114	57	7-137					

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 ≥ MDL

+ = RPD 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 - MSD

Sample ID: PL15035-002MD Batch: 63143 Matrix: Aqueous 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	% RPI Limit	
1,2-Dibromoethane (EDB)	ND	0.24	0.31		1	131	1.1	60-140	20	12/16/2014 1629
Surrogate	Q % Re		eptance imit							
1,1,1,2-Tetrachloroethane	116	5	7-137							

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 ≥ MDL

+ = RPD is out of criteria

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

ICP-AES - MB

Sample ID: PQ63112-001 Batch: 63112

Analytical Method: 6010C

Matrix: Aqueous Prep Method: 3005A

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 ≥ MDL

+ = RPD is out of criteria

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

ICP-AES - LCS

Sample ID: PQ63112-002

Batch: 63112 Analytical Method: 6010C Matrix: Aqueous Prep Method: 3005A

Prep Date: 12/15/2014 2015

	Spike Amount	Result				% Rec	
Parameter	(mg/L)	(mg/L)	Q	Dil	% 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 ≥ MDL

+ = RPD is out of criteria

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

ICP-AES - LCSD

Sample ID: PQ63112-003

Batch: 63112 Analytical Method: 6010C Matrix: Aqueous Prep Method: 3005A

Prep Date: 12/15/2014 2015

	Spike									
	Amount	Result					% Rec	% RPD)	
Parameter	(mg/L)	(mg/L)	Q	Dil	% Rec	% RPD	Limit	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 ≥ MDL

+ = RPD is out of criteria

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

ICP-AES - MS

Sample ID: PL15035-001MS

Batch: 63112

Prep Method: 3005A

Prep Date: 12/15/2014 2015

Matrix: Aqueous

Analytical Method: 6010C

	Sample Amount	Spike Amount	Result				% Rec	
Parameter	(mg/L)	(mg/L)	(mg/L)	Q	Dil	% 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 ≥ MDL

+ = RPD is out of criteria

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

ICP-AES - MSD

Sample ID: PL15035-001MD

Batch: 63112

Matrix: Aqueous Prep Method: 3005A

Prep Date: 12/15/2014 2015

Analytical Method: 6010C

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPI Limit	
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 ≥ MDL

+ = RPD is out of criteria

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

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

	Report to Contact			Telephone No. / F.metr		
- 1	1	20 SP	٧	大きんののなからなった	18 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Chote No.
35 G Moth St d	Samplace Signature	grature	Q	Analysis (Altach list if More space is needed)	eded)	, and the second
State Space Space		1			-	Page 1 of
1 ST 1/2	Philipolykame	6		Y/ /xoz w+w	_	
				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		PL 15035
		Matrix	No of Containers by Presumation Type	7	_	
Cottetinas for each semple may be combined on one hos.)	Tame	nyos saosab saosab	EOVO FOSTA TOTAL	0)0		
1/2/12/	12.00		*	3		Remarks / Cooler LD.
	122		0			
	17.55	×	9	XXX		
MW-13 (resunde) 14/2/14	114 1305 6	<u> </u>	3			
MW-22 (cesunde) 14/11/14	1335	×	2			
Field Blank 12/12	1250	S. S.				
170 Block	1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	9 0			
Trun 360k			5	+		
1						
	-					
Turn Around Time Bounteed the co.						
sh (Specify) Although regiment to	r expedited IAT.) Sample Disposar	Proposal Roberts Novement System To Client McGressel by Leb X Nov-Hazard	Possible Hazard Interriffication		OC Requirements (Specify)	(Specify)
1. Reinquisined by X	1/51/21	12/15/14 Time	1.50	Liskii irriarii ili Pasan ili Unknamı	Date Date	450
2. Heighwished by	Olerte	Тепе	2. Received by		Date	
3. Rethoguished by	Date	Time	3. Roceived by		1	
4. Relinquished by	Date	Tivne	4. Catholing received the		emil.	9
Note: All samples are retained for four months			Lan May		Date Till	Time OSCI
unless other arrangements are made.	r weeks from receipt are made.		Procedured on the Company		7 7 7	200
DISTRIBUTION: WHITE & YELLOW DAY			(20)	res No ice Pack Receipt Temp.	7-2 0	
The second secon	note(s); PINK-Field/Client	Copy				

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

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: KW / 124544 Lot #: PLISO 35
Means of receipt:	SESI Client UPS FedEx Airborne Exp Other
Yes No No	12-15-19 1. Were custody seals present on the cooler?
	NA 2. If custody scals were present, were they intact and unbroken?
1797117	mperature upon receipt/Derived (corrected) temperature upon receipt:
H.41.43	
	ture Blank Against Bottles IR Gun ID: #4 IR Gun Correction Factor: O. 1 °C
Method of coolant:	Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None
	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified?
	DM notified by SPC phone note (girele one) other
Yes 🔲 No 🔲 NA	(For coolers received via commercial courier, PMs are to be notified
	immediately.)
Yes Do NA	4. Is the commercial courier's packing slip attached to this form?
Yes No	5. Were proper custody procedures (relinquished/received) followed?
	5a Were samples relinquished by client to commercial courier?
Yes D No 🗆	6. Were sample IDs listed on the COC?
Yes No	7. Were sample IDs listed on all sample containers?
Yes 2 M	8. Was collection date & time listed on the COC?
Yes No	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?
	15. Were all samples received within ½ the holding time or 48 hours, whichever
Yes 🔲 No 🗸	comes first?
Yes No No	16. Were any samples containers missing?
Yes No	17. Were there any excess samples not listed on COC?
Yes No No	
Yes No NA	
	20. Were all cyanide and/or sulfide samples received at a pH >12?
	221 Were all applicable NH2/TK N/avanide/phenol (<0.2 mg/L) camples free of
	residual chlorine?
Yes No No NA	
Yes 🔲 No 🔲 NA	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations,
	etc) correctly transcribed from the COC into the comment section in Links?
Yes No No	24. Was the quote number used taken from the container label?
Sample Preservation	
Sample(s)	were received incorrectly preserved and were adjusted
accordingly in sample	
Sample(s)	were received with bubbles >6 mm in diameter.
Sample(s)	were received with TRC >0.2 mg/L (If #21 is No)
-	roject 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: UM Verified by: Date: 12115-16
Comments:	

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

APPENDIX C

TAX MAP AND TAX MAP INFORMATION TABLE



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)



1. WELL OWN Name:	IER INFORMATION Coastal 76	:			7. PERMIT NUN	IBER:	MWA #U	MW-25643; I	JST Pern	nit #03538
***************************************					8. USE:					
30 Maria	(last)	(first)			Residential		Public Suppl	,	Process	
Address:	2513 E. Palmett		E		Irrigation		Air Condition		Emergeno	
260					Test Well	5	Monitor We	•	Replacem	•
City:	Florence	State:	sc	Zip:	9. WELL DEPTH	(complete		11	керіасепі	ent
J.1.3.	. 10101100	write.	0.0	Ση.	O. HELL OLI III	(compice	suj	Date Started:	16/1/16	4
Phone:	N/A				GWL	3	ft.	Date Started: Date Complete		
1 110110.	1865				10. CASING:		Threaded	Date Complete	hebleyV	111
2. LOCATION	OF WELL:	NOTES AND ADDRESS OF THE PARTY	COUNTY:	shisting.		Diameter	. 11		AARIGED	
Name:				all the many and the colo	OPPORTUGE OF THE PROPERTY OF T		PVC	num		
Address:		o Street	H	orence	8	type	PVC	in. to	6	A 2
City:			•					in. to	V	ft. depth
Oity.	1 10101100, 00					11.1.1.	0.1	In. 10		ft. depth
emonos.					G. Marian	Height				-
3 PURITORY	STEM NAME 035:	20			-	Surface	THE PROPERTY OF THE PERSON NAMED IN COLUMN 2 IN COLUMN	tt.	Weight:	lb./ft.
o. Poblic 31	STEIN NAME UJJ.	6	W13		11. SCREEN:	Drive Shoe				
4. ABANDONI	MENT.	(es)			TI. SOREEN.	Tuna	RIC	Diameter	1-1	
T. P. D. H. C. C.	(i ype	001	Length	-	
Grouted Depth:	from 0.00) to	All the same of th	ft.		et Between	0.01		7	
Diodica Deptil.	0.00	10	Thickness	Depth to	- St	er merween	ь	ft. and ft. and	11	Π.
Fo	rmation Description		of	Bottom of	Pia.	a Analusia	VAI	II. and	***************************************	ft.
	innandii Description		Stratum	Stratum	12. STATIC WAT	e Analysis		A halandarda		54.)
			Guardin	Stratum	13. PUMPING L		The second second second second	ft. below land s	unace after.	24 nours.
					ic. romine L	an E laste DOIG	ft, after		hre Dumni	ing GPM
					Put	mping Test	lates .		mar ompi	ing Orivi
						Yield		-		
					14. WATER QUA					
					1	al Analysis		Bacta	rial Analysis	
					15. ARTIFICIAL	-		Dacte	ilai Alaiysis	2.
					1	stalled from		ft. to		ft.
						ective Size	mountaine and the second of th	Uniformity Coef	ficient:	П.
W-100					16. WELL GROU			Olinomiky Coel	morent.	-
					Neat Cem		Bentonite	Bentonite/Cem	ont	Other
						epth: From		ft. to	SIR	it.
					17. NEAREST S		-	-	ON: ft.	
						Туре				unconon
	TAT TO BE BASED ON THE STATE OF	The state of the s			Wall	Disinfected	man my about an annual and all all and	Туре:	Amoun	
					18. PUMP:	Diamiocioo	Date installed		Allogi	L.
					Mfr. Name:		Date installet	1.	Model no.:	
					H.P.:		Volts:	I amouth of minds		
					- In.F.,	Canacitu		Length of pipe:	и.	
					TVDE:	Capacity		gpm		
					TYPE:	Zuhmoraikt		lot (obelieve		Turkin
						Submersible		Jet (shallow)		Turbine
-					19. WELL DRILL	Jet (deep	Joe Smith	Reciprocating	CEPTAG	Centrifugal
To the same of the					Address			ling Services	Level: A	~
					- Cuules:		2443 High M		Luton. M	(circle one)
										(encie one)
			\vdash		Tulan	hono: 670	Conyers, Ger			
					20. WATER WEI	hone: 678-	-	Fax	-	ad under
			1	A CONTRACTOR OF THE CONTRACTOR	-					
					my direction	n and this r	epon is true to	the best of my k	nowiedge ar	ia bellet.
					_				-0	
							01	HIL	en Store	
E DEMARKS			لـــــا	11 1210	Cingod		Mag	12/14	W	
5. REMARKS	141	1	1 OV	1AIPO	Signed		ST			minust
	1 temp	wel	.(0-0.	Date:		10	12/14		
6. TYPE: N	Aud Rotary	Jetted		Bored			Andread Supposed Str. Constitution Str. Market	-	The transfer of the transfer o	ALIGNA
1)ug	Air Rot	ary	Driven	If D Level Driller, p	provide supe	ervising driller's	name.		
1	able tool	Auger	-	Other						
		1				Control Control Control				



1. WELL OWNER INFORMATION: Name: Coastal 76		7. PERMIT NUMBER: MWA #UMW-25643; UST Permit #03538					
s and a state of the state of t		8. USE:					
(last) (first)		Residential Public Supply Process					
Address: 2513 E. Palmetto Stree	et	Irrigation Air Conditioning Emergency					
		Test Well Monitor Well Replacement					
City: Florence State:	SC Zip:	9. WELL DEPTH (completed)					
State of the state		Date Started: 16/1/14					
Phone: N/A		35 ft. Date Completed 16/2/14					
		10. CASING: Threaded Welded					
2. LOCATION OF WELL:	COUNTY:	Diameter: 14					
Name: Coastal 76		Type: Dee					
Address: 2513 E. Palmetto Stree	et Florence	- 1/4 in. to 3 (ft. depth					
City: Florence, SC		in to ft. depth					
		Height: Below					
		Surface: ft. Weight: lb./ft.					
3. PUBLIC SYSTEM NAME 03538-	2. 110	Drive Shoe:					
	DIVID	11. SCREEN:					
4. ABANDONMENT: Yes		Type: Stee Diameter: 14					
	25	Slot/Gauge: Length: 4					
Grouted Depth: from 0.00 to	25 ft.	Set Between: 3(ft. and 35 ft.					
THE MANAGEMENT OF THE PROPERTY	Thickness Depth to	中の「中国では、中国の中国の中国の中国の中国の中国の中国の中国の中国の中国の中国の中国の中国の中					
Formation Description	of Bottom						
	Stratum Stratum	in below land believe 24 hours.					
		13. PUMPING LEVEL Below Land Surface.					
		ft. after hrs Pumping GF Pumping Test:					
		Yield:					
		14. WATER QUALITY					
a. Company		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. directio					
		Туре:					
		Well Disinfected: Type: Amount:					
5 to 10 to 1		18. PUMP: Date installed:					
		Mfr. Name: Model no.:					
Opposes and the second		H.P.: Volts: Length of pipe: ft.					
		Capacity: gpm					
		TYPE:					
		Submersible Jet (shallow) Turbine					
		Jet (deep) Reciprocating Centrifuga					
		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					
ace reprint		my direction and this report is true to the best of my knowledge and belief.					
Rep also		Signed: 94 4 Sab					
5. REMARKS:		Signed:					
o. REMARINS.	OVAIPLT	Olyneo.					
	0.0	Date: \0/2/14					
6. TYPE: Mud Rotary Jetted	Bored	en produces and a second a second and described a second and described a second a second a second and a second					
Dug Air Ro	otary Driver	If D Level Driller, provide supervising driller's name.					
Cable tool Auger	Other						



1. WELL OWNER INFORMATION: Name: Coastal 76	7. PERMIT NUMBER: MWA #UMW-25643; UST Permit #03538
Name: Coastal 76	8. USE:
(last) (first)	
Address: 2513 E. Palmetto Street	
Address. 2010 E. Pallifetto Street	Irrigation Air Conditioning Emergency
City Florence Carlo SC 7	Test Well Replacement
City: Florence State: SC Zip:	9. WELL DEPTH (completed) Date Started: \ 0 / 1 / 1
Phone: N/A	10. CASING: Threaded Welded Welded
2. LOCATION OF WELL: COUNTY:	Diameter:
Name: Coastal 76	Type: QC /
Address: 2513 E. Palmetto Street	in. to 6 ft. depth
City: Florence, SC	in. to ft. depth
	Height: Below
	Surface: ft. Weight: lb./ft.
3. PUBLIC SYSTEM NAME 03538-	Drive Shoe:
6W1	11. SCREEN:
4. ABANDONMENT: Yes	Type: PVC Diameter:
	Slot/Gauge: 0.6 Length: 6
Grouted Depth: from 0.00 to ft.	Set Between: 6 ft. and 1 ft.
Thickness Depth to	ft, and ft.
Formation Description of Bottom of	Sieve Analysis: Y/N
Stratum Stratum	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)
	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
	Туре:
	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)
	Convers, 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.
	my allection and this report is the to the best of the allements
	0140.8
	- Chapt 11 Dack
5. REMARKS: // temp will OVAIPID	Signed: 16/2/14
	Date: (6) 31 (7)
and the state of t	If D. Level Driller, provide cupanicing driller's name
Dug Air Rotary Driven Cable tool Auger Other	If D Level Driller, provide supervising driller's name.
Cable tool Tuger Other	



1. WELL OWNER INFORMATION: Name: Coastal 76			7. PERMIT NUMBER:	MWA #UMW-25643;	UST Permit #03538
en en en en en en en en en en en en en e			8. USE:		
(last) (first))		Residential	Public Supply	Process
Address: 2513 E. Palmetto Stree	et		Irrigation	Air Conditioning	Emergency
			Test Well	Monitor Well	Replacement
City: Florence State:	sc	Zip:	9. WELL DEPTH (comple		replacement
				Date Started:	10/1/14
Phone: N/A					
Thoms. 14th			10. CASING:		Welded
2. LOCATION OF WELL:	COUNTY:	The state of the s	-	Threaded	AASIGEG
Name: Coastal 76		- interestable	Diamet	Name and Address of the Party o	
Address: 2513 E. Palmetto Stree	· H	orence	191	BE: PV C	_
	FE			in. to	Constitution and Street of the
City: Florence, SC				in. to	ft. depth
in delignation .			Heig		
0.0000000000000000000000000000000000000			Surfa	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON OF THE PE	Weight: lb./ft.
3. PUBLIC SYSTEM NAME 03538-	SWID		Drive Sho	98:	
	24410		11. SCREEN:	0.0	11
4. ABANDONMENT: Yes			Ty	pe: PVC Diamete	
	11		Slot/Gau	ge: 6. 6 Lengt en: 6 ft. and	h: 5
Grouted Depth: from 0.00 to	1 f		Set Between	en: ft. and	II ft.
	Thickness	Depth to		ft. and	ft.
Formation Description	of	Bottom of	Sieve Analys	is: Y/N	
	Stratum	Stratum	12. STATIC WATER LEV		surface after 24 hours.
			13. PUMPING LEVEL BE	elow Land Surface.	
				ft. after	hrs Pumping GPM
			Pumping Te	st:	
			Yie	ld:	
			14. WATER QUALITY		
			Chemical Analys	is: Bact	erial Analysis:
			15. ARTIFICIAL FILTER	(filter pack)	
			Installed fro	m: ft. to	ft.
Name of the last o			Effective Six	ze: Uniformity Cos	efficient:
			16. WELL GROUTED?		
			Neat Cement	Bentonite Bentonite/Cen	nent Other
			Depth: Fro		ft.
			17. NEAREST SOURCE	OF POSSIBLE CONTAMINAT	TON: ft. direction
	-		Тур	oe:	
			Well Disinfects	ed: Type:	Amount:
			18. PUMP:	Date installed:	
			Mfr. Name:	Bouter programmy yearhoouse growth date and any sayone	Model no.:
			H.P.:	Volts: Length of pipe	ft.
		The state of the s	Capaci		
			туре:	91	
			Submersil	ole Jet (shallow)	Turbine
			Jet (dee		Centrifugal
			19. WELL DRILLER:	Joe Smith	CERT NO.: 1648B
			Address:	Smith Drilling Services	Level: A (B) C D
			1	2443 High Meadows Court	(circle one)
				Convers, Georgia 30094	(cucia ous)
	1		Telephone: 67		ν.
				LER'S CERTIFICATION: This	
	+		-		
			my direction and this	report is true to the best of my	MIOWIEUGE BIID DEIIBI.
	+ +		-	1 1 0	-0
				DIAR	and
5. REMARKS:		110+0	Signed:	Jap 18 2	4/
D. REIVIARRS:	, OV	AIPID	Signet.		THE COMPLETE PRODUCTION TO A PROPERTY COMPANIES INCOME.
1 temp me		0:0	Date:	16/2/14	
6. TYPE: Mud Rotary Jetted	E	Bored		Marian Commission of the Commi	COMMAND COMMAN
Dug Air Ro		Driven	If D Level Driller, provide su	pervising driller's name.	
Cable tool Auge		Other			
7					
Consumer the second second second second second second second second second second second second second second					



1. WELL OW! Name:	NER INFORMATION: Coastal 76			7. PERMIT NUMBE	ER:	MWA #UN	/W-25643; L	JST Perm	nit #03538
. 1011101				8. USE:					
	(last) (f	irst)		Residential		Public Supply		Process	
Address:	2513 E. Palmetto St			Irrigation		Air Conditionin	n	Emergenc	
, igalog.				Test Well		Monitor Well		Replacem	
City:	Florence St	ate: SC	Zip:	9. WELL DEPTH (C	omniete			Replacem	ent
Ony.	Liniatine of	ate. 30	Δip.	S. WELL DEFIN (nuhicrei	u)	D.1. D.1.1.	6/1/11	
Phone:	N/A						Date Started:		71 1
FIGURE.	TVA			10. CASING:		ft.	Date Completed	Charles Street, Street	
2. LOCATION	OF WELL.	COUNTY:	Atteriors	-	Diameter:	Threaded		Welded	
Name:			Account Lines						
Address:		root F	forence		Type:	71/21		21	
		icel	10	and the same of th		1100	in. to	5	ft. depth
City:	Fibrence, SC			NAME OF TAXABLE PARTY.	11-1-11		in. to	TOTO CONTRACTOR OF STREET	ft. depth
					Height:	Below		107 1 11	11 40
a pilipi in ey	STEM NAME 03538-			-	Surface: ive Shoe:		ft.	Weight:	lb./ft.
0.1002100	OTENTIANTE GUGUU-	GW08	D	11. SCREEN:	e Gile.				
4. ABANDON	MENT: Yes				Туре:	Steel	Diameter	11/4 1	
				810	t/Gauge:	0.01	Length		
Grouted Depth	from 0.00	to 35	ft	1	Between:	21	ft. and	25	 A
T. Outou Doptii		Thickness	Depth to	- Jet L	Doint Coll.		ft, and	2	- A
Fr	ormation Description	of	Bottom of	Sieve A	Analysis:	Y/N	n. and	THE SAME STATE OF THE SAME STA	
	Strington Boodinphon	Stratum	Stratum	12. STATIC WATER	The second second second	COLUMN DESCRIPTION OF THE PARTY	ft. below land si	uface after	24 hours
				13. PUMPING LEV	-			made and i	Let modici.
						ft. after		hrs Pumpi	na GPM
				Pump	ing Test:				
					Yield:				
				14. WATER QUALI	TY				
				Chemical A	Analysis:		Bacte	rial Analysis	B:
				15. ARTIFICIAL FI	LTER (fil	ter pack)			
				Instal	lled from:		ft. to		ft.
				Effect	tive Size:		Uniformity Coef	ficient:	
				16. WELL GROUT	ED?				
				Neat Cemer	nt	Bentonite	Bentonite/Ceme	ent	Other
				Dept	th: From		ft. to		ft.
				17. NEAREST SOL	JRCE OF	POSSIBLE	CONTAMINATI	ON: ft.	direction
					Туре:				
				Well Dis	sinfected:		Туре:	Amoun	t:
				18. PUMP:		Date installed			
				Mfr. Name:				Model no.	
				H.P.:		Volts:	Length of pipe:	ft.	
					Capacity:		gpm		
				TYPE:					
				Sub	omersible		Jet (shallow)		Turbine
				J	let (deep)		Reciprocating		Centrifugal
	,			19. WELL DRILLE	R:	Joe Smith		CERT NO	o.: 1648B
				Address:		Smith Drill	ing Services	Level: A	BCD
						2443 High Me	adows Court		(circle one)
						Conyers, Geo	rgia 30094		
					ne: 678-		Fax	THE RESERVE OF THE PERSON NAMED IN	
				20. WATER WELL	DRILLE	R'S CERTIFIC	ATION: This w	ell was drill	ed under
				my direction a	and this re	port is true to	the best of my k	nowledge ar	nd belief.
						01	40	JX	
						Copagel	NY	"CC	
5. REMARKS	3:	Ô,	VAIPED	Signed:		11 1	1914		
			0.1	Data		14	12114		
. ====	14 15 1		Pered	Date:		10	1911		are land
1		etted	Bored	If D Level Driller, pro	wide sur-	nicina drillara	nama		
\$	•	ir Rotary	Other	III D Level Driller, pro	wide supe	reising anners	Haffie.		
	Cable tool A	uger	Other						
	0.000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DED ADTACATION	HEALTH AND ENVIO	ONMENT	AL CONTROL	(ADDDESS AR)\/E)	



1. WELL OWN Name:	VER INFORMATION Coastal 76	V:			7. PERMIT NU	MBER:	MWA #U	MW-25643;	UST Pern	nit #03538
100					8. USE:					
	(last)	(first)			Residentia	, I	Public Suppl		Process	
Address:	2513 E. Palme				Irrigation	11	Air Condition			
and the same of th					Test Well	1	Monitor We	•	Emergeno	-
City:	Florence	State:	SC	Zip:	9. WELL DEPT	-		1	Replacem	ent
0.17.	1 10101100	Glate.	00	z.p.	J. WELL DEF	u (combiere	su)	Data Diagram	0/1//1	,
Phone:	N/A				1			Date Started:		
1 110110.	15/25				10. CASING:		ft.	Date Complete	STATE OF THE PARTY OF THE PARTY OF	47
2. LOCATION	OF WELL:		COUNTY:	Alarian.	10. 043110.	Diameter.	Threaded		Welded	
Name:				***************************************	de constant de con		PVC	rina .		
Address:		to Street	He	rence	-	1 Abe	17	in. to	/	^ 1
City:		011000			and the second			***	- 6	ft. depth
	1 10101100, 00				000	Mainta	Below	in. to		ft. depth
						Height: Surface:		ft.	10/min/c4.	11- 40
3. PUBLIC SY	STEM NAME 035	38-		>	-	Drive Shoe	returner to entre the first that the fact of the second	11.	Weight:	lb./ft.
		6	WOS		11. SCREEN:					
4. ABANDON	MENT:	Hes	The state of the s		-	Type	PVC	Diamete	. 1/	
100 de secue	(1.				Slot/Gauge:	Management and the state of the second	Length		+
Grouted Depth:	from <u>0.0</u>	<u>0</u> to		ft.		Set Between:		ft. and	11	ft.
			Thickness	Depth to				ft. and		ft.
Fo	rmation Description		of	Bottom of		eve Analysis:			THE ST. W. THE ST. AND THE ST. ST. ST. ST. ST. ST. ST. ST. ST. ST.	-
		-	Stratum	Stratum	12. STATIC WA	TER LEVE	19.25	ft. below land s	urface after :	24 hours.
					13. PUMPING	LEVEL Belo	w Land Surfa	ce.		
							ft. after	\$14.900.000 to \$70.000 to to to the state of	hrs Pumpi	ng GPM
					P	umping Test:	(*************************************	was		
						Yield				
					14. WATER QU					
					Name of Street, or other Designation of the Owner, where the Park of the Owner, where the Owner, which is the Owner,	cal Analysis:	Printed by the second s	Bacte	nal Analysis	3:
					15. ARTIFICIAL					
		-				stalled from:	-	ft. to	***************************************	ft.
					-	ffective Size:		Uniformity Coe	nicient:	
-					16. WELL GRO		5			0.1
					Neat Ce		Bentonite	Bentonite/Cem	ent	Other
					17. NEAREST	Depth: From	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN	ft. to	ON: ft.	ft. direction
					III. NEAREST			CONTAMINAL	ON. IL.	direction
				***********	Wall	Type: Disinfected:	Water being spread and the second of	Туре:	Amoun	
					18. PUMP:	Distincted.	Date installed		Amoun	l.
					Mfr. Name:		Date Histaliet		Model no.:	
					H.P.:		Volts:	Length of pipe:		
						Capacity		gpm		
					TYPE:	,		SI .		
						Submersible		Jet (shallow)		Turbine
						Jet (deep)		Reciprocating		Centrifugal
					19. WELL DRIL		Joe Smith		CERT NO	:: 1648B
		3-15			Addre:	98:		ing Services	Level: A	(B) C D
							2443 High Me			(circle one)
							Conyers, Ger	orgia 30094		
					Tele	phone: 678-	201-9849	Fax	:	
		(10)			20. WATER WE	LL DRILLE	R'S CERTIFI	CATION: This w	vell was drille	ed under
					my direction	on and this n	eport is true to	the best of my k	nowledge an	nd belief.
									0	
							01	40	JX.	
							Magel	NA	THE !	
5. REMARKS	/-		OV.	AIPID	Signe	d:	#	12/14	and the state of t	rains.
	1 temp	well		011	Date		10	12/14		
6. TYPE: N	Aud Rotary	Jetted		Bored			1		and the state of t	anum .
	oug (Cotal)	Air Rot		Driven	If D Level Driller,	provide sune				
	Cable tool	Augen		Other						



1. WELL OW	NER INFORMATION Coastal 76	ł:			7. PERMIT NUM	BER:	MWA #L	MW-25643;	UST Peri	mit #03538
riditio.					8. USE:	-				
	(last)	(first)			Residential		Public Suppl		Process	
Address:	2613 E. Palmet	-			Irrigation					2/1
	and the same same of				Test Well	,	Air Condition Monitor We		Emergen Replacen	*
City:	Florence	State:	SC	Zip:	9. WELL DEPTH	(complete:		13	періасен	Teni
onj.	110101100	widte.	00	шμ.	O. WELL DEFTI	(combiere)	uj	Data Chadada	10/1//	u
Phone:	N/A				- August		0	Date Started:		
i none.	10075				10. CASING:	-	ft.	Date Complete	The second secon	
2. LOCATION	OF WELL	-	COUNTY:	-Mantan	TO. OASING.	Diameter:	Threaded		Welded	
Name:				ornee	Cultivalidate &		PVC	THE R. L. L. L. L. L. L. L. L. L. L. L. L. L.		
Address:		to Street	F	ornce	-	Type:	PVC		1	0 1 1
City:		0., 00.						in. to	-	ft. depth
ad I I I I					100 per 100 pe	Height:	Below	III. 13	-76-1-76-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	it. depth
					and the same of th	Surface:		ft.	Weight:	lb./ft.
3. PUBLIC S'	YSTEM NAME 035	38- 0	1			Drive Shoe:		15.	vveign.	10.711.
		ادر	NO7		11. SCREEN:				11	
4. ABANDON	MENT: /	Yes				Type:	RVC	Diameter		
Title and the control of the control	`				5	Slot/Gauge:		Length	****************	
Grouted Depth	: from <u>0.0</u>	0 to	Y #	ft.		t Between:		ft. and	Ti	ft.
			Thickness	Depth to			6	ft. and		ft.
F	ormation Description		of	Bottom of	Sieve	e Analysis:	Y/N		all and the parties in a section against	** _u ptol
			Stratum	Stratum	12. STATIC WAT	ER LEVEL	8.8	ft. below land s	urface after	24 hours.
					13. PUMPING LE	EVEL Below	w Land Surfa	ice.		
							ft. after		hrs Pump	ing GPM
					Pun	nping Test:				
	***	-				Yield:				
					14. WATER QUA	LITY				
					The second of th	al Analysis:	The second second second second	Bacte	rial Analysi	s:
					15. ARTIFICIAL F				nan-	
					1	talled from:		ft. to		ft.
						ective Size:		Uniformity Coef	ficient:	
	***************************************				16. WELL GROU					
					Neat Cem		Bentonite	Bentonite/Cem	ent	Other
						pth: From		ft. to		ft.
					17. NEAREST SC			CONTAMINATI	ON: A	. direction
	TO THE RESIDENCE OF THE PARTY O				-	Type:				
					18. PUMP:	Disinfected:	5	Type:	Amour	nt:
					Mfr. Name:		Date installed	1:		
					H.P.:		Volts:	Langth of viva	Model no.	
	***************************************				n.e.,	Capacity:		Length of pipe:	п.	
					TYPE:	Capacity.		gpm		
					1	ubmersible		Jet (shallow)		Turbine
					3	Jet (deep)		Reciprocating		Centrifugal
					19. WELL DRILL		Joe Smith	. tooptocating	CERT N	D.: 1648B
					Address			ling Services	Level: A	^
					1			eadows Court		(circle one)
					-		Convers, Ge			(011010 0110)
					Telenh	hone: 678-2		Fax		
					20. WATER WEL	THE RESERVE AND PERSONS ASSESSED.	Name and Address of the Owner, where the Owner, which is the O		Name and Address of the Owner, where	ed under
	rive bolish of male year, marins be marked 500 minutes o a se				my direction	and this re	port is true to	the best of my k	nowledge a	nd belief.
					-					
							~ 1	AS	CH	,
							Copagel	NY	and)	
5. REMARKS			DV	AIPID	Signed:		// /	***************************************	The state of the s	
	1" temp	well	0.4	012	Doto		1 a	MILL		
6. TYPE:		Jetted		Bored	Date:		1	MAIL		3400°00
	Mud Rotary				HED Lovel Dellar -	rouido aum -	ninina della de	nomo		
	Dug Cable tool	Air Rota	7	Driven Other	If D Level Driller, pr	ronae super	raising antiers	name.		
	Judic 1001	age!		Ottici						
DAEC 4003 W.	7/2002)	DDV 1 Mail	TO: D.O.	DED A DEL JENIT OF	JEALTH AND ENGIL	DONINGERIT	LI CONTROL	/ADDDESS ADD)\/E\	



1. WELL OWNER INFORMATION: Name: Coastal 76	7. PERMIT NUMBER: MWA #UMW-25643; UST Permit #03538
	8. USE:
(last) (first)	Residential Public Supply Process
Address: 2513 E. Palmetto Street	Irrigation Air Conditioning Emergency
(CON COC. MARIE MAINE MARIE M	Test Well Monitor Well Replacement
City: Florence State: SC Zip:	9. WELL DEPTH (completed)
City: Florence State: SC Zip:	Date Started: 10/1/14
Phone: N/A	ft. Date Completed 0 (2 / 1 / 1)
2. LOCATION OF WELL: COUNTY:	Diameter: //
70.00	Type: PVC
	in. to 6 ft. depth
City: Florence, SC	in. to ft. depth
	Height: Below
	Surface: ft. Weight: lb./ft.
3. PUBLIC SYSTEM NAME 03538-	Drive Shoe:
6w06	11. SCREEN:
4. ABANDONMENT: Yes	Type: AC Diameter:
	Slot/Gauge: 0.0 Length: 5
Grouted Depth: from 0.00 to ft.	Set Between: ft. and ft.
Thickness Depth to	ft. and ft.
Formation Description of Bottom of	Sieve Analysis: Y/N
Stratum Stratum	12. STATIC WATER LEVEL \$ 1.3 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)
	The application of the American Conference of the American Conference on the Confere
	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:
	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.
	T III A
	and B Smith
5. REMARKS: OVA/O	Signed:
I CONTEST	And the state of t
temp well 0.0	Signed: 9 16/2/4
6. TYPE: Mud Rotary Jetted Bored	tales tentre consentence and an entering tenter and an effect of the state of the s
Dug Air Rotary Driven	If D Level Driller, provide supervising driller's name.
Cable tool Auger Other	
7 agoi Sanoi	



1. WELL OWNER INFORMATION: Name: Coastal 76				7. PERMIT NUMBER:	MWA #UMW-25643;	UST Permit #03538
				8. USE:		
(last)	(first)			Residential	Public Supply	Process
Address: 2613 E. Palmetto	Street			Irrigation	Air Conditioning	Emergency
				Test Well	Monitor Well	Replacement
City: Florence	State:	SC	Zip:	9. WELL DEPTH (complet	ed)	The state of the s
				25	Date Started:	10/1/14
Phone: N/A				35	ft. Date Complet	
				10. CASING:	Threaded	Welded
2. LOCATION OF WELL:		COUNTY:	Warten	Diamete	r. 144	
Name: Coastal 76		E	orence	Тур	See	21
Address: 2513 E. Palmetto	Street	1	101 EV		1/1/4 in to	31 ft. depth
City: Florence, SC					in. to	ft. depth
				Heigh		
3. PUBLIC SYSTEM NAME 0353:	0			Surface	AND ASSESSMENT OF THE PARTY OF	Weight: lb./ft.
O. POBLIC STRIEN NAME 0333.	6	w05	D	Drive Short	B:	
4. ABANDONMENT: Y	es		<u> </u>		e: Steel Diamet	or 1/47
	7	_		Slot/Gaugi	China Charles Carles and Carles a	
Grouted Depth: from 0.00	to	35	ît.	Set Between		20 ft
		Thickness	Depth to		ft. and	ft.
Formation Description		of	Bottom of	Sieve Analysis	s: Y/N	delan-garantado e tito ante aproposacionis
		Stratum	Stratum	12. STATIC WATER LEVE	L 8.0 ft. below land	surface after 24 hours.
				13. PUMPING LEVEL Bei	ow Land Surface.	
					ft. after	hrs Pumping GPM
				Pumping Tes	Personal State Sta	
				Yieli	d:	
				14. WATER QUALITY Chemical Analysis	Don Boo	tarial Bashusia
				15. ARTIFICIAL FILTER (THE RESIDENCE OF THE PARTY OF T	terial Analysis:
				Installed from	the contraction of the contracti	ft.
				Effective Size	Participantly introduction and indicates	processing the contract to contract the contract of
				16. WELL GROUTED?		
			THE RESERVE OF THE PROPERTY OF	Neat Cement	Bentonite Bentonite/Cer	ment Other
				Depth: From	m ft. to	ft.
				17. NEAREST SOURCE	OF POSSIBLE CONTAMINA	TION: ft. direction
				Тур	9:	
				Well Disinfecter	туре:	Amount:
				18. PUMP:	Date installed:	THE STEP COLOR OF STEP COLOR OF THE SHARE SHARE SHARE SHARE
				Mfr. Name:		Model no.:
				H.P.:	Volts: Length of pipe	a: ft.
				Capacity	y: gpm	
				TYPE:	la lat /ahallax	TL:
				Submersib Jet (dee		Turbine Centrifugal
				19. WELL DRILLER:	Joe Smith	CERT NO.: 1648B
				Address:	Smith Drilling Services	
					2443 High Meadows Court	(circle one)
					Convers, Georgia 30094	
				Telephone: 678		ax:
					ER'S CERTIFICATION: This	well was drilled under
				my direction and this	report is true to the best of my	knowledge and belief.
						0
				9	0140	a Th
					Jul 48	THE STATE OF THE S
5. REMARKS:		OV	AIPTO	Signed:	F	never party secretary and read removal and a section (as a second or
			0.0	Date:	10/2/14	
6. TYPE: Mud Rotary	Jetted		Bored		auren anno anno anno anno anno anno anno an	and the digit from a control of a sub-printing control to the sub-printing of the sub-
Dug	Air Rot	ary /	Uriven	If D Level Driller, provide sup	pervising driller's name.	
Cable tool	Auger	(Other			



1 MELL OW	NER INFORMATION:			In Depart Museum.				
Name:	Coastal 76			7. PERMIT NUMBER:	MWA #	JMW-26643;	UST Pern	nit #03538
CONTRACTOR OF THE CONTRACTOR O				8. USE:				
	(last) (firs	t)		Residential	Public Supp	ļy	Process	
Address:	2513 E. Palmetto Stre	et		Irrigation	Air Condition	nina	Emergeno	¥
				Test Well	Monitor We		Replacem	
City:	Florence State	: SC	Zip:	9. WELL DEPTH (comple	and the same of th			
98				1.4	,	Date Started:	10/1//	4
Phone:	N/A				ft.	Date Complete	10/1	114
OCCUPANT OF THE PROPERTY OF TH				10. CASING:	Threaded	Date Complete	Welded	71 1
2. LOCATION	OF WELL:	COUNTY:	- Hallan	Diamet	er:) 1		***************************************	
Name:	Coastal 76			1	e PVC	PROGRAMMA.		
Address:	2513 E. Palmetto Stre	et	forence.	7,1	17	in. to	6	ft. depth
City:	Florence, SC				-	in, to	0	ft. depth
	,			Heig	ht: Below	to the same of the	***************************************	n. dopin
				Surfac		th	Weight:	lb./ft.
3. PUBLIC S	YSTEM NAME 03538-		_	Drive Sho	THE PERSON NAMED OF THE PE		rroigns.	70.711.
		GWOS	>	11. SCREEN:				
4. ABANDON	IMENT: Yes			Ту	De: PVC	Diamete	. //	
		11		Slot/Gaug	1e: 0 01	Length		
Grouted Depth	: from <u>10.00</u> to		ft.	Set Betwee	1e: 0.01	ft. and	11	ft.
		Thickness	Depth to			ft. and	mahahaaaaa	it.
F	ormation Description	of	Bottom of	Sieve Analys	is: Y/N	Para andre	arraterrastro tratamina in asserta	****
		Stratum	Stratum	12. STATIC WATER LEV	EL 8,2	ft. below land s	urface after	24 hours.
				13. PUMPING LEVEL BE	low Land Surf	ace.		
					ft. after		hrs Pumpi	ing GPM
				Pumping Te	st:			
				Yie	ld:			
				14. WATER QUALITY				
				Chemical Analys	THE RESERVE THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER.	Bacte	erial Analysis	s:
				15. ARTIFICIAL FILTER			neren	
				Installed fro	where the second property control and the second	ft. to		ft.
				Effective Siz	e:	Uniformity Coe	flicient:	
				16. WELL GROUTED?				
System A				Neat Cement	Bentonite	Bentonite/Cem	ent	Other
				Depth: Fro		ft. to	ION: ft.	ft.
and district the state of the s						CONTAMINAT	IOI4. IL.	direction
				Typ Well Disinfects	many color of the second of the second	Turo	A	4.
				18. PUMP:	Date installe	Туре:	Amoun	II.
				Mfr. Name:	Date instant	20.	Model no.	mark.
				H.P.:	Volts:	Length of pipe:		
				Capaci		gpm	H.	
				ТҮРЕ:	· y ·	gpm		
				Submersit	ale	Jet (shallow)		Turbine
944				Jet (des		Reciprocating		Centrifugal
				19. WELL DRILLER:	Joe Smith		CERT NO	D.: 1648B
				Address:		lling Services	Level: A	-
						leadows Court		(circle one)
						eorgia 30094		
				Telephone: 67		Fa)		
				20. WATER WELL DRILL	The second secon		-	ed under
				my direction and this	report is true to	the best of my k	nowledge ar	nd belief.
							_	
				1		110	de	1
					Copaged	NS	and)	
5. REMARKS		0	VAIPID	Signed:	11 9	018/14		nation.
100	1 temp med	1	0.0		1	019/14		
O TVDE:	1 100	-	The second line is not a second line in the second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a	Date:		01011	The Property of the Property o	
\$	Mud Rotary Jette		Bored	KD Level Difference in				
	Dug Air R Cable tool Augs		Driven Other	If D Level Driller, provide su	pervising driller	s name.		
1	Caule tour		Ottiel					
Language and the same of the s								



-									
1. WELL OWN Name:	NER INFORMATION Coastal 76			7. PERMIT NUM	IBER:	MWA #UI	/W-25643;	UST Perm	nit #03538
				8. USE:			Victoria de la constanta de la constanta de la constanta de la constanta de la constanta de la constanta de la		
	(last)	(first)		Residential		Public Supply		Process	
Address:	2513 E. Palmett			Irrigation		Air Conditionir		Emergency	
Market State of State				Test Well	5	Monitor Well	•	Replaceme	
City:	Florence	State: SC	Zip:	9. WELL DEPTH	(complete			перисения	3111
ony.	1 10101100	Otate. 00	21p.	O. WELL DEF IT	(combiere	uj	Date Started:	16/1///	§
Phone:	N/A							1 -	116.0
FIIUIIE.	11/24			10. CASING:			Date Complete	CONTRACTOR DESIGNATION OF THE PARTY OF THE P	
2. LOCATION	AF WELL		46445000	TO. CASING;		Threaded		Welded	
		COUNT			Diameter:				
Name:			Horence		Type:	PVC		/	
Address:		o Street					in. to	6	ft. depth
City:	Florence, SC			and and and and and and and and and and		No. 1 Acres (1970) of the control of	in. to	to an and a set of the second	ft. depth
7010					Height:	Below			
					Surface:		ft.	Weight:	lb./ft.
3. PUBLIC SY	STEM NAME 035	38- GWO	4		Drive Shoe:	-			
				11. SCREEN:				111	
4. ABANDON	MENT:	res /			Type:	PVC.	Diameter	r. I	_
		11			Slot/Gauge: et Between:	0.01	Length	5/	
Grouted Depth:	from 0.00	to	ft.	Se	et Between:	6	ft. and	TI	ft.
		Thickne	ss Depth to			hollowly by an arrange of	ft. and	1.1	ft.
Fo	ormation Description	of	Bottom of		re Analysis:				
		Stratur	m Stratum	12. STATIC WAT	TER LEVEL	7.8	ft below land s	urface after 2	4 hours.
				13. PUMPING L	EVEL Below	w Land Surfac	e.		
						ft. after		hrs Pumpir	ng GPM
				Pui	mping Test:				
					Yield:				
				14. WATER QUA	ALITY				
				THE RESERVE THE PROPERTY OF TH	al Analysis:	STREET, STREET	Bacte	rial Analysis	:
				15. ARTIFICIAL				-	
				Ins	stalled from:		ft. to		ft.
				Eff	ective Size:		Uniformity Coef	fficient:	
				16. WELL GROU	UTED?				
				Neat Cem	nent	Bentonite	Bentonite/Cem	ent	Other
				D	epth: From		ft. to		ft.
				17. NEAREST S	OURCE OF	POSSIBLE	CONTAMINATIO	ON: ft.	direction
					Type:				
				Well	Disinfected:		Туре:	Amount	
				18. PUMP:		Date installed:			
				Mfr. Name:				Model no.:	
				H.P.:		Volts:	Length of pipe:	ft.	
					Capacity:		gpm		
				TYPE:					
				8	Submersible		Jet (shallow)		Turbine
				9	Jet (deep)		Reciprocating		Centrifugal
				19. WELL DRILL	ER:	Joe Smith		CERT NO	The second secon
				Address		Smith Drilli	ng Services		(B) C D
		- Non-the-				2443 High Me			(circle one)
						Convers, Geo			
				Telen	hone: 678-2		Fax		
				20. WATER WEL	the second second second second second			The second secon	d under
							he best of my k		
				,			and a string in		
				-		~ 1	10	0	
		-				and	MY	and)	
5. REMARKS			0.11.1000	Signed	:	Toll	12/14	~~ ~	
	11	-11	OVAIPIL	1			101.1	t. a. rhose quiri à d'au autre marier à pres ministra autre de	name.
	1 temp	mell	1,9	Date:		10	012114		
6. TYPE: N	Mud Rotary	Jetted	Bored				· January Com		
	Dug	Air Rotary	Driven	If D Level Driller, p	provide supe	rvising driller's r	name.		
	Cable tool	Auger	Other						



1. WELL OWN Name:	IER INFORMATION: Coastal 76				7. PERMIT N	UMBER:	MWA #UN	/W-25643; L	JST Perr	nit #03538
radile.	2				8. USE:					
	(last)	(first)			Resident	tial	Public Supply		Process	
Address:	2513 E. Palmetto									
muuress.	ZOTO E. I AIIITELL	, walest			Imigation	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TW	Air Conditionin	-	Emergeno	
0.1	Elevenes	Chri	00	T	Test We		Monitor Well		Replacem	ent
City:	Florence	State:	SC	Zip:	S. WELL DEP	TH (complete)			0/1//11	j
								Date Started:	OLAL.	1111
Phone:	N/A							Date Completed	-	414
					10. CASING:		Threaded		Welded	8
2. LOCATION	OF WELL:	C	OUNTY:			Diameter:	1			
Name:	Coastal 76		Flo	mence		Type:	prc		/	1
Address:	2513 E. Palmetto	Street	, 10	,			100	in. to	6	ft. depth
Čity:	Florence, SC						The service desired the second service of the service of	in. to		ft. depth
						Height:	Below		A STATE OF THE PARTY OF THE PARTY OF	
						Surface:		ft.	Weight:	ib./ft.
3. PUBLIC SY	STEM NAME 0353	8- 6				Drive Shoe:	en Scattlingstranscratterings to Marketone 18			
		(J)	NO3		11. SCREEN			ALLES AND A STATE OF CHARLES AND AND AND AND AND AND AND AND AND AND		
4. ABANDON	MENT:	es		The state of the s			PVC	Diameter	11	
	<i>C</i>					Slot/Gauge:		Length	-	
Grouted Depth:	from 0.00	to		7	DO CONTRACTOR OF THE PARTY OF T	Set Between:	The state of the s	ft, and	11	 ft.
Crouted Deptil.	110111 0.00	-	Thickness	Depth to	-	JOI DOIMEDII.	6	ft. and	-+-	ft.
c.	rmation Description		of	Bottom of		Sieve Analysis:	Y/N	n. and	MINERAL SELECTION AND ADDRESS OF	11.
FO	лтаноп резспричи		Stratum	Stratum	Promote the second seco	VATER LEVEL	The same of the sa	ft. below land s	urface cha-	24 hours
			Stratum	Stratum	-	G LEVEL Below		NAME OF TAXABLE PARTY OF TAXABLE PARTY.	unace alter	24 Huurs.
					13. POMPIN	G LEVEL DEW		.e.	(P	
							ft. after	AND DESCRIPTION OF THE PERSON	hrs Pump	ing GPM
						Pumping Test:	***************************************			
						Yield:				
					14. WATER					
					the second secon	mical Analysis:	-	Bacte	rial Analysi	18:
					115. ARTIFICI	AL FILTER (fil				
					-	Installed from:		ft. to		ft.
						Effective Size:		Uniformity Coef	ticient:	
					16. WELL GI	ROUTED?	And the state of t			
					Neat (Cement	Bentonite	Bentonite/Cem	ent	Other
		,				Depth: From	A RESIDENCE OF THE PARTY OF THE	ft. to		ft.
					17. NEARES	T SOURCE OF	F POSSIBLE	CONTAMINATI	ON: fi	. direction
						Type:				
					W	Vell Disinfected:		Туре:	Amou	nt:
					18. PUMP:		Date installed			
					Mfr. Name:			and the state of t	Model no	.:
					H.P.:		Volts:	Length of pipe:	ft.	
						Capacity:		gpm		
					TYPE:	1		-		
						Submersible		Jet (shallow)		Turbine
						Jet (deep)		Reciprocating		Centrifugal
					19. WELL DI		Joe Smith	r.corprocating	CERTN	O.: 1648B
								ing Services		A (B) C D
					700	dress:			Editor 1	(circle one)
							2443 High Me			(circle otte)
					-		Conyers, Geo			
					-	elephone: 678-	Management of the Control of the Con	Fa)	THE RESERVE OF THE PERSON NAMED IN	
								CATION: This v		
					my dire	ction and this n	eport is true to	the best of my k	nowledge a	and belief.
									1)
							01	40	- TX	
							Magel	13 /2	me (
5. REMARKS	3:		~	VAIPIL	Si	gned:	11 1	grantes against sensitive for the project of participation of		ad construct
	11 +000-	10.1	1	2			1	AS 012/14		
	1 1amp	Wel	1	0.2	D	ate:	-	010/17		
6. TYPE:	Mud Rotary	Jetted		Bored						
	Dug	Air Rot	_	Driven	If D Level Dril	ler, provide supr	ervising driller's	name.		
	Cable tool	Auger		Other						
				-		NEDERLOWS AND SERVICES		/ADDDECC AD	0130	THE RESERVE OF THE PERSON NAMED IN COLUMN 1



4 WELL OVE	IPP INTERPRESENTAL									
Name:	NER INFORMATION: Coastal 76				7. PERMIT N	UMBER:	MWA #U	MW-25643;	UST Perm	nit #03538
10 and 10					8. USE:					
100 100 100 100 100 100 100 100 100 100	(last)	(first)			Residen	tial	Public Supply	,	Process	
Address:	2513 E. Palmett	o Street			Irrigation		Air Conditioni		Emergenc	¥
1					Test We	The state of the s	Monitor Wel		Replacem	-
City:	Florence	State:	SC	Zip:	9. WELL DEP				replaceri	VIII
							-,	Date Started:	10/2/14	
Phone:	N/A				35	2	ft.	Date Complete		14
100 mm					10. CASING:	THE REAL PROPERTY OF THE PERSONS ASSESSMENT	Threaded		Welded	1
2. LOCATION	OF WELL:	1	COUNTY:	Marian		Diameter:	11/4			
Name:	Coastal 76		F	orence		Type:	Sleet	**		
Address:	2513 E. Palmett	o Street		0.0.	-		11/4	in. to	31	ft. depth
Čity:	Florence, SC							in. to	-	ft. depth
					is acquain	Height:	Below	**	hour that it may not had do not only by the	orna .
					Manager Manage	Surface:		ft.	Weight:	lb./ft.
3. PUBLIC SY	STEM NAME 0353	38- /	203			Drive Shoe:	4125461961261-15131414141414141414141	-		
		The state of the s	200		11. SCREEN:		1 ,		-/	1
4. ABANDON	MENT:	es			RATIONAL PROPERTY OF THE PROPE	Туре:	Steel	Diamete	r. 14	
			05			Slot/Gauge:		Length	: 4	
Grouted Depth:	from 0.00	to	35	ft.	_	Set Between:	31	ft. and	35	ft.
			Thickness	Depth to				ft. and		ñ.
Fo	rmation Description		of	Bottom of	Processor and an owner of the party of the p	Sieve Analysis:	The same of the sa			
	NEXESTANCE		Stratum	Stratum	12. STATIC W			ft. below land s	urface after 2	24 hours.
					13. PUNIFING	LEVEL Belo		ce.		
-						Pumping Test:	ft. after	discountries and a second	hrs Pumpi	ng GPM
						Yield:	***************************************	-		
					14. WATER C	-				
					1	nical Analysis:		Bacte	erial Analysis	
					THE RESERVE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE PERSON NAME	AL FILTER (fil	THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWIND TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN	Duck	order Analy ord	
						Installed from:		ft. to		ft.
					7	Effective Size:	Per la company de la company d	Uniformity Coe	fficient:	
					16. WELL GR	OUTED?				
					Neat C	ement	Bentonite	Bentonite/Cem	ent	Other
						Depth: From		ft. to		ft.
					17. NEAREST	SOURCE OF	POSSIBLE	CONTAMINAT	ION: ft.	direction
					_	Туре:	Name of the State			
					Proposition of the later of the	ell Disinfected:		Туре:	Amount	:
					18. PUMP:		Date installed			mine.
					Mfr. Name:				Model no.:	
<u> </u>					H.P.:		Volts:	Length of pipe:	ft.	
						Capacity:		gpm		
					TYPE:					
						Submersible		Jet (shallow)		Turbine
					40	Jet (deep)		Reciprocating	APP	Centrifugal
					19. WELL DR		Joe Smith	ina Camina	CERT NO	_
					Addr	635.		ing Services	Level: A	(Sirolo ana)
							2443 High Me Conyers, Geo			(circle one)
					To To	lephone: 678-2		rgia 30094 Fa)		
					Secretaria de la companya del la companya de la com	THE RESERVE OF THE PERSON NAMED IN	The second secon	ATION: This v	and the second second second	d under
					-			the best of my k		
					my diec					a wono).
							_ 1	42	A	
							Charl	MS	ent	
5. REMARKS	4	-	21011	277	Sign	ned:	11		~~	
		(NAI	TD			Action and Control of	0 1111		
			0	1	Da	te:	16/.	2117		
	Aud Rotary	Jetted		Bored						
2	Dug	Air Rota	ary (Drive	If D Level Drille	r, provide supe	rvising driller's	name.		
	Cable tool	Auger		Other						
Leconomic		Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, whic								



1. WELL OWN Name:	NER INFORMATION	√: -			7. PERMIT N	IUMBER:	MWA #U	MW-25643; l	JST Peri	mit #03538
ivanie.	Coastal 10				8. USE:	Berton Hamman and Alberton (Montal Annual An		***************************************		
	(last)	(first)			Resider	ntial	Public Supply		Process	
Address:	2513 E. Palmet	. ,			Irrigation		Air Conditioni		Emergen	CA
					Test W	The state of the s	Monitor Wel	•	Replacen	-
City:	Florence	State:	SC	Zip:		PTH (complete				
								Date Started: \		111
Phone:	N/A				40.015315		ft.	Date Complete		17
2. LOCATION	OE MELL:	,	OUNTY:	-Attention	10. CASING		Threaded		Welded	
Name:						Diameter:	PVC	**		
Address:		to Street	1-10	orence	1	igpe.	111	in. to	6	ft. depth
City:								in. to		ft. depth
						Height.	Below	- 111. 10	arrana in a caractera to	n. doptii
Venego produce de la companya del companya de la companya del companya de la comp						Surface:		ft.	Weight:	lb./ft.
3. PUBLIC SY	STEM NAME 035	38- C	1 .60			Drive Shoe:	***************************************			
			COM		11. SCREEN		_			
4. ABANDON	MENT:	YES .			o.		PVC	Diameter	: 1"	overel from
			11			Slot/Gauge:	and the same of the same of the same of	Length	: 5'	mayaran .
Grouted Depth:	from 0.0			ft.	-	Set Between:	6	ft. and	1	ft.
-	ti Diti		Thickness of	Depth to Bottom of		0:	**************************************	ft. and	*****************	Ĥ.
FL	ormation Description		Stratum	Stratum	THE TAX PROPERTY OF THE PARTY O	Sieve Analysis: WATER LEVEL	CONTRACTOR OF THE PARTY OF THE	ft. below land s	urface offer	24 hours
			Ottatotti	Ottatum	-	G LEVEL Belo		The second secon	unace anei	24 1100/5.
							ft. after		hrs Pump	oing GPM
						Pumping Test:	•	10*030*********************************		3
						Yield:	Tongs to the same of the same			
					14. WATER	QUALITY				
					THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	mical Analysis:		Bacte	rial Analys	is:
					15. ARTIFIC	IAL FILTER (fil			-	
					-	Installed from:	******************************	ft. to	v :	ft.
					16. WELL G	Effective Size:		Uniformity Coef	ncient.	
					-	Cement	Bentonite	Bentonite/Cem	ent	Other
					liou.	Depth: From		ft. to	om	ft.
					17. NEARES	THE RESERVE OF THE PERSON NAMED IN	The same of the sa	CONTAMINATI	ON: fi	
						Type:				
					V	Vell Disinfected:		Туре:	Amou	nt:
					18. PUMP:		Date installed	1:	energy control and the control of th	****
					Mfr. Name:				Model no	.:
					H.P.:		Volts:	Length of pipe:	ft.	
						Capacity:		gpm		
					TYPE:	0.1 11		1		T 1:
						Submersible		Jet (shallow)		Turbine
					19, WELL D	Jet (deep)	Joe Smith	Reciprocating	CERTN	Centrifugal O.: 1648B
						dress:		ling Services		A (B) C D
					1			eadows Court		(circle one)
							Conyers, Ger			,
					TT	elephone: 678-		Fax	:	
					20. WATER	WELL DRILLE	R'S CERTIFI	CATION: This w	rell was dri	led under
					my dire	ction and this re	eport is true to	the best of my k	nowledge a	and belief.
					-			1 -	-/)
							01	42	an II	
5. REMARKS				10.5	Si	gned:	1/29	111	W)	
e. newanna	161	. 11	out	YPTD			161	A8	angana Panganan na Gradinos consecu	
	temp	nell	1	3.7	D	ate:	101	0/17		
1	Mud Rotary	Jetted		Bored `						
1	Dug	Air Rota	iry	Driven	If D Level Drill	ler, provide supe	ervising driller's	name.		
	Cable tool	Augi		Other						
L								440000000000000000000000000000000000000		The second secon



1. WELL OWNER INFORMATION: Name: Coastal 76			7. PERMIT NUMBER:	MWA #UMW-2564	3; UST Permit #03538
STATE OF THE STATE			8. USE:		
(last) (first)			Residential	Public Supply	Process
Address: 2513 E. Palmetto Street			Irrigation	Air Conditioning	Emergency
violent de la constant		Test Well	Monitor Well	Replacement	
City: Florence State:	SC	Zip:	9. WELL DEPTH (complet		(Copration of the control of the con
				Data Starta	d: 10/1/14
Phone: N/A				ft. Date Comp	leted 10/2/14
2. LOCATION OF WELL:		Andrew Control of the	10. CASING:	Threaded	Welded
Name: Coastal 76	COUNTY:	- Michon	Diamete	And the state of t	
	+	Forence	Тур	B: PVC	/
Address: 2513 E. Palmetto Street				in. to	6 ft. depth
City: Florence, SC				in. to	ft. depth
13 - 13 - 13 - 13 - 13 - 13 - 13 - 13 -			Heigh	t: Below	
			Surface	e: ft.	Weight: lb./ft.
3. PUBLIC SYSTEM NAME 03538-	1.001		Drive Short	2 .	
The same of the sa	ONO		11. SCREEN:		. (1
4. ABANDONMENT: Yes			Туря	e: PVC Diam	eter:
a de constante de	u M			THE STATE OF THE S	ngth: 5
Grouted Depth: from <u>0.00</u> to		ft.	Set Between		11 ft.
	Thickness	Depth to		ft, and	ft.
Formation Description	of	Bottom of	Sieve Analysis	s: Y/N	A Restall of the explosion of a sound operations
	Stratum	Stratum	12. STATIC WATER LEVE	L 7,1 ft. below lan	d surface after 24 hours.
			13. PUMPING LEVEL Bei		
				ft. after	hrs Pumping GPM
			Pumping Tes	t:	Although a chairman and a chairman a chairma
			Yield	1:	
			14. WATER QUALITY		
			Chemical Analysis	s: 8a	acterial Analysis:
			15. ARTIFICIAL FILTER (***************************************
			Installed from	minoral market plants and a second	ft.
			Effective Size	Uniformity C	Coefficient:
			16. WELL GROUTED?		
			Neat Cement	Bentonite Bentonite/C	ement Other
			Depth: From	n ft. to	ft.
			17. NEAREST SOURCE C	F POSSIBLE CONTAMIN	ATION: ft. direction
			Туре	9:	
			Well Disinfected	t: Type:	Amount:
			18. PUMP:	Date installed:	
			Mfr. Name:	maty reconstruction of the contract of the con	Model no.:
			H.P.:	Volts: Length of pi	
			Capacity		ре. п.
			ТҮРЕ:	. Abiti	
			Submersibl	o jak falsalla	T
			Jet (deep 19. WELL DRILLER:) Reciprocation Joe Smith	ng Centrifugal
			Address:	Smith Drilling Service	-
			nauress.		
				2443 High Meadows Court Convers, Georgia 30094	(circle one)
			Talantan one		
			Telephone: 678		Fax:
				ER'S CERTIFICATION: Thi	
			my direction and this	report is true to the best of m	y knowledge and belief.
			-		-0
				0140	with.
E DEMARKS		to	- Cinnet	gul 18	W/
5. REMARKS:	OVA	リトキロ	Signed:		ng nak a na Palah dari kalis hali a kahar ay na ali ya a dha na Malahadiya.
I tema will	(3,0	Date:	1012/14	
6. TYPE: Mud Rotary Jetted		Bored			garantee) satisfactor recorporation of the constant
Dug Air Rota		Driven	If D Level Driller, provide sup	ervising driller's name	
Cable tool Auger		Other	The same of the same of the	and a mana.	
	AND DESCRIPTION OF THE PERSON NAMED IN				

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: I Smith	Company Smith Drilling Services						



Installation Date: November 22, 2014	Logged By: Trever Slack
Elevation (feet msl) (feet) Depth Diagram Diagram OVA/PID O	Soil Description Grass/Organic Topsoil Mottled moderate red (5R 4/6) and moderate orange pink (10R 7/4), dry, silty clay Moderate reddish brown (10R 4/6), dry, silty sand
	Moderate reddish brown (10R 4/6), slightly moist to moist, silty sand
13 - 13 - 13 - 13 - 13 - 13 - 13 - 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 Water Level at Time of Boring 24-Hour Water Level ○ ○ ○ ○ Sand Clayey Sand Silty Sand	encountered at 12.0 feet below ground surface at time of boring and 9.0 feet
Clayey Silt	Total Well Depth = 11.81 feet Below Ground Surface
Sandy Silt	Screen = 0.01-inch slot (1.61 to 11.61 feet Below Ground Surface)
Silty Clay	

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 Comparison of the control of the						
wation et msl) pth et) MAPID M) htty Moist st andwater						
Grass/Organic Topsoil						
Mottled moderate red (5R 4/6) and moderate orange pink (10R 7/4), dry,	silty clay					
Moderate reddish brown (10R 4/6), dry, to moist, silty sand Moderate reddish brown (10R 4/6), wet, silty sand						
Boring terminated at 14.0 feet below ground surface.						
Notes Notes Boring terminated at 14.0 feet below ground surface. Groundwate	r					
Bentonite Seal (1.0 - 2.0 feet BGS) encountered at 10.0 feet below ground surface at time of boring an						
Bentonite-Cement Grout (0 - 1.0 feet BGS) below ground surface after 24 hours. Flush Mount well completion						
▼ Water Level at Time of Boring inch diameter steel, bolted manhole cover installed in a 2-foot by 2	-foot					
vater Level concrete pad. Valent Ever at Time of Boring concrete pad. Northing = 862643.974						
Easting = 2386599.774						
Clayey Sand Top of Casing Elevation = 143.67 (NAVD 88)						
Silty Sand Ground Surface Elevation = 143.97 (NAVD 88)						
Clayey Silt Total Well Depth = 12.32 feet Below Ground Surface						
Sandy Silt Screen = 0.01-inch slot (2.12 to 12.12 feet Below Ground Surface))					
Silty Clay						

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

Silty Clay



Diffici i vallet 3: Simai	ENGINEERS & CONSULTANTS
Installation Date: November 24, 2014 Logged By:	Trever Slack
Mott - 2 -	Soil Description Is/Organic Topsoil Itled moderate red (5R 4/6) and moderate orange pink (10R 7/4), dry, silty clay Iterate reddish brown (10R 4/6), dry to slightly moist, silty sand Iterate reddish brown (10R 4/6), moist to wet, silty sand
Boria	ng terminated at 15.0 feet below ground surface.
Legend	Notes
Filter Sand Pack (4.0 - 14.0 feet BGS)	Boring terminated at 15.0 feet below ground surface. Groundwater
Bentonite Seal (2.0 - 4.0 feet BGS)	encountered at 13.0 feet below ground surface at time of boring and 9.0 feet
Bentonite-Cement Grout (0 - 2.0 feet BGS)	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
▼ Water Level at Time of Boring	concrete pad.
✓ 24-Hour Water Level	Northing = 862700.102
Sand	Easting = 2386682.369
Clayey Sand	Top of Casing Elevation = 143.93 (NAVD 88)
Silty Sand	Ground Surface Elevation = 144.21 (NAVD 88)
Clayey Silt	Total Well Depth = 14.70 feet Below Ground Surface
Sandy Silt	Screen = 0.01-inch slot (4.50 to 14.50 feet Below Ground Surface)
CIL CI	

Company: Smith Drilling Services

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	d By: Trever Slack
- 2- 3- 3- 3- 3- 3- 3- 3- 3- 3- 3- 3- 3- 3-	Soil Description Grass/Organic Topsoil Mottled moderate red (5R 4/6) and moderate orange pink (10R 7/4), dry, silty clay Moderate reddish brown (10R 4/6), slightly moist, silty sand Moderate reddish brown (10R 4/6), moist to wet, silty sand
	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	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)
Clayey Silt Sandy Silt Silty Clay	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



Installation Date: November 24, 2014	Logged By: Trever Slack	
Elevation (feet msl) Depth (feet) Graphic Log Graphic Log Graphic Log Graphic Log Graphic Log	Signally Moist Wet Groundwatter Groundwatter	
14 14 14 16 17 17 17 17 17 17 17	6-imches of soil/gravel underlain by 6-inches of broken aspahlt and g	gravel
- 1 - 2 - 3 - 4 - 4 - 5 - 5 - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Mottled moderate red (5R 4/6) and moderate orange pink (10R 7/4),	dry, silty clay
7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -	Moderate reddish brown (10R 4/6), slightly moist, silty sand	
8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Moderate reddish brown (10R 4/6), moist, silty sand	
0.3 - 11 - 12 - 13 - 14 - 14 - 15 - 15 - 15 - 15 - 15 - 15	Moderate reddish brown (10R 4/6), wet, silty sand	
15	Boring terminated at 16.0 feet below ground surface.	
Legend	Notes	
Filter Sand Pack (4.0 - 14.0 feet B	GS) Boring terminated at 16.0 feet below ground surface. Ground	lwater
Bentonite Seal (2.0 - 4.0 feet BGS)	· · · · · · · · · · · · · · · · · · ·	
Bentonite-Cement Grout (0 - 2.0 fc	below ground surface after 24 hours. Flush Mount well comp	
▼ Water Level at Time of Boring	inch diameter steel, bolted manhole cover installed in a 2-foot	t by 2-foot
✓ 24-Hour Water Level	concrete pad. Northing = 862571.793	
Sand	Easting = 2386724.121	
Clayey Sand	Top of Casing Elevation = 145.03 (NAVD 88)	
Silty Sand	Ground Surface Elevation = 145.28 (NAVD 88)	
Clayey Silt	Total Well Depth = 15.29 feet Below Ground Surface	
Sandy Silt	Screen = 0.01-inch slot (5.09 to 15.09 feet Below Ground Sur	rface)
Silty Clay		
	•	

FIELD BORING LOG (11456-MW22D)

Job Name: Bucks Quick Stop Job Number: J13-002-B

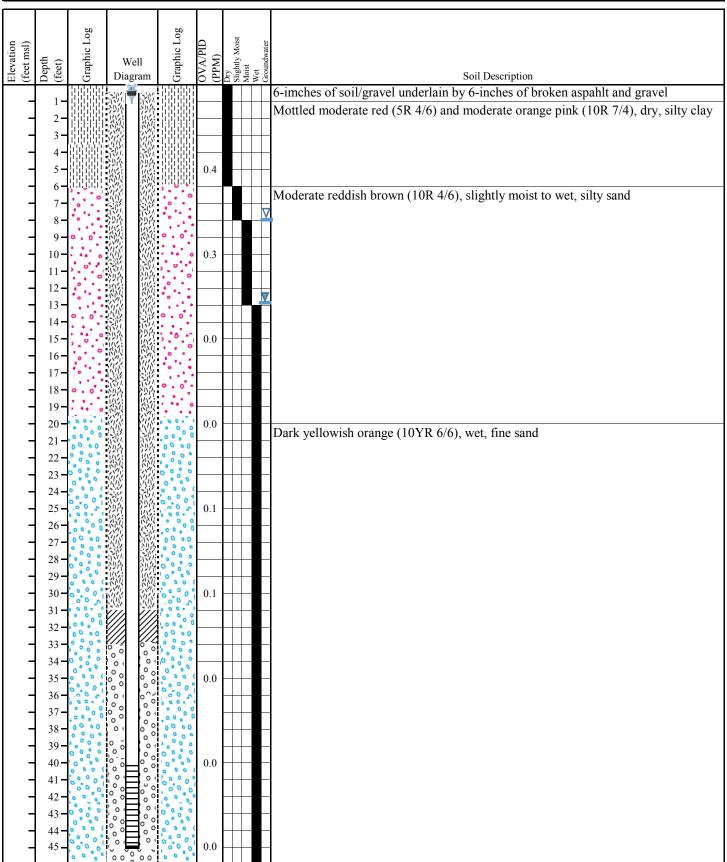
Site Address: 28 North Main Street, Cross Hill, South Carolina

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





Borin	g terminated at 46.0 feet below ground surface.
Legend □ ○ ○ □ Filter Sand Pack (38.0 - 45.0 feet BGS) 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 □ □ □ □ Sand Clayey Sand Silty Sand	Notes 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)
Clayey Silt Sandy Silt Silty Clay	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

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	ENGINEERS & CONSCENNIS
well Diagram 1 - Gebruich (Mad) 2 - Graphic Tollows (Mad) - 4 - Graphic Tollows (Mad) - 4 - Graphic Tollows (Mad) - 4 - Graphic Tollows (Mad) - 4 - Graphic Tollows (Mad) - 4 - Graphic Tollows (Mad) - 4 - Graphic Tollows (Mad) - 4 - Graphic Tollows (Mad) - 4 - Graphic Tollows (Mad) - 4 - Graphic Tollows (Mad) - 4 - Graphic Tollows (Mad) - 4 - Graphic Tollows (Mad) - 4 - Graphic Tollows (Mad) - 4 - Graphic Tollows (Mad) - 4 - Graphic Tollows (Mad) - 4 - Graphic Tollows (Mad) - 4 - Graphic Tollows (Mad) - 5 - Graphic Tollows (Mad) - 6 - Graphic Tollows (Mad) - 7 - Graphic Tollows (Mad) - 8 - Graphic Tollows (Mad) - 10 - Graphic Tollows (Mad) - 11 - Graphic Tollows (Mad) - 12 - Graphic Tollows (Mad) - 13 - Graphic Tollows (Mad) - 14 - Graphic Tollows (Mad) - 15 - Graphic Tollows (Mad) - 16 - Graphic Tollows (Mad) - 17 - Graphic Tollows (Mad) - 18 - Graphic Tollows (Mad) - 19 - Graphic Tollows (Mad) - 10 - Graphic Tollows (Mad) - 10 - Graphic Tollows (Mad) - 11 - Graphic Tollows (Mad) - 12 - Graphic Tollows (Mad) - 13 - Graphic Tollows (Mad) - 14 - Graphic Tollows (Mad) - 15 - Graphic Tollows (Mad) - 16 - Graphic Tollows (Mad) - 17 - Graphic Tollows (Mad) - 18 - Graphic Tollows (Mad) - 18 - Graphic Tollows (Mad) - 19 - Graphic Tollows (Mad) - 10 - Graphic Tollows (M	Moderate reddish brown (10R Mod	and moderate orange pink (10R 7/4), dry, silty clay 4/6), slightly moist, silty sand 4/6), moist, silty sand
Legend oooo Filter Sand Pack (5.0 - 16.0 feet BC) Bentonite Seal (3.0 - 5.0 feet BGS) Bentonite-Cement Grout (0 - 3.0 fe ▼ Water Level at Time of Boring ▼ 24-Hour Water Level Sand Clayey Sand Clayey Sand Clayey Silt Sandy Silt Sandy Silt Silty Clay	encountered at 9.0 feet below ground surface a inch diameter steel, bol concrete pad. Northing = 862615.867 Easting = 2386770.481 Top of Casing Elevatio Ground Surface Elevati Total Well Depth = 15.	5.0 feet below ground surface. Groundwater below ground surface at time of boring and 14.0 feet fter 24 hours. Flush Mount well completion with 8-ted manhole cover installed in a 2-foot by 2-foot

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



	ation Date: November 21, 2014	Logged By: Trever Slack		ENGINEERS & CONSULIANTS
mstan	ation Date: November 21, 2014	Logged by:	Trever Stack	
Elevation (feet msl)	(feet) Graphic Log Graphic Log Graphic Log OVA/PID (PPM)	Sightly Moist Moist Wet Groundwater		Soil Description
		Grass	/Organic Topsoil	
	1 - 2 - 3 - 4 - 4 - 5 - 6 - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		, ,	and moderate orange pink (10R 7/4), dry, silty clay 4/6), slightly moist to moist, silty sand
	8 - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	∇		
	10 11 12 13	Mode	erate reddish brown (10R 4	4/6), wet, silty sand
		Borin	ng terminated at 14.0 feet b	pelow ground surface.
Legen		•	Notes	
000	Filter Sand Pack (2.0 - 14.0 feet B	GS)	_	.0 feet below ground surface. Groundwater
	Bentonite Seal (1.0 - 2.0 feet BGS)		below ground surface at time of boring and 7.0 feet
30%	Bentonite-Cement Grout (0 - 1.0 fe	eet BGS)	_	ter 24 hours. Flush Mount well completion with 8-
∇	Water Level at Time of Boring			ed manhole cover installed in a 2-foot by 2-foot
∇	24-Hour Water Level		concrete pad. Northing = 862635.982	
000			Easting = 2386832.681	
	Clayey Sand		Top of Casing Elevation	n = 143.78 (NAVD 88)
	Silty Sand			on = 143.99 (NAVD 88)
• • •	Clayey Silt		Total Well Depth = 13.	19 feet Below Ground Surface
()::V	Sandy Silt		Screen = 0.01-inch slot	(2.99 to 12.99 feet Below Ground Surface)
	Silty Clay			

FIELD BORING LOG (03538-MW25)					
Job Name: Coastal 76 Truck Stop	Job Number: J14-070-A				
Site Address: 2513 E. Palmetto Street, Floren	ce, 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				



Instal	lation Date:	November	- 21 201	1	Logge	d Rv.	Trever Slack	ENGINEERS & CONSCETANTS
Ilistai	lation Date.	November	21, 201	.4	Logge	и Бу.	Hevel Slack	
Elevation (feet msl)	Depth (feet) Graphic Log	Well Diagram	Graphic Log	OVA/PID (PPM) Drv	Slightly Moist Moist Wet Groundwater			Soil Description
-	1 – 2 – 3 – 4 – 5 – 6 – 6 – 6 – 6 – 7 – 6 – 6 – 6 – 7 – 6 – 6			0.0		Mottle	, , ,	and moderate orange pink (10R 7/4), dry, silty clay 4/6), slightly moist, silty sand
	8 - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.0		ı	,	4/6), moist to wet, silty sand
т	1					Богице	g terminated at 14.0 feet	below ground surface.
Legen	G Filter Sand Pa	ack (2.0 -	- 14.0	feet Bo	GS)		Notes Boring terminated at 14	.0 feet below ground surface. Groundwater
	Bentonite Sea	ıl (1.0 - 2	2.0 feet	t BGS))			t below ground surface at time of boring and 9.0 feet
3317	Bentonite-Cer	ment Gro	out (0 -	- 1.0 fe	eet BGS)	_	fter 24 hours. Flush Mount well completion with 8-
∇	Water Level a	at Time o	of Bori	ng			inch diameter steel, bolt concrete pad.	ted manhole cover installed in a 2-foot by 2-foot
▼	24-Hour Wate	er Level					Northing = 862554.716	
0000	Sand						Easting = 2386832.691	
	Clayey Sand						Top of Casing Elevation	n = 144.04 (NAVD 88)
	Silty Sand						Ground Surface Elevati	on = 144.45 (NAVD 88)
	Clayey Silt						Total Well Depth = 13.	36 feet Below Ground Surface
	Sandy Silt						Screen = 0.01-inch slot	(3.16 to 13.16 feet Below Ground Surface)
	Silty Clay							

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
Well Discrement Check Well Discrement Check Well Discrement Check Soil Description Grass/Organic Topsoil Mottled moderate red (5R 4/6) and moderate orange pink (10R 7/4), dry, silty clay Moderate reddish brown (10R 4/6), slightly moist, silty sand Moderate reddish brown (10R 4/6), moist, silty sand Moderate reddish brown (10R 4/6), wet, silty sand Boring terminated at 16.0 feet below ground surface.	
Legend Social Filter Sand Pack (4.0 - 16.0 feet Bo	Notes GS) Boring terminated at 16.0 feet below ground surface. Groundwater
Bentonite Seal (2.0 - 4.0 feet BGS)	encountered at 14.0 feet below ground surface at time of boring and 11.0
Bentonite-Cement Grout (0 - 2.0 fe	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
▼ Water Level at Time of Boring	concrete pad.
✓ 24-Hour Water Level	Northing = 862461.702
Sand	Easting = 2386834.720
Clayey Sand	Top of Casing Elevation = 144.96 (NAVD 88)
Silty Sand	Ground Surface Elevation = 145.22 (NAVD 88)
Clayey Silt	Total Well Depth = 15.06 feet Below Ground Surface
Sandy Silt	Screen = 0.01-inch slot (4.86 to 14.86 feet Below Ground Surface)
Silty Clay	

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

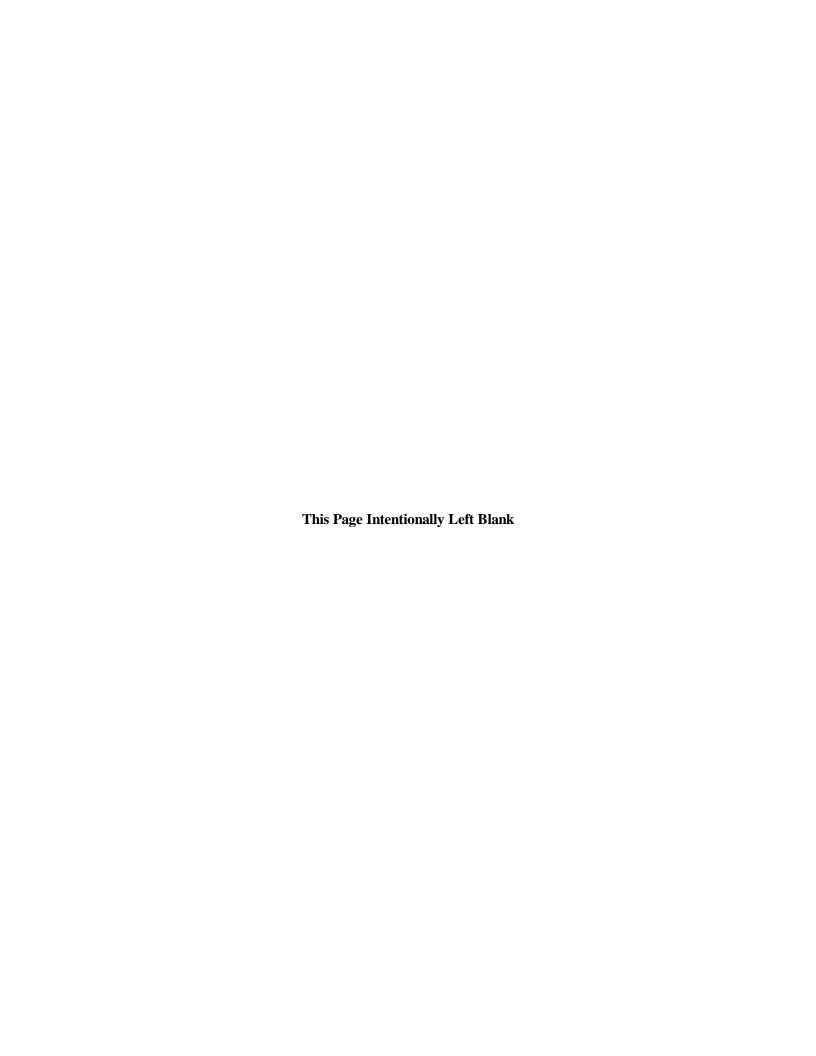


Installa	ation Date:	November	24, 201	4	Logg	ged l	By: Trever Slack
Elevation (feet msl)	Depun (feet) Graphic Log	Well Diagram	Graphic Log	OVA/PID (PPM)	Dry Slightly Moist Moist Wet	Groundwater	Soil Description
	1 - 1000000	滋ᆕ滋!				G	Grass/Organic Topsoil
	2 – 1 3 – 1 4 – 1 5 – 1			0.0		M	Mottled moderate red (5R 4/6) and moderate orange pink (10R 7/4), dry, silty clay
1 1	6		•••			М	Moderate reddish brown (10R 4/6), slighlty moist, silty sand
1 1	7		•				Touchard Tourist (Total 170), Stignier moist, stief said
	8						
	9 0 0 0		, ,	0.2			
	10	S•E°S		0.2		∇	
	12	° . ⊟ . ° °	。。。			M	Moderate reddish brown (10R 4/6), moist to wet, silty sand
_	13						
	14 - • • • •		0			V	
_	15	ê° Hê					
	*, ***	00000	۸ ٠			B	Boring terminated at 16.0 feet below ground surface.
*	,					ים	-
Legend	a Filter Sand 1	Pack (4.0 -	16.0 ±	foot R	GS)		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
/////	Bentonite So	*			*	(a)	feet below ground surface after 24 hours. Flush Mount well completion with
	Bentonite-C				eet BG	iS)	8-inch diameter steel, bolted manhole cover installed in a 2-foot by 2-foot
	Water Level		of Bori	ng			concrete pad.
	24-Hour Wa	ater Level					Northing = 862361.177
. 000	Sand						Easting = 2386590.226
	Clayey Sand	l					Top of Casing Elevation = 144.77 (NAVD 88)
	Silty Sand						Ground Surface Elevation = 145.10 (NAVD 88)
	Clayey Silt						Total Well Depth = 15.25 feet Below Ground Surface
	Sandy Silt						Screen = 0.01-inch slot (5.05 to 15.05 feet Below Ground Surface)
	Silty Clay						

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



	ogged By: Trever Slack
Bevation (Keet ms) (Gentium (Mad) (M	Soil Description Grass/Organic Topsoil Mottled moderate red (5R 4/6) and moderate orange pink (10R 7/4), dry, silty clay Moderate reddish brown (10R 4/6), slightly moist to wet, silty sand W Boring terminated at 14.0 feet below ground surface.
Legend Solve Solve Filter Sand Pack (2.0 - 14.0 feet BGS) Bentonite Seal (1.0 - 2.0 feet BGS) Bentonite-Cement Grout (0 - 1.0 feet Water Level at Time of Boring 24-Hour Water Level Sand Clayey Sand Clayey Sand Clayey Silt Sandy Silt Silty Clay	encountered at 10.0 feet below ground surface at time of boring and 7.0 feet





1. WELL OWNER INFORMATION: Name: Coastal 76	7. PERMIT NUMBER: MWA #UMW-25643	; UST Permit #03538
	8. USE:	
(last) (first)	Residential Public Supply	Process
Address: 2513 E. Palmetto Street	Irrigation Air Conditioning	Emergency
That is a second of the second	Test Well Monitor Well	Replacement
City: Florence State: SC Zip:	9. WELL DEPTH (completed)	
		11/21/14
Phone: N/A	10. CASING: Threaded	ted: 11/22/1-\ Welded
2. LOCATION OF WELL: COUNTY: Florence	Diameter: 2"	770000
Name: Coastal 76	TVC - Type: PVC	
Address: 2513 E. Palmetto Street	à in. to	ft. depth
City: Florence, SC	GOV a in. to in. to	ft. depth
210100 - 2 - 2 - 2 - 2 - 2 - 2	Height: Below in to	
862508,518 2386563,758	Surface: ft.	Weight: lb./ft.
3. PUBLIC SYSTEM NAME: 03538-	Drive Shoe:	
	11. SCREEN:	
4. ABANDONMENT:	Type: PVC Diame	
	Slot/Gauge: 0.010" Len	gth: 0 *
Grouted Depth: from to ft.	Set Between: 1, 61 ft. and	11,6/ ft.
Thickness Depth to	ft. and	ft.
Formation Description of Bottom of	Sieve Analysis: Y/N	
Stratum Stratum		I surface after 24 hours.
	13. PUMPING LEVEL Below Land Surface.	
	ft. after	hrs Pumping GPM
	Pumping Test:	
	Yield:	
GS	14. WATER QUALITY	
a100° —		cterial Analysis:
MUL	15. ARTIFICIAL FILTER (filter pack) Sand	- 12 .
- ORIL	Installed from: ft. to	13 ft.
TE BO	Effective Size: Uniformity C	Demicient:
SEE BORING LOGS	16. WELL GROUTED?	
'	Neat Cement Bentonite Bentonite/Ce	
	Depth: From 0.0 ft. to 17. NEAREST SOURCE OF POSSIBLE CONTAMINA	ft.
		non. it. direction
	Type:	Amount:
	Well Disinfected: Type: 18. PUMP: Date installed:	Amount.
	Mfr. Name:	Model no.:
	H.P.: Volts: Length of pip	
	1	е. п.
	Capacity: gpm	
	Submersible Jet (shallow)	Turbine
	Jet (deep) Reciprocatin	
	19. WELL DRILLER: Joe smith	CERT NO.: 1648B
	Address: Smith Drilling Service:	
	2443 High Meadows Court	(circle one)
	Convers, Georgia 30094	(011010 0110)
	-	ax:
	20. WATER WELL DRILLER'S CERTIFICATION: This	
	my direction and this report is true to the best of my	
		~
	7 2160	cth
	Copage 12 %	met)
5. REMARKS:	Signed:	
Bentonite Seal	Signed:	
6. TYPE: Mud Rotary Jetted Bored	Totale.	
Dug Air Rotary Driven	If D Level Driller, provide supervising driller's name.	
Cable tool Auger Other	D Ector Dillier, provide Supervising utilier's name.	
Cape 1001 Cities		
	1	



1. WELL OWNER INFORMATION: Name: Coastal 76	7. PERMIT NUMBER: MWA #UMW-25643; UST Permit #03538
	8. USE:
(last) (first)	Residential Public Supply Process
Address: 2513 E. Palmetto Street	Irrigation Air Conditioning Emergency
Additional Edition of the Control of	Test Well Monitor Well Replacement
City: Florence State: SC Zip:	9. WELL DEPTH (completed)
ong. Professor State. 30 Ep.	Data Started: 11/92/11/
Phone: N/A	12.32 ft. Date Completed: 1/24/14
Filone. WA	10. CASING: Threaded Welded
2. LOCATION OF WELL: COUNTY: Florence	Diameter: 2"
Name: Coastal 76	
Address: 2513 E. Palmetto Street	1 in. to 2,12, ft. depth
City: Florence, SC	in. to ft. depth
	Type: PVC in. to in. to t. depth in. to t. depth
362643.974 2386599.774	Surface: ft. Weight: lb./ft.
DIDLE CVCTCM NAME, 02520	Drive Shoe:
S. POBLIC STSTEIN NAME: 03538- MW/ 9	11. SCREEN:
4. ABANDONMENT:	Type: PVC Diameter: 2"
	Slot/Gauge: 0.010" Length: 0
Grouted Depth: from to ft.	Set Between: 2,12 ft. and 12.19 ft.
Thickness Depth to	ft. and ft.
Formation Description of Bottom of	Sieve Analysis: Y/N
Stratum Stratum	12. STATIC WATER LEVEL 2 ft. below land surface after 24 hours.
	13. PUMPING LEVEL Below Land Surface.
	ft. after hrs Pumping GPM
	Pumping Test:
	Yield:
SEE BORING LOGS	14. WATER QUALITY
1000	Chemical Analysis: Bacterial Analysis:
NGL	15. ARTIFICIAL FILTER (filter pack) Sand
ORIN	Installed from: 2 ft. to 13 ft.
TO BUT	Effective Size: Uniformity Coefficient:
SEC	16. WELL GROUTED?
O .	Neat Cement Bentonite Bentonite/Cemen Other
	Depth: From 0.0 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
	1
	2443 High Meadows Court (circle one)
	Conyers, Georgia 30094 Telephone: 678-201-9849 Fax:
	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.
	my direction and this report is true to the best of my knowledge and bellet.
	- 110 A
	Charl B Smith
5. REMARKS:	Signed:
Bentonite Seal	Signed: 01/24/14
<u></u>	Date: 1/24/14
6. TYPE: Mud Rotary Jetted Bored	
Dug Air Rotary Driven	If D Level Driller, provide supervising driller's name.
Cable tool Auger Other	
DUEC 4003 07 700035 CODY 4 MAIL TO BE DEDARTMENT OF	HEALTH AND ENVIRONMENTAL CONTROL (ADDDECC ADOVE)



1. WELL OWNER INFORMATION: Name: Coastal 76	7. PERMIT NUMBER: MWA #UMW-25643; UST Permit #03538
Name: Coastal 76	8. USE:
(last) (first)	Residential Public Supply Process
Address: 2513 E. Palmetto Street	Irrigation Air Conditioning Emergency
Address. 2010 E. Fallifotto di oct	Test Well Monitor Well Replacement
City: Florence State: SC Zip:	9. WELL DEPTH (completed)
Phone: N/A	14.70 Date Started: 11/23/14 ft. Date Completed: 11/24/14
	10. CASING: Threaded Welded
2. LOCATION OF WELL: COUNTY: Florence	Diameter: 2"
Name: Coastal 76	Type: PVC 2 in. to 4,50 ft. depth in. to ft. depth
Address: 2513 E. Palmetto Street	2 in. to 4,50 ft. depth
City: Florence, SC	in. toft. depth
861700.102 2386682.369	Height: Below Surface: ft. Weight: lb./ft.
3. PUBLIC SYSTEM NAME: 03538.	Drive Shoe:
862700.102 2386682.369 3. PUBLIC SYSTEM NAME: 03538- MW20	11. SCREEN:
4. ABANDONMENT:	Type: PVC Diameter: 2"
	Slot/Gauge: 0.010" Length: 0
Grouted Depth: from to ft.	Slot/Gauge: 0.010" Length: D
Thickness Depth to	ft. and
Formation Description of Bottom of	Sieve Analysis: Y/N
Stratum Stratum	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:
- CS	14. WATER QUALITY
a1000 —	Chemical Analysis: Bacterial Analysis:
MUL	15. ARTIFICIAL FILTER (filter pack) Installed from: 4 ft. to 1.5 ft.
DOKU,	
TE BU	Effective Size: Uniformity Coefficient: 16. WELL GROUTED?
SEE BORING LOGS	Neat Cement Bentonite Bentonite/Cemen Other
	Depth: From 0.0 ft. to 2 ft.
	17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction
	Туре:
	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.
	1 / H Q no FT
	Charle N 3 CK
5. REMARKS: Bentonite Seal 2 – 4	Signed: 11/24/14
	Date: 11/24/14
6. TYPE: Mud Rotary Jetted Bored	
Dug Air Rotary Driven	If D Level Driller, provide supervising driller's name.
Cable tool Auger Other	



. WELL OWNER INFORMATION:	7. PERMIT NUMBER: PRANT # IBMA 25542: LIST Bormit #03539
Name: Coastal 76	7. PERMIT NUMBER: MWA #UMW-25643; UST Permit #03538
	8. USE:
(last) (first)	Residential Public Supply Process
Address: 2513 E. Palmetto Street	Irrigation Air Conditioning Emergency
	Test Well Monitor Well Replacement
City: Florence State: SC Zip:	9. WELL DEPTH (completed)
5.1j. 1.1010112	Date Started: \\/\2\/\ ¹
Phone: N/A	12.95 ft. Date Completed: 11/21/14
Filolie. INA	10, CASING: Threaded Welded
2. LOCATION OF WELL: COUNTY: Florence	Diameter: 2"
Name: Coastal 76	Type: PVC in to 1.75 ft. depth
Address: 2513 E. Palmetto Street	in. to 1.75 ft. depth
City: Florence, SC	in, to ft. depth
	143.25 Height: Below
862691,531 2386784,365	Surface: ft. Weight: lb./ft.
PUBLIC SYSTEM NAME: 0353Q-	Drive Shoe:
3. PUBLIC SYSTEM NAME: 03538-	11. SCREEN:
4. ABANDONMENT:	Type: PVC Diameter: 2"
T. ADARD VIRIERI.	Slot/Gauge: 0.010" Length: O
Grouted Depth: from to ft.	Set Between: 2.75 ft. and 12.75 ft.
Grouted Depth: from to ft. Thickness Depth to	ft. and ft.
	Sieve Analysis: Y/N
Formation Description of Bottom of Stratum	12. STATIC WATER LEVEL 9 ft. below land surface after 24 hours.
Stratum Stratum	13. PUMPING LEVEL Below Land Surface.
	ft. after hrs Pumping GPM
	Pumping Test:
	Yield:
	14. WATER QUALITY
oGS	Chemical Analysis: Bacterial Analysis:
2100" —	15. ARTIFICIAL FILTER (filter pack) Sand
MUL	Installed from: 2 ft. to 13 ft.
- ORI'	Effective Size: Uniformity Coefficient:
CE BU	16. WELL GROUTED?
SEE BORING LOGS	Neat Cement Bentonite Bentonite/Cemen Other
	Depth: From 0.0 ft. to ft.
	17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction
	Type:
	Well Disinfected: Type: Amount:
	18. PUMP: Date installed:
	IVIII. IVAIIIE.
	The state of the s
	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.
	0140-5
	Charle 10 Dall
5. REMARKS:	Signed:
Bentonite Seal _ 2	11/01/14
1	Date:
6. TYPE: Mud Rotary Jetted Bored	
Dug Air Rotary Driven	If D Level Driller, provide supervising driller's name.
Cable tool Auger Other	
	ADDRESS AROVE



Name: Constal 76	7. PERMIT NUMBER: MWA #UMW-25643; UST Permit #03538
Name: Coastal 76	8. USE:
(last) (first)	Residential Public Supply Process
Address: 2513 E. Palmetto Street	Irrigation Air Conditioning Emergency
	Test Well Monitor Well Replacement
City: Florence State: SC Zip:	9. WELL DEPTH (completed) Date Started: 11/23/14
Phone: N/A	15.29 ft. Date Completed: / 2 + / / 10. CASING: Threaded Welded
2. LOCATION OF WELL: COUNTY: Florence	Diameter: 2"
Name: Coastal 76	TOC Type: PVC
Address: 2513 E. Palmetto Street	2 in. to 5.09, ft. depth
City: Florence, SC	in. to ft. depth
862571.793 2386724.121	Type: PVC in. to in. to ft. depth Surface: ft. Weight: Ib./ft.
3. PUBLIC SYSTEM NAME: 03538- MW12	Drive Shoe:
MW17	11. SCREEN:
4. ABANDONMENT:	Type: PVC Diameter: 2"
	Slot/Gauge: 0.010" Length:
Grouted Depth: from to ft.	Set Between: 5,09 ft. and 15,09 ft.
Thickness Depth to Formation Description of Bottom of	ft. and ft.
Stratum Stratum	12. STATIC WATER LEVEL St. below land surface after 24 hours.
Sintisting States	13. PUMPING LEVEL Below Land Surface.
	ft. after hrs Pumping GPM
	Pumping Test:
	Yield:
CS	14. WATER QUALITY
a1000 —	Chemical Analysis: Bacterial Analysis:
Mar	15. ARTIFICIAL FILTER (filter pack) Sand Installed from: 4 ft. to 5 ft.
DOKU.	Installed from: ft. to ft. to ft. to ft. to ft. to ft.
OCE DE	16. WELL GROUTED?
SEE BORING LOGS	Neat Cement Bentonite Bentonite/Cemen Other
	Depth: From 0.0 ft. to 2 ft.
	17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction
	Туре:
	Well Disinfected: Type: Amount:
	18. PUMP: Date installed:
	Mfr. Name: Model no.:
	H.P.: Volts: Length of pipe: ft.
	Capacity: gpm*
	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.
	- III A
	1 DIH Lower
	The state of the s
is, remarks:	Signed:
5. REMARKS: Bentonite Seal 2-4	Signed:
Bentonite Seal 2-4	Signed:
Bentonite Seal 2-4 6. TYPE: Mud Rotary Jetted Bored	
Bentonite Seal 2-4	Signed: Date: 11/2-3/14 If D Level Driller, provide supervising driller's name.



1. WELL OWNER INFORMATION: Name: Coastal 76	7. PERMIT NUMBER: MWA #UMW-25643; UST Permit #03538
	8. USE:
(last) (first)	Residential Public Supply Process
Address: 2513 E. Palmetto Street	Irrigation Air Conditioning Emergency
	Test Well Monitor Well Replacement
City: Florence State: SC Zip:	9. WELL DEPTH (completed) Date Started: 11/09/14
Phone: N/A	77,73 ft. Date Completed: 11/10/14
2. LOCATION OF WELL: COUNTY: Florence	10. CASING: Threaded Welded Diameter: 2"
Name: Coastal 76	Type: PVC
Address: 2513 E. Palmetto Street	26.00
City: Florence, SC	in. to 172 ft. depth
	in. to in
862571,793 2386724,121	Surface: ft. Weight: lb./ft.
3. PUBLIC SYSTEM NAME: 03538- MWLAD	Drive Shoe:
MW12D	11. SCREEN:
4. ABANDONMENT:	Type: PVC Diameter: 2"
	Slot/Gauge: 0.010" Length: 5
Grouted Depth: from to ft.	Set Between: 39.23 ft. and 44.23 ft.
Thickness Depth to	ft. and ft.
Formation Description of Bottom of	Sieve Analysis: Y/N
Stratum Stratum	12. STATIC WATER LEVEL 13 ft. below land surface after 24 hours.
	13. PUMPING LEVEL Below Land Surface.
	ft. after hrs Pumping GPM
	Pumping Test:
	Yield:
-10	14. WATER QUALITY
- 000	Chemical Analysis: Bacterial Analysis:
3610	15. ARTIFICIAL FILTER (filter pack) Sand
PINO	Installed from: 38 ft. to 45 ft.
BOR	Effective Size: Uniformity Coefficient:
CEED	16. WELL GROUTED?
SEE BORING LOGS	Neat Cement Bentonite Bentonite/Cemen Other
	300
	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: Lawrence Large CERT NO.: 2006
	Address: Smith Drilling Services Level: A B C
	2443 High Meadows Court (circle one)
- / to	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.
5. REMARKS:	Signed: Annual Of Manya.
Bentonite Seal 36-38	
	Date: 1/10/14
6. TYPE: Mud Rotary Jetted Bored	
Dug Air Rotary Driven	If D Level Driller, provide supervising driller's name.
Cable tool Auger Other	Joe Smith 1648B



1. WELL OWNER INFORMATION:	7. PERMIT NUMBER: MWA #UMW-25643; UST Permit #03538
Name: Coastal 76	
d0 (5.0)	8. USE:
(last) (first) Address: 2513 E. Palmetto Street	Residential Public Supply Process
Address: 2513 E. Palmetto Street	Irrigation Air Conditioning Emergency Test Well Monitor Well Replacement
City: Florence State: SC Zip:	9. WELL DEPTH (completed)
	15.77 Bate Started: 11/21/14
Phone: N/A	t it. Date completed. [1741]]
2. LOCATION OF WELL: COUNTY: Florence	10. CASING: Threaded Welded Diameter: 2"
Name: Coastal 76	To C Type: PVC
Address: 2513 E. Palmetto Street	2 in. to 5,57 ft. depth
City: Florence, SC	in to ft denth
862615.867 2386770.481	143,63 Height: Below
3. PUBLIC SYSTEM NAME: 03538-	Surface: ft. Weight: lb./ft. Drive Shoe:
MW23	11. SCREEN:
4. ABANDONMENT:	Type: PVC Diameter: 2"
	Slot/Gauge: 0.010" Length: 16
Grouted Depth: from to ft. Thickness Depth to	Set Between: <u>5,57</u> ft. and <u>15,57</u> ft. ft. and ft.
Formation Description of Bottom of	Sieve Analysis: Y/N
Stratum Stratum	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:
10	14. WATER QUALITY
1000	Chemical Analysis: Bacterial Analysis:
MGL	15. ARTIFICIAL FILTER (filter pack) Installed from: 5 ft to 6 ft
PORU'	Installed from: 5 ft. to 6 ft. Effective Size: Uniformity Coefficient:
CEED	16. WELL GROUTED?
SEE BORING LOGS	Neat Cement Bentonite Bentonite/Cemen Other
	Depth: From 0.0 ft. to 5 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.
	- III A
	Chapt B Soul
5. REMARKS:	Signed: 94 4 8 8 8 11/21/14
Bentonite Seal 3 - 5	Date: 11/21/14
6. TYPE: Mud Rotary Jetted Bored	11/01/1
Dug Air Rotary Driven	If D Level Driller, provide supervising driller's name.
Cable tool Auger Other	
	I SALTUAND SALUBDAN SALUBDAN CONTROL MADDESCO ASSURE



4 WELL OWNER INFORMATION		IZ DEDMIT NUMBER.		
1. WELL OWNER INFORMATION: Name: Coastal 76		7. PERMIT NUMBER:	MWA #UMW-25643;	UST Permit #03538
		8. USE:		
(last) (first)		Residential	Public Supply	Process
Address: 2513 E. Palmetto Street		Irrigation	Air Conditioning	Emergency
		Test Well	Monitor Well	Replacement
City: Florence State:	SC Zip:	9. WELL DEPTH (complete		11/01/11
		1210	Date Started:	11/21/14
Phone: N/A		13.19	The same of the sa	d: 11121/14
		10. CASING:	Threaded	Welded
NAME OF THE PROPERTY OF THE PR	COUNTY: Florence	Diameter		ALL DESCRIPTION OF THE PROPERTY OF THE PROPERT
Name: Coastal 76		70° Type		0901
Address: 2513 E. Palmetto Street		elar	in. to	2,99 ft. depth
City: Florence, SC		143.78 Height	in. to	ft. depth
862635.982 238	6832.681	Surface		Weight: lb./ft.
3 PUBLIC SYSTEM NAME: 03539.		Drive Shoe		**eignt. ID./It.
MV	V24	11. SCREEN:		
4. ABANDONMENT:		Туре	: PVC Diamete	er. 2"
		Slot/Gauge	THE PARTY OF THE P	
Grouted Depth: from to	ft.	Set Between	A 4.0	12,99 ft.
	Thickness Depth to		ft. and	ft.
Formation Description	of Bottom of	Sieve Analysis	THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO I	
	Stratum Stratum	12. STATIC WATER LEVEL		surface after 24 hours.
		13. PUMPING LEVEL Belo		
			ft. after	hrs Pumping GPM
		Pumping Test		
		14. WATER QUALITY	I:	
SEE BORING	oGS		. Dani	terial Analysis:
- 0.	100 -	Chemical Analysis 15. ARTIFICIAL FILTER (fi		iciiai Milalysis.
ONG		Installed from	^	-1.3 ft.
BOKE		Effective Size		
OFE		16. WELL GROUTED?		
シレー ー		Neat Cement	Bentonite Bentonite/Cem	ed , Other
		Depth: Fron	The same of the sa	ft.
		17. NEAREST SOURCE O	F POSSIBLE CONTAMINATION	ON: ft. direction
		Туре		
		Well Disinfected		Amount:
		18. PUMP:	Date installed:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		Mfr. Name:		Model no.:
		H.P.:	Volts: Length of pipe:	ft.
		Capacity	r: gpm	
		TYPE:	1-775.0	T. 11
		Submersible		Turbine
		Jet (deep) Reciprocating Joe smith	Centrifugal CERT NO.: 1648B
		19. WELL DRILLER: Address:	Smith Drilling Services	Level: A B C D
		Addices.	2443 High Meadows Court	(circle one)
			Conyers, Georgia 30094	(5510 0110)
		Telephone: 678-		x:
			R'S CERTIFICATION: This w	
		my direction and this re	eport is true to the best of my ki	nowledge and belief.
				0
			0140	CX
			Jul 48	mal)
5. REMARKS:		Signed:	//	
Bentonite Seal		Date:	11/21/11	
6. TYPE: Mud Rotary Jetted	Bored	Date.	11/4/17	
Dug Air Rota		If D Level Driller, provide supe	ervising driller's name	
Cable tool Auger	Other	and a summer provide dept	9	
		1		



1. WELL OWNER INFORMATION: Name: Coastal 76	7. PERMIT NUMBER: MWA #UMW-25643; UST Permit #03538
	8. USE:
(last) (first)	Residential Public Supply Process
Address: 2513 E. Palmetto Street	
Address. 2010 L.1 diffictio off oct	Irrigation Air Conditioning Emergency
City: Florence State: SC Zip:	Test Well Monitor Well Replacement 9. WELL DEPTH (completed)
	11/0/11/1
Phone: N/A	13,36 Date Started: 1/20/17 Date Completed: 1/21/14
	10. CASING: Threaded Welded
2. LOCATION OF WELL: COUNTY: Flore	1101000
Name: Coastal 76	Type: PVC
Address: 2513 E. Palmetto Street	7 316
City: Florence, SC	
	in. toft. depth
862554.716 2386832.69	Surface: ft. Weight: lb./ft.
IO DUDUIA CUCTERA MARAE, DOSOO	Drive Shoe:
5. FOBLIC STSTEIN NAME: 03338- MW25	11. SCREEN:
4. ABANDONMENT:	Type: PVC Diameter: 2"
	Slot/Gauge: 0.010" Length:
Grouted Depth: from to ft.	Set Between: 3, 6, and 131/ft.
Thickness Depth	nto ft. and ft.
Formation Description of Bottor	n of Sieve Analysis: Y/N
Stratum Strat	um 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:
SEE BORING LOGS	14. WATER QUALITY
100P	Chemical Analysis: Bacterial Analysis:
762	15. ARTIFICIAL FILTER (filter pack) Sand
ORING	Installed from: 2 ft. to 3 ft.
BOIL	Effective Size: Uniformity Coefficient:
CFE	16. WELL GROUTED?
Dr.	Neat Cement Bentonite Bentonite/Cemen Other
	Depth: From 0.0 ft. to ft.
	17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction
	Туре:
	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.
	and belief.
	= 11.0 A
	Copyed to Smith
5. REMARKS:	Signed:
Bentonite Seal ~ 2	
- 1	Date: 11/21/1-1
6. TYPE: Mud Rotary Jetted Bored	
Dug Air Rotary Driven	If D Level Driller, provide supervising driller's name.
Cable tool Auger Other	
DHEC 1903 (07/2003) CODY 1 MAIL TO SIGNEDADTMEN	IT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)



1. WELL OWNER INFORMATION: Name: Coastal 76	7. PERMIT NUMBER: MWA #UMW-25643; UST Permit #03538
	8. USE:
(last) (first)	Residential Public Supply Process
Address: 2513 E. Palmetto Street	Irrigation Air Conditioning Emergency
radiood. Maria Milliana William	Test Well (Monitor Well) Replacement
City: Florence State: SC Zip:	9. WELL DEPTH (completed)
	Date Started: 1 / 2 0 / 14
Phone: N/A	15.06 ft. Date Completed: 21 4
	10. CASING: Threaded Welded
2. LOCATION OF WELL: COUNTY: Florence	Diameter: 2"
Name: Coastal 76	Type: PVC in, to 4,86 ft. depth
Address: 2513 E. Palmetto Street	in. to 1/80 ft. depth
City: Florence, SC	Type: PVC in. to 4,86 ft. depth in. to height: Below Surface: ft Weight: Ib./ft.
862461.702 2386834.720	Surface: ft. Weight: lb./ft.
3. PUBLIC SYSTEM NAME: 03538- MW26	Drive Shoe:
MW26	11. SCREEN:
4. ABANDONMENT:	Type: PVC Diameter: 2"
	Slot/Gauge: 0.010" Length:
Grouted Depth: from to ft.	Set Between: 4,86 ft. and 4,86 ft.
Thickness Depth to	ft. and ft.
Formation Description of Bottom of	Sieve Analysis: Y/N 12. STATIC WATER LEVEL // ft. below land surface after 24 hours.
Stratum Stratum	13. PUMPING LEVEL Below Land Surface.
	ft. after hrs Pumping GPM
	Pumping Test:
	Yield:
SEE BORING LOGS	14. WATER QUALITY
- 0G5	Chemical Analysis: Bacterial Analysis:
767	15. ARTIFICIAL FILTER (filter pack) Sand
ORING	Installed from: 4 ft. to 15 ft.
TE BUIL	Effective Size: Uniformity Coefficient:
SEE -	16. WELL GROUTED?
V-	Neat Cement Bentonite Bentonite/Cemen Other Depth: From 0.0 ft. to ft.
	Depth: From 0.0 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:
	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.
	1 0140 d
	Chapt 12 South
5. REMARKS:	Signed:
Bentonite Seal 2 - 4	Signed: 924 4 Smb
6. TYPE: Mud Rotary Jetted Bored	Date.
Dug Air Rotary Driven	If D Level Driller, provide supervising driller's name.
Cable tool Auger Other	



1. WELL OWNER INFORMATION: Name: Coastal 76	7. PERMIT NUMBER: MWA #UMW-25643; UST Permit #03538
The second of th	8. USE:
(last) (first)	Residential Public Supply Process
Address: 2513 E. Palmetto Street	Irrigation Air Conditioning Emergency
	Test Well Monitor Well Replacement
City: Florence State: SC Zip:	9. WELL DEPTH (completed)
	Date Started: 11/23/11/
Phone: N/A	15.25 ft. Date Completed: 1/24/14
	10. CASING: Threaded Welded
2. LOCATION OF WELL: COUNTY: Floren	
Name: Coastal 76	Type: PVC
Address: 2513 E. Palmetto Street	Type: PVC in. to 5.05 ft. depth in. to ft. depth
City: Florence, SC	in. to ft. depth
0/00,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Height: Below
862361.177 2386590.226	Surface: ft. Weight: lb./ft.
IN DUDI IN CUCTERS MARKE, DOSOO	Drive Shoe:
5. FOBLIC STSTEIN NAIVIE: 03938- MW17	11. SCREEN:
4. ABANDONMENT:	Type: PVC Diameter: 2"
	Slot/Gauge: 0.010" Length: 10
Grouted Depth: from to ft.	Set Between: 5,05 ft. and 5,05 ft.
Thickness Depth t	
Formation Description of Bottom	
Stratum Stratur	
	13. PUMPING LEVEL Below Land Surface.
	ft. after hrs Pumping GPM
	Pumping Test: Yield:
	14. WATER QUALITY
oGS	Chemical Analysis: Bacterial Analysis:
10100 -	15. ARTIFICIAL FILTER (filter pack) Sand
OMO	Installed from: 4 ft. to 15 ft.
BORD	Effective Size: Uniformity Coefficient:
CEFT	16. WELL GROUTED?
SEE BORING LOGS	Neat Cement Bentonite Bentonite/Cemen Other
	Depth: From 0.0 ft. to 2 ft.
	17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction
	Туре:
	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.
	my should and the report to true to the best of my knowledge and belief.
	allo A
	Chapt M Smith
5. REMARKS:	Signed:
Bentonite Seal 2 - 4	ll contribut
	Date: 11/24/14
6. TYPE: Mud Rotary Jetted Bored	
Dug Air Rotary Driven	If D Level Driller, provide supervising driller's name.
Cable tool Auger Other	



1. WELL OWNER INFORMATION:	7. PERMIT NUMBER:
Name: Coastal 76	MWA #UMW-25643; UST Permit #03538
	8. USE:
(last) (first)	Residential Public Supply Process
Address: 2513 E. Palmetto Street	Irrigation Air Conditioning Emergency
City: Florence State: SC 7in:	Test Well Monitor Well Replacement
City: Florence State: SC Zip:	9. WELL DEPTH (completed) Date Started: 11/24/14
Phone: N/A	15 1 / ft. Date Completed: \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
2. LOCATION OF WELL: COUNTY: Flor	ence Diameter: 2" Welded
Name: Coastal 76	TVC Type: PVC
Address: 2513 E. Palmetto Street	elev a in. to 2,97, ft. depth
City: Florence, SC	
01 120 710 0201-10 21/	142.71 Height: Below in. toft. depth
00215/110 2386710,020	Surface: ft. Weight: lb./ft.
3. PUBLIC SYSTEM NAME: 03538- MW18	Drive Shoe:
4. ABANDONMENT:	11. SCREEN:
······································	Type: PVC Diameter: 2" Slot/Gauge: 0.010" Length: 10.4
Grouted Depth: from to ft.	Slot/Gauge: 0.010" Length: 0 Set Between: 1,97 ft. and 1,997 ft.
	th to $\frac{1}{2}$, 1
	om of Sieve Analysis: Y/N
Stratum Stra	tum 12. STATIC WATER LEVEL 7 ft. below land surface after 24 hours.
	13. PUMPING LEVEL Below Land Surface.
	ft. after hrs Pumping GPM
	Pumping Test:
	Yield:
25	14. WATER QUALITY
- 100° -	Chemical Analysis: Bacterial Analysis:
NGL	15. ARTIFICIAL FILTER (filter pack) Sand
DOKU,	Installed from: 2 ft. to 14 ft.
age bo	Effective Size: Uniformity Coefficient: 16. WELL GROUTED?
SEE BORING LOGS -	Neat Cement Bentonite Bentonite/Cemen Other
	Depth: From 0.0 ft. to ft.
	17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction
	Туре:
	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:
	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.
	and the report to the best of my knowledge and belief.
	2160 0
	Charle 12 Smith
5. REMARKS:	Signed: J124114
Bentonite Seal -2	Date: \ \
6. TYPE: Mud Rotary Jetted Bored	Date: 11/24/14/
Dug Air Rotary Driven	If D Level Driller, provide supervising driller's name.
Cable tool Auger Other	in D Cavel Dillier, provide supervising dilliers flattie.
Sillor	
DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTME	NT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

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

APPENDIX F

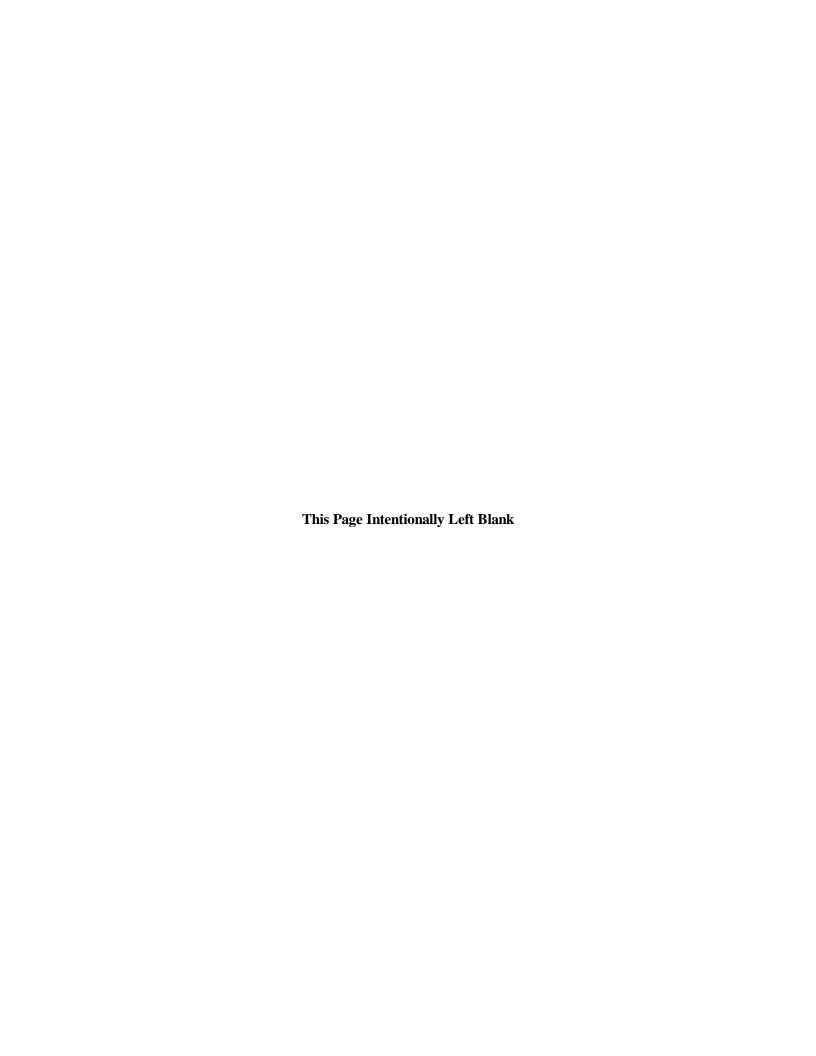
AQUIFER CHARACTERIZATION DATA



SOUTH CAROLINA

Department of Health and Evnironmental 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	MW21	MW22	MW22D	
Initial Rise/Drawdown in well (feet)	5.44	5.63	11.94	
Radius of Well Casing (feet)	0.083	0.083	0.083	
Effective Radius of Well (feet)	0.270	0.270	0.270	
Static Saturated Aquifer Thickness (feet)	100	100	100	
Length of Well Screen (feet)	2.05	2.81	5.00	
Static Height of Water Column in Well (ft)	2.05	2.81	29.46	
Calculations				
See Appendix Table 5 Figure for calculations was Book Calculated values by well were as follows:		Complete as	appropriate)).
Slug Test Conducted in well(s) number	MW21	MW22	MW22D	T
Hydraulic Conductivity	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				
DHEC 3531 (07/1999)				



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

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
ATTE ATT TO 1 MADE D 1 T 1 2 T AT A	D 1 0

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

Version: 0.96c

Well ID: MW-21

Revised: 2004-03-31

-1.000	-1.000	-1.000
sity & R _W	-1.000	-1.000
	0.998	-1.000
warning 2	12.639	-1.000
	-1.000 sity & R _W warning 2	-1.000 0.998

Drawdown: Max. Y_t Regr. Yo Casing Y_o 5.44 5.46 1.42

CHECK WATER BALANCE - Regressed v. Casing Yo

(undrained) (confined)

Drained Options A D Undrained User n/R_W Est. n Est. R_W

Bouwer & Rice - consistent units 1.3E-06 4.06E-05 cm/sec Hvorslev - consistent units 1.4E-06 cm/sec 4.14E-05

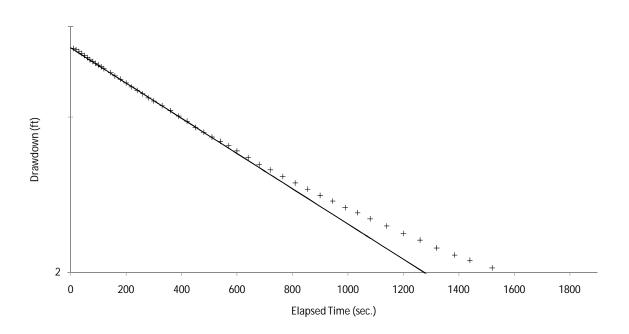
Potentially acceptable solutions:

Conversion factor for user units: 30.48 cm/sec

1.697 COMMENTS: Intercept

-0.001 Slope No. of Observations 0

Starting Row 71 **Ending Row** 85



21 Page 1 of 6

Time	level	Drawdown			Est. Regression
Seconds	Feet	Y(t)	ln(Y)		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	5.170	5.130	1.635		5.123
90.000	5.130	5.090	1.627		5.083
100.000	5.050	5.050	1.619		5.043
110.000	5.030	5.010	1.611		5.003
	4.970			1.603	3.003 4.964 <==
120.000		4.970	1.603		
145.000	4.880	4.880	1.585	1.585	4.867 <==
160.000	4.810	4.810	1.571	1.571	4.810 <==
180.000	4.740	4.740	1.556	1.556	4.735 <==
200.000	4.660	4.660	1.539	1.539	4.661 <==
220.000	4.580	4.580	1.522	1.522	4.588 <==
240.000	4.510	4.510	1.506	1.506	4.516 <==
260.000	4.440	4.440	1.491	1.491	4.446 <==
280.000	4.360	4.360	1.472	1.472	4.376 <==
300.000	4.300	4.300	1.459	1.459	4.308 <==
330.000	4.210	4.210	1.437	1.437	4.207 <==
360.000	4.120	4.120	1.416	1.416	4.109 <==
390.000	4.020	4.020	1.391	1.391	4.013 <==
420.000	3.930	3.930	1.369	1.369	3.919 <==
450.000	3.820	3.820	1.340	1.340	3.828 <==
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

21 Page 2 of 6

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

User	In	nut	Data
User	Ш	υuι	Data

Osci 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

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

Calculati	ion Set Nu	ımber			
Calc. by		Chkd. by		Apvd. by	
Date		Date		Date	
	1.000		1.000		1 000

R _{equiv}	-1.000	-1.000	-1.000
Estimated Poros	ity & 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:	Max. Y,	Regr. Yo	Casing Yo
	5.63	5.46	1.42

CHECK WATER BALANCE - Regressed v. Casing Yo

(undrained) (confined) $\begin{array}{c|cccc} & & & & & & & & \\ & & & & & & & & \\ A & & & B & & C & & D \\ \\ \text{Undrained} & & \text{User n/R}_W & & \text{Est. n} & & \text{Est. R}_W \\ \end{array}$

Bouwer & Rice - consistent units 4.6E-06 cm/sec 1.40E-04 Hvorslev - consistent units 4.6E-06 cm/sec 1.39E-04

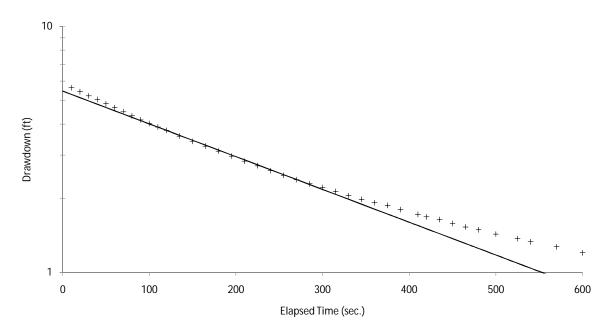
Potentially acceptable solutions:

Conversion factor for user units: cm/sec 30.48

Intercept 1.698 COMMENTS:

Slope -0.003 No. of Observations 0

Starting Row 66 Ending Row 84



Page 3 of 6

Time	level	Drawdown			Est. Regression
Seconds	Feet	Y(t)	ln(Y)		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 0.236		0.414 0.345
900.000	0.790	0.790	-0.236 0.357		
990.000 1080.000	0.700 0.650	0.700 0.650	-0.357 -0.431		0.261 0.198
1170.000	0.600	0.600	-0.431 -0.511		0.198
1260.000	0.570	0.600	-0.511 -0.562		0.130
1200.000	0.570	0.570	-0.502		0.114

22 Page 4 of 6

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

	_		_	
User	lm	nut	I)	ata

eser input suu	
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
CHECK WATER BALANCE	D 1 C

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

-1.000

	Calculation Set Number				
	Calc. by	c. by Chkd. by			
	Date	Date	Date		
R_{equiv}	-1.000	-1.000	-1.000		
Estimated Poro	sity & R _W	-1.000	-1.000		
$ln(R_E/R_W)$		2.243	-1.000		

10.478

Drawdown:	Max. Y_t	Regr. Yo	Casing Yo	
	11.94	11.67	1.42	

CHECK WATER BALANCE - Regressed v. Casing Yo

(undrained)	
(unconfined)	

	Drained Options			
A	В	C	D	
Undrained	User n/Rw	Est. n	Est. Rw	

Bouwer & Rice - consistent units 1.2E-05 3.57E-04 cm/sec 1.6E-05 Hvorslev - consistent units cm/sec 4.77E-04

Potentially acceptable solutions:

Conversion factor for user units:

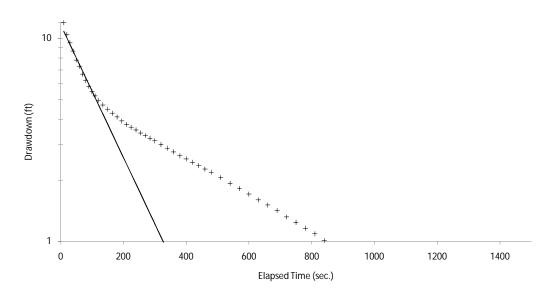
30.48

2.457 Intercept Slope -0.008 No. of Observations 11

Starting Row 61 Ending Row 77 COMMENTS:

cm/sec

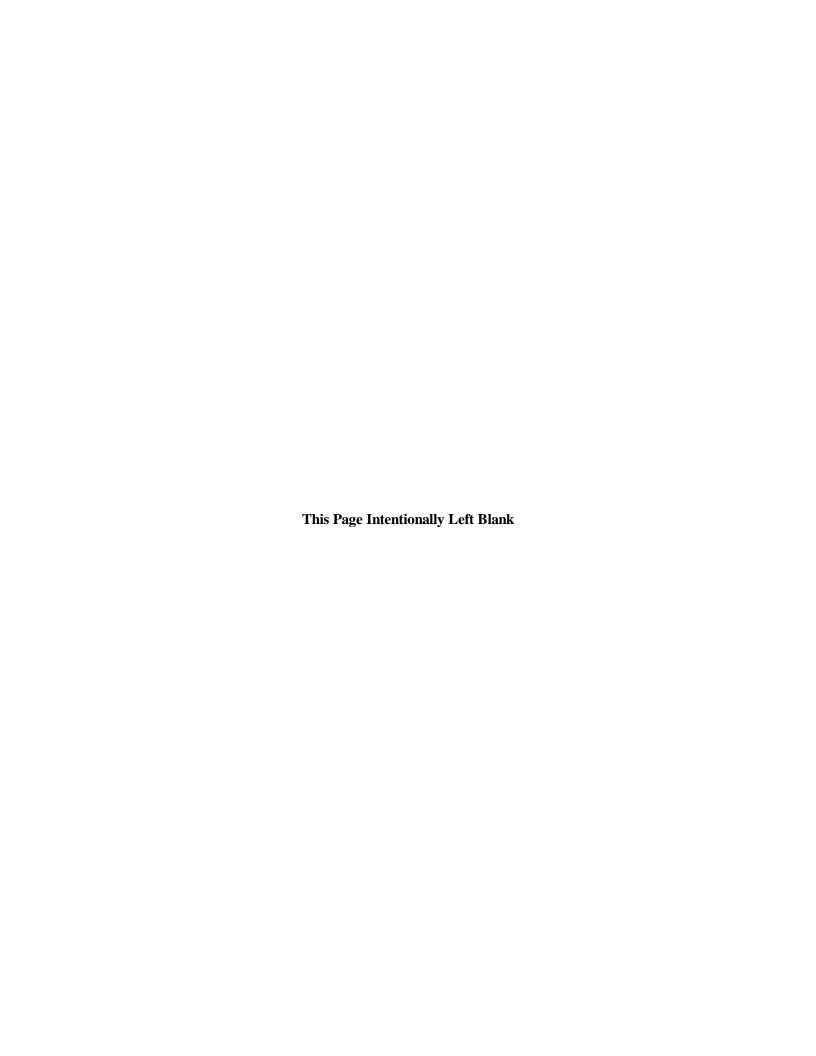
Shape Factor (F



22D Page 5 of 6

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			
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 0.351		0.082		
690.000	1.420	1.420			0.065 0.052		
720.000 750.000	1.320 1.240	1.320 1.240	0.278 0.215		0.032		
780.000	1.160	1.160	0.213		0.033		
810.000	1.090	1.090	0.086		0.033		
840.000	1.010	1.010	0.010		0.020		
880.000	0.930	0.930	-0.073		0.021		
920.000	0.860	0.860	-0.151		0.010		
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		0.003		
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		

Page 6 of 6





GRAIN SIZE DISTRIBUTION

Project No:

Client: Shealy Environmental

Project: 65R-3212

City/State: West Columbia, SC

at at at

at at at Depth

11.5

D100

1.18

D60

0.105

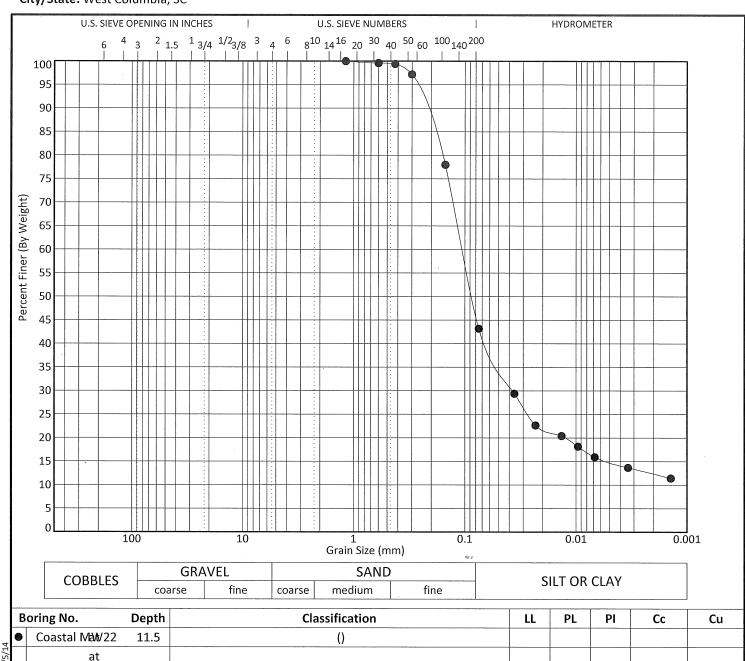
D30

0.037

Boring No.

Coastal Maw 22

COASTAL



%Gravel

0.0

D10

%Sand

56.8

%Silt

28.3

%Clay

14.9



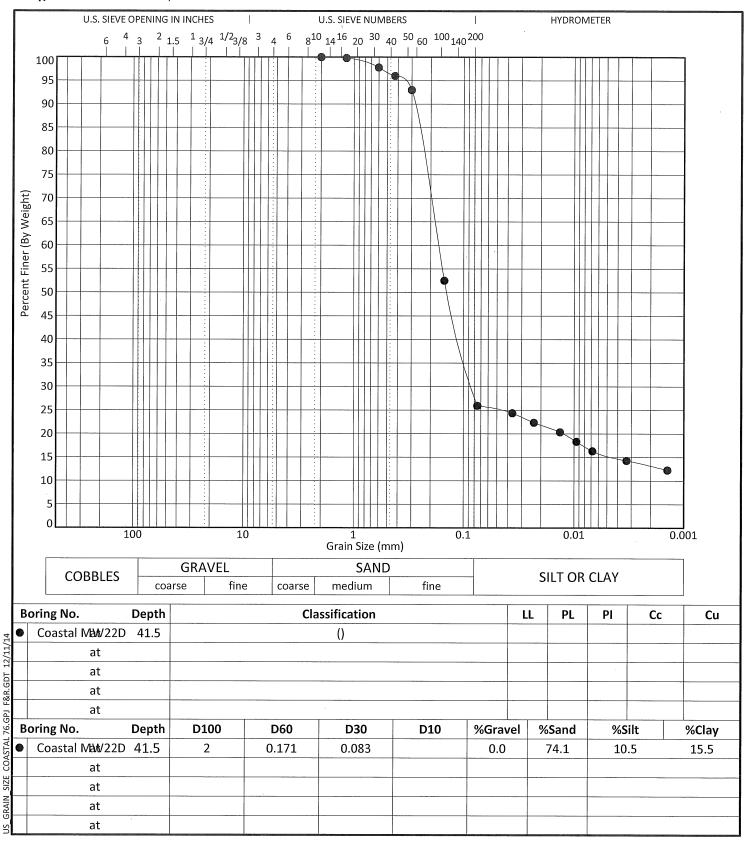
GRAIN SIZE DISTRIBUTION

Project No:

Client: Shealy Environmental

Project: 65R-3212

City/State: West Columbia, SC



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

Volume

Customer Name PETRATECHENVIRO PETRA-TECH EN Carrier SMITH DRILLING

Ticket Date 12/01/2014

Payment Type Credit Account

Manual Ticket# Hauling Ticket#

Route State Waste Code

Manifest

Destination

PO

Profile 605496SC (DRILL CUTTINGS)

Generator

126-PETRATECHENVIRO PETRA-TECH ENVIRONMENTAL, LLC

Time In

12/01/2014 10:39:36

Out 12/01/2014 10:56:30

Inbound #2 Outbound

Scale

ScaleMaster

Vehicle# T 2

Gen EPA ID NR

0001043

Container

Driver

Check# Billing #

yhoke yhoke

Gross Tare

22980 16 12780 lb

Net Tons 10200 lb 5.10

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Sp. 2 RCR-P-Regulate 3 FUEL-Fuel Sure 4 EVF-P-Standare	ory C 100 charg 100	5.10	Tons % %		(sell S)`	38-ORANGEB 38-ORANGEB 38-ORANGEB 38-ORANGEB

UST \$ 03538 (shillow

Total Fees Total Ticket

403WM

SPECIAL WASTE MANIFEST

WASTE ID NUMB	ER		
605496SC		2000	Richland Landfill
COOPEDCOCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCC	000-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		1047 Highway Church Road
EXPIRATION DA	TE	9000000	Elgin, SC 29045
		9000000	
October	24, 2016	seconocada de la companion de	Special Waste Phone: 803-744-3345 Fax: 866-964-2194 803. 436.0995
P996644440000044464600000000000000000000	NORTH CONTROL OF THE PROPERTY	Prepared by:	Sandra Reaves
W. W. W. W. W. W. W. W. W. W. W. W. W. W			
GENERATOR OF WA	STE:	SCDHEC/PETRA-TI	ECH ENVIRONMENTAL, LLC
			ACCOUNT NUMBER:
CUSTOMER:	PETRA-TECH ENVI	RONMENTAL, LAA.	820-0001043-8082-7
LOCATION OF WAS	₹ K.¢		
CITY:	Orangeburg / Moncks	COUNTY:	Orangeburg County / Berkeley County
	271 127 7283		CONTACT:
PHONE NUMBER:	864-436-6322		TREVER SLACK
FAX NUMBER:	888-838-9034		AMS CEM SILVEN
8.45% 14511330 max	000-000-7004	·	
GENERATOR'S SIGN	ATURE	And the second second	DATE: 9/12/14
	Andrew Control of the		
TRANSPORTER OF		Smith Drilling LLC	
1	12-1-14		TRUCK NUMBER: T-4
DATE:	9/12/2014	4	INCCA NOMALA
DRIVER'S SIGNATU	ELE.	11/6	
DIKEYER O DIVINE			
**	** TO BE COMPLETE	D BY RICHLAND LA	NDFHA,*****
DISPOSAL SITE:	RICHLAND L	ANDFILL ELGIN, S	
			Waste Class: DRILL CUTTINGS
DESCRIPTION OF V	ASTE: DRILL CUTTI	YGS	
TICKET NUMBER:	134844	3	TONNAGE: 5:10
	1211		
RECEIVED BY:	71		
	V	20000000000000000000000000000000000000	



Richland County LF 1047 Highway Church Road

Elgin, SC, 29045 Ph: (803) 788-3054 Original Ticket# 1338763

Volume

Customer Name PETRATECHENVIRO PETRA-TECH EN Carrier SMITH DRILLING Vehicle# T 2

Ticket Date 10/10/2014 Payment Type Credit Account

Manual Ticket# Hauling Ticket# Route

State Waste Code

Manifest 0

Destination

PO

Profile

605496SC (DRILL CUTTINGS)

Generator

126-PETRATECHENVIRO PETRA-TECH ENVIRONMENTAL, LLC

Time In

10/10/2014 14:20:20

Out 10/10/2014 14:36:43

Scale Inbound #2 Outbound

ScaleMaster

Container

Billing #

Gen EPA ID NR

0001043

Driver

Check#

Dwayne Dwayne Gross Tare

18680 lb 16520 lb

Net 2160 16 Tons 1.08

Comments

Pro	duct	LD%	Qty	MOU	Rate	Fee	Amount	Origin
1	Cont Soil Sp. W7		1.08	Tons				38-ORANGEB
5	RCR-P-Regulatory C			%				38-ORANGEB
3	FUEL-Fuel Surcharg			%				38-ORANGEB
4	EVF-P-Standard Env	100		%				38-ORANGEB

UST # 03538 1.08 fors

Total Fees Total Ticket

SIGNATURE

SPECIAL WASTE MANIFEST

WASTE ID NUMBER	
605496SC	Richland Landfill
302770570	1047 Highway Church Road
AVEN PERSON T INVANCENTAL LOS TILINGS	
EXPIRATION DATE	Elgin, SC 29045
October 24, 2016	Special Waste Phone: 803-744-3345 Fax: 886-984-7194 803. 7 56.0775
PSS\$44454P4P0PSS4444644PPSP444PPSP444PPSP444PPSP444PPSP444PPSP444PPSP444PPSP444PPSP4444PPSP4444PPSP4444PPSP444	axed by: Sandra Reeves
GENERATOR OF WASTE: SCE	HEC/PETRA-TECH ENVIRONMENTAL, LLC
	ACCOUNT NUMBER:
CUSTOMER: PETRA-TECH ENVIRON	MENTAL, LLC 820-0601643-6082-7
LOCATION OF WASTE:	
CITY: Orangeburg / Moncks CO	UNITY: Orangeburg County / Berkeley County
PHONE NUMBER: 864-436-6322	CONTACTS
	TREVER SLACK
FAX NUMBER: 888-838-9034	
	The second secon
GENERATOR'S SIGNATURE	DATE: 9/12/14
	A 75 HD . F.F.C
TRANSPORTER OF WASTE: Smi	th Drilling LLC
DATE: 10-10-14 SHAME	TRUCK NUMBER: 7-Z
DATE:	4 () () () () () () () () () (
DRIVER'S SIGNATURE	M/Em
**** TO BE COMPLETED BY	RICHLAND LANDFILL******
DISPOSAL SITE: RICHLAND LAND	DOMENT CONCERNMENT OF SECTION AND ADDRESS OF SECTION ADDRESS O
	Waste Class: DRILL CUTTINGS
DESCRIPTION OF WASTE: DRILL CUTTINGS	200000000000000000000000000000000000000
1324763	TONNAGE: 1.05
TICKET NUMBER: 1338763	TONNAGE: 1,00
2 2	
RECEIVED BY: OCM	

	se print or type m designed for use on elite (12	-pitch) typewriter.)				
1	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number		3. Emergency Response Phone	4. Waste Tracking	PIL
	5. Generator's Name and Mailin	2600 Bullst Culumbin, sc		Generator's Site Address (if different Polyn - Toch E	than mailing address)	nl. Agent for DHG
П	Generator's Phone: 6. Transporter 1 Company Nan	ne		O'CONVITTE 8	U.S. EPA ID Numbe	ır
П	Pedra	-Tech Gavironment	nl, LLC			
	7. Transporter 2 Company Nam	ne)		U.S. EPA ID Numbe	r
	8. Designated Facility Name an	d Site Address VLS RECOVER	1 Service	cs, LLC	U.S. EPA ID Numbe	r
	Facility's Phone: 99			,	SCROO	00762468
	9. Waste Shipping Name			10. Containers No. Type	11. Total 12. U Quantity Wt./	201010
GENERATOR -	1 NON HA	2/Non Regulated he		Prc Tak	175 gn	1
- GENE	2.			a o o al		
	3.	us	X 4 4	~ (3 m)		
١,		0	8	~ 853		
	4.		11 08 by	~90 gal		
П	Special Handling Instruction					
П	and appears that the same of t					
	-4					
	44 051/504700/0555000	NO OFFICIAL TRANSPORT				
Ш	marked and labeled/placard	I'S CERTIFICATION: I hereby declare that the conter led, and are in all respects in proper condition for trans	sport according to applic	able international and national govern	he by the proper shipping nmental regulations.	
¥	Generator's/Offeror's Printed/Ty	Λ .	Sign	nature)	2/M	Month Day Year
INT'L	International Shipments Transporter Signature (for expo	Import to U.S.	Export from U	.S. Port of entry/exit: Date leaving U.S.:		
_	16. Transporter Acknowledgme	nt of Receipt of Materials		Date leaving 0.0		
TRANSPORTER	Transporter 1 Printed/Typed Na	(.	Sign	nature		Month Day Year
ANSF	Transporter 2 Printed/Typed Na	Conv. ronnth	Sign	nature		Month Day Year
T.						
1	17. Discrepancy 17a. Discrepancy Indication Spi	ace \square	V			
II	Trail Discrepancy maissans op.	Quantity	Туре	Residue	Partial Rejection	Full Rejection
	17b. Alternate Facility (or Gene	rator)		Manifest Reference Number:	U.S. EPA ID Numbe	ır
CILT	Transmator domy (or done	occi,			U.S. El A lo Nullide	
) FA	Facility's Phone:					
ATE	17c. Signature of Alternate Fac	ility (or Generator)	1			Month Day Year
DESIGNATED FACILITY						
10 I						
		or Operator: Certification of receipt of materials covere	ed by the manifest except	as noted in Item 17a		
	Printed/Typed Name	Steven hoa	Sign	nature	n W/Z	Month Day Year
4		110000	-(NI		140 17

GC Labels • Printed in the USA 1-800-997-6966

DESIGNATED FACILITY TO GENERATOR

Reorder Part# MANIFEST-C6NHWC 913-897-6966

APPENDIX H

ZONING REGULATIONS



APPENDIX I

LEACHABILITY AND FATE AND TRANSPORT MODELS



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

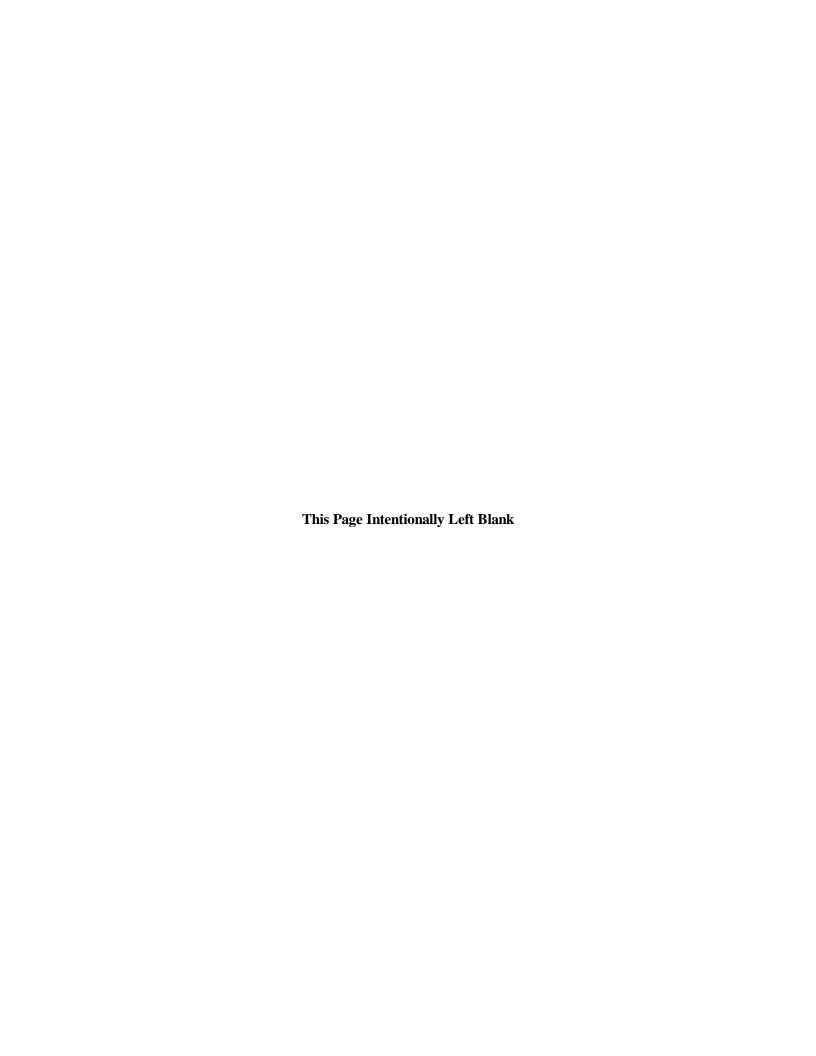
Phone: 803.898.0592

Email: milenkmp@dhec.sc.gov

Sincerely,

Petra-Tech Environmental

Trever Z. Slack, P.G. Principal Hydrogeologist



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>	Work County	Type	Route	<u>Aux</u>	Begin MP	End MP
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

Permit Number: 174034

114-070 e: 1 of 1



SITE ACCESS AGREEMENT

This SITE ACCESS AGREEMENT ("Agreement") is entered into by Morely Real Islate
"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: Ree Dee	Ar Wooder Real Estate
OWNER SIGNATURE: Mary	La Moody
DATE: 10-21-2014	PHONE: (07 843 667. 8882 Rocher)
engangan sekerahan Militarian sekerahan Militarian sekerahan Militarian sekerahan sekerahan sekerahan sekerahan Pendapan sekerahan s	EMAIL:

2435 E. North Street, Suite 1108-202, Greenville, SC 29615 | Phone (864) 631-2490 | Fax (888) 838-9034 www.petratechenv.com

114-070



SITE ACCESS AGREEMENT

This SITE ACCESS AGREEMENT ("Agreement") is entered into by // ordy /asl tilate
"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: Wary Jon Woodey leal Islale

OWNER SIGNATURE: Mary Jon Woodey

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

Trever Z. Slack, P.G.

Principal Hydrogeologist



SITE ACCESS AGREEMENT

	CCESS AGREEMENT ("Agreement") is entered into by d UST #03538.
	Owner owns the property (the "Property") described as follows: 00150-01-028 located at 111 Trailer Road, Florence, Florence County, SC
	UST #03538 owned the nearby lot located at 2513 East Palmetto Street, Florence, South Carolina ne Property (the "Proximal Property");
WHEREAS, t UST #03538 t Property; and	the South Carolina Department of Health and Environmental Control , (SCDHEC) is requiring to conduct certain assessment activities relating to groundwater contamination present on the Proximal
	for UST #03538 to conduct the testing relating to these assessment activities, UST #03538 needs the fowner to enter onto the Proximal Property in order to conduct the assessment activities specified
NOW, THER	EFORE, UST #03538 and Owner agree as follows:
(c as	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, is necessary, to conduct Geoprobe screening borings and install a groundwater monitoring well(s), for ampling of the groundwater as required by the SCDHEC.
	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.
pe W m	IST #03538 will restore the Property to similar surficial condition and stability as existed prior to the erformance 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 neasures to prevent soil erosion as a result of assessment activities and will repair the site disturbances esulting from assessment activities.
4. T	his Agreement shall become effective on the date of execution by the last executing Party.
5. O	owner hereby agrees that all parties with an interest in the Property are signing this document as owner.
OWNER NAM	ME:
OWNER SIG	NATURE:
	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.

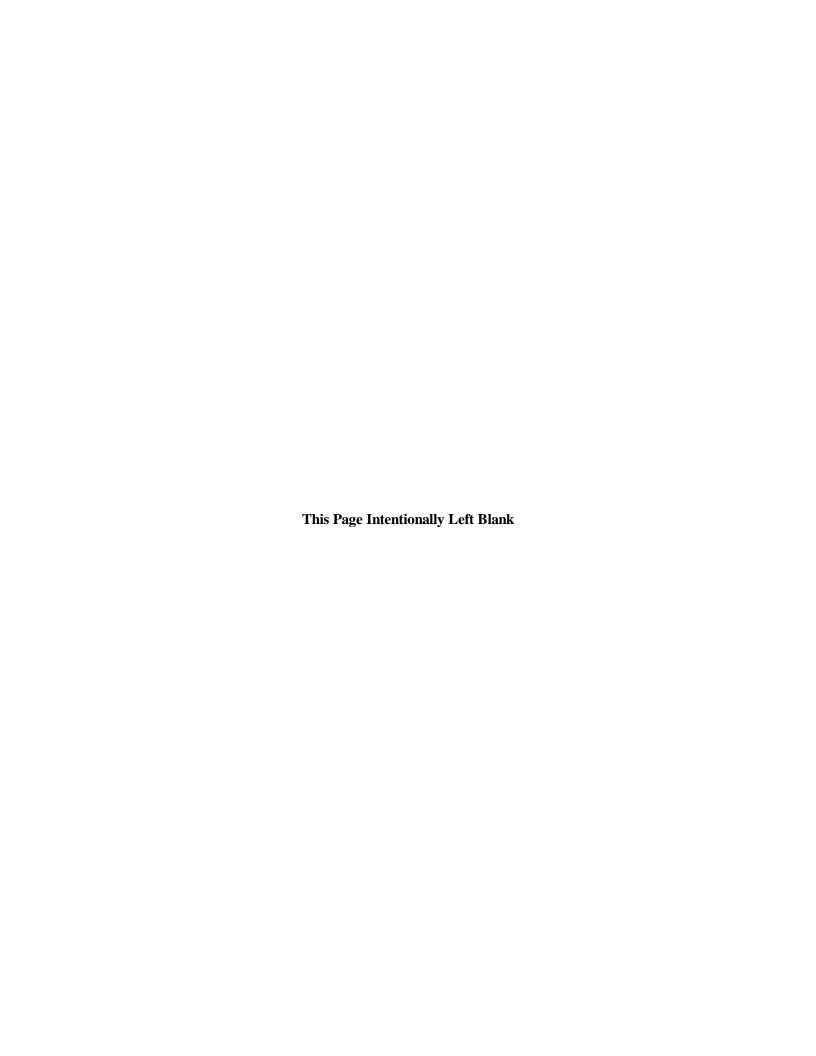
During the course of the assessment, Petra-Tech may need to access the highway right-of -way and your property to collect needed soil and groundwater samples to determine the extent of the problem and any potential risk to human health and the environment. Should access to your property be requested, 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





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.

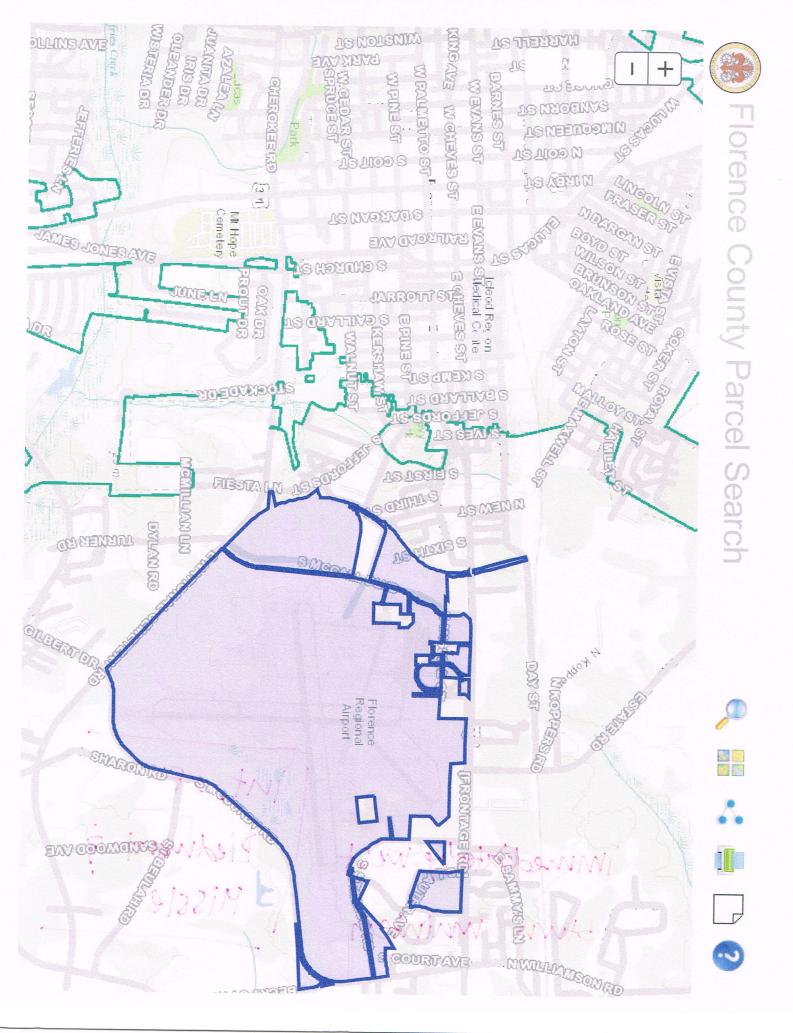
Please complete information below to the best of your knowledge and return in the enclosed stamped envelope.

1) Wha	at is the source of dring Public Water	king water for the subject pWater Supply Well	oroperty?Stream	Other -	
2) Is the	ere a water supply we No", please disregard	ll on the subject property? I the remaining questions of	YesNo		
3) Wha	t is the well typically	used for?Drinking	Irrigation	Livestock	Not in Use
4) How	many residences are	connected to the well?	Please list addresses:		
6) As part	How deep is the What is the casin of the assessment, Poce of petroleum comp	uction details (as much is k well? UNK g depth/screened interval of etra-Tech Environmental, I younds. Please indicate ho	When was the well instant of the well? LLC can sample your way you would like to receive	ater supply well fi	ree-of-charge for
	Ma Em	- /		Above A	DOVZ65
OWNER:	Clarke	U. Judus			
PHONE:_	843 519	- 0556 E	MAIL: <u>Chende</u>	vsoa e fl	YPLD.US
ank you in	advance for your help	. Please do not hesitate to	contact us at 864 678 09	904 if you have an	Ny questions

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**

N. 7/1

Trever Z. Slack, P.G. Principal Hydrogeologist





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.

What is the source of drinking water Public WaterWater	r for the subject pater Supply Well	roperty?Stream	Other -	
2) Is there a water supply well on the s <i>If "No"</i> , please disregard the rema	ubject property? sining questions as	_Yes _No nd return survey.		
3) What is the well typically used for?	Drinking	Irrigation	Livestock	Not in Use
4) How many residences are connected	l to the well?	Please list addresses:		
What is the casing depth/s 6) As part of the assessment, Petra-Tech	creened interval of	When was the well institute of the well? LC can sample your well.	vater supply well fr	ree-of-charge fo
the presence of petroleum compounds. PMail	lease indicate hov	v you would like to rec	ceive the results:	
Email				
OWNER: Mary Low M. PHONE: 843. 66	7-8882 EN	Real BlatDATE:	8/19/2	314
Thank you in advance for your help. Please	do not hesitate to	contact us at 864.678.0)904 if you have an	v questions
Petra-Tech Environmental			, , , , , , , , , , , , , , , , , , , ,	y questions.
Toyon 7 Cleal D.C.				
Trever Z. Slack, P.G. Principal Hydrogeologist				



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.

1) What is the source of drinking water for the subject property? Public WaterWater Supply WellStreamOther
2) Is there a water supply well on the subject property?YesNo If "No", please disregard the remaining questions and return survey.
3) What is the well typically used for?DrinkingIrrigationLivestockNot 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 fo the presence of petroleum compounds. Please indicate how you would like to receive the results:
OWNER: Mary Low Moody Mady led Colaborate: 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
Jam to May
Prever Z. Slack, P.G. Principal Hydrogeologist



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?YesNo If "No", please disregard the remaining questions and return survey.	
3) What is the well typically used for?DrinkingIrrigationLivestockNot in Us	e
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 the presence of petroleum compounds. Please indicate how you would like to receive the results:	for
The state of the s	
Email -	
OWNER: Mary In Moody Made Real IslateDATE: 8-19. 2019	
PHONE: 843-159-2949 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	
Van 2 // -	
Prever Z. Slack, P.G.	
Principal Hydrogeologist	

2435 E. North Str., Suite 1108-202, Greenville, SC 29615 | Phone (864) 631-2490 | Fax (888) 838-9034 www.PetraTechEnv.com



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.

2) Is there a water supply well on the subject property?YesNo	What is the source of drinking water for the subject Public WaterWater Supply Well Public WaterWater Supply Well Public WaterWater Supply Well Public WaterWater Supply Well Public WaterWater Supply Well Public WaterWater Supply Well Public WaterWater Supply Well Public WaterWater Supply Well Public WaterWater Supply Well Public WaterWater Supply Well Public WaterWater Supply Well Public WaterWater Supply Well Public WaterWater Supply Well Public WaterWater Supply Well Public Water Supply Water Supply Well Public Water Supply Water	et property?	Other -
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 Mail OWNER:	2) Is there a water supply well on the subject property If "No", please disregard the remaining question.	y? Yes No s and return survey.	
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:	3) What is the well typically used for?Drinking	Irrigation	_LivestockNot in Use
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:	4) How many residences are connected to the well?	Please list addresses:	
Mail - Moodey lead temail OWNER: Mary four Moodey 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.	How deep is the well? What is the casing depth/screened interval 6) As part of the assessment, Petra-Tech Environmental	When was the well instal al of the well?	er supply well free-of-charge fo
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.			
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	9/2/109/19/19		8-19.20 14
Petra-Tech Environmental	Thank you in advance for your help. Please do not hesitate	to contact us at 864.678.090	04 if you have any questions.
I was to light	Petra-Tech Environmental		
	Trever Z. Slack, P.G. Principal Hydrogeologist		



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.

1) What is the source of drinking water for the subject property? Public WaterWater Supply WellStreamOther	
2) Is there a water supply well on the subject property?YesNo If "No", please disregard the remaining questions and return survey.	
3) What is the well typically used for?DrinkingIrrigationLivestockNot in Us	se
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 the presence of petroleum compounds. Please indicate how you would like to receive the results:	e for
Mail	
Moody had tolall OWNER: Mary Low Moody	
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	



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.

Public WaterWater Supply WellStreamOther 2) Is there a water supply well on the subject property?YesNoIf "No", please disregard the remaining questions and return survey. 3) What is the well typically used for?DrinkingIrrigationLivestockNot in Use4) 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?
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?
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?
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
Mooden legel estate
OWNER: Mary Low Mooding DATE: 8.19-20 1x
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
Principal Hydrogeologist



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.

1) What is the sou	rce of drinking wat	er for the subject pro	operty?		
Public	waterw	ater Supply Well	Stream	Other	
2) Is there a water If "No", please	supply well on the disregard the rem	subject property?aining questions and	Yes No d return survey.		
3) What is the wel	l typically used for	?Drinking	Irrigation	Livestock	Not in Use
4) How many resid	lences are connecte	ed to the well?	Please list addresses	:	
5) Please provide	well construction de	etails (as much is kn	own).		
How	deep is the well?	V	hen was the well in	istalled?	
What	is the casing depth/	screened interval of	the well?		
6) As most of the according	D / T 1	D			
6) As part of the asset the presence of petro	leum compounds.	Please indicate how	C can sample your you would like to r	water supply well eceive the results:	free-of-charge fo
	Mail				
	Email				_
OWNER:			DAT	E:	
PHONE:		EM	AIL:		
Thank you in advance for	r vour help Dlease	do not hositato to o	onto et 112 et 964 676	0004:0	
Petra-Tech Environme	ntal	do not nestrate to c	omaci us at 864.678	1.0904 If you have a	iny questions.
Trever 7 Slack P.G.					
Trever Z. Slack, P.G.	4				
Principal Hydrogeologis	t				



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.

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?DrinkingIrrigationLivestock Wot 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 fo the presence of petroleum compounds. Please indicate how you would like to receive the results:
OWNER: Sty - OS56 EMAIL: Chenderson @ FLY FLD. 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 Prever Z. Slack, P.G. Principal Hydrogeologist



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.

1) What is the source Public W	e of drinking water VaterWate	for the subject pro or Supply Well	operty? Stream	Other	
2) Is there a water su If "No", please a	pply well on the sulisregard the remain	bject property? _ning questions an	Yes No d return survey.		
3) What is the well t	ypically used for?_	Drinking	Irrigation	Livestock	Not in Use
4) How many residen	nces are connected	to the well?	Please list addresses		
5) Please provide we How de What is 6) As part of the assess	ep is the well? the casing depth/sc	reened interval of	Then was the well in the well?		
the presence of petrolei	ım compounds. Ple	ease indicate how	you would like to re	eceive the results:	free-of-charge to
					-
	Email	L.			
OWNER:			DATE	3:	
PHONE:		EM	AIL:		
Thank you in advance for y Petra-Tech Environment	tal	o not hesitate to c	ontact us at 864.678	.0904 if you have a	iny questions.
You hold.					
Trever Z. Slack, P.G.					
Principal Hydrogeologist					



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.

1) What is the	source of drin	king water for the subject	property?		
<u> </u>	one water	Water Supply Well	Stream	Other	
2) Is there a wa If "No", pla	ater supply we ease disregare	ell on the subject property d the remaining questions	? Yes N and return survey.	O	
3) What is the	well typically	used for?Drinking	Irrigation	Livestock	Not in Use
4) How many i	esidences are	connected to the well? _	Please list address	ses:	
5) Please provi	de well constr	ruction details (as much is	known)		
Ho	ow deep is the	well?	When was the well	installed?	
W	hat is the casi	ng depth/screened interva	l of the well?	mistanea:	
6) As part of the the presence of pe	assessment, P etroleum com	etra-Tech Environmental, pounds. Please indicate h	LLC can sample yo ow you would like to	ur water supply we receive the results	ll free-of-charge fo
	Ma	il			
	Em	ail			
OWNER:			DA	TE:	
PHONE:			EMAIL:		
Petra-Tech Enviror	imental	p. Please do not hesitate t	o contact us at 864.6	/8.0904 if you have	e any questions.
Traver 7 Slock D.G.	1/2-				
Trever Z. Slack, P.G	- Cong				
Principal Hydrogeolo	ogist				



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.

Public WaterWater Supply WellStreamOther 2) Is there a water supply well on the subject property?YesNo	1) What is the source	e of drinking water for the s	subject proper	ty?		
3) What is the well typically used for?DrinkingIrrigationLivestockNot 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:	Public w	aterwater Suppl	y Well	Stream	Other	
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 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 Prever Z. Slack, P.G.	2) Is there a water su If "No", please a	pply well on the subject prolisergard the remaining que	operty? estions and re	Yes No turn survey.		
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.			king _	Irrigation	Livestock	Not in Use
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			rell? Plea	ase list addresses		
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	5) Please provide we	ll construction details (as m	uch is knowr	1)		
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:	How de	ep is the well?	When	n was the well in	stalled?	
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:	What is	the casing depth/screened i	nterval of the	well?		
the presence of petroleum compounds. Please indicate how you would like to receive the results:						
Email OWNER:	the presence of petroleu	ment, Petra-Tech Environment, Compounds. Please ind	nental, LLC o	can sample your would like to re	water supply well faceive the results:	ree-of-charge fo
OWNER:		Mail				_
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.		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.	OWNER:			DATE	3:	
Petra-Tech Environmental Trever Z. Slack, P.G.	PHONE:		EMAII	L:		
Trever Z. Slack, P.G.	Thank you in advance for y Petra-Tech Environment	tal				
됐습니다. 이렇게 맞고 있는데는 이번에 가는 이번에 가장 어려워 있다면 아버지는 것이 없는데 이번에 있는데 이번에 되었다. 그런데 그는데 그런데 그런데 그런데 그런데 그런데 그런데 그런데 그런데 그런데 그런	Yam I M.	2			L'i grock	
	Trever Z. Slack, P.G.					



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.

1) What is the	source of drinking water for the subject p	roperty?	
Pu	ublic WaterWater Supply Well	StreamOther	
2) Is there a w	vater supply well on the subject property?	Yes No	
If "No", pl	lease disregard the remaining questions a	nd return survey.	
3) What is the	well typically used for?Drinking	IrrigationLivestock	Not in Use
4) How many	residences are connected to the well?	Please list addresses:	sac all desagner
5) PI			
5) Please prov	ride well construction details (as much is k	nown).	
П W	Now deep is the well? What is the casing depth/screened interval of	When was the well installed?	
	that is the casing acpuly screened interval	of the well?	
6) As part of the	assessment, Petra-Tech Environmental, L	LC can sample your water supply	well free-of-charge fo
the presence of p	petroleum compounds. Please indicate hove	w you would like to receive the resu	ilts:
	Mail		
	Email -		
OWNER:		DATE:	
PHONE:	EI	MAIL:	
Thank you in advance	ce for your halp Dlagge do not begitete to	2004.070.0004.0	
Petra-Tech Environ	ce for your help. Please do not hesitate to		
1-	well to getty used for? Drink ig		
m h	A straight sammand decreases as		
Trever Z. Slack, P.G Principal Hydrogeol			
I IIICIDAI TIVUI 02001	IORIST		



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

Principal Hydrogeologist

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.

1) What is the source of drinking water for the subject property? Public WaterWater Supply WellStreamOther
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?DrinkingIrrigationLivestockNot 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
OWNER: DATE: 8/14/2014 PHONE: 843 615-0893 EMAIL: Markin - VIK gird & hellande 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, P.G.



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.

Public WaterWater Supply Well	property?Stream	Other	
2) Is there a water supply well on the subject property? If "No", please disregard the remaining questions	Yes No 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:		
What is the casing depth/screened interval	When was the well instruction of the well?		_
 As part of the assessment, Petra-Tech Environmental, the presence of petroleum compounds. Please indicate ho 	LLC can sample your wow you would like to rec	rater supply well f	ree-of-charge fo
the presence of petroleum compounds. Please indicate ho	ow you would like to rec	eive the results:	ree-of-charge fo
the presence of petroleum compounds. Please indicate ho	LLC can sample your wow you would like to rec	eive the results:	ree-of-charge fo
the presence of petroleum compounds. Please indicate hoMailEmail	ow you would like to rec	eive the results:	_
the presence of petroleum compounds. Please indicate ho	ow you would like to rec	eive the results:	_

APPENDIX K

QAPP CHECKLIST

1. Growns

South Carolina Underground Storage Tank Management Division Title: Programmatic QAPP Revision Number: 2 Revision Date: April 2013 Page: 190 of 197

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?	\checkmark		
2	Is UST Owner/Operator name, address, & phone number provided?	\checkmark		
3	Is name, address, & phone number of current property owner provided?	\checkmark		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	\checkmark		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?	4		
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?	\checkmark		
7	Has the facility history been summarized?	\checkmark		
8	Has the regional geology and hydrogeology been described?	1		
9	Are the receptor survey results provided as required?	1		
10	Has current use of the site and adjacent land been described?	1		
11	Has the site-specific geology and hydrogeology been described?	1		
12	Has the primary soil type been described?	4		
13	Have field screening results been described?	1		
14	Has a description of the soil sample collection and preservation been detailed?	4		
15	Has the field screening methodology and procedure been detailed?	\checkmark		
16	Has the monitoring well installation and development dates been provided?	1		
17	Has the method of well development been detailed?	1		
18	Has justification been provided for the locations of the monitoring wells?	1		
19	Have the monitoring wells been labeled in accordance with the UST QAPP quidelines?	4		
20	Has the groundwater sampling methodology been detailed?	\checkmark		
21	Have the groundwater sampling dates and groundwater measurements been provided?	4		
22	Has the purging methodology been detailed?	\checkmark		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?	1		
24	If free-product is present, has the thickness been provided?			1
25	Does the report include a brief discussion of the assessment done and the results?	\checkmark		*
26	Does the report include a brief discussion of the aquifer evaluation and results?	\checkmark		
27	Does the report include a brief discussion of the fate & transport models used?			4

Title: Programmatic QAPP Revision Number: 2 Revision Date: April 2013 Page: 191 of 197

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

South Carolina Underground Storage Tank Management Division Title: Programmatic QAPP Revision Number: 2 Revision Date: April 2013 Page: 192 of 197

Explanation for missing and incomplete information?
Project Verifier (signature) Many Ratherine Buch
(print name) Kaye Burch
12/16/14 <u>Date</u>

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

APPENDIX L

QAPP CONTRACTOR ADDENDUM



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

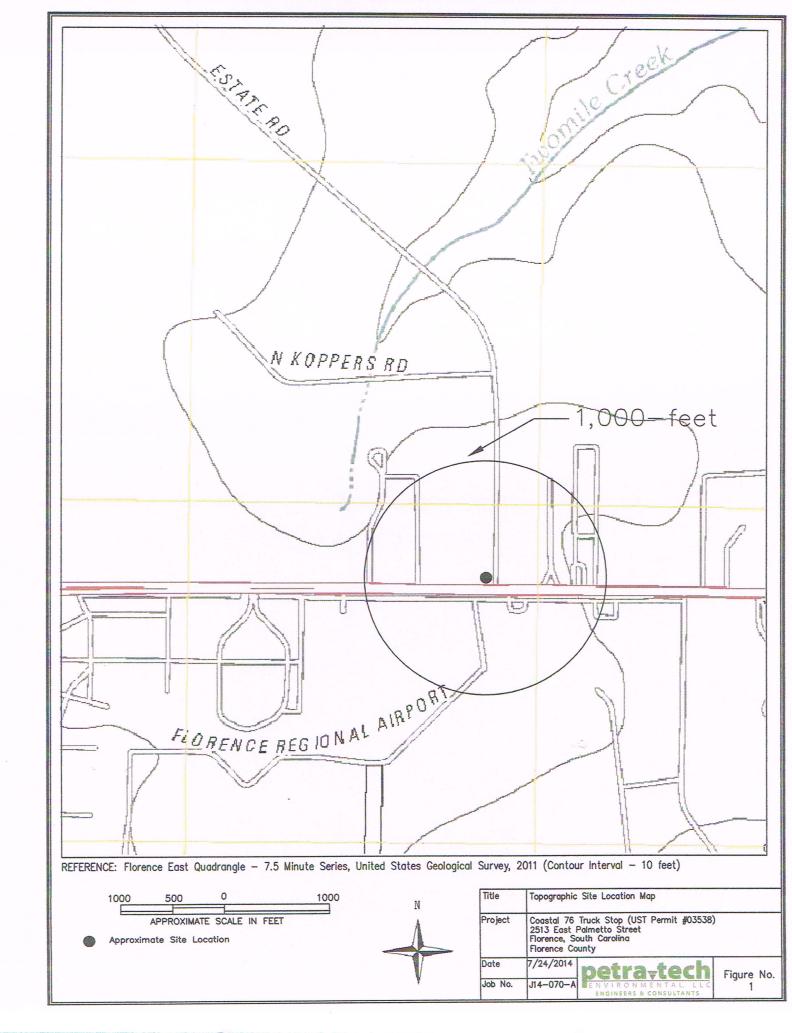
Trever Z. Slack, P.G. Principal Hydrogeologist

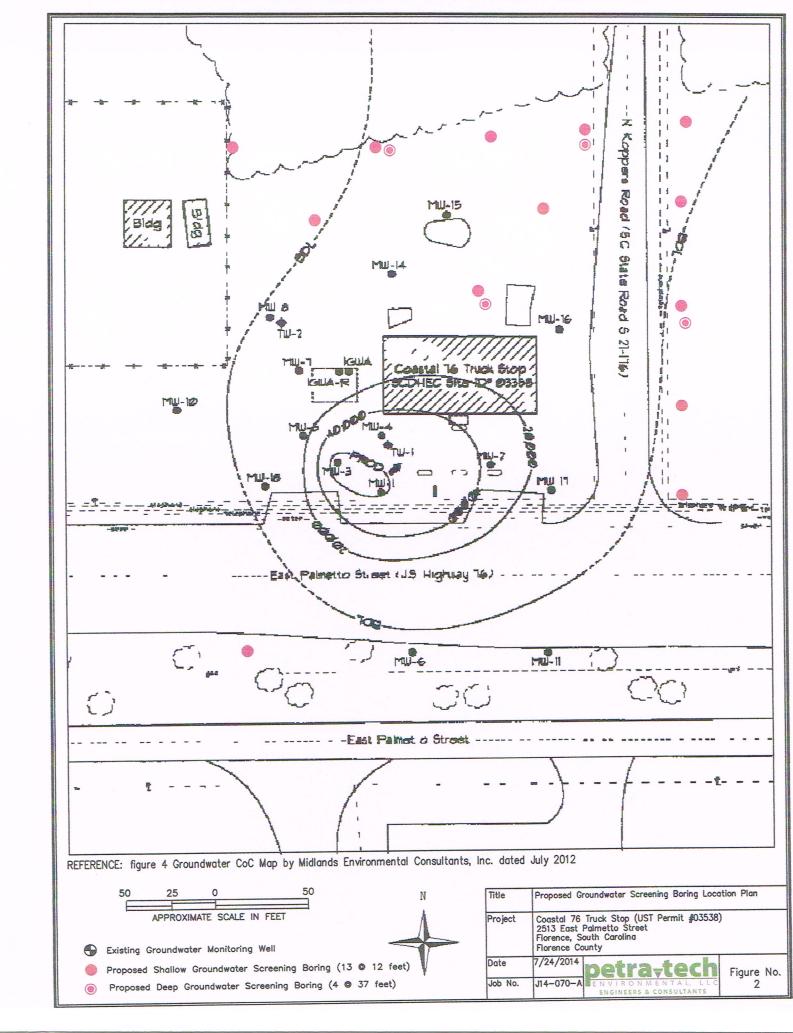


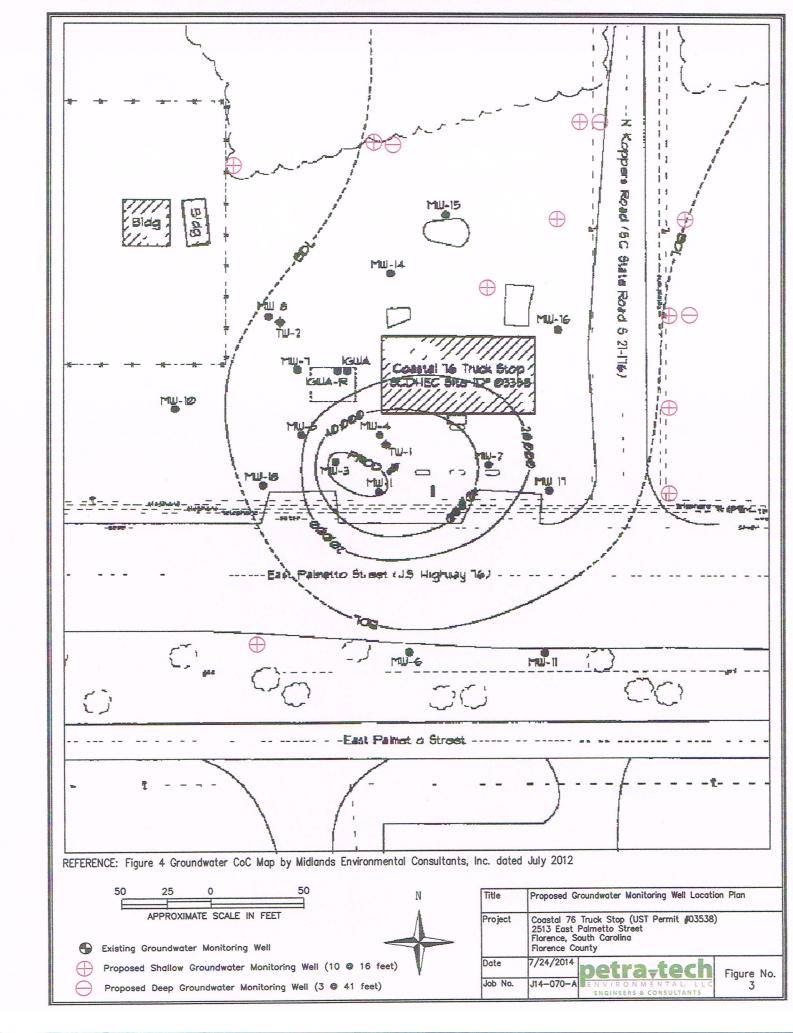
Site-Specific Work Plan for Approved ACQAP Underground Storage Tank Management Division

To: Ms. Maia Milenkova		(SC	DHEC Project Manager)
From: Trever Slack		(Con	tractor Project Manager)
Contractor: Petra-Tech Environ	nmental, LLC UST Contr	actor Certification Number: UCC-4	136
Facility Name: Coastal 76 Tru	ck Stop	UST Permit #:	03538
Facility Address: 2513 East Page 1	almetto Street		
Responsible Party: Mceachin	, Dan	Phone: 803.65	1.8835
RP Address: 1007 Wentworth	Drive, Florence, South Carolina 2950	01	
Property Owner (if different):	Same as above		
Property Owner Address: Sa	me as above		
Current Use of Property: Va	cant Commercial Property being used	a for storage	
Scope of Work (Please che	ck all that apply)		
□ IGWA ☑ T	ier II	☐ Groundwater Sampling	☐ GAC
□ Tier I □ N	Ionitoring Well Installation	Other	
Analyses (Please check all			
Groundwater/Surface Water:			
☑ BTEXNMDCA (8260B)		□ BOD	☐ Methane
Oxygenates (8260B)		☐ Nitrate	☐ Ethanol
☑ EDB (8011)	□ TPH	☐ Sulfate ☐ Other	☐ Dissolved Iron
☐ PAH (8270D) Soil:	□ pH	n Onei	
Soil:	☐ 8 RCRA Metals	☐ TPH-DRO (3550B/8015B)	☑ Grain Size
□ PAH	☐ Oil & Grease (9071)	☐ TPH-GRO (5030B/8015B)	
Air:	_ = = = = = = = = = = = = = = = = = = =	,	
□ BTEXN			
Sample Collection (Estima	te the number of samples of each	matrix that are expected to be co	llected.)
Soil	Water Supply W	VellsAir	2 Field Blank
32 Monitoring Wells	Surface Water	2 Duplicate	3 Trip Blank
Field Screening Methodolo	ompleted depth for each point an	d include their proposed locations	on the attached map.
# of shallow points proposed	· 13	stimated Footage: 12 (estimated)	feet per point
# of door points proposed:	1 F	stimated Footage: 37 (estimated)	feet per point
Field Screening Methodolog	y: Direct Push with PID field screening	ng and laboratory confirmation of sele	ct samples IAW SOP
Permanent Monitoring We	IIS	d include their proposed locations	on the attached map.
# of challow walls: 10	Estimate	ed Footage: 16	teet per point
H - C 3	Fetimate	ed Footage: 41	reet per point
# of recovery wells.	Estimate	ed Footage:	feet per point
Monitoring Well developmen	t method (consistent with SOP):	Surging and pumping IAW SOP	
Commente if warranted			
Deep wells installed outside of	the source area will be installed as T	ype II monitoring wells if it is determin	ed by the on-site geologist
that no confining layers are pre			

UST Permit #: 03538	Facility Name:	Coastal 76 Truck Stop	
Implementation Schedule (Field Work Start-Up: 8/27/14 Report Submittal: 11/27/14		s from approval) Field Work Completion: 10/27/14 # of Copies Provided to Property Owners: 3	
Aquifer Characterization Pump Test: Slug Test: Slug test will be completed in two elimination of requirements for p	☑ (Check one and provi shallow and one deep mo etroleum impacted water dis	ide explanation below for choice) initoring well. Slug tests are recommended over pump to sposal. Additionally, slug tests minimize the cone of dept of petroleum compounds from shallow to deeper aquif	pression
Investigation Derived Waste Soil: 5 Drilling Fluids: 25	Disposal Tons Gallons	Purge Water: 200 Free-Phase Product: 0	Gallons Gallons
event, etc. Eighteen existing groundwater midentified within 1,000-feet of the Tier II Assessment. Compliance With Annual Converse Laboratory as indicated	ampled, wells to be aban conitoring wells and 13 new site or within 500-feet of the contractor Quality Assura		d. Receptors
Name of Laboratory: SCDHEC Certification Name of Laboratory Dir			
Yes Well Driller as indicated Name of Well Driller: _ SCLLR Certification Nu No Other variations from AC	mber:		
	nap. This map must be a wing: Proposed Legend w Streets or g locations Location well locations	GGS topographic map showing the site location. accurately scaled, but does not need to be surveyed monitoring well locations with facility name and address, UST permit number highways (indicate names and numbers) of all present and former ASTs and USTs of all potential receptors	
Assessment Compor	ent Cost Agreement, SC	DHEC 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
PO#4600271461

Facility Name Coastal Mart 76 Truck Stop

racinty warne coastal mait 76 Truck Stop	A			
UST Permit #: 03538		reement #:		
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)		and the second s		
A1. Comprehensive Survey	1	each	\$1,405.00	\$1,405.00
B. Subsurface Geophysical Survey		15 ye		
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	0	each	\$209.00	\$0.00
5. A1. Soil Borings (hand auger)*		feet	\$1.00	\$0.00
6. Soil Borings (requiring equipment, push technology)	ology etc)*	The same of the sa	- 1100	
Field Screening (including water sample, soil s	ample soil	das sample, etc.)	*	
A1. Standard	320	per foot	\$3.50	\$1,120.00
C1. Fractured Rock	020	per foot	\$2.00	\$0.00
7. A1. Soil Leachability Model (Each)		each	\$1.00	\$0.00
8. Abandonment (per foot)*		Caon	7.100	
A1. 2" diameter or less		per foot	\$0.50	\$0.00
B1. Greater than 2" to 6" diameter		per foot	\$1.00	\$0.00
		per foot	\$2.50	\$0.00
C1. Dug/Bored well (up to 6 foot diameter)		por root	\$2.00	
9. Well Installation (per foot)*		per foot	\$1.00	\$0.00
A1. Water Table (hand augered)	283	per foot	\$16.25	\$4,598.75
B1. Water Table (drill rig)	200	per foot	\$17.50	\$0.00
C1. Telescoping/ Pit Cased		per foot	\$13.00	\$0.00
D1. Rock Drilling		per foot	\$1.00	\$0.00
E1. 2" or 4" Rock Coring		per foot	\$5.00	\$0.00
G1. Rock Multi-sampling ports/screens		each	\$11.00	\$0.00
H1. Recovery Well (4 inch diameter)		each	\$5.00	\$0.00
II. Pushed Pre-packed screen (1.25 diameter)		1	\$2.00	\$0.00
J1. Rotosonic (2 inch diameter)		each	\$0.50	\$0.00
K. Re-develop Existing Well		each	\$0.00	ψ0.00
10. Groundwater Sample Collection / Gauge Dep	th to Water	or Product	\$165.00	\$5,280.00
A1. Groundwater Purge	32	per well	\$1.00	\$0.00
B1. Air or Vapors		per receptor	\$1.00	\$0.00
C1. Water Supply		per well/receptor	\$50.00	\$100.00
D1. Groundwater No Purge or Duplicate	2	samples		\$0.00
E1. Gauge Well only		per well	\$5.00	\$0.00
F1. Sample Below Product		well	\$5.00	\$0.00
G1. Pasive Diffusion Bag		each	\$1.00	
H1. Field Blank	2	each	\$52.00	\$104.00
11. Laboratory Analyses-Groundwater				64 500 00
A2. BTEX+Naphth.+ Oxyg's+ 1,2 DCA + Ethano	39	sample	\$117.00	\$4,563.00
AA1. Lead, Filtered	Autoritation	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

D H E C PROMOTE PROTECT PROSPER

ASSESSMENT COMPONENT COST AGREEMENT SOUTH CAROLINA

Department of Health and Environmental Control Underground Storage Tank Management Division

South Carolina Department of Health		State Underground Pe	etroleum Environmental Respo	nse 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		- Cumpio	701.10	\$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
		sample	\$15.00	\$0.00
V1. TPH- GRO (5030B/8015B)	2		\$55.00	\$110.00
W1. Grain size/hydrometer	2	sample		
X1. Total Organic Carbon		sample	\$14.00	\$0.00
11. Analyses-Air			250.00	00.00
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*			200.00	00.00
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			27.00	00.00
A1. Mathematical Model		each	\$5.00	\$0.00
B1. Computer Model		each	\$5.00	\$0.00
15. Risk Evaluation			005.00	60.00
B1. Tier II Risk Evaluation		each	\$25.00	\$0.00
16. A1. Subsequent Survey*		each	\$95.00	\$0.00
17. Disposal (gallons or tons)*			00.05	¢50.00
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*			\$49.00	\$147.00
A1. Additional Copies of the Report Delivered	3	each each	\$5.00	\$0.00
B1. Repair 2x2 MW pad		each	\$5.00	\$0.00
C1. Repair 4x4 MW pad 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

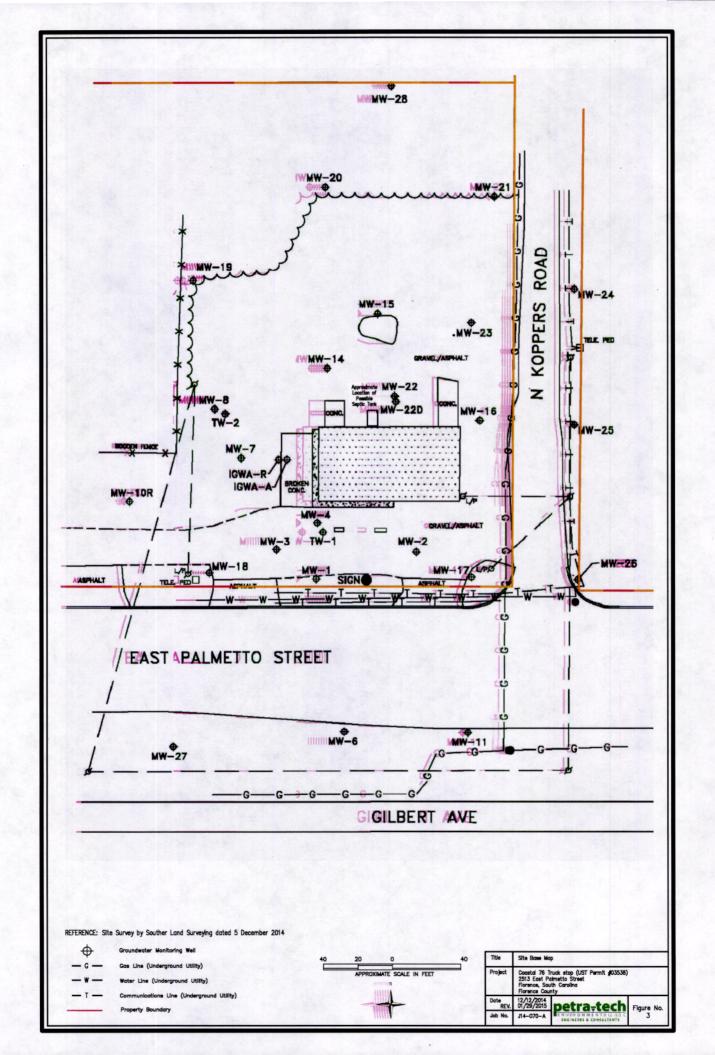


TABLE 2 - Revised 1-29-15 Monitoring Well and Groundwater Surface Elevation Data Constal 76 Truck Stop - UST Permit #03538 Florence, Florence County, South Carolina

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 Interva Elevation	
			09/29/1999	0 21	NA	NA				
IONIA	145.50	145.10	02/20/2012			RY	,,,	NA - NA		
IGWA	145 56	145 19	06/26/2012		NA 11 98	NA 133 21	NA NA	NA - NA	NA - NA	
			12/03/2014		12 15	133 04	-			
			06/26/2012		14 10	131 04				
IGWA"R"	145 93	145 14	12/03/2014		11 93	133 21	21 00	1100 - 2100	134 93 - 124 9	
			12/13/2014		12 10	133 04	1			
			09/29/1999		13 31	132 56				
			02/20/2012		Di	RY]			
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			1	
			12/13/2014		12 75	133 12				
			09/29/1999		13 63		-			
03538-MW02	145 71	145 19	02/20/2012		14 04	RY 131 15	18 30	NA - NA	NA - NA	
03338-MW02	14371	143 15	12/02/2014		12 34	132 85	18 30	100 - 100	100	
			12/02/2014		12 36	132 83	ł			
			09/29/1999		13 13	132 38				
			02/20/2012	0.40	NA	NA.	1	!		
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	1	1	-	
			12/13/2014		12 39	133 12	1	L	<u> </u>	
•			09/29/1999		12 91	132 65			1	
			02/20/2012	0 20	NA	NA				
03538-MW04	146 05	145 56	06/26/2012		14 35	131 21	1835	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 NA	18 29	8 29 - 18 29	NA - NA	
			12/03/2014			CATED				
			12/13/2014							
			09/29/1999		13 04	133 00	_			
			02/20/2012			RY		l	1	
03538-MW06	146 44	146 04	06/26/2012		14 65	131 39	18 29	18 29	8 29 - 18 29	138 15 - 128
			12/03/2014		12 67	133 37				
			12/13/2014		12 91	133 13			-	
			09/29/1999		NA .	NA	1		ŀ	
			02/20/2012	-	16 54	128 07	15 38	8 38 - 18 38	136 64 - 126	
03538-MW07	145 02	144 61	06/26/2012	-	13 45 11 20	131 16 133 41		8 38 - 10 38	136 64 - 126	
			12/03/2014		11 47	133 14	ł			
			12/13/2014 09/29/1999	=	11.47	132 24	 	-	 	
			02/20/2012		15 59	128 19	1	1	1	
03538-MW08	144 30	143 78	06/26/2012		12 62	131 16	18 29	8 29 - 18 29	136 01 - 126	
03330-(4) 47 00	144.50	14370	12/03/2014		10 43	133 35	1			
			12/13/2014		10 61	133 17				
			09/29/1999	·	12 08	NA				
			02/20/2012		NOT LO	CATED	1			
03538-MW09	NA.	NA	06/26/2012		NOT LO	CATED	1833	18 33	8 33 - 18 33	NA - NA
			12/03/2014			DCATED]			
			12/13/2014		NOT LOCATED					
			09/29/1999	-	NA.	NA				
	1		02/20/2012	-	15 65	NA	1	I	l	
03538-MW10	NA NA	NA NA	06/26/2012		12 41	NA	18 25	NA - NA	NA - NA	
	1		12/03/2014			DCATED	4	I		
			12/13/2014	<u> </u>		CATED		ļ	ļ	
03538-MWI0R	144 23	143 81	12/03/2014		10 50	133 31	1181	161 - 1161	142 62 - 132	
	 		12/13/2014 09/29/1999		12 75	133 19	 	 	 	
	I		02/20/2012		17 85	127 83	1			
03538-MW11	146 20	145 68	06/26/2012		14 39	131 29	18 42	8 42 - 18 42	137 78 - 127	
03330-WW 11	140 20	, , , , , , ,	12/03/2014		12 64	133 04	1	""		
	I		12/13/2014		12 70	132 98	1	1		
	· · · · · · · · · · · · · · · · · · ·	 	09/29/1999		11 87	132 49				
	I		02/20/2012		16 35	128 01	1		1	
03538-MW14	144 66	144 36	06/26/2012	-	NA.	NA	18 29	8 29 - 18 29	136 37 - 126	
	I		12/03/2014			CATED				
	I		12/13/2014		11 39	132 97		L		
****			06/26/2012		12 78	130 76]	1		
03538-MW15	144 04	143 54	12/03/2014	-	10 46	133 08	20 00	10 00 - 20 00	134 04 - 124	
	L		12/13/2014		10 62	132 92		L		
			06/26/2012		13 43	130 90				
03538-MW16	144 56	144 33	12/03/2014		11 18	133 15	21 00	1100 - 2100	133 56 - 123	
			12/13/2014		11 42	132 91	L		ļ	
			06/26/2012	-	13 96	131 12				
03538-MW17	145 47	145 08	12/03/2014		11 92	133 16	2100	1100 - 2100	134 47 - 124	
			12/13/2014		12 10	132 98		ļ	ļ	
			06/26/2012		14 44	131 35				
				1	12 42	133 37	21 00	1100 - 2100	135 20 - 125	
03538-MW18	146 20	145 79	12/03/2014		12 60	133 19	4 2	11.00	1 .55 20 .25	

		T	12/03/2014		9 79	133 88	i	1	
03538-MW19	143 97	143 67	12/13/2014		10 66	133 01	12 32	2 12 - 12 12	141 85 - 131 85
					10 00	132 96		+	
03538-MW20	144 21	143 93	12/03/2014				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
03336-WW21	143 66	14323	12/13/2014		10 60	132 65		2.0	
	146.05	145.03	12/03/2014	-	9 92	135 11	15 29	5 09 - 15 09	140 19 - 130 19
03538-MW22	145 28	145 03	12/13/2014	-	12 16	132 87	13 49	307 - 1307	140 17 - 130 1
			12/03/2014	-	13 83	131 06			
03538-MW22D	145 30	144 89	12/13/2014		13 82	131 07	44 43	39 23 - 44 23	106 07 - 101 0
			12/03/2014		11 90	131 73		5.60 16.60	100.00 100.0
03538-MW23	143 87	143 63	12/13/2014		10 77	132 86	15 77	5 57 - 15 57	138 30 - 128 30
	140.00		12/03/2014		10 81	132 97	13 19	2 99 - 12 99	141 00 - 131 0
03538-MW24	143 99	143 78	12/13/2014		11 03	132 75	13 19	2 99 - 12 99	141 00 - 151 0
02524 > 51/25	144 45	144 04	12/03/2014	-	10 66	133 38	13 36	3 16 - 13 16	141 29 - 131 2
0353 8-MW2 5	144 43	144.04	12/13/2014		11 08	132 96	1550	710 - 1510	141 27 - 131 2
03538-MW26	145 22	144 96	12/03/2014	-	11 84	133 12	15 06	4 86 - 14 86	140 36 - 130 3
03336-WIW20	143 22	144.70	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 0
03336-W W 27	145 10	(44777	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 9
03336-WIW 26	142 00	17271	12/13/2014	-	10 10	132 61			
			09/29/1999		12 79	132 98			1
		1	03/01/2012		17 75	128 02	Į.		Ĭ
03538-TW01	145 93	145 77	06/26/2012		14 65	131 12	36 00	3100 - 3600	114 93 - 109 9
			12/03/2014			CATED			
			12/13/2014		12 69	133 08			
			06/26/2012		13 95	130 03	I		
03538-TW02	144 24	24 143 98	12/03/2014	-	10 79	133 19	36 00	31 00 - 36 00	113 24 - 108 2
			12/13/2014	-	11 93	132 05	1	1	

NOTES:
Measurements are in feet
BGS - below ground sturface
Elevations are NAVD \$\$

• Groundwater clevations 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/ce

TABLE 3
Summary of Groundwater Analytical Results - Revised 1-29-15
Coastal 76 Truck Stop - UST Permit #03538
Florence, Florence County, South Carolina

				1				T		Τ							ī		1
		Free-Product	Benzene	Toluene	Ethylbenzene	Xylenes	мтве	Naphthalene	EDB	1,2 DCA	ETBE	ETBA	TAME	DIPE	Ethanol	TBF	TBA	TAA	Lead
		Thuckness (feet)	(μg/L) ·	· (μg/L)	(µg/L)	(μg/L)	(µg/L)	(μg/L)	(μg/L)	(µg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(µg/L)	(µg/L)	(μg/L)	(µg/L)
			RBSL	RBSL	RBSL	RB\$L	RBSL	RBSL	RBSL	RBSL	RBSL	RBSL	RBSL	RBSL	RBSL	RBSL	RBSL	RBSL	RBSL
			5	1,000	700	10,000	40	25	0 05	5	47	NE	128	150	10,000	NE	1,400	240	15
	09/29/1999	0 21						N				EUM PRODU	CT PRESENT	1					
IGWA	02/20/2012				_)	NOT SAMPLE									
	06/26/2012							T		NOT SAM			1		1			r	r
	12/03/2014		1360	6080	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	9.0J
	12/03/2014		2000	9400	1800	7000	<40	530	3.2	<15	<20	<100	<20	<40	<3300	<100	<670	730 J	51
	07/29/1999		19900	26000	2040	12080	7400	592	111	NT	NT	NT	NT	NT	NT	NT	NT	NT	609
03538-MW01	02/20/2012									NOT SAMPLE									
	06/26/2012	0 02											CT PRESENT			· · · · · ·			
	12/02/2014		17000	27800	1500	15000	250 J	220	210	<74	<100	<500	<100	<200	<17000	<500	<3400	2300 J	630
	07/29/1999		18500	28380	3560	15270	10500	670	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	403
03538-MW02	02/20/2012							r		NOT SAMPLE		r	r			r			· · · · · · · · · · · · · · · · · · ·
	06/26/2012		9800	17000	1300	11000	1100	370	65	240J	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
	07/29/1999		6800	16940	2380	14020	31.5	570	81.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	116
	02/20/2012	0 40											CT PRESENT						
03538-MW03	06/26/2012	0 01		·	<u>,</u>								CT PRESENT						
	12/02/2014		2000	10000	1600	11000	<40	700	3.5	<15	<20	<100	<20	<40	<3300	<100	<670	2200	700
	12/02/2014 DUP	<u></u>	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	300	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	113
	02/20/2012	0 02											CT PRESENT		_				
03538-MW04	06/26/2012	-	8500	22800	2100	17660	<500	1100	. 14	<500	NT	NT	NT	NT	NT	NT	NT	NT	440
	12/03/2014		3600	9100	810	10000	<80	710	2.2	<29	<40	<200	<40	<80	<6600	<200	<1300	2806 J	110
	12/03/2014 DUP		4000	9600	820	9500	<40	648	2.0	<15	<20	<100	<20	<40	<3300	<100	<670	2800	130
	07/29/1999		1590	7410	1850	10320	13.1	360	11.9	NT.	NT	NT	NT	NT	NT	NT	NT	NT	43
03538-MW05	02/20/2012		649	5100	998	5800	<50	27#	. 0.45	12	<0.20	<10	<0 20	<0 40	<33	<10	8.9J	180	670
	06/26/2012		810	7400	1500	10000	<200	770	0.86	<200	NT	NT	NT	NT	NT	NT	NT	NT	31
	12/02/2014									UNDERNEAT									
	07/29/1999	- 1	ND	5	5.72	25.93	ND	7.8	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	23
03538-MW06	02/20/2012									NOT SAMPLE									
	06/26/2012	_	<50	<5 0	<50	<50	<50	<50	<0 019	<50	NT	NT	NT	NT	NT	NT	NT	NT	9.7J
	12/03/2014		<013	<0 33	<0.33	<0 33	<0 40	<0.40	<0 020	<0 15	<0.20	<10	<0.20	<0 40	<33	<10	<67	<67	2.3 J
	07/29/1999	= -	ND	5440	1750	7350	979	530	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	48
03538-MW07	02/20/2012	-	180	870	749	2500	<50	210	<0 020	4.1J	<0 020	2.5J	<0 020	<0 40	<33	<10	8.9J	140	280
	06/26/2012		390	3000	1700	7500	<200	680	0.063	<200	NT	NT	NT	NT	NT	NT	NT	NT	25
	12/03/2014	_	210	740	1300	3700	<20	270	<0 020	<74	<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
03538-MW08	02/20/2012		<0 20	<1.7	<17	3.4J	<0 40	4.1J	<0 019	<0 30	<0.20	<10	<0.20	<0.40	<33	<10	18J	72J	140
	06/26/2012		<50	<5 0	6.9	29	<50	20	<0 021	<50	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	<10	<0 20	<0 40	<33	<1_0	<67	<67	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
	08/05/1999	_	ND	ND	ND	1.46	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	12
03538-MW09	02/20/2012									NOT LOCA	ATED								
03538-MIW09	06/26/2012									NOT LOCA	ATED								
	12/02/2014									NOT LOC	ATED								
	08/05/1999	-	ND	4.09	2.63	7.43	14.15	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	13
03538-MW10	02/20/2012	-	<0.20	<17	<1 7	<17	<0 40	<17	<0 023	<0 30	<0.20	<10	<0 20	<0 40	<33	<10	<67	<67	2.9
03338-MW 10	06/26/2012	-	<50	<50	<5 0	<50	<50	<50	<0 019	<50	NT	NT	NT	NT	NT	NT	NT _	NT	11
	12/02/2014									NOT LOC	ATED								
03538-MW10R	12/03/2014	_	<0 13	<0 33	<0 33	<0 33	<0 40	<0.40	<0 021	<0 15	<0 20	<10	<0.20	<0 40	<33	<10	<67	<67	28
	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
03538-MW11	02/20/2012								<u> </u>	OT SAMPLE	D - DRY								
03338-1014411	06/26/2012		<50	<50	<50	<50	<50	<50	<0 020	<50	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	<10	<0 20	<0 40	<33	<10	<67	<67	8.9 J
	08/05/1999	-	591	1350	640	2123	8.68	8.4	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	16
03538-MW14	02/20/2012	-	530	3100	1500	4400	<0 40	260	0.21	10	<0.20	1.1J	<0.20	<10	<33	<10	9.5J	630	5.2
03338-14144 14	06/26/2012	_	13	16	73	49	<50	46	< 0 019	<50	NT	NT	NT	NT	NT	NT	NT	NT	3.0J
	12/12/2014	_	2.8	2.0	5,3	4.9	<i 0<="" td=""><td>1.3</td><td><0.019</td><td><0.15</td><td><0.20</td><td><10</td><td><0 20</td><td><0 40</td><td><33</td><td><10</td><td><67</td><td>7.9</td><td><19</td></i>	1.3	<0.019	<0.15	<0.20	<10	<0 20	<0 40	<33	<10	<67	7.9	<19
03538-MW15	06/26/2012		92	280	140	380	<25	39	0.050	<50	NT	NT	NT	NT	NT	NT	NT	NT	8.6.7
05550-1414/15	12/03/2014	_	<0 13	<0 33	<0 33	<0 33	<0 40	<0.40	<0,020	<0 15	<0.20	<10	<0.20	<0 40	<33	<10	<67	<67	<19
03538-MW16	06/26/2012	-	180	580	83	380	5.4J	39	2.59	<25	NT	NT	NT	NT	NT	NT	NT	NT	16
03350 111,110	12/03/2014		1.3	0.62 J	<0 33	0.68 J	1.1	<0 40	0.031	<0 15	<0.20	<10	<0.20	<0.40	<33	<10	<67	<67	<19
03538-MW17	06/26/2012		224	1500	1500	5700	20J	980	2.8	<100	NT	NT	NT	NT	NT	NT	NT	NT	35
03330-11117	12/03/2014	_	230	600	1000	5000	<20	340	0.70	<74	<10	<50	<10	<20	<1700	<50	<340	<340	31
03538-MW18	06/26/2012		<50	<50	<50	<50	<50	<50	<0 020	<50	NT	NT	NT	NT	NT	NT	NT	NT	11
03330 1111110	12/03/2014	_	<013	<0 33	0.40 J	80	<0.40	21	<0 019	<0 15	<0.20	<10	<0.20	<0 40	<33	<10	12 J	<67	<19
03538-MW19	12/03/2014	_	<013	<0.33	<0 33	<0.33	<0.40	<0 40	<0 020	<0.15	<0.20	<10	<0.20	<0 40	<33	<10	<67	<67	<19
03538-MW20	12/03/2014	. –	<0 13	<0 33	<0 33	<0.33	<0 40	<0.40	<0.019	<0.15	<0.20	<10	<0.20	<0.40	<33	<10	<67	<67	<19
03538-MW21	12/03/2014	-	<0 13	<0 33	<0.33	<0.33	<0 40	<0 40	<0 020	<0.15	<0.20	<10	<0.20	<0.40	<33	<10	<67	<67	6.9 J
03538-MW22	12/03/2014	-	<0 13	<0_33	<0 33	<0 33	<0 40	<0.40	<0 020	<015	<0.20	<10	<0.20	<0 40	<33	<10	<67	<67	2 J
	12/12/2014	-	<0 13	<0.33	<0.33	<0 33	<0 40	<0 40	<0 020	<0 15	<0.20	<10	<0.20	<0 40	<33	<10	<67	<67	NT
03538-MW22D	12/03/2014	_	<0 13	<0 33	<0 33	<0.33	<0.40	<0.40	<0 020	<0 15	<0.20	<10	<0.20	<0 40	<33	<10	<67	<67	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	<10	<0.20	<0 40	<33	<10	<67	<67	43
33330-111123	12/12/2014		<0 13	<0 33	<0 33	<0 33	<0.40	<0.40	<0 020	<0 15	<0.20	<10	<0 20	<0.40	<33	<10	<67	<67	NT
03538-MW24	12/03/2014		<0 13	<0 33	<0 33	<0.33	<0.40	<0 40	<0 020	<0.15	<0.20	<10	<0.20	<0.40	<33	<10	<67	<67	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	<10	<0.20	<0.40	<33	<10	<67	<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	<10	<0.20	<0 40	<33	<10	<67	<67	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	<10	<0.20	<0 40	<33	<10	<67	<67	<19
03538-MW28	12/03/2014	_	<013	<0 33	<0 33	<0 33	<0 40	<0 40	<0 020	<0 15	<0 20	<10	<0 20	<0 40	<33	<10	<67	<67	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)
			RB\$L 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	RB\$L NE	RB\$L 1,400	RBSL 240	RBSL 15
	08/26/1999		89.6	289	91.5	377	15	5	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	7
03538-TW01	03/01/2012		<0.20	<1 7	<17	<17	<0.40	2.6J	<0.019	<0.30	<0 20	<10	<0.20	<0.40	<33	<10	<67	<67	13
03336-1 W01	06/26/2012	_	<50	<50	<50	<50	<50	<50	<0 020	<50	NT	NT	NT	NT	NT	NT	NT	NT	3.4J
	12/12/2014	-	<0 13	<0.33	<0 33	<0 33	<040	<040	<0 020	<0 15	<0.20	<10	<0.20	<040	<33	<10	<67	<67	<19
03538-TW02	06/26/2012	_	<50	<50	<50	<50	<50	<50	<0 020	<50	NT	NT	NT	NT	NT	NT	NT	NT	11
03338-1 W02	12/03/2014		<0 13	<0.33	<0 33	<0 33	<0 40	<0.40	<0.019	<0 15	<0.20	<10	<0.20	<0 40	<33	<10	<67	<67	<19
TRIP BLANK 1	12/03/2014	-	<0 13	<0 33	<0 33	<0 33	<0 40	<0.40	NT	<0.15	<0.20	<10	<0.20	<0 40	<33	<10	<67	<67	NT
TRIP BLANK 2	12/03/2014	_	<0 13	<0 33	<0 33	<0 33	<0 40	<0 40	NT	<0 15	<0.20	<10	<0.20	<0 40	<33	<10	<67	<67	NT
TRIP BLANK 3	12/03/2014	_	<0 13	<0.33	<0 33	<0 33	<0 40	<0.40	NT	<0 15	<0.20	<10	<0.20	<0.40	<33	<10	<67	<67	NT
TRIP BLANK 4	12/12/2014		<0 13	<0 33	<0.33	<0 33	<0 40	<0.40	NT	<0 15	<0.20	<10	<0.20	<0 40	<33	<10	<67	<67	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	<10	<0.20	<040	<33	<10	<67	<67	<19
FIELD BLANK 2	12/03/2014		<0 13	<0 33	<0 33	<0 33	<0.40	<0.40	<0 020	<0.15	<0.20	<10	<0.20	<0 40	<33	<10	<67	<67	<19
FIELD BLANK 3	12/12/2014		<0 13	<0 33	<0.33	<0.33	<0 40	<0.40	<0 020	<0 15	<0.20	<10	<0.20	<0.40	<33	<10	<67	<67	NT

NOTES:
RBSL - Rusk 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 7 9 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,

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.

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 15-5233

Certified Site Rehabilitation Contractor UCC-0009

SC Department of

Health and Environmental

Control

June 29, 2015

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.

Post Office Box 854, Lexington SC 29071 • 231 Dooley Road, Lexington, SC 29073 Telephone: (803) 808-2043 • fax: (803) 808-2048





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

To: Ms. Maia Milenkova From: Mr. Jeff Coleman	,				DHEC Project Manager) tractor Project Manager)
Contractor: Midlands Environm	ental Consultants, Inc.	UST Contrac	tor Certification		
Facility Name: Coastal 76 True Facility Address: 2513 E Palm		29506		UST Permit #: _0	03538
Responsible Party: Dan M. M.	F			Phone: 803-65	1-8835
RP Address: 1007 Wentworth)1			
Property Owner (if different):		···			·
Property Owner Address: SA	<u> </u>				
Current Use of Property: About	indoned Truck Stop				
Scope of Work (Please che		,			
□ IGWA □ Tī		_	☑ Groundwat		☐ GAC
☐ Tier I ☐ M	onitoring Well Installati	ion	Other		
Analyses (Please check all t	hat apply)				
Groundwater/Surface Water:			= 000	•	—
☑ BTEXNMDCA (8260B)	☐ Lead		□ BOD		☐ Methane
Zi Oxygenates (8260B)Zi EDB (8011)	☐ 8 RCRA Metals		□ Nitrate□ Sulfate		☐ Ethanol☐ Dissolved Iron
☐ PAH (8270D)	□ TPH □ pH		☐ Other		LI DISSOIVED ITON
Soil:	ш ріт				
□ BTEXN	☐ 8 RCRA Metals		□ TPH-DRO	(3550B/8015B)	☐ Grain Size
□ PAH	☐ Oil & Grease (90			(5030B/8015B)	□ TOC
Air:	_ 0 0. 0.0100 (0.0	,		(00002.00.02)	
□ BTEXN					
Sample Collection (Estimate	the number of sample	es of each m	atrix that are ex	pected to be col	lected.)
Soil	Water	r Supply Well	ls	_Air	1 Field Blank
Monitoring Wells	Surfa	ace Water	2	Duplicate	1 Trip Blank
Claid Corporing Mathedales		<u> </u>			
Field Screening Methodolog Estimate number and total co	: =	h point and i	nclude their pro	posed locations	on the attached man
# of shallow points proposed:	•	•	nated Footage:	*	feet per point
# of deep points proposed:			•		
Field Screening Methodology:					
Permanent Monitoring Wells					
Estimate number and total co		n well, and in	clude their prop	osed locations o	n the attached map.
# of shallow wells:	•		•		•
# of deep wells:					
# of recovery wells:					
Monitoring Well development	method (consistent wit	th SOP):	. <u>.</u>		
Comments, if warranted:					
		-			·-··
					
					

UST	Permit #: 03538 Fa	icility Name	Coastal 76 Truck Stop	
Field	ementation Schedule (Number of c Work Start-Up: 7/9/2015		Field Work Completion: 8/9/2015	
Repo	rt Submittal: 9/9/2015		# of Copies Provided to Property Owners:	
-	fer Characterization ⊃ Test: □ Slug Test: □ (Check c	one and pro	vide explanation below for choice)	
	tigation Derived Waste Disposal	Tons	Purge Water: 300.0	Gallons
Drillin	g Fluids:	Gallons	Free-Phase Product:	Gallons
For execution event -During sample -All ot	, etc. g the initial site visit, monitoring well MW led accordingly. her wells were found to be in good condi	ls to be aba /-28 was not	andoned/repaired, well pads/bolts/caps to replace, details located. If this well is located during sampling activities, it will be purged prior to sample collection.	
Yes	Name of Laboratory:	(Yes/No)	If no, indicate laboratory information below.	
	Name of Well Driller:SCLLR Certification Number:			
<u>No</u> (Other variations from ACQAP. Pleas	e describe l	below.	
				
	nments Attach a copy of the relevant portion	on of the US	SGS topographic map showing the site location.	-
2.	must include the following: North Arrow Location of property lines Location of buildings Previous soil sampling locations Previous monitoring well locations Proposed soil boring locations	Proposed Legend w Streets or Location of	accurately scaled, but does not need to be surveyed. The monitoring well locations with facility name and address, UST permit number, and highways (indicate names and numbers) of all present and former ASTs and USTs of all potential receptors	•



ASSESSMENT COMPONENT INVOICE SOUTH CAROLINA

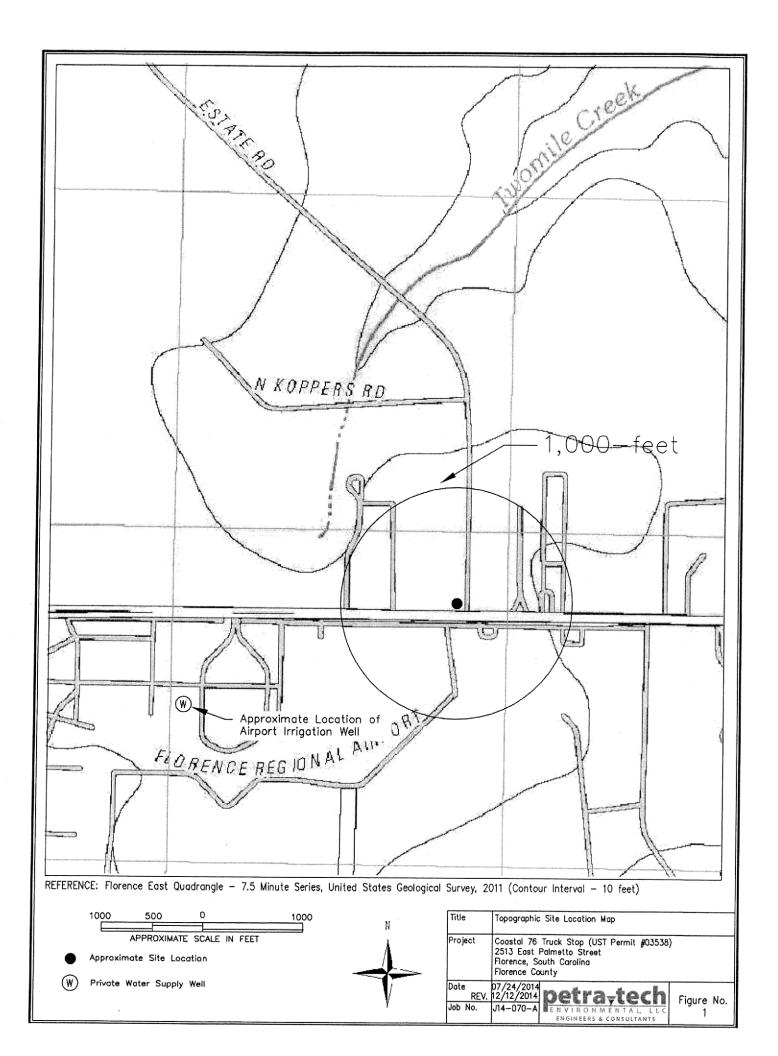
Department of Health and Environmental Control Underground Storage Tank Management Division State Underground Petroleum Environmental Response Bank Account

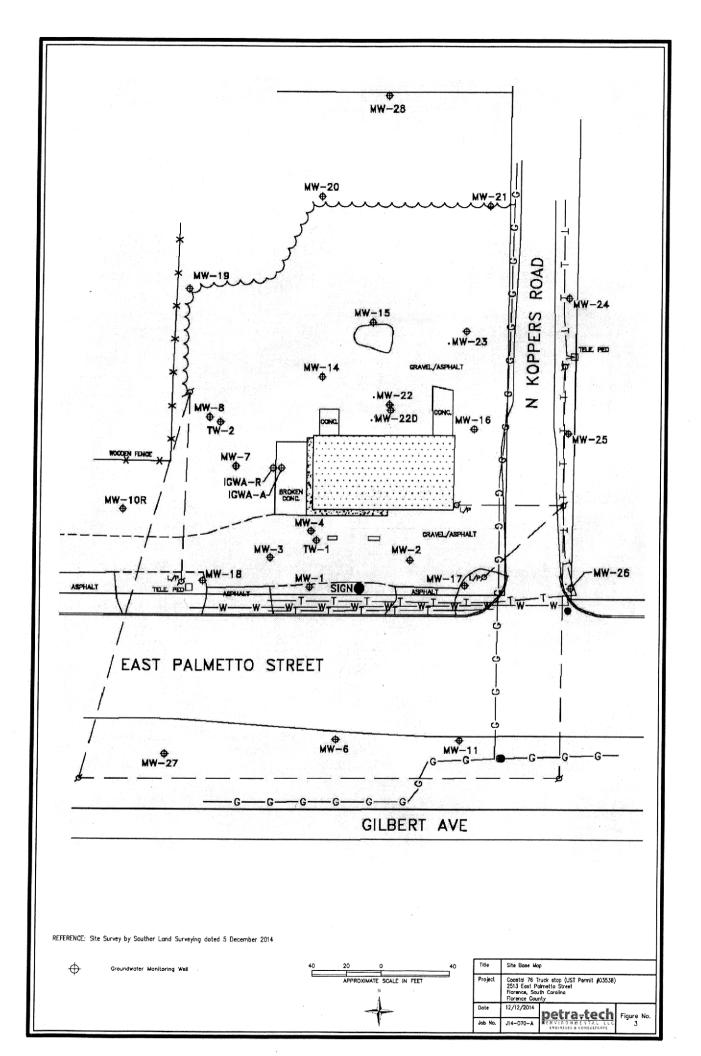
CONTRACT PO NUMBER 4600422513

Facility Name:

Coastal 76 Truck Stop

Coastal 70 Truck Stop			_		
UST Permit #: <u>03538</u>	Cost Ag	greement #:	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				031313	
B1. Personnel	2	each	\$350.00		\$700.00
10. Groundwater Sample Collection / Gauge	Depth to Water o	r Product (Each)		(数2) 18 (4)	
A1. Groundwater Purge	29	per well	\$16.00	1.446	\$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	-, 18.33	\$0.00
F1. Sample Below Product		per well	\$0.00	e talas	\$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 co	ontainer(s)			11111	
23. D. Site Reconnaissance		each	\$0.00		\$0.00
18. Miscellaneous (attach receipts)			\		
GW Contour Map		each	\$25.00		\$0.00
lsopleth 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	r Francis Garage	\$0:00
D1. Replace Well Vault		each	\$75.00		\$0.00
E. Replace well cover		each	\$25.00	ng engage	\$0.00
F1. Replace well cover bolts		each	\$2.60		\$0.00
G. Replace locking well cap & lock		each	\$15.00	2.00	\$0.00
K1. Replace Missing Well ID Plate		each	\$10.00	er. 10, 5	\$0.00
TOTAL					\$1,484.00







Catherine E. Heigel, Director

Promoting and protecting the health of the public and the environment

AUG 0 6 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:

Task / Description	<u>Categories</u>	Item Description	Qty / Pct	Unit Price	<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 Amou	ınt	1,203.00

August 5, 2015

Page 1 of 1

suprcalt.rdf

Rev: 1.15

Approved Cost Agreement 50648

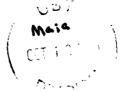
Facility: 03538 COASTAL 76 TRUCK STOP

MILENKMP PO Number:

Task / Description Categories	Item Description	Qty / Pct	<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

August 5, 2015 Page 1 of 1 suprcalt.rdf Rev: 1.15



September 28, 2015

Midlands Environmental Consultants, Inc.

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



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

Post Office Box 854, Lexington SC 29071 • 231 Dooley Road, Lexington, SC 29073
Telephone: (803) 808-2043 • fax: (803) 808-2048

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	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
								An	alyte Sa	mpled				
IGWA	X				X	X	X	X			_			
IGWA-R				X										
MW-1	X				X	X	X	X						
MW-2	X	Ī			X	X	Х	X						
MW-3	X				X	X	X	X					_	
MW-4	X				X	X	X	X						
MW-5				X										
MW-6	X				Х	X	X	X			-			
MW-7	X				X	X	X	X						
MW-8	X				X	X	Х	X						
MW-9				X	7-									
MW-10				X										
MW-10R	Х		İ		X	X	X	X						
MW-11	Х				X	X	X	X						
MW-14	X				X	X	X	Х						
MW-15	X				X	X	X	X		1000				

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 \$250-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 \$270)	Ferrous Iron (Field Test)
	<u> </u>								alyte Sa	mpled_				
MW-16	X	<u> </u>			X	X	X	X						
MW-17	X		ļ		X	X	X	X						
MW-18	X				X	X	X	X	L 1					
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	Х	X						
MW-23		X			X	X	X	X			-"-			
MW-24			X		1	-				-				
MW-25			X							-				
MW-26		X			X	Х	X	Х						
MW-27		X			X	X	X	X				-		
MW-28	X				X	X	X	X				,		-
TW-1	X				X	X	Х	X						
TW-2	X				X	X	Х	X						
IGWA Dup.					X	X	$\overline{\mathbf{x}}$	X						
MW-7 Dup.				\neg	X	X	X	X						
Field Blank			ľ		X	X	X	X						
Trip Blank					X		Х	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

Attachments:

Contractor Checklist

Item#	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	Х		
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?	х		
7	Has the facility history been summarized?	х		
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	х		
21	Have the groundwater sampling dates and groundwater measurements been provided? See attached Site Activity Summary Sheet	х		
22	Has the purging methodology been detailed? See MECI SOP	Х		
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	х		
24	If free-product is present, has the thickness been provided? See attached Site Activity Summary Sheets	Х		
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?			х
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)	 	<u> </u>	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?			$\frac{1}{x}$
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			Х
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)	Х		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)			Х
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)			Х
43	Has the site survey been provided and include all necessary elements? (Appendix A)			Х
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	Х		
45	Is the laboratory performing the analyses properly certified?	х	-	
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)			Х
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			Х
50	Have the disposal manifests been provided? See attached	Х		
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?	Х		

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	Υ	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 Odoe, Sheen
MW-19	Υ	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
M W-26	Υ	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	Υ	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	Υ	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
								_ _		
					1					
——————————————————————————————————————										
					,					
							<u> </u>		20.50	TOTAL GALLONS PURGED

Date:	8/31/2015	Site ID #:	0:	3538	Site Name:	Coastal 76	3 Truck Stop	Field Personnel:	T. Elder A	Best, P. Wylie
County:	Anderson	Project Manager:	М. М	lenkova	General Weather Conditions:	Ove	ercast	Ambient Air Temp (°F)	-	77
				1	Quality Assurance			and the second		
Met	er Name	Ser	al #:				Calibration:			
SI Pro1030 (pH, Spe	cific Conductivity, Temp.)	15H1	01448	pH 4.0; Yor N	Υ	ρΗ 7.0: Y or N	Υ	pH 10.0: Y or N	Y	S.C.: Y or
YSI Pro 20 (D	lissolved Oxygen)	12G1	02878	Yor N	Y					
MicroTPI/T	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y	
					Well Information		NAME OF THE OWNER.	7-17		
W	/ell ID:	IG	WA	Conversion Factor (neter (ft.): C): 1" well = 0.047, 2" " well = 0.652	0.1	163	Method of Purging/Sample Collection	В	ailer
Sample Type: (i.e	e. MW, IW, RW, WSW)	М	w	Screened I	nterval (ft.):	N	/A	Total Well Depth (TWD) (ft.):	16	5.74
Depth to Free I	Depth to Free Product (DFP) (ft.):		D	Depth to Ground	water (DGW) (ft.):	13	.78	Free Product Thickness (ft.):	Not D	etected
	water column /D – DGW) (ft.):	2.	96	1 casing volume (C)	V = LWC x C) (gals.):	0.	48	5 casing volumes (5 x CV) (gals.):	2	.41
					Purging Data					14.
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
	/olume 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		
Spe	ecific Conductivity (µS/cn	1)	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		
D	hissolved Oxygen (mg/L)		1.84	1.91	2.06	2.15	2.28	2.34		
	Turbidity (NTU)		Sheen	Sheen					1.	
		A TOTAL STREET, STREET			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
25;					Odor; Light Sheen					
_										

	Anderson Name	Project Manager:		3538	Site Name:	Coastal /	Truck Stop	Field Personnel:	 T. Elder, A. 	Rest P White
Meter		Project manager:	ger: M. Milenkova		General Weather				nnel: T. Elder, A. Best, P. V	
il Pro1030 (pH, Specii	Name		Control of the Contro	IIIEIIKUVA	Conditions:	Ove	ercast	Ambient Air Temp (°F):		77
il Pro1030 (pH, Specii	Name				Quality Assurance					
		Sei	ial #:				Calibration:			
YSI Pro 20 (Dis.	fic Conductivity, Temp.)	15H	01448	pH 4.0: Y or N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor
	solved Oxygen)	12G	02878	Y or N	Y		•			
MicroTPI/TPI	W (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y	
					Well Information					
Well	ID:	M	W-1	Conversion Factor (meter (ft.): 'C): 1" well = 0.047, 2" 4" well = 0.652	0,1	163	Method of Purging/Sample Collection	В	iller
Sample Type: (i.e. M	IW, IW, RW, WSW)	N	IW .	Screened i	Interval (ft.):	N	/A	Total Well Depth (TWD) (ft.):	1	7.8
Depth to Free Pro		١	ID	Depth to Ground	lwater (DGW) (ft.):	12	.31	Free Product Thickness (ft.):	Not D	etected
Length of wa (LWC = TWD	nter column – DGW) (ft.):	5.	49	1 casing volume (C	V = LWC x C) (gals.):	0.0	89	5 casing volumes (5 x CV) (gals.):	4	47
					Purging Data					
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampi
Vol	lume Purged (gallons)		0.00	0.89	1.79	2.68	3.58	4.47		
	Time (military)		13:04	13:05	13:06	13:07				
	PH (s.u.)		5.76	5.82	5.89	5.93	-			
Speci	fic Conductivity (μS/cm)	174.8	187.2	195.1	202.3				
We	nter Temperature (°C)		21.7	21.7	21.7	21.7				
Dis	solved Oxygen (mg/L)		3.02	3.13	3.21	3.28				
	Turbidity (NTU)		116.3	128.4	140.6	153.2				
		No. of the state of			Sampling Data				9 20 20 20 20 20 20 20	
Sampled By:	T. Elder, A. Best, I	P. Wylie	Sampling Time:	13:07	Duplicate: Y or N	N-	If yes, Duplicate Time:	N/A	Total Gallons Purged:	3.00
s:					Odor, Dry @ 3.00 Gall	ons				

Date:	8/31/2015	Site ID #:	0	3538	Site Name:	Coastal 76	5 Truck Stop	Field Personnel:	T. Elder, A.	Best, P. Wylie
County:	Anderson	Project Manager:	М. М	lilenkova	General Weather Conditions:	Ove	ercast	Ambient Air Temp (°F)	:	77
					Quality Assurance	200				
Mete	er Name	Ser	ial #:				Calibration:			
/SI Pro1030 (pH, Spec	cific Conductivity, Temp.)	15H1	101448	pH 4.0: Y or N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor
YSI Pro 20 (Di	ssolved Oxygen)	12G1	102878	Y or N	Y					N
MicroTPI/TI	PW (Turbidity)	2013	01183	0.0 NTU: Yor N	Υ,	1.0 NTU: Yor N	Y	10.0 NTU; Yor N	Y	Г
					Well Information					
We	ell ID:	M	W-2	Conversion Factor (meter (ft.): (C): 1" well = 0.047, 2" 4" well = 0.652	0.	163	Method of Purging/Sample Collection	B:	ailer
Sample Type: (i.e.	MW, IW, RW, WSW)	M	tw .	Screened I	Interval (ft.):	N	l/A	Total Well Depth (TWD) (ft.):	18.3	
	Depth to Free Product (DFP) (ft.): Length of water column		ID	Depth to Ground	lwater (DGW) (ft.):	12	.17	Free Product Thickness (ft.):	Not D	etected
Length of w (LWC = TWL	vater column D – DGW) (ft.):	6.	13	1 casing volume (C	V = LWC x C) (gals.):	1.	00	5 casing volumes (5 x CV) (gals.):	5	.00
ATAMEN TO SERVE				t e	Purging Data	3000	Let's He y		CHARLES ENGLISHED	
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampl
v	olume 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	8.45				
Spec	cific Conductivity (μS/cπ	7)	84.3	93.6	105.1	117.0				
и	Vater Temperature (°C)		20.8	20.8	20.8	20.8				
Di	ssolved 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. Wylle	Sampling Time:	12:42	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	3.00
es:					Odor, Dry @ 3.00 Gall	ons				
_										
_										

Date:	8/31/2015	Site ID #:		3538	Site Name:	Coastal 7	6 Truck Stop	Field Personnel:	T. Elder A	Best, P. Wyli
County:	Anderson	Project Manager:	M. M	ilenkova	General Weather Conditions:	Ow	ercast	Ambient Air Temp (°F)		
2 270			NEW TOWNS		Quality Assurance			Anwent Au Temp (-7)	-	77
M	leter Name	Ser	ial #:				Calibration:			
YSI Pro1030 (pH, S	pecific Conductivity, Temp.)	15H1	01448	pH 4.0: Y or N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Υ Υ	S.C.: Yor
YSI Pro 20	(Dissolved Oxygen)	12G1	02878	Yor N	Y			p. 10.0. 1 01 11	'	N
MicroTP	I/TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Y	1
				TO KNEED OF ALL	Well Information			TOTAL TOTAL	ľ	
	Well ID:	M	W-3	Conversion Factor (neter (ft.); C): 1" well = 0.047, 2" I" well = 0.652	0.163		Method of Purging/Sample Collection	В	ailer
Sample Type: (Sample Type: (i.e. MW, IW, RW, WSW) Depth to Free Product (DFP) (ft.):		lw .	Screened I	nterval (ft.):	. N	I/A	Total Well Depth (TWD) (ft.):	1	8.2
			ID	Depth to Ground	water (DGW) (ft.):	12.06		Free Product Thickness (ft.): Not Detecte		elected
Length of	Length of water column (LWC = TWD - DGW) (ft.):		14	1 casing volume (C)	V = 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	Samp
	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				
Sį	pecific Conductivity (μS/cn	n)	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				
A Part of States					Sampling Data					
Sampled By:	T. Elder, A. Best,	, P. Wylie	Sampling Time:	13:13	Duplicate: Y or N	, N ²	If yes, Duplicate Time:	N/A	Total Gallons Purged:	3.00
tes:										

O-4-			T							
Date:	8/31/2015	Site ID #:	0	3538	Site Name:	Coastal 76	3 Truck Stop	Field Personnel:	T. Elder, A.	Best, P. Wylie
County:	Anderson	Project Manager:	М. М	ilenkova	General Weather Conditions:	Ove	ercast	Ambient Air Temp (°F):	-	77
					Quality Assurance					
M	leter Name	Sei	ial #:				Calibration:			
SI Pro1030 (pH, S	pecific Conductivity, Temp.)	15H	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor
YSI Pro 20	(Dissolved Oxygen)	12G	02878	Yor N	Y					N
MicroTP	V/TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Y	
					Well Information					
	Well ID:	M	W-4	Conversion Factor (meter (ft.): C): 1" well = 0.047, 2" i" well = 0.652	0.	163	Method of Purging/Sample Collection	Ва	ailer
Sample Type: (Depth to Free Product (DEP) (#)-		īw	Screened	Interval (ft.):	N/A		Total Well Depth (TWD) (ft.):	18	3.35
	Depth to Free Product (DFP) (ft.):		ID	Depth to Ground	water (DGW) (ft.):	12.24		Free Product Thickness (ft.):	Not D	elected
Length ((LWC = 1	of water column TWD – DGW) (ft.);	6	11	1 casing volume (C	V = LWC x C) (gals.);	1.	00	5 casing volumes (5 x CV) (gals.):	4.	.98
17 32					Purging Data				region access to the	
			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				
S	pecific Conductivity (µS/cn	1)	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	100				
Sampled By:	T. Elder, A. Best,	P. Wylie	Sampling Time:	13:13	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	3.00
es:					Odor, Dry @ 3.00 Gall	ons				
						:				

One: 0x310015 Site Date: Occasion Processing											
Conditions	Date:	8/31/2015	Site ID #:	0	3538	Site Name:	Coastal 7	6 Truck Stop	Field Personnel:	T. Elder, A.	Best, P. Wylie
Serial R	County:	Anderson	Project Manager:	М. М	ilenkova		Ov	ercast	Ambient Air Temp (°F)	:	77
Table Tab						Quality Assurance				HISTORY AND SECURITY	
YSI Pro 20 (Dissolved Crygen) 12G102678 Yor N Y 1.5 NTU: Yor N Y 1.0 NTU: Yor N Y No NTU: Yor N Y NO NTU: Yor N Y NO NTU: Yor N Y NO NTU: Yor N Y NO NTU: Yor N Y NO NTU: Yor N Y NO NTU: Yor N Y NO NTU: Yor N Y NO NTU: Yor N Y NO NTU: Yor N Y NO NTU: Yor N Y NO NTU: Yor N Y NO NTU: Yor N Y NO NTU: Yor NTU: Yor N Y NO NTU: Yor	Me	eter Name	Ser	ial #:				Calibration:			
YS Pro 20 (DisSolved Cayygen) 126102878	YSI Pro1030 (pH, Sp	pecific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	
No No No No No No No No	YSI Pro 20 (Dissolved Oxygen)	12G1	02878	Yor N	. А					N
Medical Med	MicroTPI	TPW (Turbidity)	2013	D1183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Y	
Meal D: MN+6 Conversion Factor (C): 1" well = 0.047, 2" well = 0.047, 2" well = 0.047, 2" well = 0.047, 2" well = 0.048, 2" well = 0.168, 4" well = 0.168, 4" well = 0.168, 4" well = 0.048, 2" well = 0.168, 4" well = 0.047, 2" well = 0.168, 4" well = 0.047, 2" well = 0.168, 4" well = 0.047, 2" well = 0.168, 4" well = 0.047, 2" well = 0.168, 4" well = 0.047, 2" well = 0.168, 4" well = 0.168, 4" well = 0.168, 4" well = 0.168, 4" well = 0.047, 2" well = 0.168, 4" well = 0.168, 4" well = 0.168, 4" well = 0.047, 2" well = 0.168, 4" well = 0.168, 4" well = 0.168, 4" well = 0.168, 4" well = 0.168, 4" well = 0.168, 4" well = 0.168, 4" well = 0.168, 4" well = 0.168, 4" well = 0.168, 4" well = 0.047, 4" well = 0.04						Well Information					
Depth to Free Product (DFP) (It.): ND Depth to Groundwater (DGW) (It.): 12.54 Free Product Thickness (It.): Not Detected		Well ID:	M	N-6	Conversion Factor (C): 1" well = 0.047, 2"	0.	163	Purging/Sample	В	ailer
Length of water column (LWC = TWD - DGW) (rt.): 5.75 1 casing volume (CV = LWC x C) (gals.): 0.94 5 casing volumes (6 x eV) (gals.): x eV) (gals.):	Sample Type: (i.	.e. MW, IW, RW, WSW)	N	IW	Screened i	Interval (ft.):	N	WA.		18	3.29
Classing volume (CV = LWC x C) (gals.): 0.94 5 casing volumes (5 x CV) (gals.): 4.69				ID	Depth to Ground	water (DGW) (ft.):		2.54		Not D	elected
Initial 1st Vol. 2nd Vol. 3rd Vol. 4th Vol. 5th Vol. Post Sampling Data 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	Length o (LWC = T	f water column WD – DGW) (ft.):	5.	75	1 casing volume (C	V = LWC x C) (gals.):	0.	94		4	.69
Volume Purged (gallons) 0.00 0.94 1.87 2.81 3.75 4.69 Sampling Data Time (military) 11:21 11:23 11:25 11:27						Purging Data					
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) 284 2.89 2.96 3.03 Turbidity (NTU) 173.9 180.4 185.1 193.7 Sampled By: T. Elder, A. Bost, P. Wylie Sampling Time: 11:27 Duplicate: Y or N N If yes, Duplicate Time: N/A Total Gallons Purged: 3.00				Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
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 Sampled By: T. Elder, A. Best, P. Wylie Sampling Time: 11:27 Duplicate: Y or N N 1 If yes, Duplicate Time: N/A Total Gallons Purged: 3.00		Volume Purged (gallons)		0.00	0.94	1.87	2.81	3.75	4.69		
Specific Conductivity (µS/cm) 108.2 116.1 122.7 129.3		Time (military)		11:21	11:23	11:25	11:27				
Water Temperature (°C) 20.5 20.		PH (s.u.)		6.21	6,29	6.35	6.40				
Dissolved Oxygen (mg/L) 2.84 2.89 2.96 3.03	Sp	ecific Conductivity (μS/cn	")	108.2	116.1	122.7	129.3				
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 oftes:		Water Temperature (°C)		20.5	20.5	20.5	20.5				
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 otes:		Dissolved Oxygen (mg/L)		2.84	2.89	2.96	3.03				
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		Turbidity (NTU)		173.9	180.4	185.1	193.7				
otes: Duplicate: Y of N N Time: N/A Total Gallons Purged: 3.00						Sampling Data					
No Odor, Dry @ 3.00 Gallons		T. Elder, A. Best,	P. Wylie	Sampling Time:	11:27	Duplicate: Y or N	N		N/A	Total Gallons Purged:	3.00
	ites:					No Odor, Dry @ 3.00 G	illons				
							-				

Date:	8/31/2015	Site ID #;	0.	3538	Site Name:	Coastal 7	3 Truck Stop	Field Personnel:	T. Fider A.	Best, P. Wyli	io
County:	Anderson	Project Manager:	М. М	ilenkova	General Weather	Ow	ercast	Ambient Air Temp (°F)			-
					Conditions: Quality Assurance			Ambient Air Temp (*F)		77	
	oter Name	Ser	ial #:		quality resourance		Calibration:				
YSI Pro1030 (pH, Sp	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Y or N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor	Γ,
YSI Pro 20 (Dissolved Oxygen)	12G1	02878	Yor N	Y	,		pri 10.0. 1 01 14	1	N	
MicroTPL	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Υ		
					Well Information			10.0 N10. 101 N	Y		
	Well ID:	M	N-7	Conversion Factor (neter (ft.): C): 1" well = 0.047, 2" " well = 0.652	0.	163	Method of Purging/Sample Collection	В	ailer	
Sample Type: (f	.e. MW, IW, RW, WSW)	м	W	Screened I.	nterval (ft.):	N	/A	Total Well Depth (TWD) (ft.):	18.29		
Depth to Free	Product (DFP) (ft.);	N	D	Depth to Ground	water (DGW) (ft.):	11	15 Free Product Thickness (ft.):		Not Detected		
Length o (LWC = T	Length of water column (LWC = TWD - DGW) (ft.): 7.			1 casing volume (C)	/ = LWC x C) (gals.):	1.	16	5 casing volumes (5 x CV) (gals.);	5	.82	
					Purging Data		7-7-450-0-4-0-70				
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Samp	oling
	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					
Sp	ecific Conductivity (μS/cr	n)	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						20.17
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	0
tes:				Od	or; Sheen; Dry @ 3.50	Gallons					

Date:	8/31/2015	Site ID #:	0	3538	Site Name:	Coastal 76	3 Truck Stop	Field Personnel:	T. Elder, A.	Best, P. Wylie	8
County:	Anderson	Project Manager:	М. М	ilenkova	General Weather Conditions:	Ove	ercast	Ambient Air Temp (°F)		77	
					Quality Assurance						
Ме	ter Name	Ser	ial #:				Calibration:				
SI Pro1030 (pH, Spe	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0; Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor	
YSI Pro 20 (L	Dissolved Oxygen)	12G1	02878	Y or N	Y	` '				N	
MicroTPI/	TPW (Turbidity)	2013	D1183	0.0 NTU: Yor N	Y	1.0 NTU: Y or N	Y	10,0 NTU: Yor N	Y		
					Well Information	Mark of the control of					- CF 10
И	Vell ID:	MV	V-8	Conversion Factor (meter (ft.): C): 1" well = 0.047, 2" I" well = 0.652	0.1	163	Method of Purging/Sample Collection	Ва	ailer	
Sample Type: (i.e	e. MW, IW, RW, WSW)	М	w	Screened I	nterval (ft.):	N/A		Total Well Depth (TWD) (ft.):	18.38		
Depth to Free	Depth to Free Product (DFP) (ft.):		D	Depth to Ground	water (DGW) (ft.):	10	.32	Free Product Thickness (ft.):	Not D	etected	
Length of (LWC = TV	water column VD – DGW) (ft.):	8.0	06	1 casing volume (C	V = LWC x C) (gals.):	1.	31	5 casing volumes (5 x CV) (gals.):	6.	57	
					Purging Data		Contract to				
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampl	ling
	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					
Spe	ecific Conductivity (µS/cn	n)	130.7	135.4	141.2	148.6					
	Water Temperature (°C)		21.3	21.3	21.3	21.3					
	issolved 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	,
es: -					No Odor, Dry @ 4.00 Ga	llons					_
-											

	T				_						
Date:	8/31/2015	Site ID #;	,0	3538	Site Name:	Coastal 7	6 Truck Stop	Field Personnel:	T. Elder, A.	Best, P. Wylie	,
County:	Anderson	Project Manager:	M. M	Nienkova	General Weather Conditions:	Ov	ercast	Ambient Air Temp (*F)	:	77	
				y e	Quality Assurance		es sentence de la				190,6
Me	ter Name	Sei	ial #:				Calibration:				
SI Pro1030 (pH, Sp	ecific Conductivity, Temp.)	15H	101448	pH 4.0: Y or N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor	
YSI Pro 20 (L	Dissolved Oxygen)	12G	102878	Yor N	Y					N	-
MicroTP!/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	. Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Y		_
Winds RESE		Teacher water			Well Information			Salata Massala sya			
И	Vell ID:	MW	1-10R	Conversion Factor	meter (ft.): (C): 1" well = 0.047, 2" 4" well = 0.652	0.	163	Method of Purging/Sample Collection	В	aller	265
Sample Type: (i.	e. MW, IW, RW, WSW)	N	IW	Screened	Interval (ft.):	1.61	-11.61	Total Well Depth (TWD) (ft.):	11	1.61	
Depth to Free	Depth to Free Product (DFP) (ft.):		ID	Depth to Ground	dwater (DGW) (ft.):	10	0.29	Free Product Thickness (ft.):	Not Detected		
	water column VD – DGW) (ft.):	1.	32	1 casing volume (CV =		0.	22	5 casing volumes (5 x CV) (gals.);	1.	.08	
					Purging Data				4:35 J. 21 S. 25 J. 25 E. 1	Mary and the	
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampli	ing
	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			
Spe	ecific Conductivity (µS/cn	7)	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: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	1.25	
es:					No Odor						_
-											
_											

Date:	8/31/2015	Site ID #;	0	3538	Site Name:	*Coastal 76	Truck Stop	Field Personnel:	T, Elder, A.	Best, P. Wylie	
County:	Anderson	Project Manager:	M. N	lijenkova	General Weather Conditions:	Ove	ercast	Ambient Air Temp (°F)		77	
					Quality Assurance				`		
Me	ter Name	Seri	al II:				Calibration:				
SI Pro1030 (pH, Sp	ecific Conductivity, Temp.)	15H1	01448	pH 4.0; Y or N	Y	pH 7.0; Y or N	Y	pH 10.0; Y or N	Y	S.C.: Yor	
YSI Pro 20 (Dissolved Oxygen)	12G1	02878	Y or N	Υ					N	
MicroTPL	TPW (Turbidity)	20130	01183	0.0 NTU: Yor N	Υ	1.0 NTU: Y or N	Y	10.0 NTU: Yor N	Y		
					Well Information	4 1000					deser
1	Vell ID:	MW	J-11	Conversion Factor (neter (ft.): C): 1" well = 0.047, 2" I" well = 0.652	0.1	163	Method of Purging/Sample Collection	В	ailer	
Sample Type: (i.	e. MW, IW, RW, WSW)	M	w	Screened I	interval (ft.):	8.42-	18.42	Total Well Depth (TWD) (ft.);	18.42		
	Depth to Free Product (DFP) (ft.):		D	Depth to Ground	water (DGW) (ft.):	13	69	Free Product Thickness (ft.): Not		ot Detected	
Length of water column (LWC = TWD - DGW) (ft.);			4.73 1 casing volume (CV		V = LWC x C) (gals.):	0.	77	5 casing volumes (5 x CV) (gals.):	3	.85	
					Purging Data					Harris La	Br.
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampl	ling
	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					
Sp	ecific Conductivity (μS/cπ)	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					for such that	fest)
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	
s:					No Odor, Dry @ 3.00 Ga	lions					_

Date:	8/31/2015	Site ID #:		3538							
County:					Site Name:	Coastal 76	8 Truck Stop	Field Personnel:	T. Elder, A.	Best, P. Wytie	9
County:	Anderson	Project Manager:	M. M	ilenkova	General Weather Conditions:	Ove	ercast	Ambient Air Temp (°F)		77	
		l e	The state of the s		Quality Assurance						
	ter Name	Sen	al #:				Calibration:				
YSI Pro1030 (pH, Spe	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Y or N	Y	pH 7.0: Y or N	Y	pH 10.0; Y or N	Y	S.C.: Yor	Y
YSI Pro 20 (D	Dissolved Oxygen)	12G1	02878	Yor N	Y					, ,	
MicroTPI/7	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	. Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y		
2012					Well Information						
w	/ell ID;	MV	<i>I</i> -14	Conversion Factor (neter (ft.): C): 1" well = 0.047, 2" " well = 0.652	0.	163	Method of Purging/Sample Collection	Bi	ailer	
Sample Type: (i.e	. MW, IW, RW, WSW)	М	w	Screened I	nterval (ft.):	8.29	18.29	Total Well Depth (TWD) (ft.):	16	3.29	
	Product (DFP) (ft.):	N	D	Depth to Ground	water (DGW) (ft.):	13	.11	Free Product Thickness (ft.):		Not Detected	
	water column /D – DGW) (ft.):	5.	18	1 casing volume (C)	/ = LWC x C) (gals.);	0.	84	5 casing volumes (5 x CV) (gals.);	4	22	
	Edition of the section of				Purging Data						
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Samp	ling
V	/olume 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						
Spe	ecific Conductivity (µS/cn	n)	117	125.3	129.7						
	Water Temperature (°C)		21.0	21.0	21.0					-	
D	issolved Oxygen (mg/L)		2.31	2.39	2.43						
	Turbidity (NTU)		164.7	181,3	195.8						
					Sampling Data						ALIEN META
Sampled By:	T. Elder, A. Best,	P. Wylie	Sampling Time:	11:23	Duplicate: Y or N	Ņ.	If yes, Duplicate Time:	N/A	Total Gallons Purged:	2.50	
tes:				- 1	No Odor, Dry @ 2.50 Ga	llons					
_				:		-				_	
_											

County:	Anderson				Site Name:	Coastal /	3 Truck Stop	Field Personnel:	T. Elder. A.	Best, P. Wylie	a
Mete		Project Manager:	М. М	ilenkova	General Weather Conditions:	Ow	ercast	Ambient Air Temp (°F)		77	
Mete					Quality Assurance				1		0.000
	er Name	Seri	'al #:				Calibration:				
31 Pro1030 (pH, Spec	cific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Y	pH 10.0; Y or N	Y	S.C.: Yor	
YSI Pro 20 (DI	ssolved Oxygen)	12G1	02878	Yor N	Y					N	
MicroTPI/TI	PW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y		
				Well Information							
We	ell ID:	MW	/-15 Well Diamei Conversion Factor (C): well = 0.16, 4" v		C): 1" well = 0.047, 2"	0.163		Method of Purging/Sample Collection	В	ailer	E 120
Sample Type: (i.e.	mple Type: (i.e. MW, IW, RW, WSW)		MW		Screened Interval (ft.):		10.00-20.00			20	
	pth to Free Product (DFP) (ft.):		D	Depth to Ground	water (DGW) (ft.):	12	.32	Free Product Thickness (ft.):	Not Detected		
	Length of water column (LWC = TWD - DGW) (ft.):		7.68 1 casing volume (CV =		V = LWC x C) (gals.);	. 1.	25	5 casing volumes (5 x CV) (gals.):	6.26		
					Purging Data			Terre			
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampl	ing
Ve	olume Purged (gallons)		0.00	1.25	2.50	3.76	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					
Spec	cific Conductivity (µS/cm)	86.1	90.5	94.7	98.3					
и	Vater Temperature (°C)		21.5	21,5	21.5	21.5					_
Dis	ssolved Oxygen (mg/L)		2.8	2.86	2.92	2.95					
	Turbidity (NTU)		106.3	117.4	129.8	141.4					_
					Sampling Data					1982 VALUE	
Sampled By:	T. Elder, A. Best,	P. Wylie	Sampling Time:	10:44	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	4.00	25.700
s:		-		N	No Odor, Dry @ 4.00 Ga	allons					
_											

Date:	8/31/2015	Site ID #:	T .	2500	T						
			, a	3538	Site Name:	Coastal 76	6 Truck Stop	Field Personnel:	T. Elder, A.	Best, P. Wylie	Ð
County:	Anderson	Project Manager:	М. М	ilenkova	General Weather Conditions:	Ove	ercast	Ambient Air Temp (°F)	:	77	
				1	Quality Assurance						10 153
Me	ter Name	Ser	ial #:				Calibration:				
YSI Pro1030 (pH, Sp	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Υ Υ	pH 10.0: Y or N	Y	S.C.: Yor	Y
YSI Pro 20 (I	Dissolved Oxygen)	12G1	02878	Yor N	Y			1		N	
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Y		
					Well Information			Transfer over the		06/100-100	
И	Vell ID:	MV	V-16	Conversion Factor (meter (ft.): C): 1" well = 0,047, 2" I" well = 0,652	0.	163	Method of Purging/Sample Collection	В	ailer	
Sample Type: (i.	e. MW, IW, RW, WSW)	N	MW Screened Interv		Interval (ft.):	11.00-21.00		Total Well Depth (TWD) (ft.):		21	
	Depth to Free Product (DFP) (ft.): Length of water column		ND Depth to Groundwate		lwater (DGW) (ft.):	14.48		Free Product Thickness (ft.):	Not Detected		
Length of (LWC = TV	water column VD – DGW) (ft.):	6.	6.52 1 casing volume (CV =		V = 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	Samp	ling
	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					
Spe	ecific Conductivity (μS/cn	n)	100.6	109.3	117,4	124.1					
	Water Temperature (°C)		20.3	20.3	20.3	20.3					
C	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: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	4.00	,
tes:					No Odor, Dry @ 4.00 Ga	llons					
-											
-											
										_	

Date:	8/31/2015	Site ID #:	0	3538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	T 514- 4	David Process
County:	Anderson	Project Manager:		llenkova	General Weather					Best, P. Wylie
			IVI. IV	iletikova	Conditions:	Ove	ercast	Ambient Air Temp (°F).	:	77
Mo	ter Name	_			Quality Assurance					
		Ser	ial #:				Calibration:			
SI Pro1030 (pH, Sp	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0; Yor N	Y	pH 10.0: Y or N	Y	S.C.: Y or
YSI Pro 20 (I	Dissolved Oxygen)	12G1	02878	Y or N	Y					
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y	
					Well Information			1960 - 1960 - 1960		
, v	Vell ID:	MV	V-17	Conversion Factor (meter (ft.); C): 1" well = 0.047, 2" f" well = 0.652	0,1	63	Method of Purging/Sample Collection	Ва	ailer
Sample Type: (i.	Sample Type: (i.e. MW, IW, RW, WSW) Depth to Free Product (DFP) (ft.):		ND C		Screened Interval (ft.): Depth to Groundwater (DGW) (ft.):		11.00-21.00		21	
							72	Free Product Thickness (ft.):	Not D	etected
Length of (LWC = TV	water column VD – DGW) (ft.):	9.	9.28 1 casing vote		casing volume (CV = LWC x C) (gals.):		1.51		7.56	
Trans.					Purging Data	1-1-		x CV) (gals.):		
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampl
	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.)		5.98	6.03	6.08	6.15				
Sp	ecific Conductivity (µS/cn	n)	104.6	119.1	128.4	134.0				
	Water Temperature (°C)		22.1	22.1	22.1	22.1				
L	Dissolved Oxygen (mg/L)		2.89	2.94	3.01	3.16				
	Turbidity (NTU)		133.2	140.6	153.2	164.5				
					Sampling Data					PC, GLOS TO
Sampled By:	T. Elder, A. Best,	P. Wylie	Sampling Time:	12:34	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged;	4.50
es:				S	light Odor, Dry @ 4.50 (Gallons				

Date:	8/31/2015	Site ID #;	0	3538	Site Name:	Coastal 7	6 Truck Stop	Field Personnel:	T Elder A	Best, P. Wylie	
County:	Anderson	Project Manager:	M. M	lilenkova	General Weather Conditions:		ercast	Ambient Air Temp (°F)		77	
					Quality Assurance	Section 1999	200	Time temp (1)		//	
Me	ter Name	Ser	ial #:				Calibration:				
'SI Pro1030 (pH, Sp	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Y or N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor	
YSI Pro 20 (L	Dissolved Oxygen)	12G1	02878	Y or N	Y	:				N	
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU; Y or N	Y		
The second				FASTER STATE OF THE STATE OF TH	Well Information		CO 100 M 100 M 100 M 100 M 100 M 100 M 100 M 100 M 100 M 100 M 100 M 100 M 100 M 100 M 100 M 100 M 100 M 100 M			NATIONAL PROPERTY.	
и	Vell ID:	MV	Well Diamet Conversion Factor (C): well = 0.16, 4" w		C): 1" well = 0.047, 2"	0.163		Method of Purging/Sample Collection	B	ailer	
Sample Type: (i.	Inple Type: (i.e. MW, IW, RW, WSW)		MW		Screened Interval (ft.):		-21.00	Total Well Depth (TWD) (ft.):		21	
	Depth to Free Product (DFP) (ft.):		D	Depth to Groundwa		rater (DGW) (ft.):		Free Product Thickness (ft.):	Not Detected		
	Length of water column (LWC = TWD - DGW) (ft.):			1 casing volume (CI	/ = LWC x C) (gals.):	1.	42	5 casing volumes (5 x CV) (gals.):	7.11		
4 2 2 3 3 3 3 5 5					Purging Data						15 S
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampl	ing
	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						
Spe	ecific Conductivity (µS/cn	n)	Sheen	Sheen	Sheen						
	Water Temperature (°C)		Sheen	Sheen	Sheen						
	lissolved Oxygen (mg/L)		Sheen	Sheen	Sheen						
	Turbidity (NTU)		Sheen	Sheen	Sheen						
					Sampling Data					2 10 10 10	1112
Sampled By: es:	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	Barrio Pilos
-				Od	or, Sheen, Dry @ 4.00	Gallons					
-											
-											

Date:	8/31/2015	Site ID #:		načene.		T					
				3538	Site Name:	Coastal 76	8 Truck Stop	Field Personnel:	T. Elder, A.	Best, P. Wylie	
County:	Anderson	Project Manager:	M. N	filenkova	General Weather Conditions:	Ove	ercast	Ambient Air Temp (°F)		77	
					Quality Assurance						
	ter Name	Seri	al #:				Calibration:				
il Pro1030 (pH, Spe	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor	
YSI Pro 20 (D	Dissolved Oxygen)	12G1	02878	Yor N	Y					N	
MicroTPI/T	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y		
ELLE CAMES					Well Information						
w	/ell ID:	MW	/-19	Conversion Factor	meter (ft.): (C): 1" well = 0.047, 2" 4" well = 0.652	0.1	163	Method of Purging/Sample Collection	Ва	aller	
Sample Type: (i.e	Sample Type: (i.e. MW, IW, RW, WSW)		MW		Screened Interval (ft.):		2.12-12.12		12.12		
Depth to Free Product (DFP) (ft.):		N	ND Depth to Groundwat		dwater (DGW) (ft.):	ater (DGW) (ft.): 10.74		Free Product Thickness (ft.):	Not Detected		
	water column /D – DGW) (ft.);	1.3	38	1 casing volume (CV = LWC x C) (gals.):		0.22		5 casing volumes (5 x CV) (gals.):	1.	1.12	
					Purging Data						
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampl	
V	/olume 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			
Spe	ecific Conductivity (µS/cm)	168,4	176.1	185.2	197.3	201.6	209.7			
	Water Temperature (°C)		20.3	20.3	20.3	20.3	20.3	20.3			
D	issolved 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: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	4.00	
s:					No Odor						
_											
_										-	

	8/31/2015	Site ID #;		03538	Site Name:	Coastal 7f	6 Truck Stop	Field Personnel:	T. Elder, A.	. Best, P. Wylie
County:	Anderson	Project Manager:	M. N	Milenkova	General Weather Conditions:	Ow	ercast	Ambient Air Tomp (°F):	<i>)</i> :	77
	以外,为 。				Quality Assurance			3 (A + 1) - 1 - 1		
	Weter Name	Seri	rial #:				Calibration:			ASSESSED FOR THE PARTY OF THE P
l Pro1030 (pH, S)	Specific Conductivity, Temp.)	15H1	101448	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
YSI Pro 20	(Dissolved Oxygen)	12G1	102878	Yor N	Y					N
MicroTP	PI/TPW (Turbidity)	2013	301183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y	
		ALC: NO.			Well Information			13.0	A CONTRACTOR OF THE PARTY OF TH	
Sample Type: (i.e. MW, IW, RW, WSW) Depth to Free Product (DEP) (6.1)		Miv	MW-20 Co		Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652 Screened Interval (ft.):		0.163 4.50-14.50		Ba	ailer
		м							10	14,5
Depth to Free Product (DFP) (ft.):		N'	ND	Depth to Groundwa		vater (DGW) (ft.): 11.8		Free Product Thickness (ft.):	Not Dr	Detected
Length o	of water column TWD – DGW) (ft.):	2.	2.7 1 casing volume (CV :		V = LWC x C) (gals.):	0.4	44	5 casing volumes (5 x CV) (gals.):	2.	2.20
					Purging Data			Service Description		
			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		1
St	pecific Conductivity (µS/cm	n)	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		1
	Turbidity (NTU)		93.09	106.4	112.7	118.3	125.1	130.6		1
					Sampling Data	A STATE OF THE STA				
Sampled By:	T. Elder, A. Best, I	P. Wylie	Sampling Time:	10:31	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	2.50
S:					No Odor					
			,							

Date:	0/04/0045				T						
	8/31/2015	Site ID #:	0	3538	Site Name:	Coastal 76	3 Truck Stop	Field Personnel:	T. Elder, A.	Best, P. Wylie	e
County:	Anderson	Project Manager:	М. м	ilenkova	General Weather Conditions:	Ove	ercast	Ambient Air Temp (°F)	:	77	
				d a	Quality Assurance						K 200
	ter Name	Seri	al #:				Calibration:				
YSI Pro1030 (pH, Sp	ecific Conductivity, Temp.)	- 15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Yor N	Υ	pH 10.0: Y or N	Y	S.C.: Yor	Υ
YSI Pro 20 (I	Dissolved Oxygen)	12G1	12G102878		Y					, n	
MicroTPI/	TPW (Turbidity)	20130	01183	0.0 NTU: Yor N	. Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Y		
					Well Information						Aleston and
V	Vell ID:	MW	<i>I-</i> 21	Conversion Factor (neter (ft.): C): 1" well = 0.047, 2" " well = 0.652	0.1	163	Method of Purging/Sample Collection	84	ailer	
Sample Type: (i.	e. MW, IW, RW, WSW)	M	w	Screened I	nterval (ft.):	2.75-	12.75	Total Well Depth (TWD) (ft.):	12	2.75	
	Depth to Free Product (DFP) (ft.): Length of water column		ND Depth to Groundwat		ater (DGW) (ft.):		.91	Free Product Thickness (ft.):	Not Detected		
Length of (LWC = TV	water column VD – DGW) (ft.):	1.8	1.84 1 casing volume (CV =		/ = LWC x C) (gals.):	0,30		5 casing volumes (5 x CV) (gals.):	1	.50	
				The state of the s	Purging Data						
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampi	ling
4	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					
Sp	ecific Conductivity (µS/cn	7)	90.6	94.1	103.7	116.0					
	Water Temperature (°C)		20.6	20.6	20.6	20.6					
L	issolved Oxygen (mg/L)		2.39	2.46	2.53	2.6					
	Turbidity (NTU)		154.5	163.2	169.1	177.8					
621-14-					Sampling Data						Para Line
Sampled By:	T. Elder, A. Best,	P. Wylie	Sampling Time:	10:26	Duplicate: Yor N	.N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	1.00)
otes:					No Odor, Dry @ 1.00 G	allon					
-											

_	1	1					•				
Date:	8/31/2015	Site ID II:	(03538	Site Name:	-Coastal 7	6 Truck Stop	Field Personnel:	T. Elder, A.	Best, P. Wylie	9
County:	Anderson	Project Manager:	М. М	filenkova	General Weather Conditions:	Ow	ercast	Ambient Air Temp (°F)	2	77	
					Quality Assurance					Dev Sylvan	The state of the s
Me	eter Name	Ser	ial #:				Calibration:				
'SI Pro1030 (pH, Sp	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor	Υ
YSI Pro 20 (I	Dissolved Oxygen)	12G1	02878	Y or N	Y					N	
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Y		
					Well Information						No.
V	Vell ID:	MV	√-22	Conversion Factor (meter (ft.): C): 1" well = 0.047, 2" t" well = 0.652	0.	163	Method of Purging/Sample Collection	9:	niler	
Sample Type: (i.	Penth to Erro Bredent (DER)		MW		Screened Interval (ft.):		5.09-15.09		15		
	Depth to Free Product (DFP) (ft.):		D	Depth to Groundwa		11.53		Free Product Thickness (ft.):	Not Detected		
	water column VD – 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						10 con
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampi	ling
	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					
Spe	ecific Conductivity (μS/cm	n)	81.7	- 89.4	97.5	105.3					
1	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					
		r valore e e			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	
es:					No Odor, Dry @ 2.50 G	illons					
_					,0						

County: Anderson Project Manager: M. Mienkova General Weather Conditions: Overcast Ambient Air Temp (F): Quality Assurance	A. Best, P. Wylie 77 S.C.: Yor N
Conditions: Covercast Ambient Air Temp (F):	S.C.: Yor
Meter Name Serial #: Calibration: SI Pro1030 (pH, Specific Conductivity, Temp.) 15H101448 pH 4.0: Yor N Y pH 7.0: Yor N Y pH 10.0: Yor N Y YSI Pro 20 (Dissolved Oxygen) 12G102878 Yor N Y Y PM 7.0: Yor N Y PM 7.0: Yor N	
YSI Pro1030 (pH, Specific Conductivity, Temp.) 15H101448 pH 4.0: Yor N Y pH 7.0: Yor N Y pH 10.0: Yor N Y MicroTPI/TPW (Turbidity) 201201583	
YSI Pro 20 (Dissolved Oxygen) 12G102878 Y or N Y MicroTPI/TPW (Turblethy) 2012013183	
MicroTPI/TPW /Turhidity) 2012015182	
MicroTPI/TPW (Turhidity) 201301183	
201301183 0.0 NTU: Yor N Y 1.0 NTU: Yor N Y 10.0 NTU: Yor N Y	
Well Information	
Well ID: Well Diameter (ft.): Method of Conversion Factor (C): 1" well = 0.047, 2" 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.):	nt 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 Purg	d: 13.00
No Odor, Dry @ 13.00 Gallons	

Date:	8/31/2015	Site ID #:	00	3538	Site Name:	Coastal 7	3 Truck Stop	Field Personnel:	T. Elder, A.	Best, P. Wylie
County:	Anderson	Project Manager:	M. M	ilenkova	General Weather Conditions:	Ow	ercast	Ambient Air Temp (°F):		77
				H	Quality Assurance					
Met	er Name	Ser	ial #:				Calibration:			
YSI Pro1030 (pH, Spe	cific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.; Y or Y
YSI Pro 20 (D	lissolved Oxygen)	12G1	02878	Yor N	Υ					
MicroTPI/T	PW (Turbidity)	2013	01183	0.0 NTU: Yor N	. Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y	
				Well Information				THE PLANE SHOW IN		
W	Well ID: iample Type: (i.e. MW, IW, RW, WSW)		MW-23 Conversion Factor (C) well = 0.16, 4"		C): 1" well = 0.047, 2"	0.163		Method of Purging/Sample Collection	Ва	iler
Sample Type: (i.e	Sample Type: (i.e. MW, IW, RW, WSW) Depth to Free Product (DFP) (ft.): Length of water column (LWC = TWD - DGW) (ft.):		MW Screened Int		nterval (ft.):	5.57	-15.57	Total Well Depth (TWD) (ft.):	15	.57
Depth to Free			ND	Depth to Groundwater (DGW) (ft.):			15	Free Product Thickness (ft.):	Not D	etected
			0.57 1 casing volume (C		(CV = LWC x C) (gals.):		09	5 casing volumes (5 x CV) (gals.):	0.	46
*;					Purging Data			Jude vide w 1500		
			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			1 1				
	PH (s.u.)		INS.							
Spe	ecific Conductivity (μS/cr	n)	INS.							
	Water Temperature (°C)		INS.							
	Dissolved Oxygen (mg/L)		INS.							
	Turbidity (NTU)		INS.		1					
	26				Sampling Data					
Sampled By:	T. Elder, A. Best	, P. Wylie	Sampling Time:	10:47	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
tes:				No Odor, INS. = Ins	ufficient water to purge	or collect field readi	ngs			
4.										

Date:	8/31/2015	Site ID N:	03	538	Site Name:	Coastal 76	Truck Step	Field Personnel:	T. Elder, A.	Best, P. Wylie	
County:	Anderson	Project Manager:	M. Mi	lenkova	General Weather Conditions:	Ove	ercast	Ambient Air Temp (*F):		77	
第4条数。 6					Quality Assurance						
Met	ter Name	Ser	ial #:				Calibration:				
/SI Pro1030 (pH, Spe	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y S.C.: Yor		
YSI Pro 20 (E	Dissolved Oxygen)	12G1	02878	Yor N	, Y						
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Y or N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y		
					Well Information	43.77		ATTERNATION NOTES			
И	Vell ID:	MV	Well Diamete WW-26 Conversion Factor (C): well = 0.16, 4" w			0.163		Method of Purging/Sample Collection	Ва	iler	
Sample Type: (i.e	Sample Type: (i.e. MW, IW, RW, WSW) Depth to Free Product (DFP) (ft.): Length of water column (LWC = TWD - DGW) (ft.):		MW		Screened Interval (ft.):		4.86-14.86		14.86		
Depth to Free			ID	Depth to Groundwater (DGW) (ft.):		14.27		Free Product Thickness (ft.):	Not Do	etected	
			0.59 1 casing volume		g volume (CV = LWC x C) (gals.):		0.10		0.48		
A WARRAN					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.								
Sp	ecific Conductivity (μS/cr	n)	INS.								
	Water Temperature (°C)		INS.								
Ľ.	Dissolved Oxygen (mg/L)		INS.								
	Turbidity (NTU)		INS.								
test tests					Sampling Data		1000000				
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	
tes:				No Odor, INS. = Ins	ufficient water to purge	or collect field reading	igs				
				•							

Date:	8/31/2015	Site ID #:	03	538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	T. Elder, A.	Best, P. Wylie	
County:	Anderson	Project Manager:	M. Mi	enkova	General Weather Conditions:	Ove	rcast	Ambient Air Temp (°F):		77	
					Quality Assurance			V 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Met	er Name	Seri	al #:				Calibration:				
YSI Pro1030 (pH, Spe	cific Conductivity, Temp.)	15H1	01448	pH 4.0: Y or N	Y	pH 7.0: Y or N	Υ	pH 10.0: Y or N	Y	S.C.: Yor	Υ
YSI Pro 20 (D	issolved Oxygen)	12G1	02878	Yor N	Υ					.,	
MicroTPI/T	PW (Turbidity)	20130)1183	0.0 NTU: Yor N	Y	1.0 NTU: Y or N	Y	10.0 NTU: Y or N	Υ		
					Well Information						
w	ell ID:	1-27	Well Dian Conversion Factor (C well = 0.16, 4	c): 1" well = 0.047, 2"	0.163		Method of Purging/Sample Collection	Ba	iiler	200000000000000000000000000000000000000	
Sample Type: (i.e	. MW, IW, RW, WSW)	w	Screened Ir	nterval (ft.):	5.05-	15.05	Total Well Depth (TWD) (ft.):	15	.05		
Depth to Free	Depth to Free Product (DFP) (ft.):			ID Depth to Ground		14.31		Free Product Thickness (ft.):	Not D	etecled	
	Length of water column (LWC = TWD - DGW) (ft.): 0.74				/ = LWC x C) (gals.):	0.12		5 casing volumes (5 x CV) (gals.):	0.	60	
					Purging Data						Ser all
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampl	ing
	olume Purged (gallons)		0.00	0.12	0.24	0.38	0.48	0.60			
	Time (military)		12:30	4							
	PH (s.u.)		INS.								
Spe	ecific Conductivity (µS/cr	n)	INS.								
	Water Temperature (°C)		INS.								
E	issolved Oxygen (mg/L)		INS.								
	Turbidity (NTU)		INS.								
		the state of			Sampling Data						
Sampled By:	T. Elder, A. Best	t, P. Wylie	Sampling Time:	12:30	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00	ì
Notes:				No Odor, INS. = Ins	ufficient water to purg	or collect field reading	igs				
-											

Date:	8/31/2015	Site ID #:	03	3538	Site Name;	Coastal 76	3 Truck Stop	Field Personnel;	T. Elder, A. Best, P. Wylie			
County:	Anderson	Project Manager:	M. Mi	lenkova	General Weather Conditions:	Ove	ercast	Ambient Air Temp (°F)	:	77		
					Quality Assurance							
Met	er Name	Seri	al #;				Calibration:					
YSI Pro1030 (pH, Spe	cific Conductivity, Temp.)	15H10	01448	pH 4.0: Y or N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor	Y	
YSI Pro 20 (D	issolved Oxygen)	12G10)2878	Yor N	Υ	• .				N		
MicroTPI/T	PW (Turbidity)	20130	1183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU; Y or N	Y			
					Well Information							
W	ell ID:	MW	-2B	Conversion Factor (6	meter (ft.); C): 1" well = 0.047, 2" I" well = 0.652	0.	163	Method of Purging/Sample Collection	Bailer			
Sample Type: (i.e	Sample Type: (i.e. MW, IW, RW, WSW)			Screened I	nterval (ft.):	2.97-	12.97	Total Well Depth (TWD) (ft.):	12	2.97		
Depth to Free Product (DFP) (ft.):			· · · · · · · · · · · · · · · · · · ·	Depth to Ground	water (DGW) (ft.):	10	.59	Free Product Thickness (ft.):	Not D	efected		
	Length of water column (LWC = TWD - DGW) (ft.):			1 casing volume (C\	V = LWC x C) (gals.):	0.	39	5 casing volumes (5 x CV) (gals.):	1	.94		
		ENORGE STREET			Purging Data							
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampl	ing	
ν	olume Purged (gallons)		0.00	0.39	0.78	1.16	1.55	1,94				
	Time (military)		10:15	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				
Spe	cific Conductivity (μS/cn	1)	154.7	161.3	169	176.2	183,5	191,9				
V	Vater Temperature (°C)		20.9	20.9	20.9	20.9	20.9	20.9				
D	issolved 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		
fes;					No Odor							
_												
-												

Object 65 3 (2015) Size (Dec.) County County (Dec.)														
Month Mon	Date:	8/31/2015	Site ID #:	00	538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie				
Meter Name	County;	Anderson	Project Manager:	M. Mi	enkova		Ove	rcast	Ambient Air Temp (°F):		77			
Second S						Quality Assurance						ALC: NO		
YSI Pro 30 (Dissolved Crygen) 125102875 Yor N Y Interview No. No. No. No. No. No. No. No. No. No.	Met	er Name	Seri	a/ #:				Calibration:						
YSI Pro 30 (Dissolved Oxygan) 120102878 Y or N Y V N V N V N N V V	YSI Pro1030 (pH, Spe	cific Conductivity, Temp.)	15H1	01448	pH 4.0; Yor N	Y	pH 7.0; Y or N	Y	pH 10.0: Y or N	Y		Y		
Note Note	YSI Pro 20 (D	issolved Oxygen)	12G1	02878	Y or N	Y								
No No No No No No No No	MicroTPI/1	PW (Turbidity)	20130	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y				
No. No.					Province Control of	Well Information								
Depth to Free Froduct (DFP) (R): N Depth to Grounder (DGW) (R): 12.26 Thickness (R): The Product (DFP) (R): Not Delected (DFP) (R): Pree Product (DFP) (R): Not Delected (DFP) (R): Pree Product (DFP) (R): Not Delected (DFP) (R): Pree Product (DFP) (R):	и	fell ID:	TV	V-1	Conversion Factor (C): 1" well = 0.047, 2"	0.1	163	Purging/Sample	8:				
Length of water column Length of water col	Sample Type: (i.e	. MW, IW, RW, WSW)	M	w	Screened I	nterval (ft.):	31.00	-36.00			36			
1				D	Depth to Ground	water (DGW) (ft.):	12	.26		Not D	etected			
Initial 1st Vol. 2nd Vol. 3rd Vol. 4th Vol. 5th Vol. Post Sampling			23.	74	1 casing volume (C)	V = LWC x C) (gals.):	3.	B7		19).35			
Volume Purged (gallons) 0.00 3.87 7.74 11.81 15.48 19.35						Purging Data	2 THE							
Time (military) 12:53 12:57 13:01 PH (s.u.) 6:51 6:58 6:68 6:63 Specific Conductivity (µS/cm) 51:3 57.4 62:6 Water Temperature (*C) 21:2 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 Sampling Time: 13:01 Duplicate: Y or N N If yes, Duplicate Time: NiA Total Gallons Purged: 10:00				Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampl	ling		
PH (s.u.) 6.51 6.58 6.63 <t< td=""><td></td><td>/olume Purged (gallons)</td><td></td><td>0.00</td><td>3.87</td><td>7.74</td><td>11.61</td><td>15.48</td><td>19.35</td><td></td><td></td><td></td></t<>		/olume Purged (gallons)		0.00	3.87	7.74	11.61	15.48	19.35					
Specific Conductivity (µS/cm) 51.3 57.4 62.6		Time (military)		12:53	12:57	13:01								
Water Temperature (°C) 21.2 21		PH (s.u.)		6.51	6.58	6.63								
Dissolved Oxygen (mg/L)	Spe	ecific Conductivity (μS/cr	n)	51,3	57.4	62.6			-					
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		Water Temperature (°C)		21.2	21.2	21.2								
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		Dissolved Oxygen (mg/L)		1.93	1.98	2.07								
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		Turbidity (NTU)		50.61	63.42	71.9								
Time: N/A Total Gallon's Purged: 10.00						Sampling Data								
Odor, Dry @ 10.00 Gallons		T. Elder, A. Best	P. Wylie	Sampling Time:	13:01	Duplicate: Y or N	N		N/A	Total Gallons Purged:	10.00	D		
	lotes:					Odor, Dry @ 10.00 Gal	lons							
	_													
	_				: .									

				9538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	T. Elder, A. Best, P. Wylie				
County:	Anderson	Project Manager:	M. Mi	lenkova	General Weather Conditions:	Ove	rcast	Ambient Air Temp (°F):		77			
					Quality Assurance		5 A 6 11						
Met	ter Name	Ser	ia/#:				Calibration:						
l Pro1030 (ρΗ, Spε	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Υ	pH 7.0: Y or N	Y	pH 10.0: Y or N	Υ	S.C.: Yor			
YSI Pro 20 (L	Dissolved Oxygen)	12G1	02878	Yor N	Y					,			
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Y				
				1000000	Well Information								
и	Vell ID:	TV	V-2	Conversion Factor (meter (ft.): C): 1" well = 0.047, 2" 1" well = 0.652	0.1	163	Method of Purging/Sample Collection	Ва	iler			
Sample Type: (i.e. MW, IW, RW, WSW) Depth to Free Product (DFP) (ft.):			w	Screened I	Interval (ft.):	31.00	-36.00	Total Well Depth (TWD) (ft.):	36				
			D	Depth to Ground	hwater (DGW) (ft.):	11.	.63	Free Product Thickness (ft.):	Not D	elected			
	water column VD – DGW) (ft.):	24	.37	1 casing volume (C	V = LWC x C) (gals.):	3.5	97	5 casing volumes (5 x CV) (gals.):	19	.86			
					Purging Data			1975					
			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								
Sp	ecific Conductivity (µS/cn	n)	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)			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:	10.00			
s:					Odor, Dry @ 10.00 Ga	llons							



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.

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 Biologis



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 F		t information:		. v ite i i i			Section C					1867		. jani	Pag	e:	1	of	3		
Company SCDHEC - UST	Report To-	J.	Bryon	t-U	ST		_	Altention:		o tun	- 1111					100		199	9952	23		
Address 2600 Bull Street	Сору То:		/				-	Company N	ame:					REGULATO	ORY A	GENCY	,					
Columbia SC 29201	1- 1-		.451-5-11	s Alvidge	m _e e v	will book	/	Vddress:	To delete	igua in	dian	rug de d	ar this	□ NPDES	2000							
bryantic Edhac Sc. QOV	Purchase C	rder N	No.: 460	042	251	3		ace Quote Reference:			-			UST		RCRA						
Phone: Fax: 898-6673 Requested Duc Date/TAT:	Project Num	Cé	postol	76 T	rucks	top	P	ace Project Nanager	T.C	rtes				Site Location	00000							
The same of the sa	Project Num	1061	200 0000			**********		ace Profile #	STORY OF	William II	71.780	engge 22 s	1 1000	STAT	198	SC	2 (17.6)	110	sence			
Section D Matrix C Required Client Information MATRIX / Drinking Water Waste Water Product	CODE er DW WT		AB C=COMP)	COL POSITE	LECTED COMP	OSITE GRAB	COLLECTION	nines 3	Preserv	atives	TNIA	Reque	ested A	Analysis Fil	tered (Y/N)		S TOUR	10			
SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE Soli/Solid Oil Wipe Air Tissue Other	SL OL WP AR TS OT	w	SAMPLE TYPE (G=GRAB		oxire	i Wasing	SAMPLE TEMP AT COLL	# OF CONTAINERS Unpreserved	HNO ₃	NaOH Na ₂ S ₂ O ₃ Methanol	Analysis Test	STEX WW.	DIS				Residual Chlorine (Y/N)	agang Lagan Banga				
1 MW-1		WE			2/31/15	13:07		6	6			77	17	CHES (102)	200		_	Olor		lo./ Lab I.D.		
2 MW-2		1	1000	भने संदर्भ	148.74	12:42	100		Ĭ	- Capalla		1 1	1 1	an its roof.		i libri		Odor				
3 MW-3						1313							Ш					Odos				
4 MW-4	,56,	10	Part Artes	hone)	signing	12:57	198	a di Sin	7 (34)	of the last	01	30000		upot off.	2 3	8488	stift;	Odor	541.17	7 , 7		
5 MW-6	an cultin	0	1800	a du jeb	C 1978 30	11:27	21	No.	No.	西 中市			700	18,711,36°C	190	2.5071	the sta	Noa	05			
6 MW-7		1		1 1		1155					200		1111		\top			(1/4/L)	panc 1	beer, due		
7 MW-8		1		P 0 0 1 1 1	1.11	11:33	36.5	Printer g				111	111	ters of s	E IR	D. C.	75 isa	No od	26	Sec. Jeing		
8 MW-IOR		П		1		11:52				C 486	1		1111	55	170-1	28 3	F 10.	Nood	lar.			
9 MW-11		Ħ		1		12:18		Π					1111	111	++	+	+	Nooc	-5			
10 MW-14		H	Sec. 25.	0 PS 1764		N:23	41	E VE	111	u de co			1111	10 10 10	so and	9 00	23 TJ (1954)	Noo				
11 MW-15		V	4		1 2	10:44	01/3	4	1	ne bii	: 8	11	11	un con played	3 5	12 17		Noa	1			
12 MW-16		1/6	G			10:59		6	6			111	//		+++		+	Noo				
ADDITIONAL COMMENTS		C700-000	NQUISHED B	Y / AFFILIA	TION	DATE		TIME		ACCEPT	ED BY	AFFILIAT	ION	DATE	T	ME			LE CONDITI	ONS		
A STATE OF THE STA	Ph	tr	On	111.	· Land	8/31/15		or artic	- C	neb mak	tern in	ilian v	-		1 80.00		200					
			, ,	M	Total Control	10 to 10 to	4. 10.		500118	rewitte		1 150	cienan	Later Contract	i neu	ART AR	r Tet a	A	70.77			
				-			-								100		100	1 - 1 - 1 1 de	134			
						-		A PRODUCT	1			1 1/4	-	1 20000	1 442			-				
				SAMPL	ER NAME A	ND SIGNAT	JRE										-	ç	je j	ţ		
	2				PRINT Nar	ne of SAMPLI	R: T	240	71	1.4	0						o o	Received on Ice (Y/N)	stody d Cool	ples Intact (Y/N)		
					SIGNATUR	RE of SAMPLI	ER:	Per	n()	hu	11	DATE SIG	gned	8/31/15	5		Тетр іл	Rece	Custody Sealed Cool (Y/N)	Sample		

Pace Analytical*

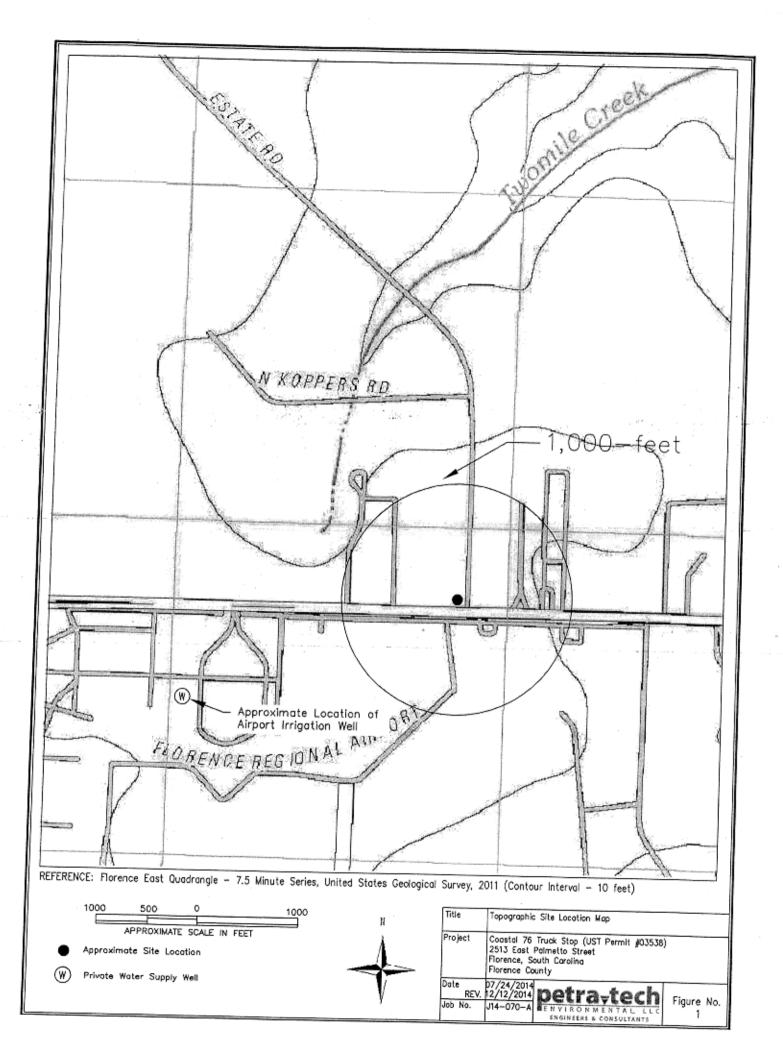
CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

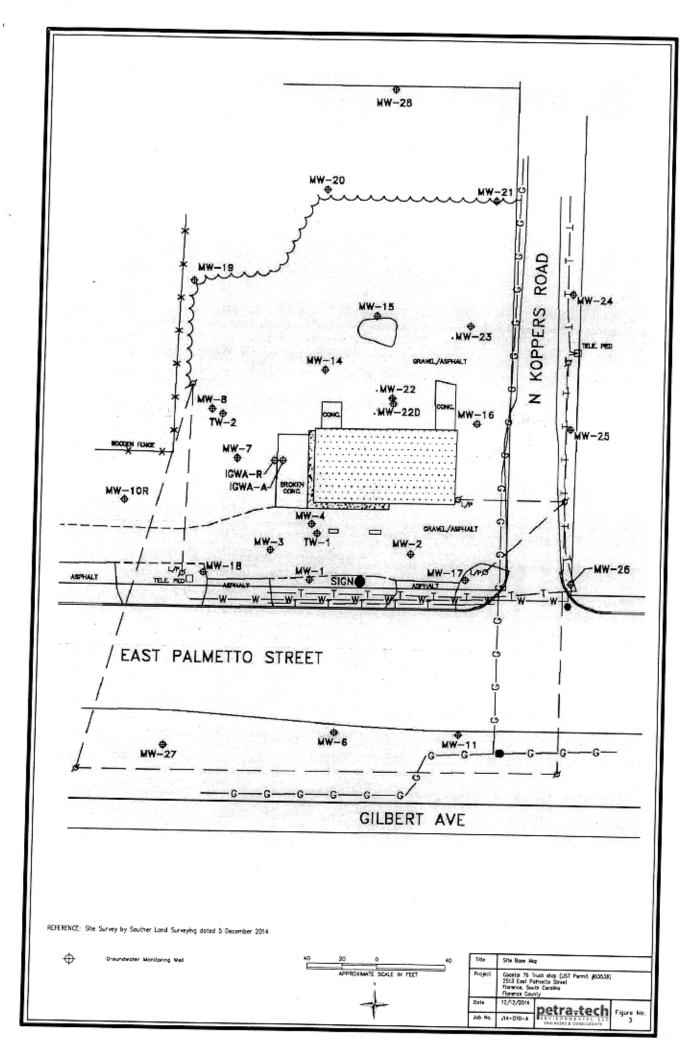
Section A Required Client Information:	Section Required	Proje						Section	n C		p north		i t a. Histori	anga J	Page:	2	of	3		
Company SCD EC-UST	Report To	.T.	Bry	wat-U	IST	TR 20 20	_	Attention	La constant de la con	es varie	- Enn	or things	gi o- i.r :	10.7	Asia;	100	952	Λ		
Address: 2600 Bull Street	Copy To:							Company	y Name:			and the state of t		150	Principle of the last	13	3332	.4.		
Columbia SC 29201		ians:	Serie-fa	imale avers	Section 1.	No. of the		Address:			s. autoritica	11 11	REGULATORY AGENCY							
brunt je Chec. Sc. gov	Purchase	Order	No.:LI	60042	77513	2 1 2 2 2		ace Quot				Fryslii	NPDES	GR	OUND WA	ATER [DRINKI	NG WATER		
903-898-0606 808-878-8673	Project Na	ime:/		11 7/	7	7	_	Reference Pace Proje	ct				UST	RCF	λ	្សាមព្	OTHER			
Requested Due Date/TAT:	Project Nu	imber:	DOS	+61 16	Truck	Stop	-	Manager: Pace Profil	1.6	rte	Juanoin.	18.81.009	Site Location	1 <	المارين	F/	orenc	e		
Section D Matrix C	a de la				-		_	-			F	Requested .	Analysis Filt	ered (Y/N)						
Required Client Information MATRIX / Drinking Water Waster Waste Water Product	CODE BY DW WT WW P	valid codes to left)	GRAB C=COMP)	COMPOSITE START	COMP		COLLECTION	ani _{es}	Preserv	ratives	N/A	R 1674		16-3-55-11 [7:8-55-11	6 18 30 18					
SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE Tissue Other	SL OL WP AR TS OT	MATRIX CODE (888	AMPLE TYPE (G	DATE		OVI III	LE TEMP AT	# OF CONTAINERS Unpreserved	H ₂ SO ₄ HNO ₃ HCl	NaOH Na ₂ S ₂ O ₃ Methanol Other	Analysis Test I	2 DX 4	1		Residual Chlorine (Y/N)	las (9) Sas (9)				
MV-17		-1	6	aryric Time	8/31/15	1.00	-	,	1	2 2 2 0	10000	707	traffic Su C	15/15/14	_			lo./ Lab I.D.		
2 MW-18		1	1	9871.130	93913	1315	- 6	1.3	6	4 / E	1 1	777				No DO	dos			
MW-19					1 7	035		200			+ 1	1111	a ko tosto	or some six	TES SE	Stion	3 Deor	sheen		
4 MV-20	· Fori	1	a de	at state in the	ca site dan	103	\parallel	ier fü	eft occurs	N Marie I		$\mathbf{H}\mathbf{H}$				Nox	06			
5 NW-21	rauda	1	V	- Eduption of	is britter	10:26	- 4	/		Arts Target	1	111			100 25	Noce	706			
MV-22		Dv (6		8/31/15		6		6					(4) (b) (c)	A LESS DAYS	Nova	loc			
MWZ					9313	110	- 6	921916		L Landon		100				No oc	ot			
MW-22D		אנ	6	4 1 1 1 1 1 1	8/31/15	11:12	6		6	1 2 2 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2						Marian Service				
MW-23			5			10.47	6		6	1 1 1 1	1 14	/ / /	CA SERVICE DE	and the RH	30 No. 913 -	No oc	ot			
MV-24	Table Brok	-	14 72	200	9.3713	100		2	ь	AUGHISUTS	· ·	V V /				No od	05			
MW-25						10-30			LE 1 - 17 D	1 3 3 3 3 3		460 700 700	31 33 53	200 CO 000	++1	No -	55 30V	nde		
MV-26		W/	5		8/3/15	12:10	6		6								mole). ·		
ADDITIONAL COMMENTS	M Decisions	CONTRACTOR OF THE PERSON NAMED IN		ED BY / AFFILIA		DATE		TIME	0		1	1			Ш	No o	dot			
	0	5-		mi				IIME		ACCEPTE	BY / AFF	LIATION	DATE	TIME		SAMP	LE CONDITIO	ONS		
	ou			11VA	to uni-but	e/31/15	>	e effu	State Se	sie zada	edicie)	Service vet	Defined to	Getto oxe	77.50	London	e tu i			
V.m.					. 25 30								that to be	ov janw	(burn		1.0			
															-		74.1			
and the second s	ALC: YOU			el vera de c	San Hilliam	AND IN I	74	i e	Harris San	1.1.4.4				188 N 3 A 7 A	2.00	4 -				
	<u></u>			SAMPL	ER NAME A	ND SIGNATU	RE								1.2	i. ma		**		
. `	2	· 15.			PRINT Nam	e of SAMPLE	R:	2000	15	W. lle	2				, Ç	o Q	Sog &	lutac C		
2.1 1					SIGNATUR	E of SAMPLE	R: Z	Uta	0.1	Will	DAT	E Signed	8/31/19	5	Tempi	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Infact (Y/N)		
"Important Note: By signing this form you are accepting	race's NET	30 day	payment	t terms and agreeing	g to late charges	of 1.5% per mor	nth for a	ny invoio	enct paid with	in 30 days.			1-11		F-ALL-C		7, 15-May-2	007		



CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Section Required Client Information: Required	on B red Projec	ct Infor	mation:				Section C									Page: 3 of 3						
Company: SCDHEC-UST Repor	To: J.		pont	-U	57	A CONTRACTOR OF THE PARTY OF TH	- 1 (T)	Attention		<u> </u>	2011 1	-	o francij	T		1999525						
Address 2600 Bull Street Copy	ľo:	,						Compan	y Name:		-		3.00	REGULATORY AGENCY								
Columbia, & 29201	et et	7. F 13	destile*	a Willey	nji)) e s	WE Inc	413/6	Address	15 BE 0	iskus	23 4.25	With	atti in a	☐ NPDES ☐ GROUND WATER ☐ DRINKING WATE								
Email To: Purchase St. gov Purchase Phone	se Order	No.:4	16001	122	\$73			Pace Que Reference						VUST F RCRA F OTHER								
803-898-0673 803-898-0606	Name:	00	stal	76	Touck	Stop	2	Pace Proj Manager	PC	08	100			10000000	Location					C. Comp.	All Sections	
	Number:		na for to a	arres 1	2 17 50	W.A.B.	e çük	Page Prof	ile#:	21	777 150	dalar.	V-12-34 34 3-14		STATE		<u>`</u>	Flo	rence	2		
Contract Con	_												Requested	d Analy	sis Filte	red (Y/N)					
Section D Matrix Codes Required Client Information MATRIX / CODE	E G	G V	ni nive	COLL	ECTED				Prov	ervative		N /A		H								
Drinking Water DV Water W		C=COMP)					š		T	- Vallye	1	<u> </u>	+++	++	++-				.10			
Waste Water WV Product P	v 8	AB C	COMPOS		- COMPI END/C		COLLECTION											_				
SAMPLE ID Soil/Solid SL	. 1 2	(G=GRAB	i, areas ir	ji la ja	00 -	101230	SOLL	65		9 9 3	180 kg			1.			1260	Cnionne (Y/N)				
- (A-Z, 0-9 / -) Wipe WF							AT	CONTAINERS				Test	યે⊲ .					E E				
Sample IDs MUST BE UNIQUE Tissue TS Other OT	. 0	TYP)				TEME	NTA			- 10 A		KKE	11	exat.	5/4	1 1	<u> </u>				
ITEM#	MATRIX	SAMPLE TYPE	vo užitiga		S 100	rin role	PLE	CO	H ₂ SO ₂	ΞĠ	Methanol Other	alys	I OC	3		2/16.01		8				
	ž	SA	DATE	TIME	DATE	TIME	SAMPL	# OF	S I	NaOH Na S	Meth	Analy	200E	1	- 1. Note 10	really.		Pac	- nation			
1 MV-27		1 1			8/3/19	12:30							1/1/	1		V-004 (V-5)	11	No	e Project	No./ L	ab I.D.	
2 MN-18		: 155	Principal P	dein	s.Alfre	10:20	N/p	AL SPETT	Third	ant P	数据规		HILLER	i musi	THE STATE OF	essiv of	3176	Noo			7 7	
3 TV-1	\perp	_		· ·	1	13:01												Odos				
4 TW-Z	310		A ZON	Laria	\$ D	11:44	30	t. 055 651	曲/。	5 M ()	11-28		41	14 15	351, 37	in a	91844	Noo	#100 T			
5 TGWA-A		1	and the same	10.00	到5世	12:03			de Marc	kopril d	12 15		1800		0.0	ora (i.e.)	T 100 17		shee	ad.	und	
6 TGVA-R				-		12.50		74.2									-	Nosa	mole	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	PC	
Field blank		-		0.010.2	XI SIT	13:20	1527	TACH SEE	8	THEFT	14		1111	100	OFF 7	4000		Field	blonk			
9 MV-7 Duo	+	+			1	13:21	\vdash						111	1		t i digish d	3 (22.0)	Tro	Honk			
10 TGWA-A DUD	103	4	(F. 1889)	Neusse	H-the	1203	500	995. 00		1 (2)	1.0	1	VVV					Sllah	todas	she	een	
11		+			112415	12.03	d gr	2 11 17 7	Cultivar	Total	27 103	1	111	21.00	SAME TO SE	THE P	1	Odol	shee	20		
12		+	- 1							++	+++			-	11.7				-		2	
ADDITIONAL COMMENTS	RELI	NQUIS	HED BY / A	FFILIATIO	ON	DATE		TIME		AC	CEPTED	BY/A	FFILIATION		DATE	TIME			PLE CONDI	Tions		
war and settled the balls of settled the	11	11	12	in the s	in di La	8/31/	15	17:05	5					114	Petro			- SAMI	PLE CONDI	TIONS		
			700	- 40 C G G	1	971		0.00		2755	- 578		Ditales r	e de Elle	9 miles	DELET	85000	PERM	278	1		
							-		+				=======================================	77 mg 24 c	1 1	(AE (05) 2	Sixon	17,00,011.0	247			
The state of the s	10 2 5	AH U	to to	THE L	diament of	CLAP TO S		1 11 164	militi	ard o		- ÷		- 10	7.00		h in	10000				
			S	AMPLER	NAME A	ND SIGNAT	URE				100000			1 L					25	-	=	
2			1 1 1	23/20/00/00/00		e of SAMPL		7	HI	16							O. u	Received on Ice (Y/N)	Sooler Sooler		Samples Intact (Y/N)	
						E of SAMPL	-	100		Ber	-		ATE Signed	1	1-		Temp	oe (7	Custody Sealed Cook (Y/N)	1 . :	y N	
"Important Note: By signing this form you are accepting Pace's	NET 30 de	or navere	ent terms and			of 1 Str		200	1		1		MM/DD/YY):	8/3/	115		1 5	- Z	8		San	





						UST F	ermi			Coas		6 Tru	ck Sto	р									
MWID	Date	Screened interval	TOC Elevation	GW Depth	GW elev	ď	æ	-	ш	×	MtBE	Napth	EDB	1,2 DCA	ETBE 47ug/L	ETBA	TAME 128ug/L	DIPE 150ug/L	Ethanol 10000ug/L	18F	TBA 1400ug/L	TAA 240ug/L	lead
IGWA	09/29/1999 02/20/2912 06/26/2012 12/03/2014 12/13/2014 8/31/2015 8/51/2015 DUP	TD:16.74	145.19 145.19 145.19 145.19 145.19 145.19 DUP	NA DRY NA 11.98 12.15 13.78 DUP	NA DRY NA 133.21 133.04 131.41 DUP	0.21 ND ND ND ND ND	1300 1730 1870	7710 7540	630 933 792	1100 11500 10200	<40 <100 <100	310 566 588	Not S	Not *15	Sampled - lot Sampled - <20 uge Well O <200 <200	d <100	<20 <200 <200	<40 <100 <100	<3300 <4000 <4000	<100 <1000 <1000	<870 <2000 <2000	780J 2740 2810	65 NT
igwa"R"	06/26/2012 12/03/2014 12/13/2014 8/31/2015	11.00 - 21.00	145.14 145.14 145.14 145.14	14.10 11.93 12.10 NL	131.04 133.21 133.04 NL	ND ND ND ND	130 2000	790 9400	180 1800	980 7000	<25 <40	160 530		ot Located		by Dumpste		NT <40	NT <3300	NT <100	NT <570	NT 730J	9.0J 51
0353E-MW01	09/29/1999 02/20/2012 05/26/2012 12/03/2014 12/13/2014	TD:17.80	145.87 145.87 145.87 145.87 145.87	13.31 DRY 14.71 12.54 12.75	132.58 DRY 131.16 133.33 133.12	ND ND 0.02 ND ND	17000	27000	1500	15000	7400 250J	592 820	Not 8	ampled- Fre <74	<100 uge Well O	etroleum Pro <500 nly	<100	<200	<17000	<500	<3400	8200J	630
03538-MW02	8/31/2015 09/29/1999 02/20/2012 05/26/2012 12/03/2014	TD:18.30	145.87 145.19 145.19 145.19 145.19	12.31 13.63 DRY 14.04 12.34	133.58 131.58 DRY 131.15 132.85	ND ND ND ND	4300 18500 9800 4800	7020 28300 17000 8200	976 3360 1300 940	5230 15270 11000 4500	288 19500 1100 250	332 670 370 260	6.2 ND 65 28	240J <15	<100 NY Sampled - NY <20	NT <100	<100 NT NT <20	<50 NT NT <40	<2000 NT NT <3200	<500 NT NT <100	<1000 NT NT <670	4220 NT NT 4200	403 403 150
	12/13/2014 8/31/2015 09/29/1999 02/20/2012		145,19 145,19 145,51 145,51	12.36 12.17 13.13 NA	132.83 133.02 132.38 NA	ND ND 0.40	4760 6800	7890 18900	598 2380	5870 14020	31.7 31.5	355 570		21.9J NT ampled- Fr		<500 NT etroleum Pro		<25 NT	<1000 NT	<250 NT	420J NT	4600 NT	NT 116
03538-WW03	06/26/2012 12/2/2014 12/2/2014 DUP 12/13/2014 8/31/2015	TD:18.20	145.51 145.51 DUP 145.51 145.51	14.19 12.57 DUP 12.39 12.06	131.32 132.84 DUP 133.12 133.45	0.01 ND DUP ND ND	2000 2000 4220	10000 11000	1600 1700	11000 10000 5810	<40 <40	760 750	3.5 3.2	<15 <15 Ga 19.9J	<20 <20 ruge Well O <50	<100 <100 mly <500	<20 <20 <50	<40 <40	<3300 <3300 <1000	<100 <100	<670 <670 431J	2200 1900J 5120	100 100
03538-MW34	09/29/1999 02/20/2012 06/26/2012 12/03/2014 12/03/2014 DUP 12/13/2014	TD:18.35	145.56 145.56 145.56 145.56 DUP 145.56	12.91 NA 14.35 12.26 DUP 12.43	132.65 NIA 131.21 133.30 DUP 133.13	ND 0.20 ND ND DUP ND	19300 8500 3600 4000	22000 9100 9500	2100 810 820	21500 17000 10000 9500	4530 <500 <10 <40	1100 710 640	14 2.2 2.0	<500 <29 <15	NT <40 <20 ruge Well O		NT <40 <20	NT <80 <40	NT <\$600 <1300	NT <200 <100	NT <1300 <670	NT 2808J 2800	440 110 130
03538-MW05	8/31/2015 09/29/1999 02/20/2012 06/28/2012 12/03/2014 12/13/2014	8.29-18.29	NA NA NA NA NA NA	12.24 12.54 17.05 13.90 NL NL	NA NA NA NA NL	ND ND ND ND	4390 1590 640 810	7900 7410 5100 7400	953 1850 990 1500	5940 10320 5800 1000	301 13.1 <5.0 <200	366 560 210 770				<500 NT <1.0 NT Rolloff Cont		<25 NT <0.40 NT	<1000 NT <33 NT	<250 NT <1.0 NT	439J NT 8,9J NT	5100 NT 180 NT	43 670 31
02518-MW06	8/31/2015 09/29/1989 02/20/2012 06/25/2012 12/03/2014	8.29-18.29	NA 146.04 146.04 146.04 146.04	NL 13.04 DRY 14.65 12.67	NL 133,00 DRY 131,39 133,37	ND ND ND NO	ND <5.0 <0.13	<5.0 <0.33	5.72 <5.0 <0.33	25.93 <5.0 <0.33	ND <5.0 <0.40	7.8 <5.0 <0.40	NO NO <0.019 <0.020	NT Not <5.0 <0.15	NT Sampled - NT <0.20 uge Well O	NT <1.0	NT NT <0.20	NT <0.40	NT NT <33	NT NT <1.0	NT <5.7	NT NT <§.7	9.7. 2.3.
03538-NW07	12/13/2014 8/31/2015 09/29/1959 02/20/2012 06/26/2012 12/03/2014 12/13/2014	8.38-18.38	146.04 146.04 144.61 144.61 144.61 144.61	12.91 12.54 NA 16.54 13.45 11.20 11.47	133.13 133.50 NA 128.07 131.16 133.41 133.14	NO NO NO NO NO NO	<5 ND 180 390 210	<5 5440 870 3000 740	<5 1750 740 1700 1300	<10 7350 2500 7500 3700	<5 979 <5.0 <200 <20	<5 530 210 600 270	<0.019 ND <0.020 0.063 <0.020	<5 NT 4.1J <200 <7.4	<10 NT <0.020 NT <10 uge Well 0	<100 NT 2,5J NT <50	<10 NT <0.020 NT <10	<5.0 NT <0.40 NT <20	<200 NT <33 NT <1700	<50 NT <1.0 NT <50	<100 NT 8.9J NT <340	<100 NT 140 NT <340	NT 25 260 25 8.1.
03538-MW08	8/31/2015 8/31/2015 DUP 09/29/1999 02/20/2012 08/26/2012 12/03/2014	8.29-18.29	144.61 DUP 143.78 143.78 143.78 143.78	11.15 DUP 11.54 15.59 12.62 10.43	133.46 DUP 132.24 128.19 131.16 133.35	ND DUP ND ND ND	180 1970 ND <0.20 <5.0 <0.13	475 7550 65.1 <1.7 <5.0 <0.33	1090 877 1110 <1.7 6.9 <0.33	2320 12000 5690 3.4J 29 <0.33	<25 <25 ND <0.40 <5.0 <0.40	283 478 410 4.1J 20 <0.40	<0.019 0.86 ND <0.019 <0.021 <0.020	<25 <25 NT <0.30 <5.0 <0.15	<50 <50 NT <0.20 NT <0.20	<500 <500 NT <1.0 NT <1.0	<50 <50 NT <0.20 NT <0.20	<25 <25 NT <0.40 NT <0.40	<1000 <1000 NT <33 NT <33	<250 <250 NY <1.0 NY <1.0	<500 <500 NT 18J NT <6.7	647 1410 NT 72J NT <6.7	NT 16 140 20 31
0353E-MW09	12/13/2014 8/31/2015 09/29/1999 02/20/2012 08/26/2012 12/03/2014	8.33-18.33	143.78 143.78 NA NA NA	10.61 10.32 12.08 NL NL	133.17 133.45 NA NL NL	ND ND ND ND ND	<5 NO	<s ND</s 	<5 ND	<10 1,46	<5 ND	<5 ND	<0.020 ND	<5 NT	vige Well C <10 NT Not Locate Not Locate Not Locate	<100 NT	<10 NT	<5.0 NT	<200 NT	<50 NT	<100 NT	<100 NT	12
03538-WW10	12/13/2014 8/31/2015 08/29/1899 02/20/2012 08/26/2012 12/03/2014	TD:18.25	NA NA NA NA NA	NL NL 15.65 12.41 NL	NL NA NA NA NA	NO NO NO NO NO	ND <0.20 <5.0	4.09 <1.7 <5.0	2.63 <1.7 <5.0	7.43 <1.7 <5.0	14.15 <0.40 <5.0	ND <1.7 <5.0	ND <0.023 <0.019	NT <0.30 <5.0	Not Locate Not Locate NT <0.20 NT Not Locate	NT <1.0 NT	NT <0.20 NT	NT <0.40 NT	NT <33	NT <1.0 NT	NT <6.7 NT	NT <6.7 NT	13 2.1 11
0353E-MW10R	12/13/2014 8/31/2015 12/03/2014 12/13/2014	1,61-11,61	NA NA 143.81 143.81	NL NL 10.35 10.62	NL NL 133,48 133,19	NO NO NO	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.021	<0.15 Gr	Not Locate Not Locate <0.20 ruge Well C	<1.0	<0.20	<0.40	<33	<1.0	<6.7	<6.7	
03538-WW11	8/31/2015 09/29/1999 02/20/2012 06/26/2012 12/03/2014 12/13/2014	8,42-18,42	143,81 145,68 145,68 145,68 145,68	10.29 12.75 17.85 14.39 12.84 12.70	133.52 132.93 127.83 131.29 133.04 132.98	NO NO NO NO NO NO	<5.0 <0.13	<5.0 <0.33	<5.0 <0.33	<10 11.18 <5.0 <0.13	<5 ND <5.0 <0.40	<5.0 <0.40	<0.019 ND <0.020 <0.020	<5.0 <0.15	<10 NT Sampled - NT <0.20 suge Well C	NT <1.0	NT NT <0.20	<5.0 NT NT <0.40	<200 MT NT <33	<50 NT NT <1.0	*100 NT NT <6.7	NT NT <8.7	12 15 8.9
03538-MW14	8/31/2015 09/29/1999 02/20/2012 06/25/2012 12/03/2014 12/12/2014	8.29-18.29	145.68 144.36 144.36 144.35 144.35 144.35	13,69 11.87 16.35 N/A NL NA 11.39	131.99 132.49 128.01 NA NL NA 132.97	ND ND ND ND NL NA	<5 591 530 13	<5 1350 3100 16	<5 640 1500 73 5.3	<10 2123 4400 49	<5 8.68 <0.40 <5.0	<5 8,4 260 46	<0.010 ND 0.21 <0.019	<0.15	<10 NT <0.20 NT Not Locate <0.20 suge Well C	<1.0	<10 NT <0.20 NT	<5.0 NT <10 NT <0.40	<200 NT <33 NT	<1.0 NT <1.0 NT	<100 NT 9.5J NT ≪6.7	<100 NT 630 NT	N' 16 5: 3.0
03538-MW15	12/13/2014 8/31/2015 06/26/2012 12/03/2014 12/13/2014	10.00-20.00	144.35 143.54 143.54 143.54	13.11 12.78 10.46 10.62	131,25 130,76 133,08 132,92	ND ND ND	3,4J 92 <0.13	<5 280 <0.33	10.9 140 <0.33	<10 380 <0.33	<5 <25 <0.40	3.4 39 <0.40	<0.019 0.05 <0.020		<10 NT <0.20 tuge Well 0	<100 NT <1.0 Only	<10 NT <0.20	<5.0 NT <0.40	<200 NT <33	<50 NT <1.0	<100 NT <6.7	<100 NT <8.7	8.6 <1
03538-MW16	8/31/2015 06/26/2012 12/03/2014 12/13/2014 8/31/2015	11.00-21.00	143.54 144.33 144.33 144.33	12.32 13.43 11.18 11.42 14.48	131,22 130,90 133,15 132,91 129,85	ND ND ND ND	180 1.3 759	580 0.62J	<5 83 <0.33	380 0.88J	5.4J 1.1	<5 39 <0.40	0.59 0.031 0.48	<5 <25 <0.15 G.	NT <0.20 uge Well C	NT <1.0 Only	NT <0.20	NT <0.40	NT <33	NT <1.0	NT <8.7	NT <6.7	10 <1 N
03538-MW17	05/26/2012 12/03/2014 12/13/2014 8/31/2015	11.00-21.00	145.08 145.08 145.08 145.08	13.98 11.92 12.10 11.72	131.12 133.16 132.98 133.36	ND ND ND ND	880 230 5020	1500 600 8730	1500 1000 1200 <5.0	5700 5000 6430 <5.0	20J <20 331 <5.0	98D 340 391 <5.0	2.8 0.7 9.5 <0.020	<100 <7.4 0. 20.5J <5.0	NT <10 suge Well C <50 NT	NT <50 Only <500 NT	NT <10	NT <20	NT <1700 <1000 NT	NT <50 <250 NT	421J NT	NT <340 4930 .	3: 3: N'
03538-MW18	08/26/2012 12/03/2014 12/13/2014 8/31/2015 12/03/2014	11.00-21.00	145.79 145.79 145.79 145.79 143.67	14.44 12.42 12.60 12.28 9.79	131,35 133,37 133,19 133,51 133,88	ND ND ND ND	<5.0 <0.13 2720 <0.13	<5.0 <0.33 14500 <0.33	2050 <0.13	14700 <0.33	<0.40 <1000 <0.40	21 2450 <0.40	<0.020 <0.019 4.3 <0.020	<0.15 G: <1000 <0.15	<0.20 auge Well 0 <2000 <0.20	<1,0 Only <20000 <1,0	<0.20 <2000 <0.20	<0.40 <1000 <0.40	<13	<1.0 <10000	12J <20000 <6.7	<6.7 25200 <6.7	<1 N
03538-MW19 03538-MW20	12/13/2014 8/31/2015 12/03/2014 12/13/2014	2.12-12.12 4.50-14.50	143,67 143,67 143,93 143,93	10.68 10.74 10.97 11.17	133.01 132.93 132.95 132.76	NO NO NO	<5 <0.13	<5 <0.33	<5 <0.33	<10	<5 <0.40	<5 <0.40	<0.019	<5 <0.15 G	<10 <0.20 suge Well (<1.00 <1.0 Only	<10 <0.20	<5.0 <0.40	<200 <33	<50 <1.0	<100 <6.7	<100 <6.7	<1.
03538-MW21	8/31/2015 12/03/2014 12/13/2014 8/31/2015 13/03/2014	2.75-12.75	143.93 143.25 143.25 143.25 145.03	11.80 10.38 10.60 10.91	132.13 132.87 132.65 132.34 135.11	NO NO NO NO	<5 <0.11 <5 <0.13	<5 <0.33 <5 <0.33	<5 <0.33 <5 <0.33	<10 <0.33 <10 <0.33	<5 <0.40 <5 <0.40	<5 <0.40 <5 <0.40	<0.019 <0.020 <0.019 <0.020	<5 <0.15 G:	<0.20 auge Well (<10 <0.20	<100 <1.0 Only <100 <1.0	<10 <0.20 <10 <0.20	<5.0 <0.40 <5.0 <0.40		<50 <1.0 <50 <1.0	<6.7 <100 <6.7	<6.7 <100 <6.7	6.
03538-MW22	12/03/2014 12/12/2015 12/13/2015 8/31/2015 12/03/2014	5.09-15.09	145.03 145.03 145.03 145.03	9.92 NA 12.16 11.53	135.11 NA 132.87 133.50 131.05	NO NO NO	<0.13 <0.13 <5 <0.13	<0.33 <0.33	<0.33 <0.33 <5 <0.31	<0.33 <0.33 <10 <0.33	<0.40 <5 <0.40	<0.40 <0.40	<0.020 <0.020 <0.020 <0.020	<0.15 G: <5 <0.15	<0.20 auge Well 0 <10 <0.20	<1.0 Only <100 <1.0	<0.20 <10 <0.20	<0.40 <5.0 <0.40	<33 <200	<1.0 <50 <1.0	<6.7 <100 <6.7	<6.7 <100 <6.7	N 3.
03538-MW22D 03538-MW23	12/13/2014 8/31/2015 12/03/2014 12/12/2015	39 21-44.23 5.57-15.57	144,89 144,89 143,63 143,63	13,82 11,53 11,90 NA	131.07 133.35 131.73 NA	NO NO NO	<5 <0.13 <0.13	<5 <0.33 <0.33	<5 <0.33 <0.33	<10 <0.33 <0.33	<5 <0.40 <0.40	<5 <0.40 <0.40	<0.019 <0.020 <0.020	<5 <0.15 <0.15	<10 <0.20 <0.20	<1.0 <1.0 <1.0	<10 <0.20 <0.20	<5.0 <0.40 <0.40	<200 <33 <33	<50 <1.0 <1.0	<100 <6.7 <6.7	<100 <6.7 <6.7	A N
03538-MW23 03538-MW24	12/13/2015 8/31/2015 12/03/2014 12/13/2014	2.99-12.99	143,63 143,63 143,78 143,78	10.77 15.00 10.81 11.03	132.86 128.63 132.97 132.75	NO NO NO NO	<5 <0.13	16.4 <0.23	<5 <0.33	<10 <0.33	<5 <0.40	4.2J <0.40	<0.023 <0.020	<5 <0.15 G	<10 <0.20 auge Well (<100 <1.0 Only	<10	<5.0 <0.40	<200 <33	<50 <1.0	<100 <6.7	<100 <8.7	2
03538-MW25	8/31/2015 12/03/2014 12/13/2014 8/31/2015	3.16-13.16	143.78 144.04 144.04 144.04	10.66 11.08 DRY	133.38 132.96 DRY	ND ND ND	<0.13				<0.40	<0.40		<0.15 G No	<0.20 auge Well 0 t Sampled -	<1.0 Only DRY	<0.20	100 m		<1.0	46.7	<6.7	3.
03538-MW26	12/03/2014 12/13/2014 8/31/2015	4,86-14,86	144.95 144.95 144.95	11.84 12.09 14.27	133,12 132,87 130,69	ND ND ND	<0.13 <5	<5	<0.33	<0.33	<0.40 <5 <0.40	4.0J <0.40	<0.020 <0.020 <0.020	<0.15 G <5 <0.15	<10	<1.0 Only <100 <1.0	<0.20 <10 <0.20	<0.40 <5.0 <0.40	<200	<1.0 <50 <1.0	<6.7 <100 <6.7	<5.7 <100 <6.7	3.
03538-MW27	12/03/2014 12/13/2014 8/31/2015 12/03/2014	5,05-15,05	144.77 144.77 144.77 142.71	11.37 11.50 14.31 9.97	133.40 133.27 130.46 132.74	ND ND ND	<0.13 <5 <0.13	<0.33 <5 <0.31	<0.33 <5 <0.33	<0.33 <10 <0.33	<0.40 <5 <0.40	<0.40 <5 <0.40	<0.020 <0.020 <0.020	<5 <0.15	<10 <0.20	0nly <100 <1.0	<10 <0.20	<5.0 <0.40	<200	<50 <1.0	<100	<100 <6.7	1
03538-MW28	12/13/2014 8/31/2015 09/29/1999 02/20/2012 06/26/2012	2.97-12.97	142.71 142.71 145.77 145.77 145.77	10.10 10.59 12.79 17.75 14.65	132.61 132.12 132.98 128.02 131.12	ND ND ND ND	<5 89.6 <0.20 <5.0	<5 289 <1.7 <5.0	<5 91.5 <1.7 <5.0	<10 377 <1.7 <5.0	<5 15 <0.40 <5.0	4.2J 5 2.6J <5.0	<0.020 ND <0.019 <0.020		<10 <10 NT <0.20 NT	<100 NT <1.0 NT	<10 NT <0.20 NT	<5.0 NT <0.40 NT	<200 NT <33 NT	<50 NT <1.0 NT	<100 NT <6.7 NT	<100 NT <8.7 NT	3.
03538-TW01	12/03/2014 12/12/2014 12/13/2014 12/13/2015 08/26/2012	31,00-36,00	145.77 145.77 145.77 145.77 145.77	NL NA 12.69 12.26 13.95	NL NA 133.08 133.51 130.03	ND NA ND ND	<0.13 564 <5.0	<0.33 4820 <5.0	<0.33 1430 <5.0	<0.33 7990 <5.0	<0.40 <100 <5.0	<0.40 525 <5.0	0.13	<100 <5.0	<200 NT	<1.0 Only <2000 NT	<0.20 <200 NT	<0.40	<4000 NT	<1.0 <1000 NT	<5.7 <2000 NY <6.7	<6.7 <2000 NT <6.7	N 1
03538-TW02	12/03/2014 12/13/2014 8/31/2015	31,00-36,00	143,98 143,98 143,98	10.79 11.93 11.63	133.19 132.05 132.35	ND ND	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.020	<0.15	<0.20 auge Well (<10	<1.0 Only <100	<0.20	<5.0		<1.0 <50	<5.7	<100	<1 N

Pace Analytical Services, Inc. 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 (704)875-9092



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

trey.carter@pacelabs.com

The Ct

Project Manager

Enclosures







CERTIFICATIONS

Project:

COASTAL 76 TRUCK STOP

Pace Project No.:

92265825

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627 Kentucky UST Certification #: 84 West Virginia Certification #: 357 Virginia/VELAP Certification #: 460221



SAMPLE SUMMARY

Project:

COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

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	Lab ID	Sample ID	Matrix	Date Collected	Date Received
92265825003 MW-3 92265825004 MW-4 92265825005 MW-6 92265825006 MW-7 92265825006 MW-7 92265825007 MW-8 92265825008 MW-10R 92265825008 MW-10R 92265825009 MW-11 92265825009 MW-14 92265825009 MW-14 92265825009 MW-14 92265825010 MW-15 92265825010 MW-15 92265825011 MW-15 92265825011 MW-15 92265825011 MW-16 92265825011 MW-16 92265825012 MW-16 92265825013 MW-17 92265825014 MW-18 92265825015 MW-19 92265825015 MW-19 92265825016 MW-20 92265825017 MW-19 92265825018 MW-20 92265825019 MW-20 92265825010 MW-20 92265825020 MW-2	92265825001	MW-1	Water	08/31/15 13:07	09/01/15 14:55
92265825006 MW-6 Water 08/31/15 11:25 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 11:55 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 11:52 09/01/15 14:55 92265825010 MW-14 Water 08/31/15 11:23 09/01/15 14:55 92265825010 MW-15 Water 08/31/15 11:23 09/01/15 14:55 92265825011 MW-15 Water 08/31/15 10:34 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 10:34 09/01/15 14:55 92265825014 MW-18 Water 08/31/15 10:35 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 10:31 09/01/15 14:55 92265825018 MW-20 Water 08/31/15 10:31 09/01/15 14:55 92265825019 MW-21 Water 08/31/15 10:31 09/01/15 14:55 92265825019 MW-22 Water 08/31/15 10:31 09/01/15 14:55 92265825019 MW-22 Water 08/31/15 10:31 09/01/15 14:55 92265825019 MW-22 Water 08/31/15 10:10 09/01/15 14:55 92265825019 MW-22 Water 08/31/15 11:18 09/01/15 14:55 92265825019 MW-22 Water 08/31/15 11:18 09/01/15 14:55 92265825020 MW-23 Water 08/31/15 11:18 09/01/15 14:55 92265825020 MW-23 Water 08/31/15 11:10 09/01/15 14:55 92265825020 MW-23 Water 08/31/15 11:30 09/01/15 14:55 92265825020 MW-23 Water 08/31/15 11:30 09/01/15 14:55 92265825020 MW-23 Water 08/31/15 11:30 09/01/15 14:55 92265825020 MW-23 Water 08/31/15 11:30 09/01/15 14:55 92265825020 MW-23 Water 08/31/15 11:30 09/01/15 14:55 92265825020 MW-26 Water 08/31/15 11:40 09/01/15 14:55 92265825020 MW-27 Water 08/31/15 11:40 09/01/15 14:55 92265825020 MW-27 Water 08/31/15 11:40 09/01/15 14:55 92265825020 MW-28 Water 08/31/15 11:40 09/01/15 14:55 92265825020 MW-28 Water 08/31/15 11:40 09/01/15 14:55 92265825020 MW-29 Water 08/31/15 11:40 09/01/15 14:55 92265825020 MW-29 Water 08/31/15 11:40 09/01/15 14:55 92265825020 MW-29 Water 08/31/15 11:40 09/01/15 14:55 92265825020 MW-7 DUP Water 08/31/15 11:50 09/01/15 14:55 92265825020 IGW-A DUP	92265825002	MW-2	Water	08/31/15 12:42	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 11:21 09/01/15 14:55 92265825010 MW-14 Water 08/31/15 11:23 09/01/15 14:55 92265825010 MW-15 Water 08/31/15 10:44 09/01/15 14:55 92265825011 MW-15 Water 08/31/15 10:59 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 10:34 09/01/15 14:55 92265825014 MW-18 Water 08/31/15 10:35 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 10:26 09/01/15 14:55 92265825019 MW-22D 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 10:47 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 10:20 09/01/15 14:55 92265825020 MW-27 Water 08/31/15 10:20 09/01/15 14:55 92265825020 MW-27 Water 08/31/15 10:20 09/01/15 14:55 92265825020 MW-27 Water 08/31/15 10:20 09/01/15 14:55 92265825020 MW-28 Water 08/31/15 10:20 09/01/15 14:55 92265825020 FIELD BLANK Water 08/31/15 11:50 09/01/15 14:55 92265825020 MW-7 DUP Water 08/31/15 11:55 09/01/15 14:55 92265825020 MW-7 DUP Water 08/31/15 11:55 09/01/15 14:55 92265825020 IGW-A DUP Water 08/31/15 11:55 09/01/15 14:55	92265825003	MW-3	Water	08/31/15 13:13	09/01/15 14:55
92265825006 MW-7 92265825007 MW-8 92265825007 MW-8 92265825008 MW-10R Water 08/31/15 11:52 92265825008 MW-11 Water 08/31/15 11:52 92265825009 MW-11 Water 08/31/15 11:23 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 92265825013 MW-17 Water 08/31/15 10:59 92265825014 MW-18 Water 08/31/15 13:15 92265825015 MW-19 Water 08/31/15 10:35 92265825016 MW-20 Water 08/31/15 10:35 92265825017 MW-21 Water 08/31/15 10:35 92265825018 MW-22 Water 08/31/15 10:26 92/01/15 14:55 92265825019 MW-22D Water 08/31/15 11:18 09/01/15 14:55 92265825019 MW-22D Water 08/31/15 10:47 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 10:20 09/01/15 14:55 92265825023 MW-27 Water 08/31/15 10:20 09/01/15 14:55 92265825024 TW-1 Water 08/31/15 10:20 09/01/15 14:55 92265825025 TW-2 Water 08/31/15 10:20 09/01/15 14:55 92265825026 GGWA-A Water 08/31/15 10:20 09/01/15 14:55 92265825027 FIELD BLANK Water 08/31/15 12:03 09/01/15 14:55 92265825028 GGWA-A DUP Water 08/31/15 12:03 09/01/15 14:55 92265825029 IGWA-A DUP	92265825004	MW-4	Water	08/31/15 12:51	09/01/15 14:55
92265825007 MW-8 92265825008 MW-10R Water 08/31/15 11:52 09/01/15 14:55 92265825009 MW-11 Water 08/31/15 11:52 09/01/15 14:55 92265825010 MW-14 Water 08/31/15 11:23 09/01/15 14:55 92265825011 MW-15 92265825011 MW-15 92265825012 MW-16 92265825013 MW-17 Water 08/31/15 10:59 09/01/15 14:55 92265825013 MW-17 Water 08/31/15 10:59 09/01/15 14:55 92265825014 MW-18 Water 08/31/15 12:34 09/01/15 14:55 92265825015 MW-19 92265825016 MW-20 Water 08/31/15 10:35 09/01/15 14:55 92265825017 MW-21 Water 08/31/15 10:31 09/01/15 14:55 92265825018 MW-22 Water 08/31/15 10:36 09/01/15 14:55 92265825019 MW-22D Water 08/31/15 11:18 09/01/15 14:55 92265825019 MW-22D Water 08/31/15 11:18 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 10:47 09/01/15 14:55 92265825020 MW-27 Water 08/31/15 10:47 09/01/15 14:55 92265825023 MW-26 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 13:01 09/01/15 14:55 92265825026 IGWA-A Water 08/31/15 13:00 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 11:50 09/01/15 14:55 92265825029 IGWA-A DUP	92265825005	MW-6	Water	08/31/15 11:27	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 10:35 09/01/15 14:55 92265825017 MW-21 Water 08/31/15 10:31 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 11:18 09/01/15 14:55 92265825019 MW-23 Water 08/31/15 10:47 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 10:20 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 11:44 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 11:00 09/01/15 14:55 92265825027 FIELD BLANK Water 08/31/15 11:00 09/01/15 14:55 92265825028 IGWA-A DUP Water 08/31/15 11:50 09/01/15 14:55 92265825029 IGWA-A DUP	92265825006	MW-7	Water	08/31/15 11:55	09/01/15 14:55
92265825010 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 10:24 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 10:31 09/01/15 14:55 92265825018 MW-22 Water 08/31/15 10:26 09/01/15 14:55 92265825019 MW-22 Water 08/31/15 11:18 09/01/15 14:55 92265825019 MW-22D Water 08/31/15 11:18 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 12:00 09/01/15 14:55 92265825022 MW-27 Water 08/31/15 10:20 09/01/15 14:55 92265825024 TW-1 Water 08/31/15 10:20 09/01/15 14:55 92265825025 TW-2 Water 08/31/15 13:01 09/01/15 14:55 92265825026 IGWA-A Water 08/31/15 13:00 09/01/15 14:55 92265825027 FIELD BLANK Water 08/31/15 13:20 09/01/15 14:55 92265825029 IGWA-A DUP Water 08/31/15 11:55 09/01/15 14:55 92265825029 IGWA-A DUP 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
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 10:35 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 92265825029 MW-23 Water 08/31/15 10:47 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 10:20 09/01/15 14:55 92265825022 MW-27 Water 08/31/15 10:20 09/01/15 14:55	92265825008	MW-10R	Water	08/31/15 11:52	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 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 13:01 09/01/15 14:55 92265825024 TW-1 Water 08/31/15 13:01 09/01/15 14:55	92265825009	MW-11	Water	08/31/15 12:18	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 92265825020 MW-23 Water 08/31/15 10:47 09/01/15 14:55 92265825021 MW-26 Water 08/31/15 10:47 09/01/15 14:55 92265825022 MW-27 Water 08/31/15 12:10 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	92265825010	MW-14	Water	08/31/15 11:23	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 12:10 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 13:01 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 OUP	92265825011	MW-15	Water	08/31/15 10:44	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 11:13 09/01/15 14:55 92265825021 MW-26 Water 08/31/15 10:47 09/01/15 14:55 92265825022 MW-27 Water 08/31/15 12:10 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 13:01 09/01/15 14:55 92265825026 IGWA-A Water 08/31/15 13:00 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 11:55 09/01/15 14:55	92265825012	MW-16	Water	08/31/15 10:59	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 10:47 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 10:20 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 11:44 09/01/15 14:55 92265825025 TW-2 Water 08/31/15 11:03 09/01/15 14:55 92265825026 IGWA-A Water 08/31/15 13:20 09/01/15 14:55 92265825027 FIELD BLANK Water 08/31/15 11:55 09/01/15 14:55	92265825013	MW-17	Water	08/31/15 12:34	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 13:20 09/01/15 14:55 92265825027 FIELD BLANK Water 08/31/15 11:55 09/01/15 14:55 92265825029 IGWA-A DUP Water 08/31/15 12:03 09/01/15	92265825014	MW-18	Water	08/31/15 13:15	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 10:47 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 10:20 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 12:03 09/01/15 14:55 92265825026 IGWA-A Water 08/31/15 12:03 09/01/15 14:55 92265825028 MW-7 DUP Water 08/31/15 12:03 09/01/15 14:55 92265825029 IGWA-A DUP Water 08/31/15 12:03 09/01/15 14:55	92265825015	MW-19	Water	08/31/15 10:35	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 11:55 09/01/15 14:55	92265825016	MW-20	Water	08/31/15 10:31	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	92265825017	MW-21	Water	08/31/15 10:26	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	92265825018	MW-22	Water	08/31/15 11:18	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	92265825019	MW-22D	Water	08/31/15 11:13	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	92265825020	MW-23	Water	08/31/15 10:47	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	92265825021	MW-26	Water	08/31/15 12:10	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	92265825022	MW-27	Water	08/31/15 12:30	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	92265825023	MW-28	Water	08/31/15 10:20	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	92265825024	TW-1	Water	08/31/15 13:01	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	92265825025	TW-2	Water	08/31/15 11:44	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	92265825026	IGWA-A	Water	08/31/15 12:03	09/01/15 14:55
92265825029 IGWA-A DUP 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
92265825030 TRIP BLANK Water 08/31/15 13:21 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



SAMPLE ANALYTE COUNT

Project:

COASTAL 76 TRUCK STOP

Pace Project No.: 92

92265825

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92265825001	MW-1	EPA 8011	RES		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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc..



SAMPLE ANALYTE COUNT

Project:

COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	CCL	20	PASI-C
92265825020	MW-23	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92265825021	MW-26	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
2265825022	MW-27	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
2265825023	MW-28	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
2265825024	TW-1	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
2265825025	TW-2	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
2265825026	IGWA-A	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
2265825027	FIELD BLANK	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
2265825028	MW-7 DUP	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92265825029	IGWA-A DUP	EPA 8011	RES	2	PASI-C
		EPA 8260	CCL	20	PASI-C
92265825030	TRIP BLANK	EPA 8260	CCL	20	PASI-C



Project:

COASTAL 76 TRUCK STOP

Pace Project No.: 9

92265825

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifier
2265825001	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	
PA 8260	Ethylbenzene	976	ug/L	50.0	09/02/15 16:18	
PA 8260	Methyl-tert-butyl ether	288	ug/L	50.0	09/02/15 16:18	
PA 8260	Naphthalene	332	ug/L	50.0	09/02/15 16:18	
PA 8260	Toluene	7020	ug/L	250	09/03/15 12:06	
PA 8260	Xylene (Total)	5230	ug/L	100	09/02/15 16:18	
PA 8260	m&p-Xylene	3500	ug/L	100	09/02/15 16:18	
PA 8260	o-Xylene	1730	ug/L	50.0	09/02/15 16:18	
2265825002	MW-2					
PA 8011	1,2-Dibromoethane (EDB)	8.4	ug/L	0.20	09/03/15 21:54	
PA 8260	tert-Amyl Alcohol	4600	ug/L	500	09/02/15 16:35	
PA 8260	Benzene	4760	ug/L	500	09/03/15 12:23	
PA 8260	tert-Butyl Alcohol	420J	ug/L	500	09/02/15 16:35	
PA 8260	1,2-Dichloroethane	21.9J	ug/L	25.0	09/02/15 16:35	
PA 8260	Ethylbenzene	996	ug/L	25.0	09/02/15 16:35	
PA 8260	Methyl-tert-butyl ether	317	ug/L	25.0	09/02/15 16:35	
PA 8260	Naphthalene	355	ug/L	25.0	09/02/15 16:35	
PA 8260	Toluene	7890	ug/L	500	09/03/15 12:23	
PA 8260	Xylene (Total)	5870	ug/L	1000	09/03/15 12:23	
PA 8260	m&p-Xylene	3970	ug/L	1000	09/03/15 12:23	
PA 8260	o-Xylene	1900	ug/L	500	09/03/15 12:23	
2265825003	MVV-3					
PA 8011	1,2-Dibromoethane (EDB)	6.6	ug/L	0.20	09/03/15 22:13	
PA 8260	tert-Amyl Alcohol	5120	ug/L	500	09/02/15 16:51	
PA 8260	Benzene	4220	ug/L	500	09/03/15 12:40	
PA 8260	tert-Butyl Alcohol	431J	ug/L	500	09/02/15 16:51	
PA 8260	1,2-Dichloroethane	19.9J	ug/L	25.0	09/02/15 16:51	
PA 8260	Ethylbenzene	972	ug/L	25.0	09/02/15 16:51	
PA 8260	Methyl-tert-butyl ether	312	ug/L	25.0	09/02/15 16:51	
PA 8260	Naphthalene	375	ug/L	25.0	09/02/15 16:51	
PA 8260	Toluene	7460	ug/L	500	09/03/15 12:40	
PA 8260	Xylene (Total)	5810	ug/L	1000	09/03/15 12:40	
PA 8260	m&p-Xylene	3880	ug/L	1000	09/03/15 12:40	
PA 8260	o-Xylene	1920	ug/L	500	09/03/15 12:40	
2265825004	MW-4					
PA 8011	1,2-Dibromoethane (EDB)	6.9	ug/L	0.19	09/03/15 22:32	
PA 8260	tert-Amyl Alcohol	5100	ug/L	500	09/02/15 17:08	
PA 8260	Benzene	4390	ug/L	500	09/03/15 12:57	
PA 8260	tert-Butyl Alcohol	439J	ug/L	500	09/02/15 17:08	
PA 8260	1,2-Dichloroethane	19.6J	ug/L	25.0	09/02/15 17:08	
PA 8260	Ethylbenzene	953	ug/L	25.0	09/02/15 17:08	
PA 8260	Methyl-tert-butyl ether	301	ug/L	25.0	09/02/15 17:08	
PA 8260	Naphthalene	366	ug/L	25.0	09/02/15 17:08	



Project:

COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifier
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		
2265825010	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	
2265825012	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	
PA 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	
PA 8260	Naphthalene	70.1	ug/L		09/02/15 21:39	
EPA 8260	Toluene	138	-	5.0	09/02/15 21:39	
EPA 8260			ug/L			
	Xylene (Total)	211	ug/L	10.0	09/02/15 21:39	
EPA 8260 EPA 8260	m&p-Xylene o-Xylene	142 68.5	ug/L ug/L	10.0 5.0	09/02/15 21:39 09/02/15 21:39	
2265825013	MW-17	33.3	-3· -	0.0	13.0 <u>2</u> 3 <u>2</u> 1.00	
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		09/02/15 17:42	
EPA 8260	Benzene	5020	ug/L ug/L		09/03/15 17:42	
EPA 8260	tert-Butyl Alcohol	421J	-		09/02/15 17:42	
EPA 8260	1,2-Dichloroethane	20.5J	ug/L	25.0		
EPA 8260	Ethylbenzene		ug/L		09/02/15 17:42	
	•	1200	ug/L		09/03/15 13:31	
PA 8260	Methyl-tert-butyl ether	331	ug/L	25.0	09/02/15 17:42	
EPA 8260	Naphthalene	391	ug/L	25.0		
PA 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	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc..



Project:

COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
2265825014	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	
PA 8260	Xylene (Total)	14700	ug/L	2000	09/02/15 17:59	
PA 8260	m&p-Xylene	9830	ug/L	2000	09/02/15 17:59	
PA 8260	o-Xylene	4870	ug/L	1000	09/02/15 17:59	
2265825020	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	
2265825021	MW-26					
EPA 8260	Naphthalene	4.0J	ug/L	5.0	09/02/15 18:33	
2265825023	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	
2265825024	TW-1					
PA 8011	1,2-Dibromoethane (EDB)	0.13	ug/L	0.019	09/03/15 21:25	
PA 8260	Benzene	564	ug/L	100	09/02/15 19:57	
PA 8260	Ethylbenzene	1430	ug/L	100	09/02/15 19:57	
PA 8260	Naphthalene	525	ug/L	100	09/02/15 19:57	
PA 8260	Toluene	4820	ug/L	250	09/03/15 13:47	
PA 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	
PA 8260	o-Xylene	2420	ug/L	100	09/02/15 19:57	
2265825026	IGWA-A					
PA 8011	1,2-Dibromoethane (EDB)	0.26	ug/L	0.019	09/03/15 22:26	
PA 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	
PA 8260	Ethylbenzene	933	ug/L	100	09/02/15 20:14	
PA 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	
2265825028	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	
PA 8260	Toluene	7550	ug/L	250	09/03/15 14:21	
PA 8260	Xylene (Total)	12000	ug/L	500	09/03/15 14:21	



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	



Project:

COASTAL 76 TRUCK STOP

Pace Project No.:

Date: 09/08/2015 04:39 PM

92265825

Sample: MW-1	Lab ID:	92265825001	Collected	1: 08/31/1	5 13:07	Received: 09/	01/15 14:55 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA	8011 Prepar	ation Meth	od: EPA	A 8011			
1,2-Dibromoethane (EDB) Surrogates	6.2	ug/L	0.19	0.19	10	09/02/15 16:49	09/03/15 21:34	106-93-4	
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		
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	



Project:

COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Date: 09/08/2015 04:39 PM

Sample: MW-2	Lab ID:	92265825002	Collected	1: 08/31/1	5 12:42	Received: 09/	01/15 14:55 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA		ation Meth	od: EPA	A 8011			
1,2-Dibromoethane (EDB) Surrogates	8.4	ug/L	0.20	0.20	10	09/02/15 16:49	09/03/15 21:54	106-93-4	
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	
ert-Butyl Alcohol	420J	ug/L	500	288	5		09/02/15 16:35	75-65-0	
ert-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	
n&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	



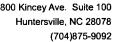
Project:

COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Date: 09/08/2015 04:39 PM

Sample: MW-3	Lab ID:	92265825003	Collected	: 08/31/1	5 13:13	Received: 09/	/01/15 14:55 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ation Meth	od: EPA	A 8011			
1,2-Dibromoethane (EDB) Surrogates	6.6	ug/L	0.20	0.20	10	09/02/15 16:49	09/03/15 22:13	106-93-4	
1-Chloro-2-bromopropane (S)	0	%	60-140		10	09/02/15 16:49	09/03/15 22:13	301-79-56	S4
B260 MSV	Analytical	Method: EPA 8	3260						
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	
3enzene	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	
ert-Butyl Alcohol	431J	ug/L	500	288	5		09/02/15 16:51	75-65-0	
ert-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	





Project:

COASTAL 76 TRUCK STOP

Pace Project No.:

Date: 09/08/2015 04:39 PM

92265825

Sample: MW-4	Lab ID:	92265825004	Collected	d: 08/31/15	12:51	Received: 09/	01/15 14:55 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytica	Method: EPA 8	011 Prepar	ation Metho	od: EPA	A 8011			
1,2-Dibromoethane (EDB) Surrogates	6.9	ug/L	0.19	0.19	10	09/02/15 16:49	09/03/15 22:32	106-93-4	
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	Analytica	Method: EPA 8	260						
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	



Project:

COASTAL 76 TRUCK STOP

Pace Project No.:

Date: 09/08/2015 04:39 PM

92265825

Sample: MW-6	Lab ID:	92265825005	Collected	1: 08/31/15	11:27	Received: 09/	01/15 14:55 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepar	ation Metho	od: EPA	A 8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.019	0.019	1	09/02/15 16:49	09/03/15 07:51	106-93-4	
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 8	3260						
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	
Ethyi-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		ū							
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	



Project:

COASTAL 76 TRUCK STOP

Pace Project No.:

Date: 09/08/2015 04:39 PM

92265825

Sample: MW-7	Lab ID:	92265825006	Collected	: 08/31/15	11:55	Received: 09/	01/15 14:55 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ation Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.019	0.019	1	09/02/15 16:50	09/03/15 08:11	106-93-4	
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 8	260						
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	
ert-Butyl Alcohol	ND	ug/L	500	288	5		09/02/15 17:25	75-65-0	
ert-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		J –			_				
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	



Project:

COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Date: 09/08/2015 04:39 PM

Sample: MW-8	Lab ID:	92265825007	Collected	1: 08/31/1	5 11:33	Received: 09/	01/15 14:55 M	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepar	ation Methe	od: EPA	X 8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	09/02/15 16:50	09/03/15 08:30	106-93-4	
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 8	260						
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	



Project: COASTAL 76 TRUCK STOP

Date: 09/08/2015 04:39 PM

Pace Project No.: 92265825

Sample: MW-10R	Lab ID:	92265825008	Collected	d: 08/31/15	11:52	Received: 09/	01/15 14:55 M	atrix: Water	
D	Decide	l l=it=	Report	MDL	DF	Dennarad	Analyzad	CAS No.	Qual
Parameters —	Results	Units	Limit	MDL .	DF	Prepared	Analyzed		Quai
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepar	ration Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.019	0.019	1	09/02/15 16:50	09/03/15 08:49	106-93-4	
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 8	260						
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		
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		09/02/15 13:45		
Toluene-d8 (S)	112	%	70-130		1		09/02/15 13:45	2037-26-5	



Project:

COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Date: 09/08/2015 04:39 PM

Sample: MW-11	Lab ID:	92265825009	Collected	l: 08/31/15	5 12:18	Received: 09/	01/15 14:55 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ation Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	09/02/15 16:50	09/03/15 09:08	106-93-4	
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 8	260						
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		09/02/15 14:02	75-85-4	
ert-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	
ert-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	



Project:

COASTAL 76 TRUCK STOP

Pace Project No.:

Date: 09/08/2015 04:39 PM

92265825

Sample: MW-14	Lab ID:	92265825010	Collected	: 08/31/15	11:23	Received: 09/	01/15 14:55 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ation Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.019	0.019	1	09/02/15 16:50	09/03/15 09:27	106-93-4	
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 8	260						
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		
Surrogates		J							
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	



Project:

COASTAL 76 TRUCK STOP

Pace Project No.:

Date: 09/08/2015 04:39 PM

92265825

Sample: MW-15	Lab ID:	92265825011	Collected	d: 08/31/15	5 10:44	Received: 09/	01/15 14:55 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	3011 Prepar	ation Metho	od: EPA	X 8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.019	0.019	1	09/02/15 16:50	09/03/15 09:47	106-93-4	
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 8	3260						
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	



Project:

COASTAL 76 TRUCK STOP

Pace Project No.:

Date: 09/08/2015 04:39 PM

92265825

Sample: MW-16	Lab ID:	92265825012	Collected	d: 08/31/15	10:59	Received: 09/	01/15 14:55 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepar	ation Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	0.48	ug/L	0.020	0.020	1	09/02/15 16:50	09/03/15 10:06	106-93-4	
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 8	260						
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	



Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Date: 09/08/2015 04:39 PM

Sample: MW-17	Lab ID:	92265825013	Collected:	08/31/15	12:34	Received: 09/	01/15 14:55 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ition Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	9.5	ug/L	0.40	0.40	20	09/02/15 16:50	09/03/15 22:51	106-93-4	
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 8	260						
tert-Amyl Alcohol	4930	ug/L	500	384	5		09/02/15 17:42	75-85-4	
ert-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	
ert-Butyl Alcohol	421J	ug/L	500	288	5		09/02/15 17:42	75-65-0	
ert-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	
Kylene (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									
1-Bromofluorobenzene (S)	95	%	70-130		5		09/02/15 17:42		
1,2-Dichloroethane-d4 (S)	92	%	70-130		5		09/02/15 17:42		
Toluene-d8 (S)	102	%	70-130		5		09/02/15 17:42	2037-26-5	



Project:

COASTAL 76 TRUCK STOP

Pace Project No.:

Date: 09/08/2015 04:39 PM

92265825

Sample: MW-18	Lab ID:	92265825014	Collected	1: 08/31/1	5 13:15	Received: 09/	01/15 14:55 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepar	ation Meth	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	4.3	ug/L	0.22	0.22	11.11	09/02/15 16:50	09/03/15 23:10	106-93-4	
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 8	260						
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		- 3-							
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	



Project:

COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Date: 09/08/2015 04:39 PM

Sample: MW-19	Lab ID:	92265825015	Collected	: 08/31/15	10:35	Received: 09/	01/15 14:55 Ma	atrix: Water	
D	DII-	Llaite	Report	MDI	0.5	Decreed	A malumad	CACNA	0
Parameters	Results -	Units -	Limit ———————————————————————————————————	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ation Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.019	0.019	1	09/03/15 13:50	09/03/15 17:42	106-93-4	
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 8	260						
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		09/02/15 14:36	75-85-4	
ert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		09/02/15 14:36	994-05-8	
3enzene	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	
ert-Butyl Alcohol	ND	ug/L	100	57.7	1		09/02/15 14:36	75-65-0	M1
ert-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	
n&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	



Project:

COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Date: 09/08/2015 04:39 PM

Sample: MW-20	Lab ID:	92265825016	Collected	08/31/15	5 10:31	Received: 09/	01/15 14:55 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	3011 Prepara	ition Methe	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.019	0.019	1	09/03/15 13:50	09/03/15 18:02	106-93-4	
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 8	3260						
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		
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	



Project:

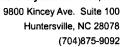
COASTAL 76 TRUCK STOP

Pace Project No.:

Date: 09/08/2015 04:39 PM

92265825

Sample: MW-21	Lab ID:	92265825017	Collected	i: 08/31/18	10:26	Received: 09/	01/15 14:55 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepar	ation Metho	od: EPA	X 8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.019	0.019	1	09/03/15 13:50	09/03/15 18:23	106-93-4	
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 8	3260						
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	
ert-Butyl Alcohol	ND	ug/L	100	57.7	1		09/02/15 15:27	75-65-0	
ert-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	





Project:

COASTAL 76 TRUCK STOP

Pace Project No.:

Date: 09/08/2015 04:39 PM

92265825

Sample: MW-22	Lab ID:	92265825018	Collected	1: 08/31/15	11:18	Received: 09/	01/15 14:55 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepar	ation Metho	od: EPA	x 8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	09/03/15 13:50	09/03/15 18:43	106-93-4	
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 8	260						
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		
Toluene-d8 (S)	103	%	70-130		1		09/02/15 15:44	2037-26-5	



Project:

COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Date: 09/08/2015 04:39 PM

Sample: MW-22D	Lab ID:	92265825019	Collected	l: 08/31/18	5 11:13	Received: 09/	01/15 14:55 Ma	atrix: Water	
			Report						
Parameters	Results -	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ation Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.019	0.019	1	09/03/15 13:50	09/03/15 19:03	106-93-4	
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 8	3260						
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	



Project:

COASTAL 76 TRUCK STOP

Pace Project No.:

Date: 09/08/2015 04:39 PM

92265825

Sample: MW-23	Lab ID:	92265825020	Collected	l: 08/31/15	10:47	Received: 09/	01/15 14:55 Ma	atrix: Water	
			Report						_
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	3011 Prepar	ation Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.023	0.023	1	09/03/15 13:50	09/03/15 20:04	106-93-4	
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	3260						
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		
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	



Project:

COASTAL 76 TRUCK STOP

Pace Project No.:

Date: 09/08/2015 04:39 PM

92265825

Sample: MW-26	Lab ID:	92265825021	Collected	: 08/31/15	12:10	Received: 09/	01/15 14:55 Ma	atrix: Water	
			Report						_
Parameters	Results _	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	3011 Prepara	ation Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	09/03/15 13:50	09/03/15 20:24	106-93-4	
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 8	3260						
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		
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		09/02/15 18:33		
Toluene-d8 (S)	102	%	70-130		1		09/02/15 18:33	2037-26-5	



Project:

COASTAL 76 TRUCK STOP

Pace Project No.:

92265825

Sample: MW-27	Lab ID:	92265825022	Collected	d: 08/31/18	12:30	Received: 09/	01/15 14:55 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL.	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	3011 Prepai	ation Metho	od: EPA	A 8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	09/03/15 13:51	09/03/15 20:45	106-93-4	
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 8	3260						
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	
ert-Butyl Alcohol	ND	ug/L	100	57.7	1		09/02/15 19:40	75-65-0	
ert-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	



Project:

COASTAL 76 TRUCK STOP

Date: 09/08/2015 04:39 PM

Pace Project No.: 92265825

Sample: MW-28	Lab ID:	92265825023	Collected	: 08/31/15	10:20	Received: 09/	01/15 14:55 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ation Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	09/03/15 13:51	09/03/15 21:05	106-93-4	
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 8	260						
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		09/02/15 18:50	75-85-4	
ert-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	
I,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		09/02/15 18:50	624-95-3	
ert-Butyl Alcohol	ND	ug/L	100	57.7	1		09/02/15 18:50	75-65-0	M1
ert-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	
Foluene	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	



Project:

COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Date: 09/08/2015 04:39 PM

Sample: TW-1	Lab ID:	92265825024	Collected	: 08/31/15	5 13:01	Received: 09/	01/15 14:55 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ation Metho	od: EPA	A 8011			
1,2-Dibromoethane (EDB) Surrogates	0.13	ug/L	0.019	0.019	1	09/03/15 13:51	09/03/15 21:25	106-93-4	
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 8	260						
tert-Amyl Alcohol	ND	ug/L	2000	1540	20		09/02/15 19:57	75-85-4	
tert-Amylmethyl ether	NĎ	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	



Project:

COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Date: 09/08/2015 04:39 PM

Sample: TW-2	Lab ID:	92265825025	Collecte	d: 08/31/18	5 11:44	Received: 09/	01/15 14:55 Ma	atrix: Water	
			Report						
Parameters	Results -	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA	8011 Prepai	ation Metho	od: EPA	X 8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.019	0.019	1	09/03/15 13:51	09/03/15 22:06	106-93-4	
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	



Project: COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Date: 09/08/2015 04:39 PM

Sample: IGWA-A	Lab ID:	92265825026	Collected	: 08/31/18	12:03	Received: 09/	01/15 14:55 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ation Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	0.26	ug/L	0.019	0.019	1	09/03/15 13:51	09/03/15 22:26	106-93-4	
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 8	260						
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	
ert-Butyl Alcohol	ND	ug/L	2000	1150	20		09/02/15 20:14	75-65-0	
ert-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	
Kylene (Total)	11500	ug/L	500	135	50		09/03/15 14:04	1330-20-7	
n&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		-							
1-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	



Project:

COASTAL 76 TRUCK STOP

Pace Project No.:

Date: 09/08/2015 04:39 PM

92265825

Sample: FIELD BLANK	Lab ID:	92265825027	Collected	: 08/31/15	5 13:20	Received: 09/	01/15 14:55 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	3011 Prepara	ation Metho	od: EPA	N 8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.019	0.019	1	09/03/15 13:51	09/03/15 22:46	106-93-4	
1-Chloro-2-bromopropane (S)	117	%	60-140		1	09/03/15 13:51	09/03/15 22:46	301-79-56	
B260 MSV	Analytical	Method: EPA 8	3260						
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	
ert-Butyl Alcohol	ND	ug/L	100	57.7	1		09/02/15 12:38	75-65-0	
ert-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		
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		09/02/15 12:38		
Toluene-d8 (S)	102	%	70-130		1		09/02/15 12:38	2037-26-5	



Project:

COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Date: 09/08/2015 04:39 PM

Sample: MW-7 DUP	Lab ID:	92265825028	Collected	08/31/15	5 11:55	Received: 09/	01/15 14:55 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ition Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	0.86	ug/L	0.097	0.097	5	09/03/15 13:51	09/04/15 17:06	106-93-4	C2
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 8	3260						
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	
ert-Butyl Alcohol	ND	ug/L	500	288	5		09/02/15 20:31	75-65-0	
ert-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	



ANALYTICAL RESULTS

Project:

COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Date: 09/08/2015 04:39 PM

Sample: IGWA-A DUP	Lab ID:	92265825029	Collected	: 08/31/15	12:03	Received: 09/	01/15 14:55 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	3011 Prepara	ition Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	0.81	ug/L	0.038	0.038	2	09/03/15 13:51	09/04/15 17:25	106-93-4	C2
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 8	3260						
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	
ert-Butyl Alcohol	ND	ug/L	2000	1150	20		09/02/15 20:48	75-65-0	
ert-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		
1,2-Dichloroethane-d4 (S)	90	%	70-130		20		09/02/15 20:48		
Toluene-d8 (S)	102	%	70-130		20		09/02/15 20:48	2037-26-5	



ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP

Date: 09/08/2015 04:39 PM

Pace Project No.: 92265825

Sample: TRIP BLANK	Lab ID:	92265825030	Collecte	d: 08/31/15	5 13:21	Received: 09	9/01/15 14:55 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical	Method: EPA 8	260						
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	



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:

Date: 09/08/2015 04:39 PM

92265825001, 92265825002, 92265825003, 92265825004, 92265825005, 92265825006, 92265825007, 92265825008, 92265825009, 92265825010, 92265825011, 92265825013, 92265825014, 92265825015,

92265825016, 92265825017, 92265825018, 92265825019, 92265825027, 92265825030

		Blank	Reporting		
Parameter	Units	Result	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					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% 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	

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.



Project:

COASTAL 76 TRUCK STOP

Pace Project No.:

Date: 09/08/2015 04:39 PM

92265825

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
ert-Amylmethyl ether	ug/L	100	109	109	70-130	
ert-Butyl Alcohol	ug/L	500	495	99	70-130	
ert-Butyl Formate	ug/L	400	491	123	70-130	
Toluene Toluene	ug/L	50	50.2	100	70-130	
(Ylene (Total)	ug/L	150	149	99	70-130	
1,2-Dichloroethane-d4 (S)	%			93	70-130	
1-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			101	70-130	

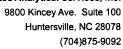
MATRIX SPIKE SAMPLE:	1546668						
		92265825015	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	19.4	96	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	450	113	70-130	
Benzene	ug/L	ND	20	24.0	120	70-130	
Diisopropyl ether	ug/L	ND	20	23.8	119	70-130	
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						
		92265825016	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
1,2-Dichloroethane	ug/L		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	

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

This report shall not be reproduced, except in full,





Project:

COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Date: 09/08/2015 04:39 PM

SAMPLE DUPLICATE: 1546669						
		92265825016	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
Naphthalene	ug/L		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		

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.



Project:

COASTAL 76 TRUCK STOP

Pace Project No.:

92265825

QC Batch:
QC Batch Method:

MSV/33220

Analysis Method:

EPA 8260

d: 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:

Date: 09/08/2015 04:39 PM

92265825012, 92265825020, 92265825021, 92265825022, 92265825023, 92265825024, 92265825025,

92265825026, 92265825028, 92265825029

		Blank	Reporting		
Parameter	Units	Result	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	
ert-Amyl Alcohol	ug/L	ND	100	09/02/15 12:21	
ert-Amylmethyl ether	ug/L	ND	10.0	09/02/15 12:21	
tert-Butyl Alcohol	ug/L	ND	100	09/02/15 12:21	
ert-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	
1-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					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% 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	

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.



Project:

COASTAL 76 TRUCK STOP

Pace Project No.:

92265825

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
ert-Butyl Formate	ug/L	400	488	122	70-130	
oluene	ug/L	50	48.8	98	70-130	
ylene (Total)	ug/L-	150	147	98	70-130	
,2-Dichloroethane-d4 (S)	%			91	70-130	
-Bromofluorobenzene (S)	%			98	70-130	
oluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE:	1546676						
		92265825023	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% 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 M	1
tert-Butyl Formate	ug/L	ND	160	ND	0	70-130 P	5
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						
		92265825025	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND 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	

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

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc..

Date: 09/08/2015 04:39 PM



Project:

COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Date: 09/08/2015 04:39 PM

SAMPLE DUPLICATE: 1546677						
		92265825025	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
tert-Amyl Alcohol	ug/L	ND ND	ND		30	1
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	1
Xylene (Total)	ug/L	ND	ND		30	1
1,2-Dichloroethane-d4 (S)	%	103	102	1		
4-Bromofluorobenzene (S)	%	97	99	2		
Toluene-d8 (S)	%	109	103	6		

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.



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:

Date: 09/08/2015 04:39 PM

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

		Blank	Reporting		
Parameter	Units	Result	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 & I	LCSD: 1546720		15	546721						
		Spike	LCS	LCSD	LCS	LCSD	% Rec		Max	
Parameter	Units	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	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 SPIR	(E DUPLI	CATE: 15467	22		1546723							
			MS	MSD								
		92265559036	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	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		92265559037	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND ND	ND		20	
1-Chloro-2-bromopropane (S)	%	111	103	8		

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.



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:

Date: 09/08/2015 04:39 PM

92265825015, 92265825016, 92265825017, 92265825018, 92265825019, 92265825020, 92265825021,

92265825022, 92265825023, 92265825024, 92265825025, 92265825026, 92265825027, 92265825028,

92265825029

Blank Reporting Parameter Units Result Limit Analyzed Qualifiers 1,2-Dibromoethane (EDB) ND 09/03/15 16:40 ug/L 0.020 1-Chloro-2-bromopropane (S) % 110 60-140 09/03/15 16:40

LABORATORY CONTROL SAMPLE & LCSD: 1547788 1547789 LCS Spike **LCSD** LCS LCSD % Rec Max RPD RPD Parameter Units Conc. Result Result % Rec % Rec Limits Qualifiers 2 1,2-Dibromoethane (EDB) .29 0.32 108 108 20 ug/L 0.31 60-140 108 60-140 1-Chloro-2-bromopropane (S) % 110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1547790 1547791 MS MSD 92265825019 MSD MS Spike Spike MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual 1,2-Dibromoethane (EDB) ND ug/L .28 .28 0.31 0.32 110 116 60-140 5 20 1-Chloro-2-bromopropane 60-140 % 114 118 (S)

SAMPLE DUPLICATE: 1547792 92265825024 Dup Max Parameter Units Result Result **RPD RPD** Qualifiers 1.2-Dibromoethane (EDB) 0.13 0.13 5 20 ug/L 113 1-Chloro-2-bromopropane (S) % 112 1

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.



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

Date: 09/08/2015 04:39 PM

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.



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			GCSV/22480			
92265825005	MW-6	EPA 8011	OEXT/37478		GCSV/22480			
92265825006	MW-7	EPA 8011	OEXT/37478		GCSV/22480			
92265825007	MW-8	EPA 8011	OEXT/37478		GCSV/22480			
92265825008	MW-10R	EPA 8011	OEXT/37478		GCSV/22480			
92265825009	MW-11	EPA 8011	OEXT/37478		GCSV/22480			
92265825010	MW-14	EPA 8011	QEXT/37478		GCSV/22480			
92265825011	MW-15	EPA 8011	OEXT/37478		GCSV/22480			
92265825012	MW-16	EPA 8011	OEXT/37478		GCSV/22480			
92265825013	MW-17	EPA 8011	OEXT/37478		GCSV/22480			
92265825014	MW-18	EPA 8011	OEXT/37478		GCSV/22480			
92265825015	MW-19	EPA 8011	OEXT/37504	EPA 8011	GCSV/22495			
92265825016	MW-20	EPA 8011	OEXT/37504		GCSV/22495			
92265825017	MW-21	EPA 8011	OEXT/37504		GCSV/22495			
92265825018	MW-22	EPA 8011	OEXT/37504		GCSV/22495			
92265825019	MW-22D	EPA 8011	OEXT/37504		GCSV/22495			
92265825020	MW-23	EPA 8011	OEXT/37504		GCSV/22495			
92265825021	MW-26	EPA 8011	OEXT/37504		GCSV/22495			
92265825021	MW-27	EPA 8011	OEXT/37504		GCSV/22495			
92265825023	MW-28	EPA 8011	OEXT/37504		GCSV/22495			
92265825024	TW-1	EPA 8011	OEXT/37504		GCSV/22495			
92265825024 92265825025	TW-2	EPA 8011	OEXT/37504		GCSV/22495 GCSV/22495			
92265825025 92265825026	IGWA-A	EPA 8011	OEXT/37504		GCSV/22495 GCSV/22495			
9226582502 0 92265825027	FIELD BLANK	EPA 8011	OEXT/37504		GCSV/22495			
9226582502 <i>1</i> 92265825028	MW-7 DUP	EPA 8011	OEXT/37504		GCSV/22495			
92265825029	IGWA-A DUP	EPA 8011	OEXT/37504	EPA 8011	GCSV/22495			
92265825001	MW-1	EPA 8260	MSV/33219					
92265825001	MW-2	EPA 8260	MSV/33219 MSV/33219					
92265825002 92265825003	MW-3	EPA 8260	MSV/33219 MSV/33219					
92265825003	MW-4	EPA 8260	MSV/33219					
92265825004 92265825005	MW-6	EPA 8260	MSV/33219 MSV/33219					
	MW-7	EPA 8260	MSV/33219					
92265825006 92265825007	MW-8	EPA 8260	MSV/33219 MSV/33219					
	MW-10R	EPA 8260	MSV/33219 MSV/33219					
92265825008 92265825009	MW-11	EPA 8260	MSV/33219 MSV/33219					
92265825009 92265825010	MW-14	EPA 8260	MSV/33219 MSV/33219					
92265825010 92265825011	MW-15	EPA 8260	MSV/33219 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					
⇒೬೬∪√0೬JU1 /	MW-22	LI A 0200	MSV/33219 MSV/33219					

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:

COASTAL 76 TRUCK STOP

Pace Project No.: 92265825

Date: 09/08/2015 04:39 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch			
92265825019	MW-22D	EPA 8260	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					

Pace Analyticai*

Document Name:

Sample Condition Upon Receipt (SCUR)

Document Number: F-CHR-CS-003-rev.16 Document Revised, Iviay 10, 2010

Page 1 of 2*
Issuing Authority:
Pace Huntersville Quality Office

Client Name: SCDHEC-U	15T	* Page 2 of 2 is for Internal Use Only
Courier: Fed Ex UPS USPS Client	☐ Commercial ☐	Pace OtherOtional
Custody Seal on Cooler/Box Present: yes	□(no) Seals i	ntact: yes no Pro Date!
Packing Material: ☐ Bubble V☐p ☐ Bubble B	ags 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 i	s Frozen: Yes No N/A Date and Initials of person examining contents:
Temp should be above freezing to 6°C		Comments:
Chain of Custody Present:	EYes ONO ON/A	1.
Chain of Custody Filled Out:	EYes □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 ONO ON/A	5.
Short Hold Time Analysis (<72hr):	□Yes ŪNo ☑N/A	6.
Rush Turn Around Time Requested:	□Yes 12No □N/A	7.
Sufficient Volume:	Yes ONO ON/A	8.
Correct Containers Used:	EYes □No □N/A	9.
-Pace Containers Used:	MYes □No □N/A	
Containers Intact:	ØYes □No □N/A	10.
Filtered volume received for Dissolved tests	□Yes □No 12HNA	11.
Sample Labels match COC:	□Yes □No □N/A	12.00 time on containers
-Includes date/time/ID/Analysis Matrix:	WT_	
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 ☑NIA	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	Ores □No	
Samples checked for dechlorination:	Tives Ting Tonia	14.
Headspace in VOA Vials (>6mm):	©Yes □No □N/A	15(POI) avials Line 3, I vivil line 4, 2 vials lines
Trip Blank Present:	ØYes □No □N/A	18 in 11 a 0 1 a 1
Trip Blank Custody Seals Present	□Yes □N⁄A	(892) Quials line, Quials lines, 4 vivis lines
Pace Trip Blank Lot # (if purchased):		(pos) line 1 4 vials, line 5 2 vials, line 10 1 vial
Client Notification/ Resolution:	Date/I	Field Data Required? Y / N
Person Contacted:	Date	init.
Comments/ Resolution:		
SCURF Review: TC Date:	9/1/15	U0# . 0226E92E
SRF Review: (C Date:	9/3/15	WO#: 92265825
Note: Whenever there is a discrepancy affecting North (

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)

92265825



CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

e 52 of 54

www.pacesess.com				Page	e: 1 of 3 a					
Section A Required Client Information:	Section B Required Project Information:		Section C Invoice Information:	<u> </u>						
Company:SCDHEC-UST	Report To: D. Brane	IKT	Attention:]	1999523					
Address	Copy To:	-U21	Company Name:	REGULATORY AGENCY	AGENCY					
2600 Bill Street			Address:	NPDES GROU	ND WATER DRINKING WATER					
Columbia, S. 29201	Purchase Order No.:	21192512	Pace Quote	UST F RCRA	OTHER					
Bryantycether Scool	Project Name:	142231 <u>3</u>	Reference:	Site Location						
#3-898-666 \$3-878-6573 Requested Due Date/TAT:	Project Number:	6 bruck Stop	Manager: (.Cartes Pace Profile #: 849-1	STATE:	_ Florence					
·				Analysis Filtered (Y/N)						
Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE 1 MW	Tecode as a Solution of the Code as a soluti	ENO/GRAB	Sample Tem A COLLECTION # OF CONTAINERS Unpreserved HNO ₃ HNO ₃ HNO ₃ HNO ₃ HNO ₃ NaOH Na ₂ S ₂ O ₃ Methanol Other ARTEXM ANA CREENION VINI		Pace Project No./ Lab I.D. Olor 001 Olor 003 Olor 004 No dor 005 Slight odo; shen, due'd No odor 007 No odor 008 No odor 008 No odor 009					
9 MW-[1 10 MW-14		1:23			Wooder 010					
11 MV-15	1	10:44	4 4 4		No ador DII					
12/14-6	0/6	83/1510:59	6 6 7 7 7 7		Nooder 02					
ADDITIONAL COMMENTS	RELINQUISHED BY	/ AFFILIATION DATE	TIME ACCEPTED BY / AFFILIATION	DATE TIME	SAMPLE CONDITIONS					
	How I'm	8/3VIS Pro 9115	17:00 Julia for pice	9415 1755	9.3 4 7 4					
0	PRIGINAL	SAMPLER NAME AND SIGNATI			Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact					
		SIGNATURE of SAMPLI	F-ALL-Q-020rev.07, 15-May-2007							

Pace Analytical*

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Address: 7600 Bull Screet. Copy To: Company Name: REGULATORY AGENCY Address: NPDES	Section A	Section B							Section C									P-29	Page: 2 or 3					
CONTINUED ON TO THE CONTINUED ON THE CON	<u> </u>		•		110	~					ation:					7				1999524				
Address	Address:	J	. <u>I</u> Sr	yant	<u>-U></u>	<u> </u>					ne:					-	D. H. 470			_			<u> </u>	
COLLECTED Services Color Survivas Services Color Survivas Services Color Survivas Services Color Survivas Services Color Survivas Services Color Survivas Services Color Survivas Mariat Color Surviva	7600 Bull Street	J		- 					<u> </u>															
SAMPLE ID SAMPLE ID ONE OF THE OUT TIME OUT TI	Columbia SC Z9201			· · · · · · · · · · · · · · · · · · ·																	G WATER			
Section District Section Dis		<u> </u>		4600	422	513			Reference:					VUST TRCRA TOTHER										
Received Date Date Table Property Prop	903-898-0606 803-878-6673	Project Name	6	acto	76 To	ruck?	Stop		Pace P Manag	'roject er:	T.Co	st	25	-						7				
SAMPLE ID	Requested Due Date/TAT:	Project Numb	er:				1		Pace Profile #:							STATE	:	<u>X</u>	- Horence					
SAMPLE ID															Requested	l Ana	lysis Filt	ered	(Y/N)					
SAMPLE ID		odes	ء اء								_	4.		'N Į										
ALL- 7		CODE			COLLE	ECTED		┨╻┃		<u> </u>	Preserv	atives		۶		+		+		-	1			
ALL-	Water	Water WT 8 0 0 CO			SITE			[닭												_	.]			
ALL-	Product	Product P V V V V V V V V V V V V V V V V V V				END/GR	ta8	<u>ĕ</u>				11								<u>ع</u>	.]			
1 MV-17 2 MIN-18 3 MV-19 4 MV-20 5 MV-71 5 MV-27 5 MV-22 5 MV-22 5 MV-22 5 MV-23 5 MV-23 5 MV-24 5 MV-24 5 MV-24 5 MV-25 5 MV-24 5 MV-25 5 MV-25 5 MV-26 5 MV-27 5 MV-28 5 MV-28 5 MV-29 5 MV-29 5 MV-	SAMPLED OF	um.	1 9					Ę	ERS					st	<u>s</u>					e e				
1 MV-17 2 MIN-18 3 MV-19 4 MV-20 5 MV-71 5 MV-27 5 MV-22 5 MV-22 5 MV-22 5 MV-23 5 MV-23 5 MV-24 5 MV-24 5 MV-24 5 MV-25 5 MV-24 5 MV-25 5 MV-25 5 MV-26 5 MV-27 5 MV-28 5 MV-28 5 MV-29 5 MV-29 5 MV-	(A-Z, 0-9 / ,-) Air	AR	ยไ	i				ě	X	اوا					371					뎙				
1 MV-17 2 MIN-18 3 MV-19 4 MV-20 5 MV-71 5 MV-27 5 MV-22 5 MV-22 5 MV-22 5 MV-22 5 MV-23 5 MV-23 5 MV-24 5 MV-24 5 MV-24 5 MV-24 5 MV-25 6 MV-25 6 MV-25 6 MV-25 7 MV-25 7 MV-25 7 MV-26 7 MV-27 7 MV-28 7 MV-28 7 MV-29 7 MV-28 7 MV-29 7 MV-28 7 MV-29 7 MV-24 7 MV-24 7 MV-24 7 MV-25 7 MV-25 7 MV-25 7 MV-25 7 MV-25 7 MV-26 7 MV-27 7 MV-28 7 MV-28 7 MV-29 7 MV-28 7 MV-29 7 MV-28 7 MV-28 7 MV-29 7 MV-28 7 MV-29 7 MV-28 7 MV-29 7 MV-28 7 MV-	Other	or S	3 2					12	NO.	Š		₆	ō	ysis	が なる なる なる なる なる なる なる なる なる なる					ato				
1 MV-17 2 MIN-18 3 MV-19 4 MV-20 5 MV-71 5 MV-27 5 MV-22 5 MV-22 5 MV-22 5 MV-23 5 MV-23 5 MV-24 5 MV-24 5 MV-24 5 MV-25 5 MV-24 5 MV-25 5 MV-25 5 MV-26 5 MV-27 5 MV-28 5 MV-28 5 MV-29 5 MV-29 5 MV-	* Z		1 를						FC		ු _	된행.	e la	nai	1202	ן ב				sidu	Į.	9224	5875	
2 MIV-18 3 MV-19 4 MV-20 5 MV-21 5 MV-22 5 MV-22 5 MV-22 5 MV-22 5 MV-23 5 MV-23 5 MV-23 5 MV-24 5 MV-23 5 MV-24 5 MV-24 5 MV-24 5 MV-24 5 MV-24 5 MV-24 5 MV-24 5 MV-24 5 MV-24 5 MV-24 5 MV-24 5 MV-24 5 MV-24 5 MV-24 5 MV-24 5 MV-25 5 MV-	<u> </u>		₹ 8	DATE	TIME	DATE	TIME	SA	#	5 4	[물] 오		휠팅	¥	∞	4	$\bot \bot$			్జి	Pace	Project N		
3 MV-9 4 MV-70 5 MV-71 5 MV-72	1 MW-17	2	NG			8/31/15	12:34		6		6				11/1	44	$\bot\bot$					los .		
4 MV-70 5 MW-71 6 MW-22 7 MW-22 8 MW-22 9 MW-23 10 MV-24 11 MW-25 12 MW-24 ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME SAMPLE CONDITIONS ORIGINAL SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Park TWLE PRINT Name of SAMPLER: Park TWLE PRINT Name of SAMPLER: Park TWLE PRINT Name of SAMPLER: Park TWLE SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Park TWLE PRINT Name of SAMPLER TWLE PRINT Name of SAMPLER TWLE PRINT Name of SAMPLER TWLE PRINT Name of SAMPLER TWLE PRINT Name of SAMPLER TWLE PRINT Name of SAMPLER TWLE PRINT Name of SAMPLER TWLE PRINT Name of SAMPLER TWLE PRINT Name of SAMPLER TWLE PRINT Name of SAMPLER TWLE PRINT Name of SAMPLER TWLE PRINT Name of SAMPLER TWLE PRINT Name of SAMPLER TWLE PRINT Name of SAMPLER TWLE PRINT Name of SAMPLER TWLE PRINT Name of SAMPLER TWLE PRINT Name of SAMPLER TWLE PRINT Name of SAMPLER TWLE PRINT Name of SAMPLER TWLE PRINT NAME AND SIGNATURE PRINT NAME AND SIGNATURE PRINT NAME AND SIGNATURE PRINT NAME AND SIGNATURE PRINT NAME AND SIGNATURE PRINT NAME AND	2 MV-18						13:15	Ш	1	Ш.		$\perp \downarrow \perp$			11111						Surm	2005	sheemol	
5 MW-77 6 MV-22 7 MW-22 8 MW-22 9 MW-23 9 MW-23 9 MW-23 10 MV-24 11 MV-25 12 MV-24 11 MV-25 12 MV-24 11 MV-25 12 MV-24 13 MV-25 14 MV-25 15 MV-25 16 MV-25 17 MV-25 18 MV-25 19 MV-25 19 MV-25 19 MV-25 10 MV-25 10 MV-25 11 MV-25 12 MV-26 12 MV-26 13 MV-26 14 MV-27 15 MV-26 16 MV-27 16 MV-27 17 MV-25 18 MV-27 18 MV-27 19 MV-27 19 MV-27 19 MV-27 10 MV-27 10 MV-27 11 MV-25 12 MV-27 13 MV-27 14 MV-27 15 MV-27 16 MV-27 17 MV-27 18 MV-27 19 MV-27 19 MV-27 19 MV-27 10 MV-27 10 MV-27 10 MV-27 11 MV-25 12 MV-27 12 MV-27 13 MV-27 14 MV-27 15 MV-27 16 MV-27 16 MV-27 17 MV-27 18 MV-27 19 MV-27 19 MV-27 19 MV-27 10 MV-27 1	3 WW-19													 					Nood	06				
6 MW-27 8 MW-22D 9 MW-23 10 MW-24 11 MW-25 12 MW-26 ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME SAMPLE CONDITIONS ORIGINAL SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: PORC T. W. B. B. B. B. B. B. B. B. B. B. B. B. B.	4 MV-20						10:31		1			\perp	\perp							╙	No co	105		
7 MW-22 SWW-22 SWW-23 SWW-23 SWW-23 SWW-24 SW	5 MW-21	,	Y	<u> </u>		Ψ		,	>			$\perp \perp \perp$	\perp		* * *			\perp		4				
8 MW-22 DWG 83/15 12:13 6 6 6 VVVV W W Addr DIS 9 MW-23 DWG 83/15 12:17 6 6 6 VVVV W W Addr DIS 10 MW-24	6 MV-22	D	w 6	•		8/31/15	11:18		6		6		Ш		<u> </u>	4		1_			Noo	or .	78	
9 MW-23 10 MV-24 11 MV-25 12 MV-26 ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME SAMPLE CONDITIONS ORIGINAL SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: PRINT NAME NAME NAME NAME NAME NAME NAME NAME	7 MW-22		士				<u> </u>						#	\vdash		\Box				I				
10 MV-24 11 MV-25 12 MV-26 ADDITIONAL COMMENTS RELINQUISHED BY AFFILIATION DATE TIME ACCEPTED BY AFFILIATION DATE TIME ACCEPTED BY AFFILIATION DATE TIME SAMPLE CONDITIONS PLANT SAMPLE CONDITIONS PLANT SAMPLE CONDITIONS CARRELL SAMPLE CONDITIONS CA	s MW-22D	þ	w 6	,				Ш		Ш.		$\perp \downarrow \downarrow$	\bot		* * *	4					No ac	or		
ADDITIONAL COMMENTS RELINQUISHED BY AFFILIATION DATE TIME ACCEPTED BY AFFILIATION DATE TIME ACCEPTED BY AFFILIATION DATE TIME SAMPLE CONDITIONS PLANTING PLANTING PLANTING PLANTING PLANTING PLANTING PLANTING PLANTING PRINT Name of SAMPLER: PLANTING PLANTING	<u> </u>		<u> </u>	<u> </u>		23/15	<u> </u>	_	6	\sqcup	6	$\bot\bot$	Щ		~ ~ ~ ~ ~	44	-			_	No od	05_		
ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME SAMPLE CONDITIONS PLANT SAMPLE CONDITIONS DATE TIME SAMPLE CONDITIONS PRINT Name of SAMPLER: PARCE PRINT NAME OF SAMPLER: PARCE PRINT NAME OF SAMPLER: PARCE PRINT NAME OF SAMPLER: PARCE PRINT NAME OF SAMPLER: PARCE PRINT NAME OF SAMPLER: PARCE PRINT NAME OF SAMPLER: PARCE PRINT NAME OF SAMPLER: PARCE PRINT NAME OF SAMPLER: PARCE	* * * * * * * * * * * * * * * * * * * *		<u> </u>				19:32			 - -	┾┼┼	-+-+	===		-+-			#=			No 🕶	Bo Soa	nde -	
ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME SAMPLE CONDITIONS PLANTING PRINT Name of SAMPLER: PARTY PRINT Name of SAMPLER: PARTY PARTY ACCEPTED BY / AFFILIATION DATE TIME SAMPLE CONDITIONS PARTY PARTY SAMPLE CONDITIONS DATE TIME SAMPLE CONDITIONS PARTY PAR			=			416		Ħ	ļ			#	##			 	-+-	=			No se	inde		
ORIGINAL SAMPLER: Pere J. W. Lee ORIGINAL SAMPLER: PERE J. W. Lee ORIGIN	12 MW-26		W6	<u>. </u>	<u> </u>	9/3//5	12:10	Ц	_		6					4_		+	Щ,			dot		
ORIGINAL SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Perce J. W. Le ORIGINAL PRINT Name of SAMPLER: Perce J. W. Le	ADDITIONAL COMMENTS		RELINC	QUISHED BY	AFFILIATI	ON .	<u> </u>	E	T	IME	L.,	ACC	EPTEC	BY /	AFFILIATION			┷			SAM	PLE CONDIT	IONS	
ORIGINAL SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Perce J. V. Ve ORIGINAL PRINT Name of SAMPLER: Perce J. V. Ve	fler mij						e /31/	15	17	:OC	\leq	(~//			- Toe		915	1	745					
ORIGINAL SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Perce J. V. Ve ORIGINAL PRINT Name of SAMPLER: Perce J. V. Ve					200	حدر	911	5	14	55 5	07	ini	LXDA	b	ra co		Q)-K	110	KS	4.3	14	N	Y	
ORIGINAL SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: PORC J. W. He SIGNATURE of SAMPLER: PLATE J. W. He SIGNATURE of SAMPLER: PLATE J. W. H. DATE Signed (MM/DDMY): 08/3/15		1			- J				- "		19	ages-			- Pour		17 5	1	1) <u>-</u> _	,,,,	†	1.5	•	
ORIGINAL SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: POLICY J. V. V.C. SIGNATURE of SAMPLER: POLICY J. V. V.C. SIGNATURE of SAMPLER: POLICY J. V. V.C. MM//DDMY): 08/3/15							 			·	1							+			 	 		
ORIGINAL PRINT Name of SAMPLER: PART J. W. Le SIGNATURE of SAMPLER: PART J. W. Le (MM/DD/YY): 08/3/15							1		<u></u>		<u> </u>						-			-	 		ਚ	
PRINT Name of SAMPLER: Lete(), W. U.C. DATE Signed (MM/DD/YY): 08/3/15	OF	RIGINAL										-, -	. 7,			· ·· <u>·</u> ··				င်	₽ (N	\$00 F	J Julia	
SIGNATURE OF SAMPLER: THE COMMITTEE STATE SAMPLER: SIGNATURE OF SAMPLER: WMM/DD/YY): 08/3//5						PRINT Name of SAMPLER: Peter J. W. U.C. DATE Stand							mples (Y.#											
	SIGNATURE O							PLER:	ER: PLETTO MILE (MM/DD/YY): E						08	/3/	15		ļ ř	<u> </u>	Š	San		

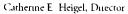


CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

	Section B Required Pr	oject Info	rmation:					Section		nation:									Pag	je:	3	of	<u> </u>
	Report To:		Mart	-11	<u><</u> †			Attenti								7			-		19	9952	25
Address/200 Rull Stonet	Copy To:	ارر وب	Jan	<u> </u>	2)			Company Name: REGULA						SUI ATO	ULATORY AGENCY								
(Junk 5/ 70701							-	Addres	ss:							NPDES GROUND WATER DRINKING WATER							
Email To: breartice chec scool	Purchase Or	der No.:	1100	11779	-12			Pace Quote						VUST RCRA OTHER					S WAIER				
	Project Name	eject Name:						Reference: Pace Project T Conster Manager: T Conster					-					- 					
Requested Due Date/TAT;	Project Numl	ber:	25ta!	16	ruk	Sto	2_	Manage Pace Pr		الم ك	as-	tes Sus				- Sit	e Locatio		<u>\$</u>		Flo	rence	,
<u></u>												849	-	- Pa-			STATE			$\overline{+}$			
Section D Matrix Co			1				1						╅		questec	Anai	lysis Filt	erea (1/Ni)	\dashv			
Required Client Information MATRIX / C	CODE	MP)		COLL	ECTED					Prese	rvative	98	N/N										
Drinking Water Water Water Waste Water Product Soil/Solid SAMDLEID Oil	P	(See valid codes to teft) (G=GRAB C=COMP)	COMPO	OSITE RT	COMPC END/G		AT COLLECTION	S					→							(A/N)			
(A-Z, 0-9 / ,-) Wipe (A-Z, 0-9 / ,-) Air Sample IDs MUST BE UNIQUE Tissue Other	WP AR TS	MATRIX CODE (SAMPLE TYPE (G					SAMPLE TEMP AT (F CONTAINERS	Unpreserved H ₂ SO ₄	23	¥ (Methanol	er nalysis Test	N/WZ	57,00	3				Residual Chlorine (Y/N)	8	-1 con	5
ITEM #		SA A	DATE	TIME	DATE.	TIME	SAN	# 0F	Unpres H ₂ SO ₄	E S	E S	Ş Ş Ş	Other Anal	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	300E			11		8	Pac	26587 Project N	ريد o./ Lab I.D.
1 MW-27					8/7/5	12:30	,					7 1	丁	1//	TV	1		\top			Noo		
2 MU-28						0:20							7								No of	105	023 023
3 TV-1					$\perp I_{}$	13:01															Odes	-	024
1 TW-Z					.V.	11:44															Noo	105	045
5 IGWA-A					83115	12:0	3							1/1/	W						Odes	sheer	duod of
6 IGVA-K						13:20	士						_								No so	unde	,
7 Held blank					831	13:20				Ш		$\perp \perp$	_	$\sqrt{1}$							Reld	blank	67
8 Inp blank						13:21						$\perp \perp$	_	\sqrt{I}		$\bot \bot$		$\perp \downarrow$			THO	Slaak	030
9 MV-7 Duo					V	11:83				$oxed{oxed}$		$\perp \downarrow$	_	نلكا		1_1			\perp		Slah	Locas	sheenod
10 PGLA-A Dup					83115	12:03	3		\perp	Ш	1-1-	$\perp \downarrow$	_	\bigvee	14	41		11			Odos	shee	<u> </u>
11					1	 	$\downarrow \downarrow$		_	$\sqcup \!\!\!\! \perp$	-	++	4			\sqcup	$\bot \bot$	$\downarrow \downarrow$					
12	, 1				<u> </u>						Ш					4		44	Щ				
ADDITIONAL COMMENTS	 	CELINQU	ISHED BY /	AFFILIATI	ON	DAT	•	TH		ļ	<u>^^</u>	CCEPT	ED BY	/ AFFIL	IATION	_	DATE	TI	ME		SAMI	LE CONDITI	ONS
	1_2		190			8/31	15	<u>17:0</u>	<u> </u>	\leq	1/2	9/20/	<u>//</u>		ger.		775	12	5				
		/-/	10/2	<u> </u>	TQ 23	97-	5	14	55	1	الدور	Ha	de	2	e H	۱ ۸	9-1-15	. 1	55	4.3	1	~	7
				1						1													V
			1																				
ORI	GINAL			SAMPLE	R NAME A	ND SIGN/	ATURE	:												ပ္	8 2	ofer 2	ntact
					PRINT Nam			<u> To</u>	del	E	ife i			DATE	Signed	co/	41.			Temp in °C	Received on Ice (Y/N)	Custody safed Cool (Y/N)	Samples Inte (Y/N)
*Important Note: By signing this form you are accepting	g Pace's NET	30 day pay	yment terms a					for any	nvoices	not paid	within 3	in days		(MM/	DD/YY):	2/	<i>5[[[5</i>	<u> </u>		<u> </u>	<u> </u>	07 15 Man	





Promoting and protecting the health of the public and the environment

BRYAN SHANE
MIDLANDS ENVIRONMENTAL CONSULTANTS
PO BOX 854
LEXINGTON SC 29071

IMAR 3 ~ 2016



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,

John C. Bryant, Hydrogeologist

216

Corrective Action Section

UST Management Division

Bureau of Land & Waste Management

enc: Site Information Packages

cc: Technical Files



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





Senior Scientist

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

> Post Office Box 854, Lexington SC 29071 • 231 Dooley Road, Lexington, SC 29073 Telephone: (803) 808-2043 • fax: (803) 808-2048





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

To: Mr. John Bryant		(90	PDUEC Project Manager)
From: Mr. Jeff Coleman			CDHEC Project Manager) htractor Project Manager)
	mental Consultants, Inc. LIST Con	tractor Certification Number: 009	itractor Project ivianager)
			
Facility Name: Coastal 76 Tr		UST Permit #:	03538
Facility Address: 2513 East I		- 202.01	
Responsible Party: Dan McE		Phone: 803-65	<u>)1-8835</u>
RP Address: 1007 Wentworth			*
Property Owner (if different)		-	
Property Owner Address: S			
	uto Garage		
Scope of Work (Please ch			
	Tier II	☑ Groundwater Sampling	☐ GAC
☐ Tier I ☐ 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 (Estima	te the number of samples of each	h matrix that are expected to be co	llected.)
Soil	Water Supply V		1 Field Blank
32 Monitoring Wells	Surface Water		1 Trip Blank
		 :	
Field Screening Methodolo			
		nd include their proposed locations	_
		stimated Footage:	
		stimated Footage:	feet per point
Field Screening Methodology	y:		
Permanent Monitoring Wel	ls	· · · · · · · · · · · · · · · · · · ·	
_		d include their proposed locations o	on the attached map.
		ed Footage:	•
# of deep wells:	Estimate	ed Footage:	feet per point
# of recovery wells:	Estimate	ed Footage:	feet per point
Monitoring Well developmen	t method (consistent with SOP):		
Comments, if warranted.	, -		
· 			

UST Permit #: 03538 Faci	ility Name: Coastal 76 Truck Stop	
Implementation Schedule (Number of cale Field Work Start-Up: 4/20/16 Report Submittal: 6/20/16	lendar days from approval) Field Work Completion: 5/20/16 # of Copies Provided to Property Ow	ners:
Aquifer Characterization Pump Test: □ Slug Test: □ (Check one	e and provide explanation below for choice)	
	ons Purge Water: 350.0	Gallons
Drilling Fluids: Ga	allons Free-Phase Product:	Gallons
event, etcDuring the initial site visit, monitoring wells IGW. destroyed or is beneath a large dumpster. MW-1 MW-28 is located in a densely wooded area and event, they will sampled accordingly.	to be abandoned/repaired, well pads/bolts/caps to r /A, MW-10R, and MW-28 were not located. IGWA is belied IOR is thought to be buried or destroyed, and is in an aread was not located. If any of these monitoring wells are located are ago, only the monitoring wells not bracketing the water y SCDHEC personnel.	ved to have been of disturbed pavement. Ited during the sampling
Name of Laboratory:	es/No) If no, indicate laboratory information	below.
N/A Well Driller as indicated in ACQAO? (You Name of Well Driller:	res/No) If no, indicate driller information below	
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 loca	ation.
must include the following: North Arrow Location of property lines Location of buildings Previous soil sampling locations Previous monitoring well locations Proposed soil boring locations	must be accurately scaled, but does not need to be Proposed monitoring well locations Legend with facility name and address, UST permit Streets or highways (indicate names and numbers) Location of all present and former ASTs and USTs Location of all potential receptors	•
 Assessment Component Cost Agreer 	ment, SCDHEC Form D-3664	



South Carolina Department of Health and Environmental Control

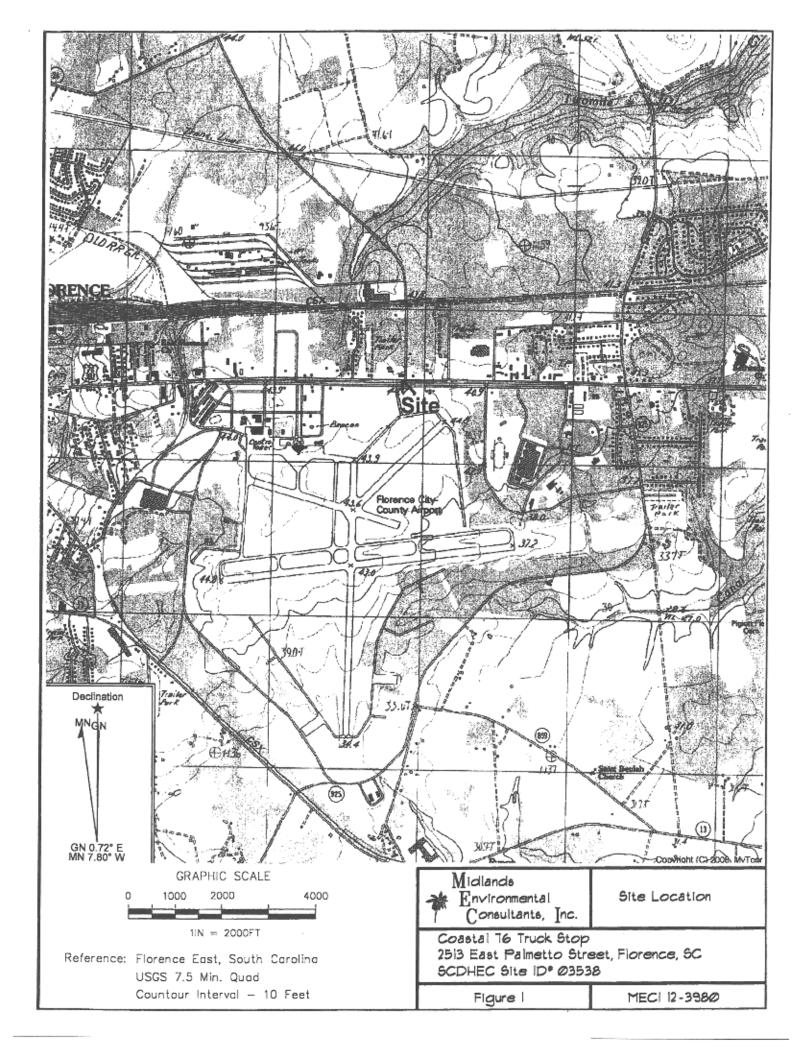
ASSESSMENT COMPONENT INVOICE SOUTH CAROLINA

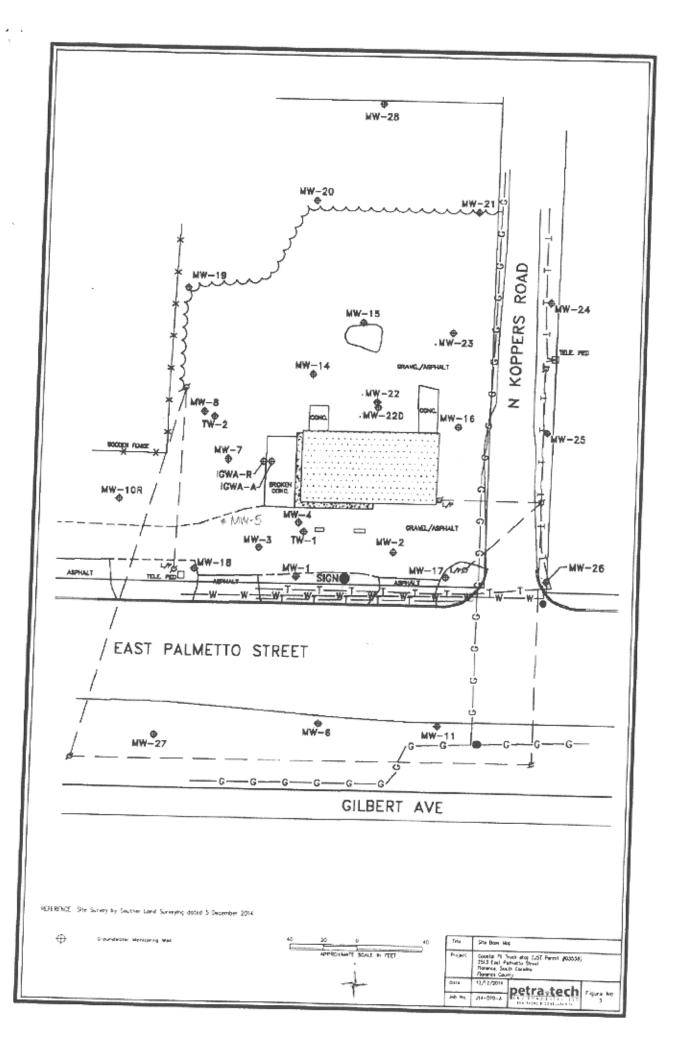
Department of Health and Environmental Control
Underground Storage Tank Management Division
State Underground Petroleum Environmental Response Bank Account

CONTRACT PO NUMBER 4600328425

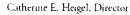
Facility Name: Coastal 76 Truck Stop

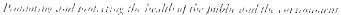
UST Permit #: 03538	Cost Ag	reement #:	Proposal		
ITEM	QUANTITY	UNIT	UNIT PRICE		TOTAL
1. Plan*					
·A1. Site Specific Work Plan	1	each	\$0.00		\$0.00
C1. QAPP Appendix B		each	\$0.00		\$0.00
A1. Receptor Survey		each	\$0.00		\$0.00
4. Mob/Demob					
B1. Personnel	2	each	\$350.00		\$700.00
10. Groundwater 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. 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	350	gallons	\$1.00		\$350.00
BB. Free Product		gallons	\$0.00		\$0.00
Note: Rate includes costs or rental of suitable co	ontainer(s)				
23. D. Site Reconnaissance		each	\$0.00	14.18.0	\$0.00
18. Miscellaneous (attach receipts)					
GW Contour Map	1	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













BRYAN SHANE MIDLANDS ENVIRONMENTAL CONSULTANTS **PO BOX 854 LEXINGTON SC 29071**

MAY 1 9 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,

Maia Milenkova, Hydrogeologist

Assessment Section

UST Management Division

Bureau of Land & Waste Management

enc: Approved Cost Agreement (both CAs)

Vegia le Mas

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:

 Task / Description
 Categories
 Item Description
 Qty / Pct
 Unit Price
 Amount

 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

Task / Description Categories	Item Description	Qty / Pct	Unit Price	<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 Amo	unt	1,582 00



US7
Maia

JUN 1 6 2018

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:

			Ž	Ţ	e ie	Ē	9	8 €	6		ล		6	=
Monitoring Well	Purge	No Purge	Gauge Only	Not Located	BTEX, Naphthalene, MTBE (EPA Method \$250-13)	EDB (EPA Method 5011)	1,2 DCA (EPA Method 3260-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
								An	alyte Sa	mpled				
IGWA	X				X	X	X	X						
IGWA-R	X				X	X	Х	X						
MW-1	X				X	X	X	X						
MW-2	X				X	X	Х	X			,			
MW-3	X				X	X	X	X						
MW-4				X										
MW-5	X				X	X	X	X						
MW-6	X				X	Х	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	Х	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

Bryan T. Shane Principal Geologist

Monitoring Well	Purge	No Purge	Gauge Only	Not Sampled	BTEX, Naphthalene, MTBE	EDB (EPA Method 8011)	1,2 DCA (EPA Method \$260-B)	8 Oxygenates (FPA Method \$260-B)	Lead (EPA Method 6010)	Sulfate (EPA Method 375.2)	Nitrate (EPA Method 335.2)	Methane (RSK Method)	PAH'S (EPA Method \$270)	Ferrous Iron
						Analyte Sampled								
MW-17	X				Х	X	X	Х						
MW-18	X				Х	X	X	X						
MW-19	X				Х	X	Х	X						
MW-20				X										
MW-21	X				X	X	Х	X						
MW-22	X				X	X	Х	X						
MW-22D	X				X	X	X	X						
MW-23	X				X	X	X	Х						
MW-24	Х				X	X	X	X						
MW-25	Х				X	X	Х	X						
MW-26	X				X	X	Х	X						
MW-27	X				Х	Х	X	X						
MW-28				X										
TW-1				Х										
TW-2	X				X	X	Х	X						
Dup. 1 (IGWA)					Х	Х	X	X						
Dup. 2 (IGWA R)					X	Х	X	Х						
Field Blank					X	Х	X	Х						
Trip Blank					X	Marrow	X	Х						

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.

Attachments:

Contractor Checklist

Item#	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	х		
2	Is UST Owner/Operator name, address, & phone number provided?			Х
3	Is name, address, & phone number of current property owner provided?			Х
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	х		
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?	х		
7	Has the facility history been summarized?	х		
8	Has the regional geology and hydrogeology been described?			Х
9	Are the receptor survey results provided as required?			Х
10	Has current use of the site and adjacent land been described?			Х
11	Has the site-specific geology and hydrogeology been described?			X
12	Has the primary soil type been described?			Х
13	Have field screening results been described?			Х
14	Has a description of the soil sample collection and preservation been detailed?			Х
15	Has the field screening methodology and procedure been detailed?			Х
16	Has the monitoring well installation and development dates been provided?			Х
17	Has the method of well development been detailed?			Х
18	Has justification been provided for the locations of the monitoring wells?			Х
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?			Х
20	Has the groundwater sampling methodology been detailed? See MECI SOP	х		
21	Have the groundwater sampling dates and groundwater measurements been provided? See attached Site Activity Summary Sheet	х		
22	Has the purging methodology been detailed? See MECI SOP	Х		
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	х		
24	If free-product is present, has the thickness been provided? See attached Site Activity Summary Sheets	х		
25	Does the report include a brief discussion of the assessment done and the results?			Х
26 .	Does the report include a brief discussion of the aquifer evaluation and results?			Х
27	Does the report include a brief discussion of the fate & transport models used?			Х

Item#	Item	Yes	No	N/A
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			х
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			х
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			Х
31	Have recommendations for further action been provided and explained?			Х
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			х
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)			Х
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?			х
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			х
37	Has the topographic map been provided with all required elements? (Figure 1)	Х		
38	Has the site base map been provided with all required elements? (Figure 2)	Х		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)			х
40	Has the site potentiometric map been provided? (Figure 5)			х
41	Have the geologic cross-sections been provided? (Figure 6)			х
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			х
43	Has the site survey been provided and include all necessary elements? (Appendix A)			Х
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	х		
45	Is the laboratory performing the analyses properly certified?	X		
46	Has the tax map been included with all necessary elements? (Appendix C)			х
47	Have the soil boring/field screening logs been provided? (Appendix D)			х
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)			х
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			х
50	Have the disposal manifests been provided? See attached	х		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			х
52	Has all fate and transport modeling been provided? (Appendix I)			х
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			Х
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	Υ	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



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
8 .4600										
									27.00	TOTAL GALLONS PURGED

Date:	6/1/2016	Site ID #:	03	538	Site Name:	Coastal 76	Terrels Char				
County:					l one manner	Coasiai 76	Truck Stop	Field Personnel:	PW; JP	; CH; JF	
	Florence	Project Manager:	Maia M	Nienkova	General Weather Conditions:	Su	nny	Ambient Air Temp (°F):		99	
			1 2 2		Quality Assurance					-	
Mete	r Name	Seri	ial #:				Calibration:				
SI Pro1030 (pH, Spec	ific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Yor N	Y	pH 10.0: Y or N	Y	S.C.: Yor	
YSI Pro 20 (Di:	ssolved Oxygen)	12G1	02878	Y or N	Y						
MicroTPI/TF	PW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Y or N	Y	10.0 NTU: Yor N	Y		
					Well Information						
We	il ID:	IGW	VA-A	Conversion Factor (neter (ft.): C): 1" well = 0.047, 2" I" well = 0.652	0.1	63	Method of Purging/Sample Collection	Ba	niler	
Sample Type: (i.e.	MW, IW, RW, WSW)	IG	WA	Screened I	interval (ft.):	•		Total Well Depth (TWD) (ft.):	16	.74	
Depth to Free P	roduct (DFP) (ft.):	N	D	Depth to Ground	lwater (DGW) (ft.):	4.0	51	Free Product Thickness (ft.):	Not D	etected	
	vater column D – DGW) (ft.);	12	.13	1 casing volume (C	V = LWC x C) (gals.):	1.9	98	5 casing volumes (5 x CV) (gals.):	9.	89	
					Purging Data						
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Samp	ling
V	olume 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			11:5	54
	PH (s.u.)		5.76	5.21	5.68	5.64	5.63			5.6	4
Spec	cific Conductivity (μ\$/cn	n)	149.0	148.5	147.8	147.0	146.2			145	.5
v	Vater Temperature (°C)		21.9	21.9	21.8	21.7	21.5			21.	.5
. Di	issolved Oxygen (mg/L)		1.43	1.37	1.44	1.59	1.62			1.6.	2
	Turbidity (NTU)		19.68	43.61	72.53	147.6	172.3			204	4
					Sampling Data	100.00.00	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1				
Sampled By:	PW; JP; CF	ł; JF	Sampling Time:	11:54	Duplicate: Yor N	Υ	If yes, Duplicate Time:	11:54	Total Gallons Purged:	9.00	0
tes:				Odor	; Duplicated; 9.00 Gallo	ons Purged					

Date:	6/1/2016	Site ID #:	03	538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JP	; CH; JF	
County:	Florence	Project Manager:	Maia M	lilenkova	General Weather Conditions:	Sur	nny	Ambient Air Temp (°F):	8	19	
En a constant and a c					Quality Assurance						
Me	ter Name	Ser	ial #:				Calibration:				
YSI Pro1030 (pH, Spi	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Y or N	Y	pH 7.0: Y or N	Y	pH 10.0: Yor N	Y	S.C.: Yor N	Υ
YSI Pro 20 (L	Dissolved Oxygen)	12G1	02878	Yor N	Y			•			,
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Y		
					Well Information						
V	Vell ID:	IGV	NA-R	Well Dian Conversion Factor (C well = 0.16, 4		0.1	63	Method of Purging/Sample Collection	Ва	iller	
Sample Type: (i.	e. MW, IW, RW, WSW)	IG	WA	Screened li	nterval (ft.):	11-	-21	Total Well Depth (TWD) (ft.):	2	21	
Depth to Free	Product (DFP) (ft.):	,	ND	Depth to Ground	water (DGW) (ft.):	4.	49	Free Product Thickness (ft.):	Not Do	elected	
	f water column VD – DGW) (ft.):	16	3.51	1 casing volume (C\	V = LWC x C) (gals.):	2.0	69	5 casing volumes (5 x CV) (gals.):	13	.46	
					Purging Data						
1 T			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampli	ing
ng-1	Volume Purged (gallons)		0.00	2.69	5.38	8.07	10.76	13.46			
:25	Time (military)		11:42	11:44	11:46	11:48				11:50	0
	PH (s.u.)		5.65	5.72	5.77	5.80				5.79	9
Sp	ecific Conductivity (µS/c	m)	150.6	151.2	152	153,6				153.	7
	Water Temperature (°C)		21.8	20.0	20.1	20.1				20.2	2
	Dissolved Oxygen (mg/L)		1.57	1.62	1.79	1.8				1.82	2
	Turbidity (NTU)		17.61	43.61	79.3	142.6				201.4	4
					Sampling Data						
Sampled By:	PW; JP; C	H; JF	Sampling Time:	11:50	Duplicate: Yor N	Y	If yes, Duplicate Time:	11:50	Total Gallons Purged:	9.00)
Notes:				Odor	r; Duplicated; 9.00 Gall	ons Purged					
				5-000 F-000							

-	T							-			
Date:	6/1/2016	Site ID #:	03	538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JF	CH: JF	
County:	Florence	Project Manager:	Maia N	filenkova	General Weather Conditions:	Su	nny	Ambient Air Temp (°F):		89	
					Quality Assurance						
Med	ter Name	Ser	ial #:				Calibration:				
YSI Pro1030 (pH, Spe	ocific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Υ	pH 7.0: Y or N	Υ	pH 10.0: Y or N	Y	S.C.: Yor	Υ
YSI Pro 20 (C	Dissolved Oxygen)	12G1	02878	Yor N	Y		•				
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y		
					Well Information						
и	Vell ID:	M	W-1	Conversion Factor (6	neter (ft.): C): 1" well = 0.047, 2" " well = 0.652	0.1	63	Method of Purging/Sample Collection	В	aler	
Sample Type: (i.	e. MW, IW, RW, WSW)	N	W.	Screened I	nterval (ft.):			Total Well Depth (TWD) (ft.):	1	7.8	
Depth to Free	Product (DFP) (ft.):	•	4D	Depth to Ground	water (DGW) (ft.):	5.	16	Free Product Thickness (ft.):	Not D	etected	
	water column VD – DGW) (ft.):	12	2.64	1 casing volume (C)	/ = 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	Samp	ling
	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			13:0	08
	PH (s.u.)		Sheen	Sheen	Sheen	Sheen	Sheen			She	en
Sp	ecific Conductivity (μS/c	m)	Sheen	Sheen	Sheen	Sheen	Sheen			She	en
	Water Temperature (°C)		Sheen	Sheen	Sheen	Sheen	Sheen			She	en
	Dissolved Oxygen (mg/L)		Sheen	Sheen	Sheen	Sheen	Sheen			She	en
	Turbidity (NTU)		Sheen	Sheen	Sheen	Sheen	Sheen			Shee	en
					Sampling Data						
Sampled By:	PW; JP; Ci	+; JF	Sampling Time:	13:08	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	8.5	0
Notes:				Od	or; 8.50 Gallons Purge	d. Sheen					

Date:	6/1/2016	Site ID #:		538				T	1	
Date.	0/1/20/10	Site ID #;	03		Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JF	P; CH; JF
County:	Florence	Project Manager:	Maia M	filenkova	General Weather Conditions:	Su	nny	Ambient Air Temp (°F):		89
					Quality Assurance					
Mes	er Name	Seri	al #:				Calibration:			
YSI Pro1030 (pH, Spe	cific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor
YSI Pro 20 (C	issolved Oxygen)	12G1	02878	Y or N	Y		,	•		
MicroTPI/1	PW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Y or N	Υ	10.0 NTU: Yor N	Y	
					Well Information					
и	fell ID:	Mv	V-2	Conversion Factor (0	neter (ft.): C): 1" well = 0.047, 2" " well = 0.652	0.1	163	Method of Purging/Sample Collection	Ва	aller
Sample Type: (i.e	. MW, IW, RW, WSW)	М	W	Screened I	nterval (ft.):	•	••	Total Well Depth (TWD) (ft.):	18	3.30
Depth to Free	Product (DFP) (ft.):	N	ID .	Depth to Ground	water (DGW) (ft.):	4.	57	Free Product Thickness (ft.):	Not D	etected
	water column /D – DGW) (ft.):	13	.73	1 casing volume (C\	/ = LWC x C) (gals.):	2.	24	5 casing volumes (5 x CV) (gals.):	11	1.19
1.					Purging Data					
75.			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
Sp	ecific Conductivity (μS/ci	m)	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
.0	Turbidity (NTU)		37.21	52.31	79.68	147.2	291.4			302.6
-;					Sampling Data		- 124			
Sampled By:	PW; JP: C	H; JF	Sampling Time:	13:10	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	8.50
Votes:					Vo Odor; 9.00 Gallons F	Purged.		-		

			1							
Date:	6/1/2016	Site ID #:	03	538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JF	P; CH; JF
County:	Florence	Project Manager:	Maia M	filenkova	General Weather Conditions:	Su	nny	Ambient Air Temp (*F):		89
					Quality Assurance					
Met	er Name	Seri	ial #:				Calibration:			
SI Pro1030 (pH, Spe	cific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Y	pH 10.0: Yor N	Y	S.C.: Yor
YSI Pro 20 (D	hissolved Oxygen)	12G1	02878	Y or N	Y					
MicroTPI/1	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y	
					Well Information					
и	/ell ID:	Mv	V-3	Conversion Factor (6	neter (ft.): C): 1" well = 0.047, 2" " well = 0.652	0.1	163	Method of Purging/Sample Collection	Ва	ailer
Sample Type: (i.e	e. MW, IW, RW, WSW)	М	W	Screened li	nterval (ft.):	٠	•	Total Well Depth (TWD) (ft.):	18	3.20
Depth to Free	Product (DFP) (ft.):	N	D	Depth to Ground	water (DGW) (ft.):	4.	68	Free Product Thickness (ft.):	Not D	elected
	water column /D – DGW) (ft.);	13	.52	1 casing volume (CV	/ = LWC x C) (gals.):	2.	20	5 casing volumes (5 x CV) (gals.):	11	1.02
					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
Spe	ecific Conductivity (μS/cr	n)	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; C	ł; JF	Sampling Time:	12:56	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	10.00
tes:					Odor; 10.00 Gallons Pu	irged.				
-										

	T									
Date:	6/1/2016	Site ID #:	03	538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JP	; CH; JF
County:	Florence	Project Manager:	Maia M	tilenkova	General Weather Conditions:	Su	nny	Ambient Air Temp (°F):		39
					Quality Assurance					
Mei	ter Name	Ser	ial #:				Calibration:			
YSI Pro1030 (pH, Spe	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor
YSI Pro 20 (C	Dissolved Oxygen)	12G1	02878	Yor N	Y					
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Y	
					Well Information			1		
и	Vell ID:	M	W-4	Conversion Factor (0	neter (ft.): C): 1" well = 0.047, 2" " well = 0.652	0.1	63	Method of Purging/Sample Collection	Ba	iler
Sample Type: (i.	e. MW, IW, RW, WSW)	N	IW	Screened I	nterval (ft.):		•	Total Well Depth (TWD) (ft.):	18	.35
Depth to Free	Product (DFP) (ft.):	٨	ND	Depth to Ground	water (DGW) (ft.):	•	•	Free Product Thickness (ft.):	Not D	etected
	water column VD – DGW) (ft.):	#VA	LUE!	1 casing volume (C)	/ = LWC x C) (gals.):	#VAI	LUE!	5 casing volumes (5 x CV) (gals.):	#VA	LUE!
					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.)		•••	***	***	•••	***	•••		
Sp	ecific Conductivity (μS/c	n)	***	***	***	***	***			
	Water Temperature (°C)		***	***	***	***	***	***		
	Dissolved Oxygen (mg/L)		***	***	***	***	***	***		
	Turbidity (NTU)		***	***	***		***			
					Sampling Data					
Sampled By:	PW; JP: C	H; JF	Sampling Time:		Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	
Notes:				Not S	ampled. Under Stack	of Ply wood				

Date:	6/1/2016	Site ID #:	03	3538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW: JF	P; CH; JF
County:	Florence	Project Manager:	Maia M	Vilenkova	General Weather Conditions:	Su	inny	Ambient Air Temp (°F):		89
				187	Quality Assurance		1. 2. 2. 2			
Met	er Name	Ser	ial #:				Calibration:			
YSI Pro1030 (pH, Spe	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Yor N	Y	pH 10.0: Y or N	Y	S.C.: Yor
YSI Pro 20 (C	issolved Oxygen)	12G1	02878	Yor N	Y					
MicroTPI/I	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Υ	10.0 NTU: Y or N	Y	
-					Well Information		<u> </u>			
м	/ell ID:	M	W-5	Conversion Factor (meter (ft.): C): 1" well = 0.047, 2" 1" well = 0.652	0.1	163	Method of Purging/Sample Collection	В	aler
Sample Type: (i.e	e. MW, IW, RW, WSW)	M	IW	Screened I	Interval (ft.):	8.29-	18.29	Total Well Depth (TWD) (ft.):	18	3.29
Depth to Free	Product (DFP) (ft.):	N	ND	Depth to Ground	lwater (DGW) (ft.):	43	35	Free Product Thickness (ft.):	Not D	etected
	water column /D – DGW) (ft.):	13	.94	1 casing volume (C)	V = LWC x C) (gals.):	2.	27	5 casing volumes (5 x CV) (gals.):	11	1.36
					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
Sp	ecific Conductivity (µS/cr	n)	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; CF	t; JF	Sampling Time:	12:30	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	10.00
rtes:				Slig	ght Odor; 10.00 Gallons	Purged.				

Date:	6/1/2016	Site ID #:	03	538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JP	; CH; JF
County:	Florence	Project Manager:	Maia M	lilenkova	General Weather Conditions:	Su	nny	Ambient Air Temp (°F):		99
					Quality Assurance			-		
Med	er Name	Seri	al#:				Calibration:			
VSI Pro1030 (pH, Spe	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor Y
YSI Pro 20 (E	Dissolved Oxygen)	12G1	02878	Y or N	Y					
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Y or N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Y	
					Well Information					
И	Velf ID:	M	N-6	Conversion Factor (neter (ft.): C): 1" well = 0.047, 2" " well = 0.652	0.1	63	Method of Purging/Sample Collection	Ba	iler
Sample Type: (i.	e. MW, IW, RW, WSW)	М	w	Screened I	nterval (ft.):	8.29-	18.29	Total Well Depth (TWD) (ft.):	18	.29
Depth to Free	Product (DFP) (ft.):		ID	Depth to Ground	water (DGW) (ft.):	4.	35	Free Product Thickness (ft.):	Not D	etected
	water column VD – DGW) (ft.):	13	.94	1 casing volume (C	V = LWC x C) (gals.):	2.	27	5 casing volumes (5 x CV) (gals.):	11	.36
h. V.					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		
Tue-	Time (military)		10:00	10:02	10:04					10:06
	PH (s.u.)		7.21	7.15	7.11					7.08
Sp	ecific Conductivity (µS/c	m)	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; C	H; JF	Sampling Time:	12:30	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	5.00
cies:					No Odor; 5.00 Gallons F	Purged.				
,main										

					,						
Date:	6/1/2016	Site ID #:	03	538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JF	P; CH; JF	
County:	Florence	Project Manager:	Maia N	filenkova	General Weather Conditions:	Su	inny	Ambient Air Temp (°F)		89	
				1 1 2 2 2 2 1	Quality Assurance						
Me	ter Name	Sen	ial #:				Calibration:				
YSI Pro1030 (pH, Spe	ocific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor	Υ
YSI Pro 20 (E	Dissolved Oxygen)	12G1	02878	Yor N	Y						
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y		
					Well Information						
И	Vell ID:	M	N-7	Conversion Factor (meter (ft.): C): 1" well = 0.047, 2" I" well = 0.652	0.	163	Method of Purging/Sample Collection	В	ailer	
Sample Type: (i.	e. MW, IW, RW, WSW)	М	w	Screened I	Interval (ft.):	8.38-	18.38	Total Well Depth (TWD) (ft.):	18	1.38	
Depth to Free	Product (DFP) (ft.):	N	D	Depth to Ground	water (DGW) (ft.):	3.	97	Free Product Thickness (ft.):	Not D	etected	
	water column VD – DGW) (ft.):	14	.41	1 casing volume (C	V = 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	Samp	oling
	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			12:4	41
547,2	PH (s.u.)		5.68	5.73	5.75	5.79	5.81			5.8	10
Sp	ecific Conductivity (μS/cr	n)	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			1.00	.3
	Turbidity (NTU)		20.40	39.61	47.14	92.68	147.2			203.	.4
					Sampling Data						
Sampled By:	PW; JP; Ch	ł; JF	Sampling Time:	12:30	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Galions Purged:	10.0	30
Votes:				N	o Odor; 10.00 Gallons I	Purged.					

Date:	6/1/2016	Site ID #:	03	3538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JF	P; CH; JF
County:	Florence	Project Manager:	Mais N	dilenkova	General Weather Conditions:	Su	inny	Ambient Air Temp (°F):		89
					Quality Assurance					
Me	ter Name	Ser	ial #:			,	Calibration:			
YSI Pro1030 (pH, Sp	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Y or N	Y	pH 7.0; Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor Y
YSI Pro 20 (I	Dissolved Oxygen)	12G1	02878	Yor N	Y				1	
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Y	
					Well Information					
	Vell ID:	M	N-B	Conversion Factor (meter (ft.): C): 1" well = 0.047, 2" I" well = 0.652	0.	163	Method of Purging/Sample Collection	Ba	ailer
Sample Type: (i.	e. MW, IW, RW, WSW)	h	lw	Screened I	interval (ft.):	8.29-	18.29	Total Well Depth (TWD) (ft.):	18	3.29
Depth to Free	Product (DFP) (ft.):	1	ND	Depth to Ground	lwater (DGW) (ft.):	3.	08	Free Product Thickness (ft.):	Not D	etected
	f water column VD – DGW) (ft.);	15	.21	1 casing volume (C	V = LWC x C) (gals.):	2.	48	5 casing volumes (5 x CV) (gals.):	12	2.40
					Purging Data			in the second second		
			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
Sp	ecific Conductivity (µS/cr.	n)	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; CF	f; JF	Sampling Time:	12:00	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	10.00
lotes:				N	lo Odor; 10.00 Gallons	Purged.				

			1					T	Υ	
Date:	6/1/2016	Site ID #:	03	538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JP	; CH; JF
County:	Florence	Project Manager:	Maia M	ilenkova	General Weather Conditions:	Su	nny	Ambient Air Temp (°F):		39
					Quality Assurance			•	•	
Met	er Name	Seri	ial #:				Calibration:			
YSI Pro1030 (pH, Spe	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Y or N	Y	pH 7.0: Y or N	Υ	pH 10.0: Y or N	Y	S.C.: Yor Y
YSI Pro 20 (E	Dissolved Oxygen)	12G1	02878	Yor N	Y			-		
MicroTPI/1	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y	
				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Well Information					
и	Vell ID:	MV	N-9	Conversion Factor (meter (ft.): C): 1" well = 0.047, 2" I" well = 0.652	0.1	63	Method of Purging/Sample Collection	Ва	iler
Sample Type: (i.e	e. MW, IW, RW, WSW)	М	w	Screened I	interval (ft.):	8.33-	18.33	Total Well Depth (TWD) (ft.):	18	.33
Depth to Free	Product (DFP) (ft.):	N	ID	Depth to Ground	water (DGW) (ft.):	**	•	Free Product Thickness (ft.):	Not D	elected
	water column VD – DGW) (ft.):	#VA	LUE!	1 casing volume (C	V = LWC x C) (gals.):	#VAI	.UE!	5 casing volumes (5 x CV) (gals.):	#VA	TUE!
					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.)									
Sp	ecific Conductivity (μS/c	m)					-			
	Water Temperature (°C)									
	Dissolved Oxygen (mg/L)									
	Turbidity (NTU)									
Sampled By:	PW; JP; C	H; JF	Sampling Time:	N/A	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	
rutas;					Not Sampled. Not on	Мар				
782					-					

Date:	6/1/2016	Site ID #:	03	538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JF	; CH; JF		
County:	Florence	Project Manager:	Maia N	filenkova	General Weather Conditions:	Su	nny	Ambient Air Temp (°F):		39		
					Quality Assurance							
Met	er Name	Sen	ial #;				Calibration:					
Pro1030 (pH, Spe	cific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor	Y	
YSI Pro 20 (D	issolved Oxygen)	12G1	02878	Yor N	Y							
MicroTPI/1	PW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Y or N	Υ	10.0 NTU: Yor N	Y			
					Well Information							
и	/eli ID:	MV	V-10	Conversion Factor (0	neter (ft.): C): 1" well = 0.047, 2" " well = 0.652	0.1	163	Method of Purging/Sample Collection	8:	Bailer		
Sample Type: (i.e	a. MW, IW, RW, WSW)	M	w	Screened li	nterval (ft.):	***		Total Well Depth (TWD) (ft.):	18	18.25		
Depth to Free	Product (DFP) (ft.):		ID .	Depth to Ground	water (DGW) (ft.):			Free Product Thickness (ft.):	Not Detected			
	water column /D – DGW) (ft.):	#VA	LUE!	1 casing volume (C\	/ = LWC x C) (gals.):	#VAI	LUE!	5 casing volumes (5 x CV) (gals.):	#VA	LUE!		
					Purging Data							
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampi	ling	
5277	Volume Purged (gallons)		0.00	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!				
N	Time (military)											
	PH (s.u.)											
Sp.	ecific Conductivity (µS/cr.	n)										
	Water Temperature (°C)											
L	Dissolved Oxygen (mg/L)											
	Turbidity (NTU)											
1												
Sampled By:	PW; JP; Ch	H; JF	Sampling Time:	N/A	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:			
Notes:					Not Sampled. Not on	Мар						

			T								
Date:	6/1/2016	Site ID #:	03	538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JF	P; CH; JF	
County:	Florence	Project Manager:	Maia M	filenkova	General Weather Conditions:	Su	nny	Ambient Air Temp (°F):		89	
					Quality Assurance						
Met	er Name	Seri	ial #:				Calibration:				
YSI Pro1030 (pH, Spe	cific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Υ	pH 10.0: Y or N	Y	S.C.: Yor	Υ
YSI Pro 20 (D	issolved Oxygen)	12G1	02878	Y or N	Y						
MicroTPl/1	PW (Turbidity)	2013	01183	0.0 NTU: Yor N	Υ	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y		
					Well Information						
и	rell ID:	MW	-10R	Conversion Factor (neter (ft.): C): 1" well = 0.047, 2" !" well = 0.652	0.1	63	Method of Purging/Sample Collection	Ba	ailer	
Sample Type: (i.e	e. MW, IW, RW, WSW)	M	IW	Screened I	nterval (ft.):	1.61-11.61		Total Well Depth (TWD) (ft.):	11	11.61	
Depth to Free	Product (DFP) (ft.):	N	D	Depth to Ground	water (DGW) (ft.):			Free Product Thickness (ft.):	Not Detected		
	water column /D – DGW) (ft.):	AV#	LUE!	1 casing volume (C	V = LWC x C) (gals.):	#VA	LUE!	5 casing volumes (5 x CV) (gals.):	#٧	LUE!	
					Purging Data						
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Samplin	g
	Volume Purged (gallons)		0.00	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!			
,	Time (military)										
part of	PH (s.u.)										
Sp	ecific Conductivity (μS/cr	n)									
	Water Temperature (°C)										
	Dissolved Oxygen (mg/L)										
	Turbidity (NTU)										
- .											
Sampled By:	PW; JP; CI	t; JF	Sampling Time:	N/A	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:		
Votes:				N	ot Sampled. Under She	et Metal					
-											

Date:	6/1/2016	Site ID #:	03	538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW: JF	CH; JF	
County:	Florence	Project Manager:	Maia M	lilenkova	General Weather		nny	Ambient Air Temp (°F):		39	
					Conditions: Quality Assurance			Ambient Au Temp (P).			
Met	ter Name	Seri	ial #:				Calibration:				
'SI Pro1030 (pH, Spe	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Yar N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor	Υ
YSI Pro 20 (0	Dissolved Oxygen)	12G1	02878	Y or N	Y						
MicroTPI/1	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Y or N	Υ	10.0 NTU: Yor N	Y		
					Well Information					L	
и	Vell ID:	MV	V-11	Conversion Factor (0	neter (ft.): C): 1" well = 0.047, 2" " well = 0.652	0.163		Method of Purging/Sample Collection	84	ailer	
Sample Type: (i.e	e. MW, IW, RW, WSW)	М	IW	Screened li	interval (ft.):	1.61-11.61		Total Well Depth (TWD) (ft.):	11.61		
Depth to Free	Product (DFP) (ft.):	N	ID	Depth to Ground	water (DGW) (ft.):	5,36		Free Product Thickness (ft.):	Not Detected		
Length of (LWC = TW	water column VD – DGW) (ft.):	6.	25	1 casing volume (CV	V = 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	Samp	ling
	Volume Purged (gallons)		0.00	1.02	2.04	3.06	4.08	5.09			
	Time (military)		10:00	10:04	10:06					10:0)7
	PH (s.u.)		6.30	6.21	6,19					6.2	0
Sp	ecific Conductivity (μS/ci	n)	82.5	83.4	83.9					84.	2
	Water Temperature (°C)		22.6	21.2	21.3					21.3	3
	Dissolved Oxygen (mg/L)		3.52	2.43	2.37					2.3	3
-	Turbidity (NTU)		21.36	49.82	- 121.4					131.	.6
					Sampling Data						
Sampled By:	PW; JP; CI	t; JF	Sampling Time:	10:07	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	5.50	0
tes:					No Odor; 5.50 gallons ;	ourged					

Date: County: Meter N. Pro1030 (pH, Specific YSI Pro 20 (Disso	6/1/2016 Florence lame : Conductivity, Temp.)	Site ID #: Project Manager: Seri	Maia N	1538 Mienkova	Site Name: General Weather Conditions:	Coastal 76	Truck Stop	Field Personnel:	PW; JP	CH; JF	
Meter N. Pro1030 (pH, Specific YSI Pro 20 (Disso	lame			Mienkova	Conditions:	Su		1			
Pro1030 (pH, Specific YSI Pro 20 (Disso		Seri	al #				nny	Ambient Air Temp (°F):		99	
Pro1030 (pH, Specific YSI Pro 20 (Disso		Seri	al#-		Quality Assurance						
YSI Pro 20 (Disso	Conductivity, Temp.)						Calibration:				
		15H1	01448	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	Υ
MicroTPI/TPW	olved Oxygen)	12G1	02878	Y or N	Υ .						
	(Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Y or N	Υ	10.0 NTU: Yor N	Y		
					Well Information						_
Well II	D:	MV	V-14	Conversion Factor (meter (ft.): 'C): 1" well = 0.047, 2" 4" well = 0.652	0.1	63	Method of Purging/Sample Collection	Ва	aller	
Sample Type: (i.e. MV	W, IW, RW, WSW)	М	w	Screened	Interval (ft.):	8.29-18.29		Total Well Depth (TWD) (ft.):	18	18.29	
Depth to Free Prod	duct (DFP) (ft.):	N	D	Depth to Ground	fwater (DGW) (ft.):	3.43		Free Product Thickness (ft.):	Not Detected		
Length of wate (LWC = TWD -		14.	.86	1 casing volume (C	V = 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	Samp	ling
Volu	ime Purged (gallons)		0.00	2.42	4.84	7.27	9.69	12.11			
	Time (military)		11:04	11:07	11:10	11:14				11:1	5
	PH (s.u.)		5.28	5.84	5.92	5,95				5.99	5
Specifi	ic Conductivity (µS/cm	1)	66.2	65.3	64.7	64.5				65.	1
Wat	ter Temperature (°C)		21.6	20.3	20.2	20.2				19.9	9
Diss	olved Oxygen (mg/L)		5.43	5.52	5.52	5.70				5.9	1
	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: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	8.00)
s:					No Odor; 8.00 gallons p	urged					

Date:	6/1/2016	Site ID #;	03	538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JF	P; CH; JF	
County:	Florence	Project Manager:	Maia N	filenkova	General Weather Conditions:	Su	inny	Ambient Air Temp (°F):		89	
					Quality Assurance		Section 1977				
Me	ter Name	Sen	ial #:				Calibration:				
YSI Pro1030 (pH, Spe	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Y or N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor	Υ
YSI Pro 20 (C	Dissolved Oxygen)	12G1	02878	Y or N	Y						
MicroTPV	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y		
					Well Information						
	Vell ID:	MV	V-15	Conversion Factor (neter (ft.): C): 1" well = 0.047, 2" " well = 0.652	0.163		Method of Purging/Sample Collection	Bailer		
Sample Type: (i.	e. MW, IW, RW, WSW)	М	IW	Screened I	interval (ft.):	10-20		Total Well Depth (TWD) (ft.):	20	20.00	
Depth to Free	Product (DFP) (ft.):	٨	ID	Depth to Ground	water (DGW) (ft.):	3.43		Free Product Thickness (ft.):	Not Detected		
	water column VD – DGW) (ft.):	16	.57	1 casing volume (C	V = LWC x C) (gals.):	2.70 5 casing volumes x CV) (gais.):			12	3.50	
	Purging Data										
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampl	ling
-	Volume Purged (gallons)		0.00	2.70	5.40	8.10	10.80	13.50			
	Time (military)		10:24	10:27	10:30					10:3	2
	PH (s.u.)		5.50	5.56	5.59					5.61	1
Sp	ecific Conductivity (μS/ci	n)	50.4	51.2	52.0					52.2	2
-	Water Temperature (°C)		22.4	21.4	21.6					21.7	ī
	Dissolved Oxygen (mg/L)		5.03	5.14	5.21					5.26	;
	Turbidity (NTU) 10.12			71.3	114.7					139.8	8
			-		Sampling Data						
Sampled By:	PW; JP; Cł	H; JF	Sampling Time:	10:32	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	8.50)
lotes:					No Odor; 8.50 gallons p	ourged					
· in											

Date:	6/1/2016	Site ID #:	03	538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JF	P; CH; JF	
County:	Florence	Project Manager:	Maia M	/lienkova	General Weather Conditions:	Su	nny	Ambient Air Temp (°F):		89	
					Quality Assurance						
Me	fer Name	Sen	ial #:				Calibration:				
Y31 Pro1030 (pH, Spe	acific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor	Υ
YSI Pro 20 (E	Dissolved Oxygen)	12G1	02878	Yor N	Y						
MicroTPV	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Y or N	Y	10.0 NTU: Yor N	Υ		
					Well Information						
и	Veil ID:	MV	V-16	Conversion Factor (0	neter (ft.): C): 1" well = 0.047, 2" " well = 0.652	0.1	63	Method of Purging/Sample Collection	Bailer		
Sample Type: (i.	e. MW, IW, RW, WSW)	M	IW	Screened li	nterval (ft.):	11-21		Total Well Depth (TWD) (ft.):			
Depth to Free	Product (DFP) (ft.):	٨	ID	Depth to Ground	water (DGW) (ft.):	3,43		Free Product Thickness (ft.):	Not Detected		
	Length of water column (LWC = TWD - DGW) (ft.): 17.57				/ = LWC x C) (gals.);	2.3	36	5 casing volumes (5 x CV) (gals.):	14	4.32	
					Purging Data						
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Samplii	ng
	Volume Purged (gallons)				5.73	8.59	11,46	14.32			
<i>(</i> *	Time (military)										
	PH (s.u.)										
Sp	ecific Conductivity (µS/cr	n)									
	Water Temperature (°C)										
	Dissolved Oxygen (mg/L)										
	Turbidity (NTU)										
					Sampling Data						,
Sampled By:	PW; JP; CF	H; JF	Sampling Time:	N/A	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:		
Notes:				Not	Sampled; Under Stack	of Wood					

		Ι	Т							
Date:	6/1/2016	Site ID #:	03	3538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; Ji	P; CH; JF
County:	Florence	Project Manager:	Maia I	Milenkova	General Weather Conditions:	Su	nny	Ambient Air Temp (°F):	r	89
					Quality Assurance					
Met	er Name	Ser	ial #:				Calibration:			
'SI Pro1030 (pH, Spe	cific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0; Y or N	Y	pH 10.0: Yor N	Y	S.C.: Yor
YSI Pro 20 (C	lissolved Oxygen)	12G1	02878	Yor N	Y			-		
MicroTP1/1	PW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Y or N	Y	10.0 NTU: Y or N	Y	
					Well Information					
и	fell ID:	MV	V-17	Conversion Factor (neter (ft.): C): 1" well = 0.047, 2" " well = 0.652	0.1	163	Method of Purging/Sample Collection	В:	ailer
Sample Type: (i.e	. MW, IW, RW, WSW)	М	W	Screened I	nterval (ft.):	11-21		Total Well Depth (TWD) (ft.):		
Depth to Free	Product (DFP) (ft.):	N	ID	Depth to Ground	water (DGW) (ft.):	4.54		Free Product Thickness (ft.):	Not Detected	
	water column /D – DGW) (ft.):	16	.46	1 casing volume (C)	V = LWC x C) (gals.):	2.9	68	5 casing volumes (5 x CV) (gals.):	13	3.41
					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		
3	Time (military)		11:35	11:37	11:39					11:40
	PH (s.u.)		5.56	5.61	5.70					5.72
	ecific Conductivity (µS/cr	n)	83.3	84.0	84.2					84.3
•	Water Temperature (°C)		23.2	22.0	22					21.9
	hissolved 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; CF	ł; JF	Sampling Time:	11:40	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	8.50
					Odor; 8.50 gallons pu	rged				
_										
										

Date:	6/1/2016	Site ID #:	03	538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JF	; CH; JF	
County:	Florence	Project Manager:	Maia N	filenkova	General Weather Conditions:	Su	nny	Ambient Air Temp (°F):		89	
					Quality Assurance						
Me	ter Name	Ser	lal #:				Calibration:				
्री Pro1030 (pH, Sp	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor	Y
YSI Pro 20 (I	Dissolved Oxygen)	12G1	02878	Y or N	Y						
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1,0 NTU: Yor N	Y	10.0 NTU: Yor N	Y		
					Well Information						
	Vell ID:	MV	V-18	Conversion Factor (neter (ft.): C): 1" well = 0.047, 2" " well = 0.652	0.163		Method of Purging/Sample Collection	Bailer		
Sample Type: (i.	e. MW, IW, RW, WSW)	N	w	Screened is	nterval (ft.):	11-21		Total Well Depth (TWD) (ft.):		21.00	
Depth to Free	Product (DFP) (ft.):	h	ND	Depth to Ground	water (DGW) (ft.):	4.93		Free Product Thickness (ft.):	Not Detected		
	(water column VD – DGW) (ft.):	16	.07	1 casing volume (C)	/ = LWC x C) (gals.):	2.62		5 casing volumes (5 x CV) (gals.):	13	3.10	
					Purging Data						
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Samp	ling
*	Volume Purged (gallons)		0.00	2.62	5.24	7.86	10.48	13.10			
/3 	Time (military)		12:08	12:10	12:12	12:14				12:1	5
	PH (s.u.)		5.59	5.51	5.49	5.44				5.45	5
Sp	ecific Conductivity (μS/cr	n)	40.3	41.7	42.1	42.9				43.6	В
	Water Temperature (°C)		22.4	22.0	21.9	21.9				21.7	7
	Dissolved Oxygen (mg/L)		2.18	2.37	2.21	2.77				2.56	8
	Turbidity (NTU) 20.61			72.14	83.68	104.4				132	?
					Sampling Data						
Sampled By:	PW; JP; Cł	H; JF	Sampling Time:	12:15	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	8.00)
Notes:				1	No Odor; 8.00 gallons p	ourged					
1											

Date:	6/1/2016	Site ID #;	03	538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW: IE	c CH; JF
County:	Florence	Project Manager:	Maia N	Menkova	General Weather		nny			
41		- Toyou manager.			Conditions: Quality Assurance	50	iniy	Ambient Air Temp (°F):		99
Met	er Name	Sen	lal #:		quality Assurance		Calibration:			
YSI Pro1030 (pH, Spe	cific Conductivity, Temp.)	15H1	01448	pH 4.0: Y or N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor
YSI Pro 20 (D	issolved Oxygen)	12G1	02878	Yor N	Y					
MicroTPI/1	PW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Y or N	Y	10.0 NTU: Yor N	Y	
					Well Information					
и	'ell ID:	MV	V-19	Conversion Factor (meter (ft.): C): 1" well = 0.047, 2" I" well = 0.652	0.163		Method of Purging/Sample Collection	Bailer	
Sample Type: (i.e	. MW, IW, RW, WSW)	M	MV	Screened I	interval (ft.):	2.12-12.12		Total Well Depth (TWD) (ft.):	12.12	
Depth to Free	Product (DFP) (ft.):	h	ID	Depth to Ground	lwater (DGW) (ft.):	3.13		Free Product Thickness (ft.):	Not Detected	
	Length of water column (LWC = TWD - DGW) (ft.): 8.99			1 casing volume (C	V = LWC x C) (gals.):	1.	4 7	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
Spi	ecific Conductivity (µS/cr	n)	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	t; JF	Sampling Time:	12:15	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	6.50
otes:					No Odor; 6.50 gallons p	ourged		•		
-										
-										

Date:	6/1/2016	Site ID #:		538	Site No.	Constal 70	Total Observ	T	I		
		Site ID #:			Site Name:	Coasiai /6	Truck Stop	Field Personnel:	PW; JF	CH; JF	
County:	Florence	Project Manager:	Maia N	filenkova	General Weather Conditions:	Su	nny	Ambient Air Temp (°F):		89	
*					Quality Assurance						
Met	er Name	Seri	al #:				Calibration:				
YSI Pro1030 (pH, Spe	cific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Υ	pH 10.0: Y or N	Y	S.C.: Yor	Υ
Y\$1 Pro 20 (D	issolved Oxygen)	12G1	02878	Yor N	Y						
MicroTPI/1	PW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y		
					Well Information			1. 1. / 1. 1. 2. 1. 1. 1.		L	
	ell ID:	MV	<i>l</i> -20	Conversion Factor (C	neter (ft.): C): 1" well = 0.047, 2" " well = 0.652	0.1	63	Method of Purging/Sample Collection	Ва	sailer	
Sample Type: (i.e	. MW, IW, RW, WSW)	м	w	Screened li	nterval (ft.):	4,50-14,50		Total Well Depth (TWD) (ft.):	14.50		
Depth to Free	Product (DFP) (ft.);	N	D	Depth to Ground	water (DGW) (ft.):			Free Product Thickness (ft.):	Not Detected		
	Length of water column (LWC = TWD - DGW) (ft.): 14.5				/ = LWC x C) (gals.):	2.36 5 casing volume: x CV) (gals.):			11	.B2	
					Purging Data						
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Samp	ling
	/olume Purged (gallons)			2.36	4.73	7.09	9.45	11.82			
	Time (military)										
	PH (s.u.)										
Sp	ecific Conductivity (μS/c	m)									
	Water Temperature (°C)										
	issolved Oxygen (mg/L)										
	Turbidity (NTU)										
					Sampling Data		The second				
_ Sampled By:	PW; JP; Ci	H; JF	Sampling Time:		Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:		
lctes:				No	t Sampled. Under Pile	of Scrap					

		1									
Date:	6/1/2016	Site ID #:	03	538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JP	; CH; JF	
County:	Florence	Project Manager:	Maia N	filenkova	General Weather Conditions:	Su	nny	Ambient Air Temp (*F):		39	
					Quality Assurance						
Met	ter Name	Ser	ial #:				Calibration:				
YSI Pro1030 (pH, Spe	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor	Υ
YSI Pro 20 (C	lissolved Oxygen)	12G1	02878	Yor N	Y						
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Υ	10.0 NTU: Yor N	Y		
					Well Information						
И	/ell ID:	MV	V-21	Conversion Factor (6	neter (ft.): C): 1" well = 0.047, 2" " well = 0.652	0.1	63	Method of Purging/Sample Collection	Ba	Bailer	
Sample Type: (i.e	e. MW, IW, RW, WSW)	N	IW	Screened I	nterval (ft.):	2.75-12.75		Total Well Depth (TWD) (ft.):	12.75		
Depth to Free	Product (DFP) (ft.):	٨	ID	Depth to Ground	water (DGW) (ft.):	2.63		Free Product Thickness (ft.):	Not Detected		
	Length of water column (LWC = TWD - DGW) (ft.): 10.12				/ = 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	Sampi	ling
7.0	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			10:3	3
	PH (s.u.)		6.10	6.15	6.21	6.20	6.18			6.17	7
Sp	ecific Conductivity (μS/c	n)	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	4
ı	Dissolved Oxygen (mg/L)		1.65	1.73	1.82	1.97	2.03			2.14	4
	Turbidity (NTU) 22.61			52.14	86.31	102.7	140.4			170.	3
					Sampling Data						
Sampled By:	PW; JP; C	+; 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 p	ourged					
-											

			Т								
Date:	6/1/2016	Site ID #:	03	3538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JI	P; CH; JF	
County:	Florence	Project Manager:	Maia N	Mienkova	General Weather Conditions:	Su	inny	Ambient Air Temp (°F)		89	
					Quality Assurance						
Met	er Name	Ser	ial #:				Calibration:				
YSI Pro1030 (pH, Spe	cific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	ρΗ 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor	Y
YSI Pro 20 (D	issolved Oxygen)	12G1	02878	Yor N	Y						
MicroTPI/T	PW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Y		
					Well Information						
w	ell ID:	MV	V-22	Conversion Factor (6	neter (ft.): C): 1" well = 0.047, 2" " well = 0.652	0.1	163	Method of Purging/Sample Collection	Bailer		NAME OF THE OWNER OWNER OF THE OWNER OWNE
Sample Type: (i.e	. MW, IW, RW, WSW)	M	īw	Screened I	nterval (ft.):	5.09-15.09		Total Well Depth (TWD) (ft.):		i.09	
	Product (DFP) (ft.):	N	ID	Depth to Ground	water (DGW) (ft.):	4.31		Free Product Thickness (ft.):	Not Detected		
	water column D – 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	Sampl	ling
V	folume Purged (gallons)		0.00	1.76	3.51	5.27	7.03	8.79			
	Time (military)		10:40	10:42	10:44	10:46				10:4	7
:	PH (s.u.)		6.00	6.05	6.12	6.14				6.15	5
Spe	cific Conductivity (µS/ci	n)	59.1	60.0	60.4	60.7				60.9	ð
	Water Temperature (°C)		23.1	22.4	22.5	22.50				22.3	3
D	issolved Oxygen (mg/L)		4.54	4.47	4.31	4.27				4.16	3
	Turbidity (NTU) 20.16			72.14	92.68	121.4				147.	1
					Sampling Data						
Sampled By:	PW; JP; CF	t; JF	Sampling Time:	10:33	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	6.50	,
Notes:				N	lo Odor; 6.50 gallons p	urged					
_											
_											
										_	

-										
Date:	6/1/2016	Site ID #:	03	1538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JF	CH; JF
County:	Florence	Project Manager:	Maia N	dilenkova	General Weather Conditions:	Su	inny	Ambient Air Temp (°F):		89
•					Quality Assurance					
Me	ter Name	Ser	ial #:				Calibration;			
YSI Pro1030 (pH, Spe	ocific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0; Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor
YSI Pro 20 (E	Dissolved Oxygen)	12G1	02878	Yor N	Y					
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Y	
					Well Information				1	
V	Vell ID:	MW	-22D	Conversion Factor (meter (ft.): C): 1" well = 0.047, 2" I" well = 0.652	0.	163	Method of Purging/Sample Collection	84	ailer
Sample Type: (i.	Sample Type: (i.e. MW, IW, RW, WSW)			Screened I	interval (ft.):	39.23	-44.23	Total Well Depth (TWD) (ft.):	44	1.23
Depth to Free	Depth to Free Product (DFP) (ft.):			Depth to Ground	water (DGW) (ft.):	6.	32	Free Product Thickness (ft.):	Not Detected	
	Length of water column (LWC = TWD – DGW) (ft.):			1 casing volume (C	V = 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		
Sp	ecific Conductivity (μS/cr	n)	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:				11:22	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	31.00
otes:				N	lo Odor; 31.00 gallons	purged				

		I	1								
Date:	6/1/2016	Site ID #:	03	538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JF	; CH; JF	
County:	Florence	Project Manager:	Maia M	filenkova	General Weather Conditions:	Su	nny	Ambient Air Temp (°F):		89	
					Quality Assurance						
Med	ter Name	Ser	ial #:				Calibration:				
YSI Pro1030 (pH, Spe	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Υ	pH 10.0: Y or N	Y	S.C.: Yor	Y
YSI Pro 20 (C	Dissolved Oxygen)	12G1	02878	Y or N	Y		•				
MicroTPI/1	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y		
				Well Information							
и	Yell ID:	MV	V-23	Conversion Factor (0	neter (ft.): C): 1" well = 0.047, 2" " well = 0.652	0.1	163	Method of Purging/Sample Collection	Ва	aller	
Sample Type: (i.e	8. MW, IW, RW, WSW)	N	W	Screened I	nterval (ft.):	5.57-	15.57	Total Well Depth (TWD) (ft.):	15	i.57	
Depth to Free	Product (DFP) (ft.):	N	ID .	Depth to Ground	water (DGW) (ft.):	3.	22	Free Product Thickness (ft.):	Not Detected		
	Length of water column (LWC = TWD - DGW) (ft.):			1 casing volume (C\	/ = LWC x C) (gals.):	2.0	01	5 casing volumes (5 x CV) (gals.):	10	.07	
					Purging Data						
er over			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Samp	ling
***	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				10:4	4
	PH (s.u.)		5.84	5.91	5.99	6.01				6.03	2
Sp	ecific Conductivity (μS/ci	n)	181.5	182.7	183.1	184.4				184.	.0
	Water Temperature (°C)		22.4	21.0	20.9	20.80				20.8	В
	Dissolved Oxygen (mg/L)		3.21	3.71	3.94	4.00				4.07	7
	Turbidity (NTU)		19.14	56.71	79.36	100,2				143.	8
					Sampling Data						
Sampled By:	pled 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)
Vote:					No Odor; 6.50 gallons p	ourged					
· .											
-11											

Date:	6/1/2016	Site ID #:	00	3538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JE	P: CH; JF	
County:	Florence	Project Manager:	Maia f	Milenkova	General Weather Conditions:	Su	inny	Ambient Air Temp (°F):		B9	
					Quality Assurance		4				
Me	rter Name	Ser	ial #:				Calibration:				
YSI Pro1030 (pH, Sp	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Y or N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor	Υ
YSI Pro 20 (I	Dissolved Oxygen)	12G1	102878	Y or N	Y					N	
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y		
					Well Information						
V	Well ID:	MV	V-2 4	Conversion Factor (meter (ft.): (C): 1" well = 0.047, 2" 4" well = 0.652	0,	163	Method of Purging/Sample Collection	8	ailer	
Sample Type: (i.	Sample Type: (i.e. MW, IW, RW, WSW)		w	Screened	Interval (ft.):	2.99-	12.99	Total Well Depth (TWD) (ft.):	12	2.99	
Depth to Free	Depth to Free Product (DFP) (ft.):			Depth to Ground	fwater (DGW) (ft.):	3.	30	Free Product Thickness (ft.):	Not Detected		
	Length of water column (LWC = TWD - DGW) (ft.):			1 casing volume (C	V = 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	Samp	ling
	Volume Purged (gallons)		0.00	1.58	3.16	4.74	6.32	7.90			
Las 4,1	Time (military)		10:11	10:13	10:15					10:1	17
	PH (s.u.)		5.67	5.6	5.62					5.6	3
Sp	necific Conductivity (μS/cr	n)	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					2.4	9
	Turbidity (NTU)		42.53	79.31	102.6					147.	.1
					Sampling Data						
Sampled By:	PW; JP; CF	ł; JF	Sampling Time:	10:44	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	3.50	0
lotes.					No Odor; 3.50 gallons ;	ourged		-	1		

Date:	6/1/2016	Site ID #:	03	538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JF	PW; JP; CH; JF	
County:	Florence	Project Manager:	Maia M	Nenkova	General Weather Conditions:	Su	nny	Ambient Air Temp (°F):		99	
					Quality Assurance						
Ме	ter Name	Ser	ial #:				Calibration:				
YSI Pro1030 (pH, Sp	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor	Υ
YSI Pro 20 (I	Dissolved Oxygen)	12G1	02878	Yor N	Y			•			
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y		
					Well Information						
	Vell ID:	Mv	V-25	Conversion Factor (6	meter (ft.): C): 1" well = 0.047, 2" !" well = 0.652	0.1	163	Method of Purging/Sample Collection	Ва	ailer	
Sample Type: (i.	e. MW, IW, RW, WSW)	N	IW .	Screened to	Interval (ft.):	3.16-	13.16	Total Well Depth (TWD) (ft.):	13	3.16	
Depth to Free	Depth to Free Product (DFP) (ft.):			Depth to Ground	lwater (DGW) (ft.):	3.	40	Free Product Thickness (ft.):	Not Detected		
	f water column ND – DGW) (ft.):	9.	76	1 casing volume (C)	V = 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	Sampli	ing
	Volume Purged (gallons)		0.00		3.18	4.77 6.36		7.95			
:3	Time (military)		10:13	10:15	10:17					10:18	В
	PH (s.u.)		5.66	5.72	5.79					5.83	ı
Sp	pecific Conductivity (μS/cr	m)	96.6	95.2	94.9					94.5	
	Water Temperature (°C)		23.2	21.2	21.4					21.5	i
TO TO REAL PROPERTY OF THE PARTY 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:			Sampling Time:	10:18	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	3.50	
Votes:					No Odor; 3.50 gallons p	purged					
-											

Date:	6/1/2016	Site ID #:	03	538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JP; CH; JF			
County:	Florence	Project Manager:	Maia M	filenkova	General Weather		nny	Ambient Air Temp (°F):				
					Conditions: Quality Assurance		,	Ambient Air Temp (*F):		89		
Mer	er Name	Sec	ial #:		Quality Assurance		0-1111					
							Calibration:					
YSI Pro1030 (pH, Spe	cific Conductivity, Temp.)	15H1	01448	pH 4.0: Y or N	Y	pH 7.0: Y or N	Y	pH 10.0: Yor N	Υ	S.C.: Yor		
YSI Pro 20 (E	issolved Oxygen)	12G1	02878	Yor N	Y							
MicroTP1/7	PW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Y or N	Y	10.0 NTU: Yor N	Υ			
					Well Information							
и	/ell ID:	MV	V-26	Conversion Factor (6	neter (ft.): C): 1" well = 0.047, 2" " well = 0.652	0.1	63	Method of Purging/Sample Collection	Ва	ailer		
Sample Type: (i.e	. MW, IW, RW, WSW)	M	w	Screened li	nterval (ft.):	4.86-	14.86	Total Well Depth (TWD) (ft.):	14	.86		
Depth to Free	Product (DFP) (ft.):	h	D	Depth to Ground	water (DGW) (ft.):	4.5	59	Free Product Thickness (ft.):	Not D	etected		
	water column /D – DGW) (ft.):	10	.27	1 casing volume (CV	/ = LWC x C) (gals.):	1.4	B7	5 casing volumes (5 x CV) (gals.):	8.	37		
To be and					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				
5	Time (military)		10:14	10:16	10;18					10:19		
	PH (s.u.)		5.85	5.91	5.93					5.04		
Sp	ecific Conductivity (µS/cr	n)	123.6	122.1	121.7					121.5		
	Water Temperature (°C)		23.5	21.9	22.4					22.4		
t.	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	ł; JF	Sampling Time:	10:19	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	4.00		
Nores:			No Odor; 4.00 gallons purged									
										_		

Date:	6/1/2016	Site ID #:	03	538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JF	CH; JF	
County:	Florence	Project Manager:	Maia M	filenkova	General Weather Conditions:	Su	nny	Ambient Air Temp (*F):		89	
					Quality Assurance						
Me	ter Name	Ser	ial #:				Calibration:				
75) Pro1030 (pH, Spe	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor	Υ
YSI Pro 20 (L	Dissolved Oxygen)	12G1	0287B	Yor N	Y					L	
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Y		
					Well Information				1		
v	Vell ID:	MV	V-27	Conversion Factor (meter (ft.): C): 1" well = 0.047, 2" !" well = 0.652	0.1	163	Method of Purging/Sample Collection	Ba	ailer	
Sample Type: (i.	e. MW, IW, RW, WSW)	M	IW	Screened f	nterval (ft.):	5.05-	15.05	Total Well Depth (TWD) (ft.):	15	5.05	
Depth to Free	Product (DFP) (ft.):	N	ID	Depth to Ground	water (DGW) (ft.):	3.	96	Free Product Thickness (ft.):	Not Detected		
	Length of water column (LWC = TWD - DGW) (ft.):			1 casing volume (C)	V = LWC x C) (gals.):	1.2	81	5 casing volumes (5 x CV) (gals.):	9.	.04	
					Purging Data						
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Samp	oling
	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				10:0	07
	PH (s.u.)		5.65	5.69	5.74	5.73				5.7	1
Sp	ecific Conductivity (µS/ci	n)	95.8	94.3	93.7	93.1				93.	.0
<u> </u>	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				1.8	:1
	Turbidity (NTU)		19.14	40.17	83.68	127.3				175	.1
					Sampling Data						
Sampled By:				10:07	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	6.0	0
Notes:				No Odor; 6.00 gallons purged							

Date:	6/1/2016	Site ID #:	03	3538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JR	PW; JP; CH; JF	
County:	Florence	Project Manager:	Maia M	/ilenkova	General Weather Conditions:	Su	nny	Ambient Air Temp (°F):		89	
					Quality Assurance						
Me	ter Name	Ser	ial #:				Calibration:				
YSI Pro1030 (pH, Spe	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor	Υ
YSI Pro 20 (E	Dissolved Oxygen)	12G1	02878	Yor N	Y			•			
MicroTPl/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y		
					Well Information						
V	Vell ID:	MV	V-28	Conversion Factor (neter (ft.): C): 1" well = 0.047, 2" I" well = 0.652	0.1	163	Method of Purging/Sample Collection	Ва		
Sample Type: (i.	e, MW, IW, RW, WSW)		īW	Screened I	nterval (ft.):	2.97-	12.97	Total Well Depth (TWD) (ft.):	12	2.97	
Depth to Free	Product (DFP) (ft.):	•	ID	Depth to Ground	water (DGW) (ft.):			Free Product Thickness (ft.):	Not Detected		
	Length of water column (LWC = TWD - DGW) (ft.):			1 casing volume (CV	V = LWC x C) (gals.);	2.	11	5 casing volumes (5 x CV) (gals.);	10).57	
					Purging Data			5.327			
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Samp	ling
	Volume Purged (gallons)		0.00	2.11	4.23	6.34	8.46	10.57			
	Time (military)										
	PH (s.u.)										
Sp	ecific Conductivity (μS/ci	m)									
	Water Temperature (°C)										
	Dissolved Oxygen (mg/L)										
	Turbidity (NTU)										
					Sampling Data				2 2		
Sampled By:	PW; JP; Cł	H; JF	Sampling Time:		Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:		
Notes:				Not S	Sampled. Under Pile of	Used Tires					

Date:	6/1/2016	Site ID #:	03	538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JP; CH; JF			
County:	Florence	Project Manager:	Maia N	filenkova	General Weather Conditions:	Su	nny	Ambient Air Temp (°F):		99		
				7 4 7 7 7 11 13	Quality Assurance							
Met	er Name	Seri	al #:				Calibration:					
YSI Pro1030 (pH, Spe	cific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor	Y	
YSI Pro 20 (D	issolved Oxygen)	12G1	02878	Yor N	Y							
MicroTPI/I	(Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	. Y	10.0 NTU: Yor N	Y			
					Well Information							
и	/elf ID:	TV	V-1	Conversion Factor (neter (ft.): C): 1" well = 0.047, 2" !" well = 0.652	0.1	63	Method of Purging/Sample Collection	Ва	ailer		
Sample Type: (i.e	Sample Type: (i.e. MW, IW, RW, WSW)			Screened I	nterval (ft.):	31	36	Total Well Depth (TWD) (ft.):	36	3.00		
Depth to Free	Depth to Free Product (DFP) (ft.):			Depth to Ground	water (DGW) (ft.):			Free Product Thickness (ft.):	Not D			
Length of water column (LWC = TWD – DGW) (ft.):			6	1 casing volume (C	V = LWC x C) (gals.):	5.	87	5 casing volumes (5 x CV) (gals.):	29).34		
					Purging Data		Page de la la la la la la la la la la la la la		, , , , , , , , , , , , , , , , , , , ,			
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Samp	ling	
	Volume Purged (gallons)		0.00	5.87	11.74	17.60	23.47	29.34				
	Time (military)											
	PH (s.u.)											
Sp	ecific Conductivity (µS/ci	n)										
	Water Temperature (°C)											
	Dissolved Oxygen (mg/L)											
	Turbidity (NTU)											
					Sampling Data		4-1-4					
Sampled By:	Sampled By: PW; JP; CH; JF			Sampling Time: Duplicate: Y or N N If yes, Duplicate N/A Total Gallons Purged:								
cles:			Not Sampled. Under Stack of Plywood									

		,									
Date:	6/1/2016	Site ID #:	03	538	Site Name:	Coastal 76	Truck Stop	Field Personnel:	PW; JP	JP; CH; JF	
County:	Florence	Project Manager:	Maia M	lilenkova	General Weather Conditions:	Su	nny	Ambient Air Temp (*F):	1	39	
					Quality Assurance						
Me	ter Name	Ser	ial #:				Calibration:				
YSI Pro1030 (pH, Spi	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Y	pH 10.0; Y or N	Υ	S.C.: Yor	Υ
YSI Pro 20 (0	Dissolved Oxygen)	12G1	02878	Y or N	Y						
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Y or N	Y	10.0 NTU: Yor N	Y		
					Well Information						
ν	Vell ID:	TV	N-2	Conversion Factor (neter (ft.): C): 1" well = 0.047, 2" "" well = 0.652	0.1	63	Method of Purging/Sample Collection	Ва	iller	
Sample Type: (i,	Sample Type: (i.e. MW, IW, RW, WSW)			Screened I	interval (ft.):	31	-36	Total Well Depth (TWD) (ft.):	36	.00	
Depth to Free	Depth to Free Product (DFP) (ft.):			Depth to Ground	water (DGW) (ft.):	3.	35	Free Product Thickness (ft.):	Not Detected		
Length of (LWC = TV	Length of water column (LWC = TWD - DGW) (ft.):			1 casing volume (C	V = LWC x C) (gals.):	5.	32	5 casing volumes (5 x CV) (gals.):	26	i.61	
					Purging Data						
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Samp	ling
viir ·	Volume Purged (gallons)		0.00	5.32	10.64	15.97	21.29	26.61			
VP	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			
Sp	ecific Conductivity (μ\$/c	m)	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; C	H; JF	Sampling Time:	11:30	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	27.0	00
Notes:					No Odor; 27.00 gallons	purged					



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.

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



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A	Section B							:	Sectio	on C									Page	0:	1		5
Required Client Information:	Required P		Inform	nation:					Invoice	Informa	tion:						_				1000	702	
Company: SLOHEL-UST	Report To:		J	Boyo	111				Attentio								L				T A A (3792	
Address: 2600 Bull Strut	Copy To:								Compa	any Name	e:						RE	GULATORY	AGENCY				
Columbia Sc, 29204				-					Addres	99;							Γ,	NPDES [GROU	ND WAT	ER [DRINKING	WATER
Email To:	Purchase 0	order N	lo.:	46004	2 /	N/Z			Pace O Referen	uote	+	. C	a ()	مدا			74	UST F	- RCRA		-	OTHER _	
Email To: Proynats (2) W. Sc. 90 V Phone: 503-645-0629	Project Nan	ney			7.2	lck .	<		Pace P	roject							SI	te Location	SL		-1		
803-545-0606 803-595-0623 Requested Due Date/TAT:	Project Nur	nber:	203	\$538	IPACE	Z 711	900	٢	Manage Pace P								il.	STATE:			1101	ence	
	u	ST	<u> </u>	250	CA	324	20							200.0	Red	ueste	d Ana	alysis Filtere	d (Y/N)		March Track	-	
	. 1							ТП						ज़ा	T	TT	T						
Section D Matrix Co Required Client Information MATRIX /		valid codes to left)	(MP		COLLE	CTED		J I		F	reserv	atives		N/A		$\downarrow \downarrow$	_	\sqcup		20	TH. 1 E	¥ ·	
Drinking Water Water	r DW WT	desb	C=COMP)					ş		Ш					0	6							
Waste Water Product	ww P	ald or	AB C	COMPOSIT START	TE	COMPOS END/GR		COLLECTION							3 4	200				Ιŝ			
Soil/Solid	SL OL	y 008)	(G=GRAB					팅	SS					=	80	Ates 82				Residual Chlorine (Y/N)			
SAMPLE ID Wipe	WP AR							AT	CONTAINERS	_				Test	2 3	3	80			lori			
Sample IDs MUST BE UNIQUE Tissue	TS OT	CODE	TYPE					Ē	NTA	S S		_	_	Sis			00d			5			
Other	01		틸					끨	8,	Sel 7	<u>_</u>	= 0	삙	aly	X X	1 8	2			idus			
# #		MATRIX	SAMPLE	2475	TIME	DATE	TIME	SAMPL	# OF	Unpreserved H ₂ SO ₄	된모	NaOH Na ₂ S ₂ O ₃	활동	Analysis	20	160x	77			Res.	Pace	Project No	./ Lab I.D.
		5	-	DATE		6/16	11:54	_	6		1	-		П	V/S	\X	X				Odor		
1 IGWA A	-	Š	6			97710	11:50	_	7	Н	10	+	\vdash	0.00	1	1	1				Odor		
2 1 GWA K		+	Н				13:00	_	Н			+	\vdash		11	Ш	††				Olas	shee	^
3/0 0		₩	V	_		•	13:10	_	1	\Box	1			13-8	J.	1	1				Wo o	det	
5 M/W 2		wT	G			6/1/16	2:50	_	6	\Box	6				X	(X	X				Odor		
5 W W 3						111		-	_			_	+	1			_			-	Not	somple	d
7MW 6	-	JT	6			6/1/16	10:0	4	6		6			50	X)	(X	X				BUILDA	Moorlo	5
AAN / T		JT	6			1	12:4		6		6			E	X	ΚX	X				No	7 -	
9 MV 8		WT	Ğ			6/1/16	12:00	a	6		6				X	(X)	X				No oc		
10MW IOR		_				7, 7.0		-							Ť	-	_	-		_	Not	SOMP	led
IIMW II		W	6			6/1/16	10:0	7	6		6			Sec.	X	ХX	X			\perp	Wor	dor 1	
12 MW 14							11:15		6		6				$\chi \rangle$	ΧX	ΧL			\perp	No a	dor	
ADDITIONAL COMMENTS		REI	LINQU	ISHED BY / A	AFFILIATION	ON /	DA	TE	1	TIME		AC	CEPT	ED BY	AFF	LIATIO	N	DATE	TIME		SAME	LE CONDITION	ONS
	0	1	7	Wyle	NECT	r	6/1/	16	15	:30													
2	167	191		7	المساما الما		77	. 🐷	1														
-	,						-		+-									-		+-	+		
	1 (_		-									-	-		
																				_			
	_				SAMPLE	R NAME A	ND SIG	NATUR	E											o.	5 g	y alo	Intact
	2			Ī		PRINT Nar	ne of SA	MPLER	Pe	ter:	2 r	14)	e							Temp in °C	Received on loe (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
				ŀ		SIGNATUI			_	14	0	m	//	1		TE Sign		11/16		ļ ě	8 S	Seal	Sam
"Important Note: By signing this form you are accept	pting Pace's I	NET 30	day pa	L syment terms ar	nd agreeing	to late charge	es of 1.5%	per mon	th for a	ny invoice	s not paid	with	Son's		(-III			11		F-ALI	L-Q-020rev	.07, 15-May	

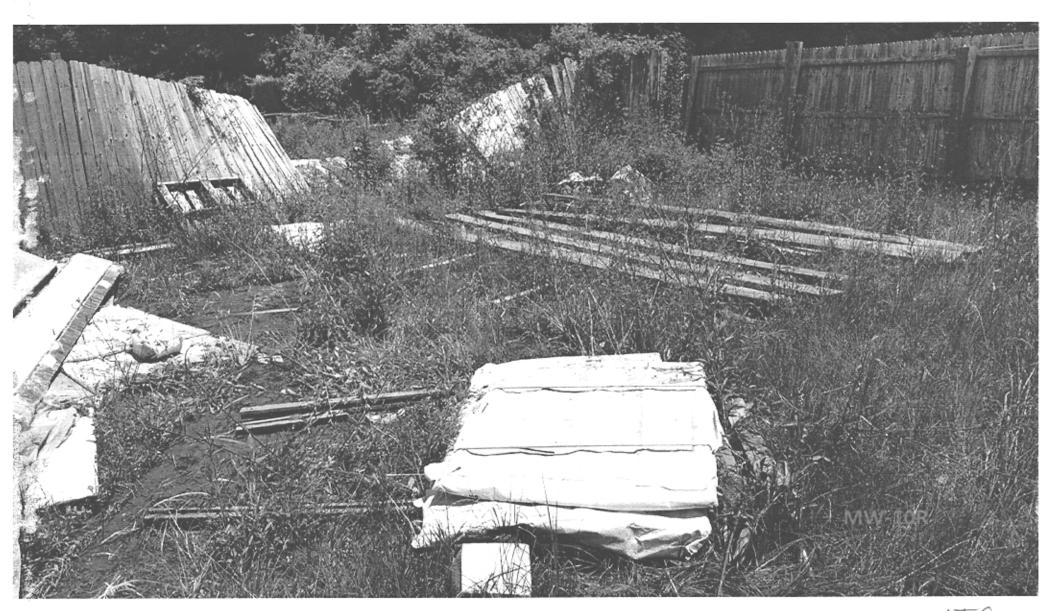


CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

		1	. October 6			Page:	3 (or 3
	ection B equired Project Information:		Section C Invoice Information:					$\overline{}$
Company'S/DHE/-UST Re	eport To: J. Brug	nt-UST	Attention:		1		199	8793
Address 2600 Bull Street Co	ору То:		Company Name:		REGULATORY	AGENCY		
Lalumbia, St 29201	*		Address:		NPDES T	GROUND	WATER F	DRINKING WATER
	urchase Order No.: 4 600	1422513	Pace Quote Reference:		UST [RCRA	Г	OTHER
803-878-0606803-878-0673 PT	roject Name: Loosto) 7	6 Truck Scop	Pace Project T. (erter		Site Location	.,	rı.	
Requested Due Date/TAT:	roject Number: 035 38	PACE 52480	Pace Profile #:		STATE:	SC	_ F lor	ence
	G 3, 0-5 32	1			Analysis Filtere	d (Y/N)		
Section D Required Client Information Matrix Cod MATRIX / CC Drinking Water Waster Waste Water Product Soll/Solid Oil Wipe Air Sample IDs MUST BE UNIQUE **Tissue Other			# OF CONTAINERS # OF CONTAINERS Unpreserved #2SO ₄ HNO ₃ HCI NaOH NaOH NaS ₂ S ₂ O ₃ Methanol Other	Analysis Test			Residual Chlorine (Y/N)	Project No./ Lab I.D.
1 MW 26	JTG	61/16 11:19	6 6	XXXX			147	or
2 MW 27	JG	6/1/60:07	6 6	XXXX			No or	1
3 MW 28							+ Wot 4	sampled
4 TW 1						+++	1 177	sompled
5 TW 2	WT G	6//16/11:30	16 6	XXXX	+++		Wo o	dor'
6 Dup 1		1 11:54	- 			+++	Oder	
7 Pup. 2		13:20	16 1 8	11117	/ 	+++	Field	blank
8 Field blenk	1111	322	2 2	XXX	`	+++		blonk
10 Mb S	WTG	6/1/16/12:30	6 6	XXXX		+++	Sinh	t odor
10 M W S	W. C	7770		Re T	++++		1	
12		1						
ADDITIONAL COMMENTS	RELINQUISHED BY	AFFILIATION DATE	TIME ACCEPTE	BY / AFFILIATION	DATE	TIME	SAMP	LE CONDITIONS
	Peter J. Wille	MECT 61/10	5 15:30					
	1	11						
							,	
		SAMPLER NAME AND SIGNA	TURE				0 5	act ler
	2	PRINT Name of SAMP					p in "C (Y/N)	stody (N)
Arr.		SIGNATURE of SAMP		, DATE Signed (MM/DD/YY):	6/11		Temp in "C Received on Ice (Y/N)	Custody Sealed Cooler (Y/N) Samples Intact (Y/N)
"Important Note: By signing this form you are accepting	g Pace's NET 30 day payment terms a	user P	wany will	(MM/DD/YY):	4116			07, 15-May-2007



Under Large Stacks of Plywood

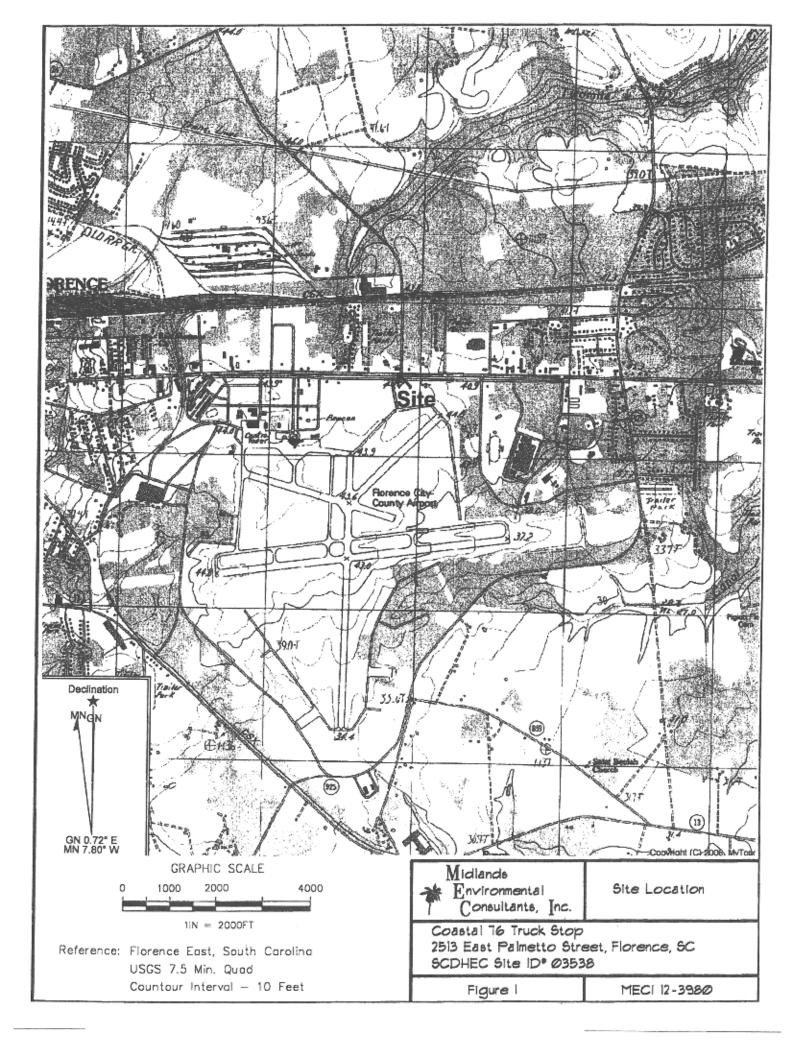


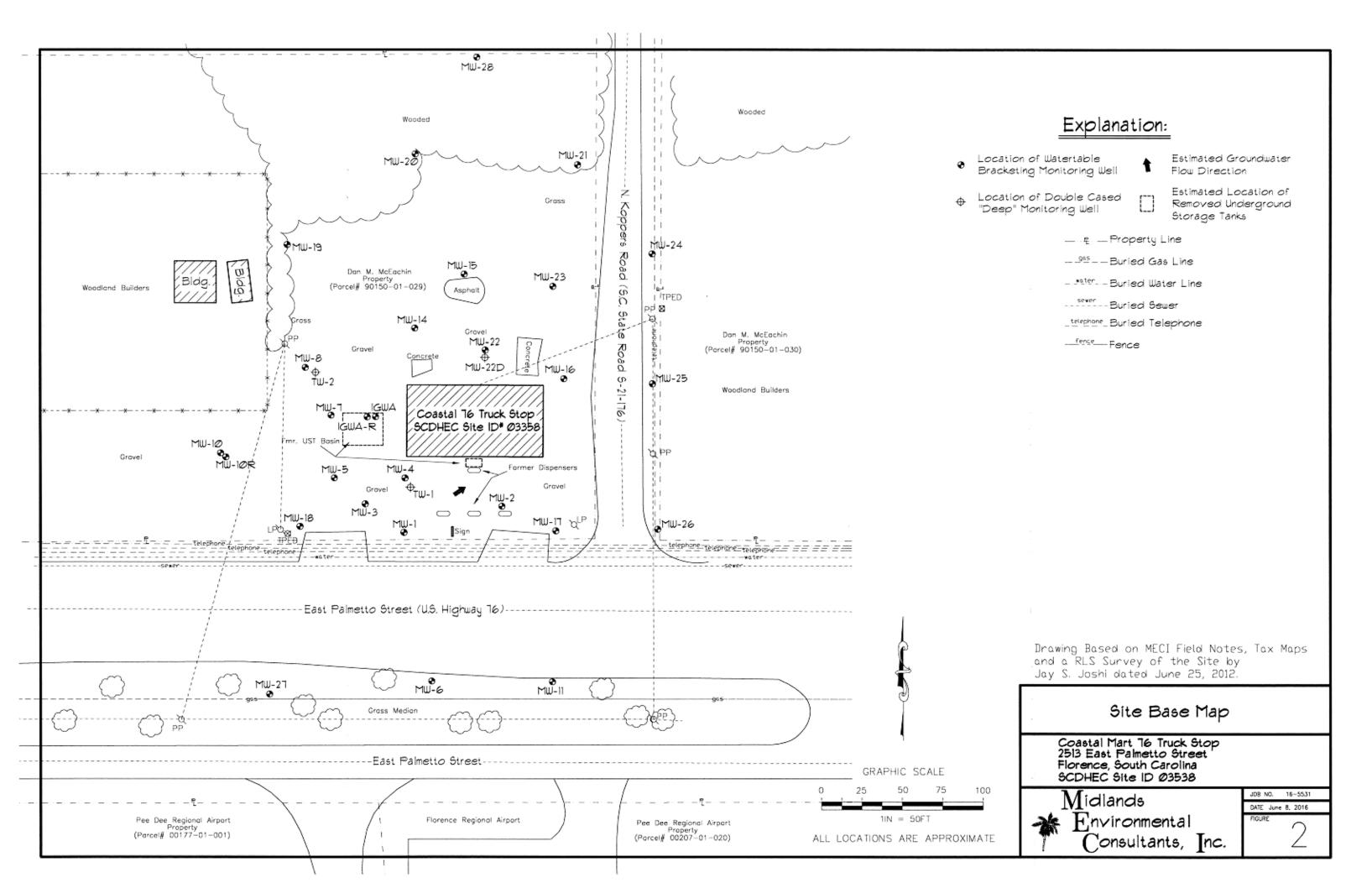
MW-10R - Under pallet of Sheet Metaf

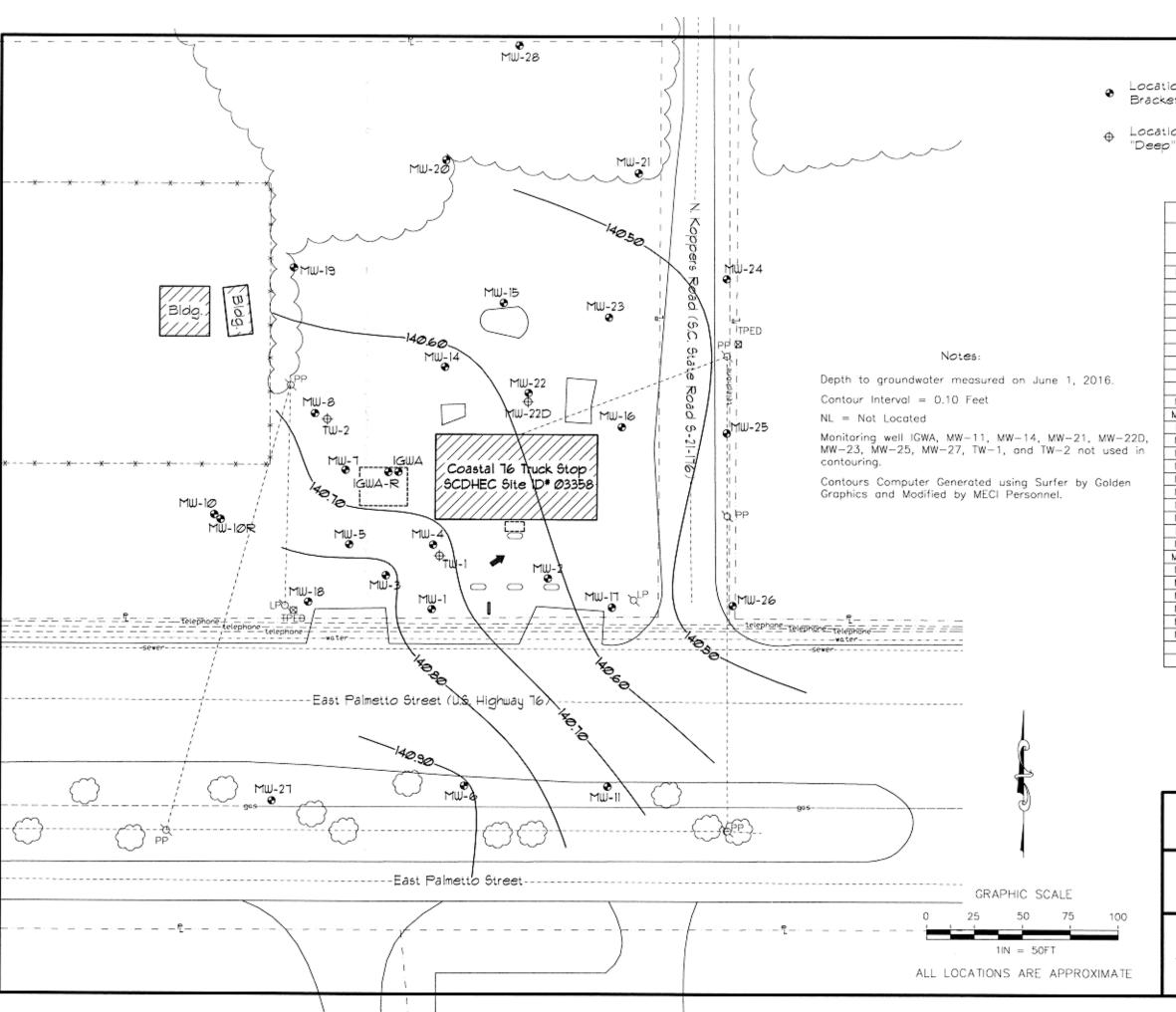


Under stack of wood









Explanation:

Location of Watertable
Bracketing Monitoring Well

1

Estimated Groundwater Flow Direction

Location of Double Cased "Deep" Monitoring Well Re

Estimated Location of Removed Underground Storage Tanks

Groundwater Elevation Contour (feet)

	Po	ntentiometr	ic Data	
Weii •	Screened Interval (ft)	Depth to Water (ft)	Well Head Elevation	Groundwater Elevation
∃GWA	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

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 Ø3538

Midlands
Environmental
Consultants, Inc.

JOB NO. 16-5531 DATE June 8, 2016 FIGURE UST Permit Number: 03538 UST Facility: COASTAL 76 TRUCK STOP 1284gg GW Departs **3** 70c 80e Ę ź å 03538-IGWA 6/26/2012 Not Sampled N/S N/A TD: 16.74 145.19 11000 <40 310.0 2.0 <15 <100 <20 <40 <3300 <100 <670 790J 65 133.21 1300 6000 630 11.98 12/3/2014 d-Gauge Well Only 12/13/2014 12.15 133.04 ND Not Sample 6630 646.0 8,210 <200 197J 0.28 <400 <4,000 <400 <200 <8,000 <2,000 <4,000 <4,000 NT <200 03538-IGWA'R 6/26/2012 14.10 131.04 ND 130 790 180 980 <25 160 0.71 <25 12/3/2014 11.00-21.00 145.14 <15 <20 <100 <20 <40 <3300 <100 <670 730J 51 11.93 133.21 2000 12/13/2014 12.10 133.04 ND Sauge V <2,500 NT <125 <5,000 <1,250 <2,500 405 3450 1590 5790 <125 426 0.39 125 <250 <2500 <250 ND 03538-MW01 Not Sampled-Free-Phase Petroleum Product Present 6/26/2012 14.71 131.16 0.02 TD:17.80 145.87 250J <100 <500 <100 <200 <17000 <500 <3400 8800J 630 12/3/2014 12.54 133.33 ND 17000 27000 1500 15000 820 Not Sampled-Gauge Well Only 12/13/2014 12.75 133.12 ND <20,000 NT 14100 18100 1240 18100 <1000 1130 10.2 <1,000 <2,000 <20,000 <2,000 <1,000 <40,000 <10,000 <20,000 03538-MW02 6/26/2012 14.04 131.15 ND 9800 17000 1300 11000 1100 370 240J TD:18.30* 145.19 132.85 <15 <20 <100 <40 <3300 <100 <670 4200 150 12.34 ND 12/3/2014 4800 8200 -Gauge Well Only 12/13/2014 12.36 132.83 ND <2,500 2680 NT 6/1/2016 4,57 ND 2870 3760 364 2500 281 139 10.9 <125 <250 <2,500 <250 <125 <5,000 <1,250 03538-MW03 6/26/2012 12/3/2014 14.19 131.85 0.01 Not Sampled-Free-Phase Pet 11000 <40 780 3.5 <20 <100 <20 <40 <3300 <100 <670 2200 100 12.67 132.84 <15 ND TD:18.20 145.51 100 <15 <20 <100 1900J <40 12/3/2014 DUP DUP DUP ND 2000 11000 1700 1000 750 3.2 12,39 133.12 ND Not Sa 12/13/2014 <1,000 <20,000 <5,000 <10,000 <10,000 NT <10,000 <1,000 <500 2020 13000 <500 1620 11200 6/1/2016 4.68 140.83 ND 03538-MW0-17000 <500 1100 14 <500 NT NT NT. NT NT NT NT NT 440 2100 6/26/2012 <80 <6800 <200 <1300 2800J 110 <80 710 2.2 <29 10000 12/3/2014 12.26 133.30 ND 3600 9100 810 TD:18.35 145.56 130 DUP DUP ND 4000 9600 820 9500 <40 640 2.0 <15 <20 <100 <20 <40 <3300 <100 <670 2800 ND 12.43 133.13 12/13/2014 6/1/2016 NL NL Not Located-Underneath Stack of Plyw 03538-MW05 NT NT 31 <200 NT 10000 <200 770 6/26/2012 13.90 131.21 ND 810 7400 1500 0.86 12/2/2014 8.29-18.29 145.11 Not Located - Underneath Rolloff Contains Underneath Rolloff Contain Not Located 12/13/2014 NL <50.0 <100 <100 NT <5.0 <200 <10.0 ND 20.4 88.8 93 147 <5.0 47.2 < 0.019 <5.0 <10.0 <100 6/1/2016 140.76 03538-MW06 NT NT NT NT NT 9.7J <5.0 <5.0 <5.0 6/26/2012 14.65 131.39 ND <5.0 <5.0 <6.7 12/3/2014 8.29-18.29 146.04 <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 2.3J < 0.13 12/13/2014 12.91 133,13 ND NT <200 <50.0 <100 <10.0 <5.0 140.91 ND <5.0 <5.0 < 5.0 <5.0 <5.0 <5.0 < 0.020 <5.0 <10.0 <100 6/1/2016 03538-MW07 NT NT 25 1700 6/26/2012 13.45 131.16 ND 3000 <340 <340 8.1J 12/3/2014 8.38-18.38 144,61 210 740 1300 3700 <20 270 < 0.020 <7.4 <10 <50 <10 <20 <1700 <50 11.47 12/13/2014 133,14 ND NT <200 <50.0 <100 <100 <10.0 <5.0 <10.0 6/1/2016 140,64 ND <5.0 < 5.0 < 5.0 <5.0 <5.0 <2.1J < 0.020 <5.0 <100 03538-MW08 NT NT NT NT NT 20 6/26/2012 12.62 131.16 ND <5.0 <5.0 8.29-18.29 143.78 <0.33 < 0.40 < 0.020 < 0.15 < 0.20 <1.0 < 0.20 <0.40 <33 <1.0 < 0.33 < 0.33 12/3/2014 12/13/2014 10.61 133.17 ND <100 <10.0 <5.0 <200 <50.0 <100 NT <5.0 < 0.020 <10.0 140.70 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <100 6/1/2016 ND 03538-MW09 6/28/2012 8.33-18.33 N/A Not Located 12/2/2016 12/13/2014 NL NL NL. Not Located 6/1/2016 03538-MW10 NT NT NT NT 11 < 0.019 <5.0 6/26/2012 12.41 131.43 ND <5.0 <5.0 <5.0 <5.0 <5.0 TD:18.25 143.84 Not Located 12/2/2016 Not Locate 12/13/2014 NL NL NL Not Located 6/1/2016 03538-MW10R < 0.020 < 0.20 < 0.20 < 0.40 <33 <1.0 <6.7 <6.7 28 < 0.33 <0.40 <0.40 < 0.33 12/3/2014 10.50 133.31 ND < 0.13 < 0.33 1.61-11.61 143.81 Not Sampled-Gauge Well Only 10.62 133.19 12/13/2014 cated - Underneath Pile of Sheet Met 6/1/2016 NL NL NL NT NT NT <5.0 <5.0 <5.0 <5.0 < 0.020 <5.0 NT NT NT 131.29 6/26/2012 < 0.20 <0.40 <33 <1.0 <6.7 8.9J < 0.15 < 0.20 <0.40 < 0.020 12/3/2014 8.42-18.42 145.68 12.64 133.04 ND < 0.13 < 0.33 < 0.33 < 0.33 <0.40 ell Only Not Sampled-Gauge 12/13/2014 <100 NT <100 < 0.020 <5.0 <10.0 <100 <10.0 <5.0 <200 <50.0 < 5.0 <5.0 < 5.0 6/1/2016 5.36 140.32 ND 3.0J NT NT NT <5.0 < 0.019 <5.0 NT NT 13 13.42 130.94 6/26/2012 8.29-18.29 144.36 12/3/2014 NL <33 <1.0 <6.7 <1.9 < 0.15 < 0.20 132.97 2.8 2.0 4.9 <1.0 1.3 < 0.019 12/12/2014 <10.0 <100 <10.0 < 5.0 <200 <50.0 <100 <100 NT <5.0 < 0.019 <5.0 <5.0 6/1/2016 3.43 140.93 ND <5.0 <5.0 8.6J 140 380 <25 39 0.05 <5.0 NT NT NT 130.76 12.78 6/26/2012 <0.20 <0.20 <1.0 < 0.40 <33 <1.0 <6.7 <6.7 <1.9 < 0.40 < 0.020 < 0.15 10.00-20.00 143.54 < 0.40 12/3/2014 10.46 133.08 ND < 0.13 < 0.33 < 0.33 < 0.33 d-Gauge Well Only 10.62 12/13/2014 <100 NT <100 < 0.020 <5.0 <10.0 <100 <10.0 <5.0 <200 <50.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 6/1/2016 3,00 140.54 ND 03538-MW16 380 39 0.59 <25 **₹26/2012** 13,43 130.80 <0.20 <1.0 < 0.20 < 0.40 <33 <1.0 <6.7 <6.7 <1.9 0.031 <0.15 < 0.40 12/3/2014 11.00-21.00 144.23 11.18 11.42 133.05 ND 1.3 0.62J < 0.33 0.68J 1.1 Not Sampled-Gauge Well Only 132.81 12/13/2014 Located-Underneath Stack of Wood 6/1/2016 NI, NL NL 03538-MW17 35 NT 5700 20J 980 2.8 <100 NT NT 1500 131.12 6/26/2012 13.96 <50 <20 <1700 <50 <340 <340 31 340 11.00-21.00 145.08 11,92 133.16 ND 230 600 1000 5000 <20 -Gauge Well Only 12.10 Not Samp 12/13/2014 NT <4000 <4000 <2000 <200 4.7 <200 <400 <4000 <400 <200 <8000 1780 2680 5400 6/1/2016 4.54 140.54 ND 03538-MW18 <5.0 <5.0 < 0.020 <5.0 NT 131.35 6/26/2012 <0.20 <1.0 < 0.20 <0.40 <33 <1.0 12J <6.7 < 1.9 <0.019 12/3/2014 11.00-21.00 145.79 12.42 133.37 ND < 0.13 < 0.33 0.40J 80 <0.40 21 Not Sampled-Gauge Well Only 12.60 133.19 12/13/2014 <100 <100 <50.0 <0.019 <5.0 <10.0 <100 <10.0 <5.0 <200 <5.0 <5.0 < 5.0 <5.0 6/1/2016 4.93 140.86 ND <5.0 <5.0 03538-MW19 < 0.20 < 0.40 < 0.40 < 0.020 < 0.15 < 0.20 <1.0 < 0.33 133,88 < 0.13 < 0.33 12/3/2014 9.79 2.12-12.12 143,67 12/13/2014 10.66 133.01 ND <50.0 <100 <100 NT <10.0 <5.0 < 5.0 <5.0 <5.0 <5.0 < 0.020 <5.0 <10.0 <100 <5.0 <5.0 140.54 ND 6/1/2016 3.13 03538-MW20 <33 < 1.0 <6.7 <6.7 <1.9 <0.15 < 0.20 < 0.40 < 0.019 <0.13 < 0.33 < 0.33 < 0.33 < 0.40 < 0.40 12/3/2014 4.50-14.50 143,93 Not Sampled-Gauge Well Only 12/13/2014 11.17 132.76 ND Not Located-Underneath Pile of De 6/1/2016 03538-MW21 6.93 <33 <1.0 <6.7 < 0.33 <0.15 < 0.20 < 0.20 < 0.40 12/3/2014 12/13/2014 < 0.33 < 0.40 < 0.40 < 0.020 < 0.33 10.38 132.87 ND < 0.13 2.75-12.75 143.25 Not Sampled-Gauge Well Only <50.0 <100 <100 <5.0 <200 <10.0 < 5.0 < 0.020 <5.0 <10.0 <100 <5.0 <5.0 < 5.0 6/1/2016 2.63 140.62 ND <33 <1.0 <6.7 <6.7 2J<0.33 <0.33 < 0.33 < 0.33 < 0.40 < 0.40 < 0.020 < 0.15 <0.20 <1.0 9.92 135.11 ND 12/3/2014 NT 5.09-15.09 145.03 <1.0 <6.7 <6.7 < 0.33 <0.40 <0.40 < 0.020 < 0.15 <0.20 <1.0 < 0.20 < 0.40 <33 < 0.33 12/12/2014 12.16 132,87 ND < 0.13 <100 <10.0 <5.0 <200 <50.0 <100 <100 NT <10.0 <5.0 <5.0 < 5.0 <5.0 <5.0 <5.0 < 0.020 <5.0 4.31 6/1/2016 0 /38-MW22D 3.4J<6.7 < 0.40 < 0.020 <0.15 < 0.20 <1.0 < 0.20 < 0.40 <33 <1.0 <6.7 < 0.40 < 0.33 < 0.33 12/3/2014 13.83 131.06 ND < 0.13 < 0.33 39.23-44.23 144.89 ell Only Not Sampled-Gauge 13,82 12/13/2014 <100 <100 NT <50.0 <5.0 <5.0 < 0.020 <5.0 <10.0 <100 <10.0 <5.0 <200 6/1/2016 03538-MW23 <5.0 <5.0 < 5.0 <5.0 6.32 138.57 ND 43 <33 < 0.20 < 0.40 < 0.40 < 0.40 < 0.020 < 0.15 < 0.20 <1.0 11.90 131.73 12/3/2014 5.57-15.57 143.63 NT <6.7 <6.7 <0.15 < 0.20 <1.0 < 0.20 < 0.40 <33 <1.0 <0.40 <0.020 <0.40 12/12/2014 10.77 132.86 ND < 0.13 < 0.33 < 0.33 < 0.33 <100 <100 NT <5.0 <50.0 <10.0 140.41 <5.0 < 5.0 <5.0 <5.0 < 5.0 <5.0 <0.020 <5.0 <10.0 <100 ND 3.22 6/1/2016 03538-MW24 <0.40 <33 <1.0 <6.7 <6.7 2J< 0.20 < 0.20 < 0.15 < 0.020 12/3/2014 132.97 ND < 0.13 < 0.33 < 0.33 < 0.33 < 0.40 < 0.40 2.99-12.99 143.78 ed-Gauge Well Only 11.03 132.75 ND 12/13/2014 NT <100 <10.0 <10.0 <5.0 <200 <50.0 <100 <5.0 < 0.020 <5.0 < 5.0 6/1/2016 3.30 140.48 ND <5.0 <5.0 <5.0 03538-MW25 3.1J <33 <1.0 < 0.40 < 0.020 < 0.15 < 0.20 < 0.20 <0.40 < 0.33 <0.33 <0.40 <0.13 ND 12/3/2014 10.66 133.38 3.16-13.16 144.04 12/13/2014 11.08 132.96 ND <50.0 <100 <100 NT <5.0 <200 <10.0 <5.0 <5.0 <5.0 < 0.020 <5.0 <10.0 <100 <5.0 <5.0 140.64 3,40 ND 6/1/2016 03538-MW26 3.3J < 0.40 <33 < 1.0 <6.7 <6.7 < 0.15 < 0.20 < 0.20 < 0.020 133.12 ND < 0.13 < 0.33 < 0.33 < 0.33 < 0.40 < 0.40 12/3/2014 11.84 4.86-14.86 144.96 d-Gauge Well Only 132.87 12.09 12/13/2014 NT <50.0 <100 <100 <10.0 <100 <10.0 <5.0 <200 <5.0 <5.0 < 0.020 <5.0 <5.0 6/1/2016 140.45 ND <5.0 <5.0 <5.0 4.51 03538-MW27 <6.7 <1.9 <1.0 < 0.20 < 0.40 <33 < 0.40 < 0.40 < 0.019 < 0.15 <0.20 < 0.33 12/3/2014 11.37 133.40 ND < 0.13 144.77 5.05-15.05 d-Gauge Well Only 12/13/2014 11.50 133.27 ND <100 <100 NT < 5.0 <50.0 <10.0 <5.0 < 5.0 <5.0 <5.0 < 0.020 <5.0 <10.0 <100 140.81 <5.0 <5.0 ND 6/1/2016 3.96 03538-MW28 < 0.40 <33 <6.7 <6.7 3.3J <0.20 <1.0 < 0.020 <0.15 < 0.33 < 0.33 < 0.33 < 0.40 < 0.40 < 0.13 12/3/2014 2.97-12.97 142.71 Not Sampled-Gauge Well Only ND 132.61 12/13/2014 10.1 NL NL 03538-TW01 3.4J NT <5.0 < 0.020 < 5.0 NT NT NT <5.0 <5.0 <5.0 6/26/2012 12/3/2014 ND <5.0 <5.0 14.65 131.12 31.00-36.00 145.77 NL 12.69 NL <33 <1.0 <6.7 <6.7 < 1.9 < 0.15 <1.0 <0.20 < 0.40 133.08 <0.33 < 0.33 < 0.40 <0.40 < 0.020 < 0.20 <0.13 < 0.33 12/12/2014 neath Stack of Plywood 6/1/2016 NL NL NL 03538-TW02 NT NT 11 <5.0 <5.0 < 0.020 <5.0 c5.0 ND 130.03 8/26/2012 13.95 <6.7 <1.9 < 0.20 < 0.40 <33 <1.0 <6.7 10.79 < 0.020 < 0.20 < 0.40 < 0.40 31,00-36.00 143.98 133.19 ND < 0.13 < 0.33 < 0.33 < 0.33 12/3/2014 693.67 Not Sampled-Gauge Well Only

<50.0

<200

<5.0

<10.0

< 0.020

<5.0

<5.0

< 5.0

140.63

ND

<5.0

<5.0

<5.0

<5.0

<10.0

<100

<100

<100

NT

12/13/2014

6/1/2016

Pace Analytical Services, Inc. 9800 Kincey Ave Suite 100 Huntersville, NC 28078 (704)875-9092



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

trey.carter@pacelabs.com

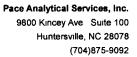
The Ct

Project Manager

Enclosures

cc: Ashleigh Thrash, SCHDEC







CERTIFICATIONS

Project:

03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 9229

92299850

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification # 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001 Florida/NELAP Certification #. E87627 Kentucky UST Certification #: 84 Virginia/VELAP Certification #. 460221



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



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		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



SAMPLE ANALYTE COUNT

Project.

03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	CCL	20	PASI-C
92299850020	MW25	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
92299850022	MW27	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
92299850024	DUP1	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
92299850026	FIELD BLANK	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
92299850028	TRIP BLANK	EPA 8260	CCL	20	PASI-C



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	Qualifier
2299850001	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	
2299850002	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	
2299850003	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	
2299850004	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	
2299850005	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		
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		06/04/16 20:39	



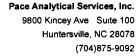
SUMMARY OF DETECTION

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
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	
2299850012	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	
2299850024	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	
2299850025	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	
2299850027	MW5					
EPA 8260	Benzene	20.4	ug/L	50	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	





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 cnteria 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.





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:





Project. 035

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 cnteria 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
 - LO 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.



Project

03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

Method:

Client:

Date:

EPA 8260 Description: 8260 MSV SCDHEC 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)

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





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.



Project: 03538/52480 COASTAL 76 TRUCK S

Pace Project No 92299850

Date: 06/09/2016 04 27 PM

Sample: IGWA A	Lab ID:	92299850001	Collected	: 06/01/16	11:54	Received: 06/	02/16 12:03 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	3011 Prepara	ation Metho	od: EPA	A 8011			
1,2-Dibromoethane (EDB) Surrogates	0.28	ug/L	0.020	0.020	1	06/03/16 12:08	06/03/16 18:45	106-93-4	
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 8	3260						
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	
ert-Butyl Alcohol	ND	ug/L	4000	2310	40		06/03/16 21:07	75-65-0	
ert-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	
(ylene (Total)	8210	ug/L	400	108	40		06/03/16 21 07	1330-20-7	
n&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		-							
1-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	



Project:

03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

Date: 06/09/2016 04:27 PM

Sample: IGWA R	Lab ID:	92299850002	Collected	06/01/16	11 50	Received 06/	02/16 12 [.] 03 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL .	DF	Prepared	Analyzed	CAS No	Qual
8011 GCS EDB and DBCP	Analytical	Method ⁻ EPA 8	3011 Prepara	ition Metho	od EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	0.39	ug/L	0.020	0.020	1	06/03/16 12 09	06/03/16 19:05	106-93-4	
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 8	3260						
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		
1,2-Dichloroethane-d4 (S)	97	%	70-130		25		06/03/16 21 23		
Toluene-d8 (S)	105	%	70-130		25		06/03/16 21.23	2037-26-5	



Project: 03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

Date: 06/09/2016 04:27 PM

Sample: MW1	Lab ID:	92299850003	Collected	06/01/16	3 13·00	Received: 06/	02/16 12 03 Ma	atrix. Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	3011 Prepara	ition Meth	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	10.2	ug/L	0.39	0.39	20	06/03/16 12:09	06/04/16 13:22	106-93-4	
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	Analytica	Method: EPA 8	3260						
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	
ert-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	ŀ
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	



Project

03538/52480 COASTAL 76 TRUCK S

Pace Project No. 92299850

Date: 06/09/2016 04.27 PM

Sample: MW2	Lab ID:	92299850004	Collected	06/01/16	13 10	Received: 06/	02/16 12:03 Ma	atrıx: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ition Metho	d EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	10.9	ug/L	0 41	0.41	20	06/03/16 12 09	06/04/16 13 42	106-93-4	
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 8	3260						
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	



Project

03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

Date: 06/09/2016 04:27 PM

Sample: MW3	Lab ID:	92299850005	Collected	: 06/01/16	12:56	Received: 06/	02/16 12:03 Ma	atrix Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ition Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	0.91	ug/L	0.020	0 020	1	06/03/16 12.09	06/03/16 20:03	106-93-4	
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 8	260						
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	



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 Ma	atrix Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No	Qua
8011 GCS EDB and DBCP	Analytical	Method EPA 8	3011 Prepara	ition Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	06/03/16 12:09	06/03/16 20:23	106-93-4	
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 8	3260						
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	34	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	
ert-Butyl Alcohol	ND	ug/L	100	57 7	1		06/03/16 19:43	75-65-0	
ert-Butyl Formate	ND	ug/L	50 0	7.3	1		06/03/16 19:43	762-75-4	
1,2-Dichloroethane	ND	ug/L	50	1.8	1		06/03/16 19:43	107-06-2	
Disopropyl 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	50	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	
Kylene (Total)	ND	ug/L	10.0	27	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		
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		06/03/16 19 43		
Toluene-d8 (S)	106	%	70-130		1		06/03/16 19:43	2037-26-5	



Project

03538/52480 COASTAL 76 TRUCK S

Pace Project No 92299850

Date. 06/09/2016 04.27 PM

Sample: MW7	Lab ID:	92299850007	Collected	i: 06/01/16	12:41	Received: 06/	02/16 12:03 Ma	atrix: Water	
	Report								
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepar	ation Metho	d: EPA	A 8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0 020	1	06/03/16 12 09	06/03/16 20:42	106-93-4	
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 8	260						
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	34	1		06/04/16 18 [.] 25	994-05-8	
Benzene	ND	ug/L	50	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	50	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	20	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	



Project:

03538/52480 COASTAL 76 TRUCK S

95

105

%

%

Pace Project No.:

92299850 Sample: MW8 Lab ID: 92299850008 Collected: 06/01/16 12 00 Received: 06/02/16 12:03 Matrix. Water Report Results **Parameters** Units 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 06/06/16 13:30 06/06/16 21:09 106-93-4 Surrogates 77 % 06/06/16 13:30 06/06/16 21:09 301-79-56 1-Chloro-2-bromopropane (S) 60-140 1 Analytical Method: EPA 8260 8260 MSV tert-Amyl Alcohol ND ug/L 100 76.8 06/03/16 19:59 75-85-4 1 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 71-43-2 100 3.3-Dimethyl-1-Butanol ND ug/L 32.1 06/03/16 19:59 624-95-3 1 tert-Butyl Alcohol ND ug/L 100 57.7 06/03/16 19:59 75-65-0 М1 1 50.0 tert-Butyl Formate ND ug/L 7.3 06/03/16 19:59 762-75-4 М1 1 1,2-Dichloroethane ND ug/L 50 18 06/03/16 19:59 107-06-2 1 Diisopropyl ether ND ug/L 5.0 17 1 06/03/16 19:59 108-20-3 ND 200 131 Ethanol ug/L 1 06/03/16 19.59 64-17-5 L3,M0 Ethylbenzene ND 5.0 ug/L 1.6 1 06/03/16 19 59 100-41-4 Ethyl-tert-butyl ether ND ug/L 10.0 3.6 06/03/16 19:59 637-92-3 Methyl-tert-butyl ether ND ug/L 5.0 1.7 06/03/16 19 59 1634-04-4 Naphthalene ND ug/L 5.0 2.0 06/03/16 19 59 91-20-3 Toluene ND ug/L 5.0 16 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

70-130

70-130

1

1

1,2-Dichloroethane-d4 (S)

Toluene-d8 (S)

06/03/16 19 59 17060-07-0

06/03/16 19.59 2037-26-5



Project 03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

Date. 06/09/2016 04:27 PM

Sample: MW11	Lab ID:	92299850009	Collected	06/01/16	10 07	Received: 06/	02/16 12:03 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL .	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ition Metho	od EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0 020	0.020	1	06/06/16 13:30	06/06/16 21.29	106-93-4	
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 8	3260						
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	
ert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/03/16 20:16	75-65-0	
ert-Butyl Formate	ND	ug/L	50.0	73	1		06/03/16 20:16	762-75-4	
1,2-Dichloroethane	ND	ug/L	50	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	16	1		06/03/16 20:16	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	36	1		06/03/16 20:16	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	50	1.7	1		06/03/16 20:16	1634-04-4	
Naphthalene	ND	ug/L	50	20	1		06/03/16 20:16	91-20-3	
Toluene	ND	ug/L	50	1.6	1		06/03/16 20·16	108-88-3	
Kylene (Total)	ND	ug/L	10 0	2.7	1		06/03/16 20:16	1330-20-7	
m&p-Xylene	ND	u g /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		
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	



Project:

03538/52480 COASTAL 76 TRUCK S

Pace Project No 92299850

Date 06/09/2016 04:27 PM

Sample: MW14	Lab ID:	92299850010	Collected	: 06/01/16	3 11:15	Received: 06/	02/16 12.03 Ma	atrix: Water	
Parameters	Results -	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method EPA 8	3011 Prepara	ation Meth	od: EPA	A 8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.019	0.019	1	06/03/16 12:11	06/03/16 23.18	106-93-4	
1-Chloro-2-bromopropane (S)	77	%	60-140		1	06/03/16 12 11	06/03/16 23 18	301-79-56	
B260 MSV	Analytical	Method: EPA 8	3260						
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/04/16 02.42	75-85-4	
ert-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	
ert-Butyl Alcohol	ND	ug/L	100	57 7	1		06/04/16 02:42	75-65-0	
ert-Butyl Formate	ND	ug/L	50 0	7.3	1		06/04/16 02:42	762-75-4	
1,2-Dichloroethane	ND	ug/L	50	1.8	1		06/04/16 02 42	107-06-2	
Diisopropyl ether	ND	ug/L	50	17	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	16	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	50	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	16	1		06/04/16 02:42	95-47-6	
Surrogates		-							
4-Bromofluorobenzene (S)	104	%	70-130		1		06/04/16 02:42		
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	



Project: 03538/52480 COASTAL 76 TRUCK S

Pace Project No . 92299850

Date: 06/09/2016 04:27 PM

Sample: MW15	Lab ID:	92299850011	Collected	: 06/01/16	10:32	Received 06/	02/16 12 [.] 03 Ma	atrıx: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No	Qua
8011 GCS EDB and DBCP	Analytica	Method. EPA 8	3011 Prepara	ition Metho	d: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0 020	0.020	1	06/03/16 12 11	06/03/16 23:37	106-93-4	
1-Chloro-2-bromopropane (S)	104	%	60-140		1	06/03/16 12 11	06/03/16 23:37	301-79-56	
8260 MSV	Analytica	Method: EPA 8	3260						
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	50	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	
ert-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	73	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	50	1.7	1		06/04/16 02:59	1634-04-4	
Naphthalene	ND	ug/L	50	2.0	1		06/04/16 02:59	91-20-3	
Toluene	ND	ug/L	50	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	16	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	



Project:

03538/52480 COASTAL 76 TRUCK S

Pace Project No: 92299850

Sample: MW17	Lab ID:	92299850012	Collected	d: 06/01/16	3 11·40	Received: 06/	02/16 12:03 Ma	atrix. Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytica	Method: EPA 8	011 Prepar	ation Meth	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	4.7	ug/L	0 20	0.20	10	06/07/16 14 10	06/09/16 07:03	106-93-4	
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 8	260						
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	
Disopropyl 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		J							
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	



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 Ma	atrix. Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method EPA 8	011 Prepara	ation Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.019	0.019	1	06/03/16 12:12	06/04/16 00:34	106-93-4	
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 8	3260						
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	34	1		06/04/16 18:42	994-05-8	
Benzene	ND	ug/L	50	17	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	50	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	50	16	1		06/04/16 18:42	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	36	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	16	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	

Page 25 of 63

Date⁻ 06/09/2016 04 27 PM



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 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method. EPA 8	011 Prepara	ition Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0 020	1	06/03/16 12 12	06/04/16 00 54	106-93-4	
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 8	260						
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/04/16 03:16	75-85-4	
ert-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	
ert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/04/16 03 16	75-65-0	
ert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/04/16 03 16	762-75-4	
1,2-Dichloroethane	ND	ug/L	50	18	1		06/04/16 03·16	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	17	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	50	17	1		06/04/16 03:16	1634-04-4	
Naphthalene	ND	ug/L	50	20	1		06/04/16 03.16	91-20-3	
Toluene	ND	ug/L	50	16	1		06/04/16 03:16	108-88-3	
Kylene (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		
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		06/04/16 03:16		
Toluene-d8 (S)	108	%	70-130		1		06/04/16 03.16	2037-26-5	



Project 03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

Date: 06/09/2016 04:27 PM

Sample: MW21	Lab ID:	92299850015	Collected	: 06/01/16	10:33	Received: 06/	02/16 12:03 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method EPA 8	011 Prepara	ation Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0 020	0.020	1	06/03/16 12:13	06/04/16 01:14	106-93-4	
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 8	3260						
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	36	1		06/04/16 03.33	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	17	1		06/04/16 03:33	1634-04-4	
Naphthalene	ND	ug/L	5.0	20	1		06/04/16 03:33	91-20-3	
Toluene	ND	ug/L	50	16	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	16	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	



Project: 03538/52480 COASTAL 76 TRUCK S

Pace Project No. 92299850

Date 06/09/2016 04:27 PM

Sample: MW22	Lab ID:	92299850016	Collected	: 06/01/16	10:47	Received 06/	02/16 12 [.] 03 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA	3011 Prepara	ation Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	06/03/16 12:13	06/04/16 01:33	106-93-4	
1-Chioro-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	3260						
ert-Amyl Alcohol	ND	ug/L	100	76 8	1		06/04/16 03:50	75-85-4	
ert-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	
ert-Butyl Alcohol	ND	ug/L	100	57 7	1		06/04/16 03:50	75-65-0	M1
ert-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	50	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	50	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	17	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	16	1		06/04/16 03 50	95-47-6	
Surrogates		-							
4-Bromofluorobenzene (S)	104	%	70-130		1		06/04/16 03:50		
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		06/04/16 03:50		
Toluene-d8 (S)	108	%	70-130		1		06/04/16 03 50	2037-26-5	



Project: 03538/52480 COASTAL 76 TRUCK S

Pace Project No.. 92299850

Date: 06/09/2016 04:27 PM

Sample: MW22D	Lab ID:	92299850017	Collected	06/01/16	3 11 22	Received 06/	02/16 12:03 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ition Metho	od EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0 020	1	06/03/16 12 ⁻ 13	06/04/16 01:52	106-93-4	
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 8	3260						
ert-Amyl Alcohol	ND	ug/L	100	76 8	1		06/04/16 04 06	75-85-4	
ert-Amylmethyl ether	ND	ug/L	10 0	3.4	1		06/04/16 04:06	994-05-8	
Benzene	ND	ug/L	5.0	17	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	
ert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/04/16 04:06	75-65-0	
ert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/04/16 04:06	762-75-4	
,2-Dichloroethane	ND	ug/L	50	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	36	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	50	2.0	1		06/04/16 04:06	91-20-3	
Toluene	ND	ug/L	5.0	16	1		06/04/16 04.06	108-88-3	
Kylene (Total)	ND	ug/L	10.0	2.7	1		06/04/16 04 [.] 06	1330-20-7	
n&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									
I-Bromofluorobenzene (S)	105	%	70-130		1		06/04/16 04:06		
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		06/04/16 04:06		
Toluene-d8 (S)	107	%	70-130		1		06/04/16 04:06	2037-26-5	



Project:

03538/52480 COASTAL 76 TRUCK S

Pace Project No

Date: 06/09/2016 04:27 PM

92299850

Sample: MW23	Lab ID:	92299850018	Collected:	06/01/16	10:44	Received 06/	02/16 12:03 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	tion Metho	od. EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0 020	0.020	1	06/03/16 12 13	06/04/16 02:11	106-93-4	
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 8	260						
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	17	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	
ert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/04/16 04:40	75-65-0	
ert-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	50	16	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	27	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		ŭ							
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	



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 Ma	atrix Water	
			Report						
Parameters	Results	Units	Limit	MDL .	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ation Metho	od. EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0 020	1	06/03/16 12 14	06/04/16 02:31	106-93-4	
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 8	3260						
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/04/16 04.57	75-85-4	
ert-Amylmethyl ether	ND	ug/L	10.0	3 4	1		06/04/16 04:57	994-05-8	
Benzene	ND	ug/L	50	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	
ert-Butyl Alcohol	ND	ug/L	100	57 7	1		06/04/16 04·57	75-65-0	
ert-Butyl Formate	ND	ug/L	50.0	73	1		06/04/16 04·57	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	18	1		06/04/16 04:57	107-06-2	
Diisopropyl ether	ND	ug/L	50	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	36	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	50	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	50	1.6	1		06/04/16 04:57	95-47-6	
S <i>urrogates</i>		-							
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		
Toluene-d8 (S)	106	%	70-130		1		06/04/16 04:57	2037-26-5	



Project:

03538/52480 COASTAL 76 TRUCK S

Pace Project No.

Date: 06/09/2016 04:27 PM

92299850

Sample: MW25	Lab iD:	92299850020	Collected	06/01/16	10:18	Received: 06/	02/16 12 [.] 03 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No	Qual
8011 GCS EDB and DBCP	Analytical	Method ⁻ EPA 8	011 Prepara	ition Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0 020	1	06/03/16 12:14	06/04/16 02:50	106-93-4	
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 8	3260						
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	50	1.8	1		06/04/16 11:42	107-06-2	
Diisopropyl ether	ND	ug/L	50	17	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	36	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	50	16	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	



Project: 03538/52480 COASTAL 76 TRUCK S

Pace Project No 92299850

Date: 06/09/2016 04:27 PM

Sample: MW26	Lab ID:	92299850021	Collected	06/01/16	11:19	Received: 06/	02/16 12.03 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method. EPA 8	011 Prepara	ition Metho	d: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0 020	0.020	1	06/03/16 12:14	06/04/16 03:09	106-93-4	
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 8	3260						
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	50	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	
ert-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	18	1		06/04/16 05:14	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	17	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	50	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	27	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	16	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		
Toluene-d8 (S)	108	%	70-130		1		06/04/16 05:14	2037-26-5	



Project⁻

03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

Date: 06/09/2016 04:27 PM

Sample: MW27	Lab ID:	92299850022	Collected	06/01/16	3 10:07	Received 06/	02/16 12:03 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ition Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.019	0.019	1	06/03/16 12.14	06/04/16 03:28	106-93-4	
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 8	3260						
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	50	17	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	17	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	50	17	1		06/04/16 05 [.] 31	1634-04-4	
Naphthalene	ND	ug/L	50	20	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	50	16	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	



Project: 03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

Date. 06/09/2016 04:27 PM

Sample: TW2	Lab ID:	92299850023	Collected	: 06/01/16	11.30	Received: 06/	02/16 12:03 Ma	atnx: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method EPA 8	011 Prepara	ation Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	06/03/16 12:15	06/04/16 03:48	106-93-4	
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 8	260						
ert-Amyl Alcohol	ND	ug/L	100	76.8	1		06/04/16 05.47	75-85-4	
ert-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	
ert-Butyl Alcohol	ND	ug/L	100	57 7	1		06/04/16 05 47	75-65-0	
ert-Butyl Formate	ND	ug/L	50.0	7.3	1		06/04/16 05 47	762-75-4	
,2-Dichloroethane	ND	ug/L	50	1.8	1		06/04/16 05:47	107-06-2	
Diisopropyl ether	ND	ug/L	50	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	50	1.6	1		06/04/16 05:47	108-88-3	
(ylene (Total)	ND	ug/L	10.0	2.7	1		06/04/16 05:47	1330-20-7	
n&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		-							
I-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	



Project:

03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

Date. 06/09/2016 04 27 PM

Sample: DUP1	Lab ID:	92299850024	Collected	: 06/01/16	11:54	Received. 06/	02/16 12:03 Ma	trix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ation Metho	od. EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	0.27	ug/L	0.020	0.020	1	06/07/16 14:10	06/08/16 03 38	106-93-4	
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 8	3260						
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	
ert-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	
Disopropyl 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		
1,2-Dichloroethane-d4 (S)	94	%	70-130		50		06/04/16 06 38		
Toluene-d8 (S)	105	%	70-130		50		06/04/16 06.38	2037-26-5	



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 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method EPA 8	011 Prepara	ition Metho	od: EPA	X 8011			
1,2-Dibromoethane (EDB) Surrogates	0.50	ug/L	0.020	0.020	1	06/07/16 14:10	06/08/16 03:57	106-93-4	
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 8	3260						
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	
Disopropyl 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	



Project: 03538/52480 COASTAL 76 TRUCK S

Pace Project No 92299850

Date: 06/09/2016 04:27 PM

Sample: FIELD BLANK	Lab ID:	92299850026	Collected:	06/01/16	13.20	Received 06/	02/16 12:03 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL _	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ition Metho	d: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	06/03/16 12:15	06/04/16 04:46	106-93-4	
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 8	260						
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	17	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	
ert-Butyl Alcohol	ND	ug/L	100	57.7	1		06/04/16 02:09	75-65-0	
ert-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	17	1		06/04/16 02 09	1634-04-4	
Naphthalene	ND	ug/L	50	20	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		
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		06/04/16 02 09		
Toluene-d8 (S)	106	%	70-130		1		06/04/16 02 09	2037-26-5	



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 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	tion Metho	d: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.019	0.019	1	06/03/16 12:16	06/04/16 05 ⁻ 44	106-93-4	
1-Chloro-2-bromopropane (S)	112	%	60-140		1	06/03/16 12:16	06/04/16 05.44	301-79-56	
8260 MSV	Analytica	Method: EPA 8	260						
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	73	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	50	17	1		06/04/16 17:01	1634-04-4	
Naphthalene	47.2	ug/L	50	20	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		
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	



Project.

03538/52480 COASTAL 76 TRUCK S

Pace Project No 92299850

Sample: TRIP BLANK	Lab ID:	92299850028	Collected	d: 06/01/1	3 13:22	Received: 06	S/02/16 12:03 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical	Method: EPA 8	260						
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	18	1		06/04/16 02 25	107-06-2	
Diisopropyl ether	ND	ug/L	50	17	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	16	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	i
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	



Project:

03538/52480 COASTAL 76 TRUCK S

Pace Project No.:

o.: 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

		Blank	Reporting			
Parameter	Units	Result	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	17	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	20	06/03/16 13 00	
o-Xylene	ug/L	ND	5 0	16	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					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% 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 F	3,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	
ert-Amyl Alcohol	ug/L	1000	985	99	70-130	
ert-Amylmethyl ether	ug/L	100	86.8	87	70-130	
ert-Butyl Alcohol	ug/L	500	495	99	70-130	
ert-Butyl Formate	ug/L	400	322	81	70-130	
Toluene	ug/L	50	44 6	89	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.



Project

03538/52480 COASTAL 76 TRUCK S

Pace Project No.:

Date: 06/09/2016 04.27 PM

92299850

LABORATORY CONTROL SAMPLE:	1747966						
December	Hada	Spike LC		LCS	% Rec	Ovelifiers	
Parameter	Units	Conc. Res		% 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		-			_	
		92299850008	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc	Result	% Rec	Limits	Qualifier
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	3 70-130	
Ethylbenzene	ug/L	ND	20	19 3	97	7 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	7 70-130	
Naphthalene	ug/L	ND	20	16.9	85	70-130	
o-Xylene	ug/L	ND	20	18.5	92		
tert-Amyl Alcohol	ug/L	ND	400	433	108		
tert-Amylmethyl ether	ug/L	ND	40	35 1	88		
tert-Butyl Alcohol	ug/L	ND	200	283	141		
tert-Butyl Formate	ug/L	ND	160	ND	(-	P5
Toluene	ug/L	ND	20	19.3	97		
1,2-Dichloroethane-d4 (S)	%				100		
4-Bromofluorobenzene (S)	%				101		
Toluene-d8 (S)	%				99	9 70-130	

SAMPLE DUPLICATE: 1747968						
		92299850009	Dup		Max	
Parameter	Units	Result	Result	RPD	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	

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.



Project:

03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

SAMPLE DUPLICATE 1747968						
		92299850009	Dup		Max	
Parameter	Units	Result	Result	RPD	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		



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:

92299850019, 92299850021, 92299850022, 92299850023, 92299850024, 92299850026, 92299850028

METHOD BLANK: 1748035

Date: 06/09/2016 04 27 PM

Matrix: Water

Associated Lab Samples:

92299850010, 92299850011, 92299850014, 92299850015, 92299850016, 92299850017, 92299850018,

92299850019, 92299850021, 92299850022, 92299850023, 92299850024, 92299850026, 92299850028

		Blank	Reporting			
Parameter	Units	Result	Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND ND	50	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	17	06/04/16 01:35	
Diisopropyl ether	ug/L	ND	5.0	17	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	16	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	17	06/04/16 01.35	
Naphthalene	ug/L	ND	5.0	20	06/04/16 01 35	
o-Xylene	ug/L	ND	5.0	16	06/04/16 01·35	
ert-Amyl Alcohol	ug/L	ND	100	76.8	06/04/16 01:35	
ert-Amylmethyl ether	ug/L	ND	10.0	3.4	06/04/16 01.35	
ert-Butyl Alcohol	ug/L	ND	100	57.7	06/04/16 01 [.] 35	
ert-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					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% 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	

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.



Project⁻

Naphthalene

tert-Amyl Alcohol

tert-Butyl Alcohol

tert-Butyl Formate

Toluene-d8 (S)

o-Xylene

Toluene

Methyl-tert-butyl ether

tert-Amylmethyl ether

1,2-Dichloroethane-d4 (S)

4-Bromofluorobenzene (S)

03538/52480 COASTAL 76 TRUCK S

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

%

%

%

Pace Project No

92299850

LABORATORY CONTROL SAMPLE:	1748036						
		Spike LC	S	LCS	% Rec		
Parameter	Units	Conc. Res	sult	% 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	92299850016	Spike	MS	MS % Floor	% Rec	Ouglifion
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifier
1,2-Dichloroethane	ug/L	ND	20	18.0	89		
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	

ND

ND

ND

ND

ND

ND

ND

ND

20

20

20

400

200

160

20

40

17.8

17.1

19.7

503

36 4

343

ND

20 1

89

86

99

126

91

171

101

99

103

99

0

70-130

70-130

70-130

70-130

70-130

70-130 70-130

70-130

70-130

70-130 M1

70-130 M1

SAMPLE DUPLICATE: 1748038						
		92299850017	Dup		Max	
Parameter	Units	Result	Result	RPD	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	ı

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.



Project.

03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

Date: 06/09/2016 04:27 PM

SAMPLE DUPLICATE 1748038						
		92299850017	Dup		Max	
Parameter	Units	Result	Result	RPD	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	
Kylene (Totał)	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		



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

noccolated Edb Campico.	32233030020					
		Blank	Reporting			
Parameter	Units	Result	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	
n&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	
-Xylene	ug/L	ND	5.0	16	06/04/16 01:52	
ert-Amyl Alcohol	ug/L	ND	100	76.8	06/04/16 01:52	
ert-Amylmethyl ether	ug/L	ND	10.0	3.4	06/04/16 01·52	
ert-Butyl Alcohol	ug/L	ND	100	57.7	06/04/16 01 52	
ert-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	
Kylene (Total)	ug/L	ND	10.0	2.7	06/04/16 01:52	
I,2-Dichloroethane-d4 (S)	%	98	70-130		06/04/16 01:52	
-Bromofluorobenzene (S)	%	103	70-130		06/04/16 01:52	
Toluene-d8 (S)	%	105	70-130		06/04/16 01:52	

ABORATORY CONTROL SAMPLE	1748042					
		Spike	LCS	LÇS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
uchloroethane	ug/L	50	41.2	82	70-130	
methyl-1-Butanol	ug/L	1000	961	96	70-130	
ne	ug/L	50	44.9	90	70-130	
propyl ether	ug/L	50	48.5	97	70-130	
ol	ug/L	2000	3500	175	70-130	F3,L0
ert-butyl ether	ug/L	100	101	101	70-130	
enzene	ug/L	50	43.6	87	70-130	
/lene	ug/L	100	84 8	85	70-130	
tert-butyl ether	ug/L	50	50 0	100	70-130	
alene	ug/L	50	418	84	70-130	
ne	ug/L	50	41.7	83	70-130	
nyl Alcohol	ug/L	1000	989	99	70-130	
mylmethyl ether	ug/L	100	91.2	91	70-130	
tyl Alcohol	ug/L	500	501	100	70-130	
tyl Formate	ug/L	400	342	85	70-130	
e	ug/L	50	43.5	87	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.



Project:

03538/52480 COASTAL 76 TRUCK S

Pace Project No

Date: 06/09/2016 04:27 PM

92299850

LABORATORY CONTROL SAMPLE: 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)	ug/L %	130	120	101	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE SAMPLE:	1748043						
		92299871014	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% 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 M	/ 10
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 I	/ 11
tert-Butyl Formate	ug/L	ND	160	ND	0	70-130 F	25
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	· · · · · · · · · · · · · · · · · · ·								
		92299871015	Dup		Max				
Parameter	Units	Result	Result	RPD	RPD	Qualifiers			
1,2-Dichloroethane	ug/L	ND 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)			
ert-Amyl Alcohol	ug/L	ND	ND		30)			
tert-Amylmethyl ether	ug/L	ND	ND		30)			

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.





Project:

03538/52480 COASTAL 76 TRUCK S

Pace Project No.. 92299850

Date: 06/09/2016 04 27 PM

SAMPLE DUPLICATE 1748044						
		92299871015	Dup		Max	
Parameter	Units	Result	Result	RPD	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		



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

Date: 06/09/2016 04:27 PM

92299850003, 92299850004, 92299850005, 92299850007, 92299850012, 92299850013, 92299850025,

92299850027

		Blank	Reporting			
Parameter	Units	Result	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	
Disopropyl 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	36	06/04/16 15:54	
Ethylbenzene	ug/L	ND	5 0	16	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	17	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	34	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					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% 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	10 4	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	

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.



Project⁻

03538/52480 COASTAL 76 TRUCK S

Pace Project No

Date: 06/09/2016 04:27 PM

92299850

BORATORY CONTROL SAMPL	E. 1748592	Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
t-Butyl Formate	ug/L	400	392	98	70-130	
luene	ug/L	50	52 4	105	70-130	
ne (Total)	ug/L	150	159	106	70-130	
Dichloroethane-d4 (S)	%			101	70-130	
omofluorobenzene (S)	%			97	70-130	
ne-d8 (S)	%			98	70-130	

MATRIX SPIKE SAMPLE:	1749209						
		92299871004	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc	Result	% 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 I	V 11
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								
		92299871002	Dup		Max			
Parameter	Units	Result	Result	RPD	RPD	Qualifiers		
1,2-Dichloroethane	ug/L	ND 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	199	17.9	11	30			
o-Xylene	ug/L	ND	ND		30			

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.



Project.

03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

Date: 06/09/2016 04.27 PM

SAMPLE DUPLICATE: 1748594	AMPLE DUPLICATE: 1748594							
		92299871002	Dup		Max			
Parameter	Units	Result	Result	RPD	RPD	Qualifiers		
tert-Amyl Alcohol	ug/L	ND	ND		30			
tert-Amylmethyl ether	ug/L	ND	ND		30	1		
tert-Butyl Alcohol	ug/L	ND	ND		30	1		
tert-Butyl Formate	ug/L	ND	ND		30	1		
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				



Project⁻

03538/52480 COASTAL 76 TRUCK S

Pace Project No.:

92299850

QC Batch:

(S)

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

DIAIIK	
Result	

Reporting

Parameter	Units	Result	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		17	747701						
		Spike	LCS	LCSD	LCS	LCSD	% Rec		Max	
Parameter	Units	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	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 SP	IKE DUPLIC	CATE 17477	02		1747703							
		2037354009	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	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	%						114	101	60-140			

SAMPLE DUPLICATE. 1747704						
		2037354010	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		2	0
1-Chloro-2-bromopropane (S)	%	111	117	7		



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:

Date: 06/09/2016 04:27 PM

92299850010, 92299850011, 92299850013, 92299850014, 92299850015, 92299850016, 92299850017, 92299850018, 92299850019, 92299850020, 92299850021, 92299850022, 92299850023, 92299850026,

92299850027

Blank Reporting MDL Parameter Units Result Limit Analyzed Qualifiers 1,2-Dibromoethane (EDB) 0.32 0 019 0 019 06/03/16 22:19 ug/L 1-Chloro-2-bromopropane (S) 103 60-140 06/03/16 22:19 %

1747707 LABORATORY CONTROL SAMPLE & LCSD: 1747706 Spike LCS LCSD LCS LCSD % Rec Max **RPD** Parameter Units Conc Result Result % Rec % Rec Limits 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 MS MSD 92299850026 MSD MSD Spike Spike MS MS % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual 1,2-Dibromoethane (EDB) ug/L ND .28 .28 0.34 0.34 120 120 60-140 20 1-Chloro-2-bromopropane % 113 115 60-140 (S)

SAMPLE DUPLICATE 1747708 92299850011 Dup Max RPD Parameter Units Result Result **RPD** Qualifiers 1,2-Dibromoethane (EDB) ND ND ug/L 20 1-Chloro-2-bromopropane (S) 104 102 %



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

METHOD BLANK: 1748739

Matrix Water

Associated Lab Samples

Associated Lab Samples:

92299850008, 92299850009

92299850008, 92299850009

Blank

Reporting Limit

MDL

Analyzed

Qualifiers

1.2-Dibromoethane (EDB) 1-Chloro-2-bromopropane (S)

Parameter

Parameter

Units ug/L %

Units

ug/L

%

92299219005

Result

ND

ND 102

Result

0.020 60-140 0.020 06/06/16 14.38

06/06/16 14 38

LABORATORY CONTROL SAMPLE & LCSD

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:

1748740 Spike

1748741 LCS LCSD Result Result

0 29

MSD

Conc.

.28

0 32

LCSD % Rec % Rec % Rec Limits

112

103

MS

18

112

102

RPD

10

Max **RPD** Qualifiers

20

1,2-Dibromoethane (EDB) 1-Chloro-2-bromopropane (S)

Parameter

Units

ug/L

%

1748743

Conc.

28

1748744

LCS

104

100

60-140

60-140

60-140

60-140

Max

1,2-Dibromoethane (EDB)

Spike Conc

MS

.28

Spike MS Result

0.32

MSD Result

0 32

MSD % Rec % Rec

114

105

% Rec Limits

RPD RPD Qual 20

1-Chloro-2-bromopropane (S)

SAMPLE DUPLICATE: 1748742

Date: 06/09/2016 04:27 PM

Units Parameter 1,2-Dibromoethane (EDB) ug/L % 1-Chloro-2-bromopropane (S)

92299142002 Dup Result Result ND 112

RPD ND 96

Max RPD 20

Qualifiers



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

%

Units

ug/L

92300062029

Result

Blank Result Reporting Limit

0 019

60-140

MDL Analyzed

Qualifiers

1,2-Dibromoethane (EDB) 1-Chloro-2-bromopropane (S)

Parameter

Parameter

Units ug/L

ND 101

LCS

Result

0.34

28

06/08/16 02:21

06/08/16 02:21

LABORATORY CONTROL SAMPLE & LCSD

MATRIX SPIKE & MATRIX SPIKE DUPLICATE.

1749652 Spike

1749655

ND

Conc.

1749653 LCSD LCS LCSD Result % Rec % Rec

% Rec RPD Limits

60-140

60-140

Max RPD Qualifiers

20

1,2-Dibromoethane (EDB) 1-Chloro-2-bromopropane (S)

Parameter

%

1749656

0.35

120

108

0.019

106

100

20

S3

2

1,2-Dibromoethane (EDB)

MS MSD Spike Spike Conc Conc

28

.29

MS Result

MSD Result 0.30

118

108

MS MSD % Rec % Rec 108

102

% Rec Limits

Max RPD RPD Qual 60-140 2 20

(S)

SAMPLE DUPLICATE: 1749654

1-Chloro-2-bromopropane

Parameter Units 1,2-Dibromoethane (EDB) ug/L 100 1-Chloro-2-bromopropane (S) %

Units

ug/L

%

92300062027 Result ND

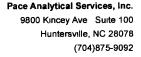
Dup RPD Result ND 143

0.31

Max RPD 35

Qualifiers

60-140





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

Date: 06/09/2016 04:27 PM

F3	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.

The receivery of the second source standard used to verify the initial calibration curve for this analyte is outside the



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:

03538/52480 COASTAL 76 TRUCK S

Pace Project No. 92299850

Date. 06/09/2016 04 27 PM

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		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		





QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:

03538/52480 COASTAL 76 TRUCK S

Pace Project No.: 92299850

Date: 06/09/2016 04:27 PM

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		

Pace Analytical*

Out of hold, incorrect preservative, out of temp, incorrect containers)

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

	UST USP Oth	er:Ye	- :s [Project #: WO#: 92299850 Client
Correction Factor: 0.0°C Cooler Temp Corrected (°C)		5.0	122	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 Yes No	f States: CA	, NY, or S	SC (check	maps)? 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?	Des.	□No	□N/A	2.
Short Hold Time Analysis (<72 hr.)?	□Yes	□No	□ N/A	3.
Rush Turn Around Time Requested?	□Yes	DIN6	□N/A	4.
Sufficient Volume?	□xes	□No	□N/A	5.
Correct Containers Used?	Wes	□No	□N/A	6.
-Pace Containers Used?	[]Ves	No	□N/A	
Containers Intact?	□y€s	□No	□N/A	7.
Samples Field Filtered?	☐Yes	□No	₩/A	8. Note if sediment is visible in the dissolved container
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☐Yes	No	□n/a	9. No time/Date on bottle labels
All containers needing acid/base preservation have been checked? All containers needing preservation are found to be in	Yes	□No	DMA	10. HNC1 pH<2
compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide)	□Yes	□No	□ N/A	H23G4 pHc2 NeCH pHr32
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC,LLHg	₩es	□No	□N/A	NeOH/ZnOAc pHr9
Samples checked for dechlorination?	□Yes	□No	WN/A	11.
Headspace in VOA Vials (>5-6mm)?	Yes	THO	□N/A	12.
Trip Blank Present?	Wes	□No	□N/A	13.
Trip Blank Custody Seals Present?	□ Yes	No	□N/A	
Pace Trip Blank Lot # (if purchased):			-	Galdana Sandada Civa Civa
Person Contacted: Comments/Sample Discrepancy:				Field Data Required? Yes No
Project Manager SCURF Review:	~			Date:
Note: Whenever there is a discrepancy affecting North Caroli	na complian	ce sample	es, a copy	of this form will be sent to the North Carolina DEHNR Certification Office (i.e.

Page 60 of 63

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

www.pacelabs.com	Section B							Sect	ion C											Pa	ge:	١	q	1	ž E
Required Client Information;	Required Pr	oject In	nformation	n:			-	Invoi	ce Infon	mation:						_						1.0	100	270	
Company: SLOTTEL UST	Report To:	Principal Princi	3.6	BOYONH				Atten	tion:	A CONTRACT										L		T	130	379	۷
Address: 2600 Buy Street	Copy To:							Com	pany Na	ame:							REGU	LATO	RY AC	BENC	Y				
Columbia Sc, 201204								Addr	ess:		- Sar						T. N	PDES	Г	GRO	UND WA	TER	Г	DRINKIN	G WATER
Email To: Beyants@the.sc.gar	Purchase Or	der No	46	600422	515			Pace Refer	Quote ence:	-T	. 1	ant	u				4 0	IST	Г	RCRA			Г	OTHER	
Dhone:	Project Name	/ 0	+-		-	500	2		Project	•							Site L	ocatio	n	50		-	1		
803-1046-06-06-06-06-06-06-06-06-06-06-06-06-06	Project Num	年 /	2	38/2					Profile #					190	4.15			STATE				-	lor	ence	
	м-			30,0	-	100								Re	ques	ted /	Analys	is Filt	ered (Y/N)					
Section D Matrix C	odes	2 2	6	- Section 2	7775-772-W		Г			40.0	- 4		NIN !		T	П	\Box	П		T	П				
Required Client Information MATRIX /	CODE r DW	codes to left)	- COMPO	COLL	ECTED		1.		-	Preser	vative	S	7	+	-	Н	+	₩	+	+	+	т-			
Orinking Water Water	WT	oo de		COMPOSITE	COMPC	isme	COLLECTION	1	Ш					8	8				11		11-				
Waste Water Product	P	Diam's	(G=GRAB	START	ENDIG	RAB	Ĕ		Ш					goons	30				11		S				
SAMPLE ID Soil/Soild	SL OL	3	8			1		88	Ш		П		St.	8	\$260r	1 - 1					e	1 0	M		0
(A-Z, 0-9 / ,-) Air	MP AR TS	w l					IP AT	CONTAINERS	0				P	WN	3	800			11		Chlorine	1	719	OPP	1150
Sample IDs MUST BE UNIQUE Tissue Other		CODE	\$				TEMP	K	er/e		1 2	0	sis/		4 E								, .	1011	(0.5
* 5	- 1	MATRIX	SAMPLE TYPE		1		PE	0	8 0	10-	Na ₂ S ₂ O ₃	Methanol	Analy	STEX	200	8		Н	11		Residual				
# #	- 1	M S	SE DA	TIME	DATE	TIME	SAMP	# OF	5 3	HNO ₃	NaOH Na ₃ S ₃ (Me de	4	9	3 2	14		Ш			8		Pace	Project N	lo./ Lab I.D.
I IGWA A		π	3		6/1/16	11:54		6	$\overline{}$	6				X	ďΧ	1X							OF		an
2 TGWA R			1		Ti	11:50		1		Ti				1	11	1	4.7					0	Lor		on
3 MW 1		П	Π		\sqcap	13:00		П						П	Ш	Ш						0	lor	she	enous
1 MW 2		V	V		V	13:10		V		J	19		100	V	VV	V					1-11	W		dor	000
5 MW 3		16	5		6/1/16	12:56		6	1	6			103	\times	dX	X		П				D	dar	-	0005
6MW 4		1	_		-		-					+	-		-		-	-	-		+	No	4 :	sounol	
7 MW 6		π	3	1, 19 5	6/1/16	10:06		6		6			100	X	X)>	X						1944	WAY	Noon	20 De
* MW 7		π	3		1.4	12:41		6		6		П		X	<x< td=""><td>X</td><td></td><td></td><td></td><td></td><td></td><td>Wo</td><td>00</td><td>lor</td><td>DV</td></x<>	X						Wo	00	lor	DV
9 MV 8		TO	5		6/1/16	12:00	1	6	П	6				χ_{λ}	(X	X						No	od	30	we
10 MW IOR		-							+	+		1	+	t	-		-				$\pm \pm$	No	et:	samo	oled
11 MW 11	,	न	3		6/1/16	10:07	28	6		6	776		100	χ_{Σ}	<x< td=""><td>X</td><td>4</td><td>12 K</td><td></td><td></td><td></td><td>Wo</td><td>000</td><td>lor"</td><td>009</td></x<>	X	4	12 K				Wo	000	lor"	009
12 MW 14	· ·	7	3		6/1/16	11:15		6	П	6				X	ďΧ	X						No	00	dor	00
ADDITIONAL COMMENTS		RELIN	QUISHE	D BY / AFFILIAT	NON /	DATI	E		TIME		A	CEPTE	D BY	AFFI	LIATIC	ON		DATE	1	IME			SAMPL	E CONDIT	ions
	Pete		S.W.	LA LIVE	T	6/1/1	6	15	:30	1	~~	P	1	*	Pa	ice	16	2-11	2 11	109	15.0	IY		N	Y
	1	•	No.	/ 0	ice	6-2-1	_	12	2	X	2 -	2.	0		HI			-2-16		03		T			
	Jam	\sim	V	ms 1	-	10.0-	Y	lox.	-	100	/	1	-1.	ICL			16	,	100	0	+-	+	+		
	10					-		-	-	-		-			_		+		+		+	+-	-		
	1			SAMPLE	ER NAME A	ND SIGNA	TUR	E	1000				655								0	5	+	-Fe	Ę.
OR	IGINAL			100000		me of SAME	6835	46.00	10-	17	1.11				Desire and						Temp in ⁴C	PBA	S	S Coo	1 (S
*				-		RE of SAMI		-	14	0	m	111	1	DAT (Ma	E Sign	ned	6/1	/16			T M	Rece	Ice (YIN)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
*Important Note: By signing this form you are accept	ing Pace's NET	30 day	y payment	terms and agreeing	to late charge	es of 1.5% pe	rmon	th for a	ny invoic	es not paid	within	100		,ma		· P.	11				F-ALI	L-Q-02	-	7, 15-May	



CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Pace Analytical*					N-OF-C																	32 of 63
Section A S	ection B					Sec	tion C											Page:	1	2	of	3 8
Required Client Information:	Required Project	t Inform	nation:		de la company			mation:							_					100	2070	2.1
SCOTTEC- UST	teport To:	١.	Boyant			Atten	ntion:								L					19:	9879	31
Address: 2000 BUN Street	ору То:					Com	pany N	lame:							RE	GULATO	RY AG	ENCY				
Columbia SC 29201	7			1,22		Addr	'ess:			- 3	, Se.	ė.	elser,		T.	NPDES	L (GROUND	TAW C	ER [DRINKIN	IG WATER
Empiritor Brunsc. gov	urchase Order	No.:	460042	LS13			Quote rence:	T	. (ar	1-4	_			14	UST	F	RCRA		٣	OTHER	
Phone: Fax: Fax: Phone:	Project Name	004	176 To	nek S	too	Pace Mana	Project								Si	te Locatio	n	SC		ri		
803-945 - 060b -903644-0623	roject Number	03	538/76 538/7	LE SZL	180		Profile	#:					100			STATE	-		-1	+101	rence	
-	VIDI	-									\neg		Req	uestec	d Ana	alysis Filt	ered (Y	/N)				
Section D Matrix Cod	des 2	۶	e i e e	- manufacture			Т					Y/N			T							
Required Client Information MATRIX / C Drinking Water	DW 2	C=COMP)	CO	LECTED			H	Prese	rvativ	es		۶	+	*	-	H	++	++	1			
Water Waste Water	ODE DW WY PSL OL	ă	COMPOSITE	сомес					П		П	1	۾ او	8260					9			
Product Sol/Solid	P F	(G=GRAB	START	END/G	EAS E				П		Н	→	2000	4	0		11		Residual Chlorine (Y/N)			
SAMPLE ID OI Wipe	WP	ě		+		CONTAINERS			П		П	46	1 6	물.					Ę.			
(A-Z, 0-9 / ,-) Air Sample IDs MUST BE UNIQUE Tissue	AR B	핊	200	100	9	1 E	P		П		П		2	1	200				ह			
Other	oτ ο ≚	E				8	Sen	-	1_	0 0	-			3			11		laal			
# #	MATRIX CODE	SAMPLE TYPE		30	TIME	# OF	Unpreserved	HNO.	NaOH	Na ₂ S ₂	Other	Analysis	N P	Or Yalmberto	202		11		Sesion	D	Dun's at I	No / Lob I D
		-	DATE TIME		73000	+,	-	-	-	Z 2	0	= ;	7	X	-	H	++	++	-		-	No./ Lab I.D.
1MW 15	স	6		191/10	10:32	6		16	1			1	4	17	+			#		No o	samo	
2 MV 16 3 MW 17		7		1/1/1/	11:40	1	H	6	1	+	Н	,	V	XX	7	TT	\top	+		Odor		cn.
IAM / NA	7	G		01110	12:15	6	11	16	1		Н	1	샀	2	7	\Box	+	+	11	Man	100	013
5 MW 19	7	G		WILL	10:34	6	11			3 1	Н	B	c X	XX	d		T	11	\top	Noc	200	04
6 MW 20	7	3		- 710	01	=	-		#	-		_	+		1		\perp	#	± 1	77	same	ded
7MW 21	V	6	100	61/16	10:33	16		6		0	П	1	XX	XX			T			Noo	dor	015
8 MW 2Z	1	1		177	10:47	1				100	1.00		11	1	1			300		1		016
9 MW 22D			1		11:22								Ш	Ш			\perp	\perp	Ш			214
10 MW 23		Ш			10:44	11							Ш				\perp	11				318
11 MW 24	4	4		14	10:17	4		4	4	1	Ц	1	MA	W	V		\perp	\perp	\perp	W		215
12 MW 25	I I	-			10:18	6		16	Ш	\perp	Ш	1	XX		XI_		\perp		\perp		don	0.50
ADDITIONAL COMMENTS			SHED BY / AFFILI	ATION .	DATE		TIME	_		ACCE	PTEC	BY /	AFFIL	ATION		DATE	St. A. St. Co.	ME		SAMI	LE CONDI	rions
	Peter	7	Willel	ECI	6/1/16		:30		M	()	rel	No		20	L	(0-2-	610	093	0	Y	N	Y
	Jam	- 1	shu f	ace	6-2-16	112	ns	IX (PAC	F HI	OL	0	/	2		1-2-16	120	3	1.0		-	
	1					1	-	1	1151		-						1					
	10			-		+		+		-	111											
			SAME	ER NAME	IND SIGNATU	RF		4												· ·	5	Ę .
ORI	GINAL		- Control		AND RESERVED.	1900	1	==	1	111	-								Temp in °C	1 S 8	\$00 £	± 2 €
			-		me of SAMPLE		zes		7	24	-	11	DATE	Signed	,	1.1.1	-	\neg	Temp	Received on Ice (Y/N)	Custody Sealed Cool (Y/N)	Samples Intact (Y/N)
"Important Note: By signing this form you are accepting	n 1 1007 00			1000		7.	u	4	/	W	4	1	(MM/	DD/YY):	6	/1/16			F-ALL-		07, 15-May	Vietnamia de la companio del companio de la companio del companio de la companio della companio de la companio della companio



CHAIN-OF-CUSTODY / Analytical Request Document

of 63 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Page 68 Section B Section C Section A Required Project Information: Invoice Information: Required Client Information: 1998793 Company Name: Copy To: REGULATORY AGENCY GROUND WATER DRINKING WATER OTHER . Purchase Order No.:) | UST. **RCRA** Site Location Florence STATE: Requested Analysis Filtered (Y/N) Y/N Section D Matrix Codes C=COMP) Preservatives COLLECTED equired Client Information MATRIX / CODE **Drinking Water** DW COLLECTION COMPOSITE COMPOSITE Waste Water ww Residual Chlorine (Y/N) END/GRAB (G=GRAB START Product P SL OL WP AR TS OT Soil/Solid 3 # OF CONTAINERS SAMPLE ID Wipe (A-Z, 0-9/.-) MATRIX CODE Sample IDs MUST BE UNIQUE Tissue Other Na₂S₂O₃ Pace Project No./ Lab I.D. DATE TIME TIME 077 032 J C. 61/1611:30 11:54 au 1:50 Ψ SAMPLE CONDITIONS ACCEPTED BY / AFFILIATION TIME TIME DATE ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE 1(69 5.0 SAMPLER NAME AND SIGNATURE ORIGINAL Received or Ice (Y/N) Custody saled Cool (Y/N) (Y/N) PRINT Name of SAMPLER: **DATE Signed** SIGNATURE of SAMPLER

*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 \$1/46.

(MM/DD/YY): O

F-ALL-Q-020rev.07, 15-May-2007

Pace Analytical" www.pacelabs.com

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

Please Remit To:

Pace Analytical Services, Inc.

P.O. Box 684056

Chicago, IL 60695-4056

Sold To:

Mr. John Bryant SCDHEC UST Program 2600 Bull Street Columbia, SC 29201 (803)898-0606

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

Pace Project No: 92299850

8260 MSV

Report Sent To: Mr. John Bryant, SCDHEC

Comments:

Quantity Unit Description

27 Ea 28 Ea

Client Name: SCDHEC Sample Received: 6/2/2016

ANALYTICAL CHARGES					
	Method	Matrix	Price	Total	
	EPA 8011	Water	\$18.00	\$486.00	
			040.00	0500.00	

.00 8011 GCS EDB DBCP \$532.00 EPA 8260 Water \$19.00 **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 Kincey Ave. Suite 100 Huntersville, NC 28078 Phone: (704)875-9092

Invoice Number: 1692073122

Date: 06/14/2016

Total Amount Due: \$1,018.00

Please Remit To:

Pace Analytical Services, Inc.

P.O. Box 684056

Client Name: SCDHEC Sample Received: 6/2/2016

Chicago, IL 60695-4056

Sold To:

Mr. John Bryant SCDHEC UST Program 2600 Bull Street Columbia, SC 29201 (803)898-0606

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

Pace Project No: 92299850

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	MVV21	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

UNDERGROUND STORAGE TANK (UST) OWNER/OPERATOR LEAD INFORMATION SHEET

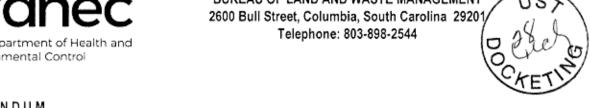
UST Chris SEP 0 7 2016

1. CONTRACTOR OF CHOICE

	UST Permit # 03538 (Coastal 76 Truck Stop), I would like to use the contractor equest that they represent me for: (check one)
	() Initial Groundwater Assessment
	() Other (please specify)
	(X) all future assessments and remedial scopes. **
Name of Contractor/Person(s): _	Midlands Environmental Consultants, Inc.
Address:	231 Dooley Road, Lexington, SC 29073
Telephone Number:	(803) 808-2043
Note: Site rehabilitation activities accordance with R.61-98.	es must be performed by a SCDHEC Certified Site Rehabilitation Contractor in
indicate if the person listed is your own o	employee
	erform all future assessment activities at this and/or other facilities that have confirmed releases, letterhead and provide the information requested in items 2 and 3 below within the context of the
2. FINANCIAL OR FAMILI	AL RELATIONSHIP
	ionship, as defined below, exist between you and the contractor/person that you _X_ No (please initial)
<u>Financial Relationship</u> : A conne gross income from a business of	ection or association through a material interest of sources of income which exceed five percent of annual entity.
Family or relatives include: fath law, mother-in-law, son-in-law	ection or association by family or relatives, in which a family member or relative has a material interest. her, mother, son, daughter, brother, sister, uncle, aunt, first cousin, nephew, niece, husband, wife, father-in- daughter-in-law, stepfather, stepmother, stepson, stepdaughter, stepbrother, stepsister, half brother, half great grandchild, step grandparent, step great grandparent, step grandchild, step great grandchild, or
3. PAYMENT	
	, upon the submittal of the canceled check (or a notarized statement from the om the SUPERB Account, or have payment issued directly from us to the
I request that payment be made I request that payment be made	to me after I have paid the contractor Yes No (please initial) directly to the contractor Yes No (please initial)
Note: All costs must receive price	or financial approval from the Department regardless of payment option.
Underground Storage Tank C	Owner/Operator Signature Date October 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.



UNDERGROUND STORAGE TANK PROGRAM BUREAU OF LAND AND WASTE MANAGEMENT



MEMORANDUM

TO: <u>N</u>	Midlands Environmental Co	onsultants, Inc
FROM: k	(yle Patterson	
RE: <u>\$</u>	Site Specific Work Plan R	equest
	Facility Name:	Coastal Truck Stop 76
	Permit Number:	03538
	County:	Florence
	Work To Be Completed:	Please submit a SSWP for comprehensive GW monotoring
	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 2 1 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 bryantic@dhec.sc.gov.

Sincerely,

John C. Bryant, Hydrogeologist Corrective Action Section

UST Management Division

Bureau of Land & Waste Management

enc: Site Information Packages

Technical Files cc:





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 15. Coleman Senior Scientist



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

				CDHEC 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 McEac	hin		Phone: 803-65	51-8835	
RP Address: 1007 Wentworth Dr					
Property Owner (if different):					
Property Owner Address: SAA Current Use of Property: Abar					
Scope of Work (Please chec					
☐ IGWA ☐ Tie		✓ Groundw	ater Sampling	☐ GAC	
☐ Tier I ☐ Mo	onitoring Well Installation				
Analyses (Please check all th	nat apply)				
Groundwater/Surface Water:	_	_		_	
☑ BTEXNMDCA (8260B)	Lead	_	BOD	Methane	
✓ Oxygenates (8260B)	8 RCRA N	_	Vitrate	☐ Ethanol	
☑ EDB (8011)	□трн	_	Sulfate	☐ Dissolved Iron	
☐ PAH (8270D)	☐ pH	П	Other		
Drinking Water Supply Wells:	— 11	00.0.045.4045.0	П с ор (со.	43	
BTEXNMDCA (524.2)		00.8 245.1 or 245.2)	☐ EDB (504.	1)	
Oxygenates & Ethanol (826	(OB) RCKA Me	tals (200.8)			
Soil:	□ BODA Metele	□ TOU DD () (2550D (2045D)	П 0i- 0i	
☐ BTEXNM ☐ Lead	☐ RCRA Metals		O (3550B/8015B)		
☐ PAH	Oil & Grease (907)	I)	O (5030B/8015B)	☐ TOC	
Air:					
Sample Collection (Estimate	the number of samples	of each matrix that are	expected to be co	llected \	
Soil	Water S		Air	1 Field Blank	
32 Monitoring Wells			Duplicate	2 Trip Blank	
Field Screening Methodology					
Estimate number and total com		•	•	•	
# of shallow points proposed: _					
# of deep points proposed:		_		feet per point	
Field Screening Methodology:					
Permanent Monitoring Wells					
Estimate number and total com			•	•	
# of shallow wells:					
# of deep wells:					
# of recovery wells:		stimated Footage:		feet per point	
Comments, if warranted:					

UST	Permit #: 03538 F	acility Name: _	Coastal Truck Stop 76	
Field	ementation Schedule (Number of o Work Start-Up: 3/6/2017 ort Submittal: 5/6/2017		from approval) Field Work Completion: 4/6/2017 # of Copies Provided to Property Owners: 2	
Aqui	fer Characterization		de explanation below for choice)	
	tigation Derived Waste Disposal	Tons	Purge Water: 200.0	Gallons
Drillin	g Fluids:	Gallons	Free-Phase Product:	Gallons
For e event -During extra p -Only r	, etc.	Ils to be aband MW-10R, MW-20, M ese wells are locate lable will be purged		
Yes	Name of Laboratory:	(Yes/No)	If no, indicate laboratory information below.	
	Name of Well Driller: SCLLR Certification Number:			
	Other variations from ACQAP. Pleas		low.	
Attach	nments			
1.	Attach a copy of the relevant portion	on of the USG	S topographic map showing the site location.	
2.	Prepare a site base map. This ma must include the following: North Arrow Location of property lines Location of buildings Previous soil sampling locations Previous monitoring well locations Proposed soil boring locations	Proposed m Legend with Streets or hig Location of a	curately scaled, but does not need to be surveyed. The interior of the following well locations of facility name and address, UST permit number, and bailighways (indicate names and numbers) all present and former ASTs and USTs all potential receptors	·
3.	Assessment Component Cost Agre	ement, SCDF	HEC 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

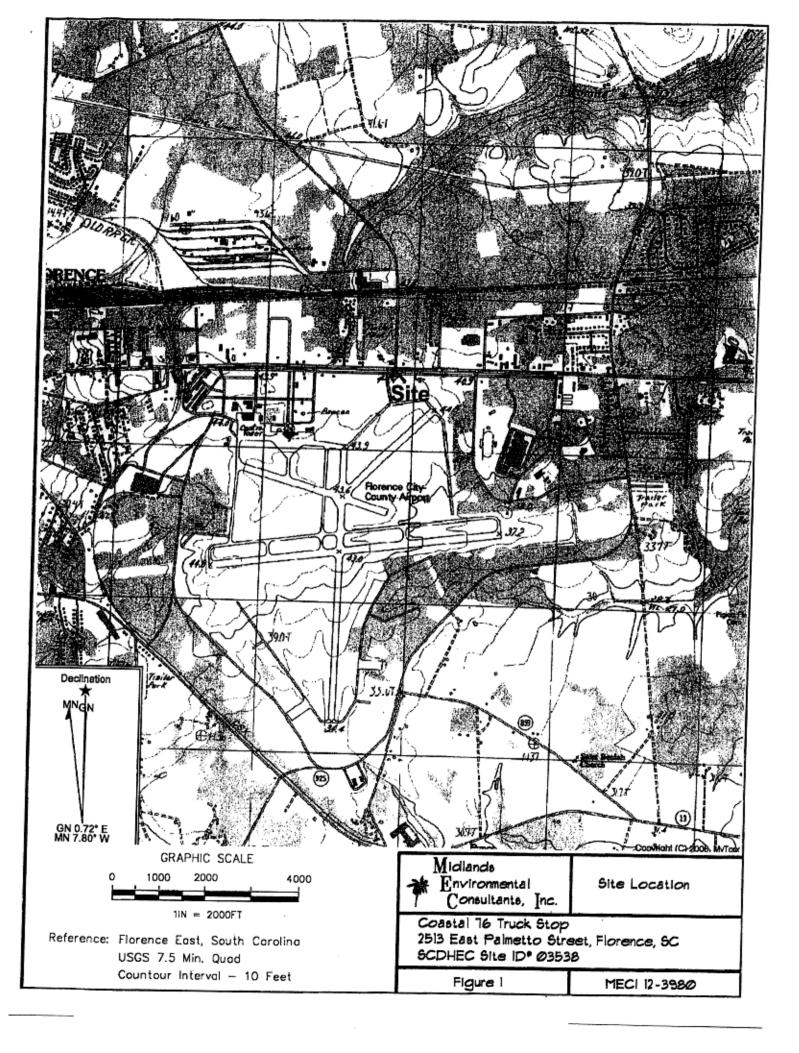
Facility Name: Coastal Truck Stop 76

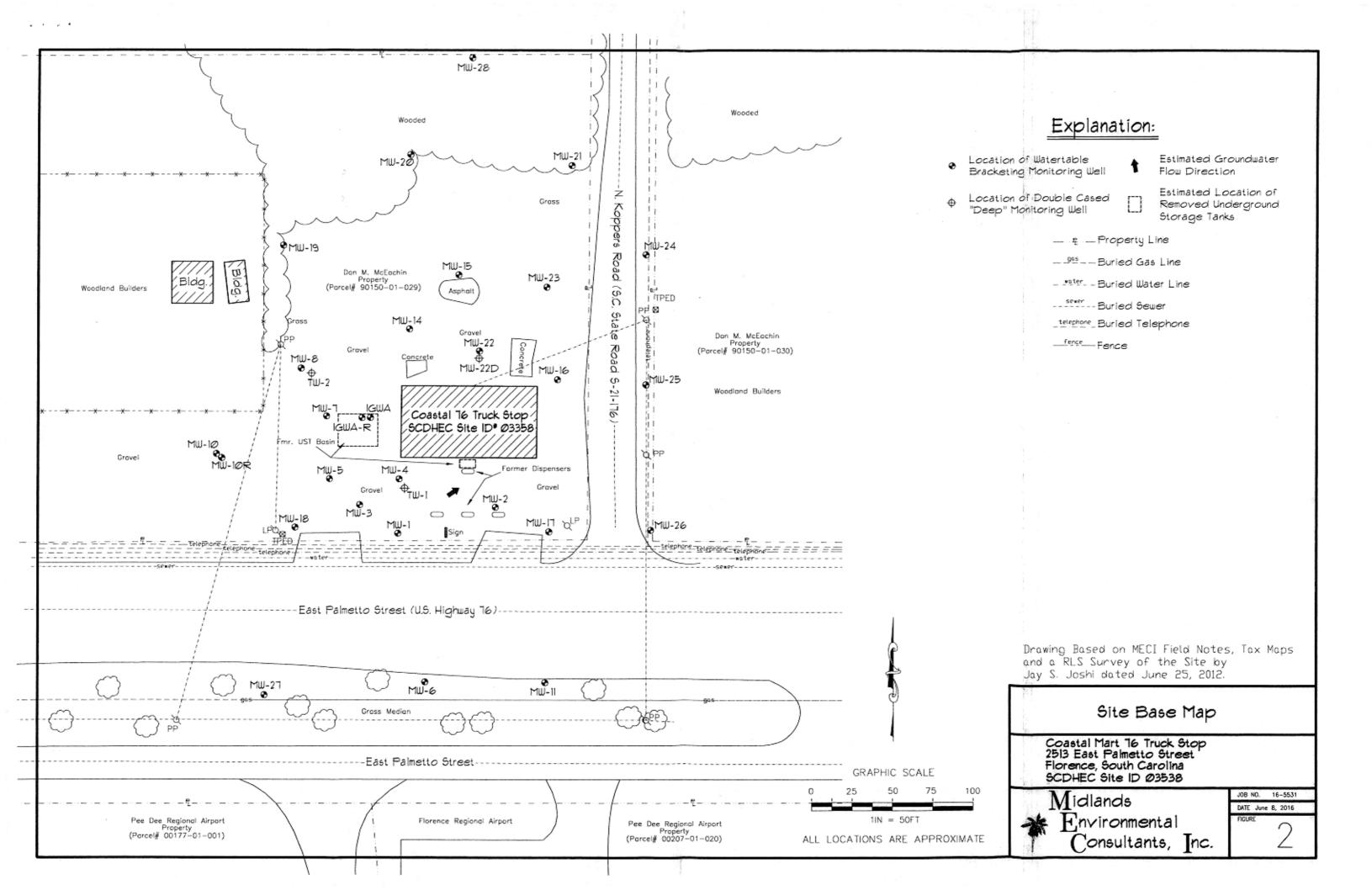
UST Permit #: 03538	Cost A	greement #:	Proposal	
ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
1. Plan Preparation				
A1. Site-specific Work Plan	1	each	\$150.00	\$150.00
B1. Tax Map		each	\$70.00	\$0.00
C1. Tier II or Comp. Plan /QAPP Appendix B		each	\$250.00	\$0.00
2. A1. Receptor Survey *		each	\$551.00	\$0.00
3. Survey (500 ft x 500 ft)				
A1. Comprehensive Survey		each	\$1,040.00	\$0.00
B. Subsurface Geophysical Survey				
1B. < 10 meters below grade		each	\$1,300.00	\$0.00
2B. > 10 meters below grade		each	\$2,310.00	\$0.00
C1. Geophysical UST or Drum Survey		each	\$910.00	\$0.00
4. Mob/Demob				
A1. Equipment		each	\$1,020.00	\$0.00
B1. Personnel	3	each	\$423.00	\$1,269.00
C1. Adverse Terrain Vehicle		each	\$500.00	\$0.00
5. A1. Soil Borings (hand auger)*		foot	\$5.00	\$0.00
6. Soil Borings (requiring equipment, push techn				
Field Screening (including water ssample, soil	sample, soil gas			
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
 Pushed Pre-packed screen (1.25" dia) 		per foot	\$15.00	\$0.00
J1. Rotosonic (2" diameter)		per foot	\$44.00	\$0.00
K. Re-develop Existing Well		per foot	\$11.00	\$0.00
10. Groundwater Sample Collection / Gauge Dept			***	*400.00
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		1		
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		per dampie	\$11.00	40.00
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		per sample	Ψ100.00	\$0.00
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
		per sample	\$40.00	\$0.00
U1. TPH-DRO (3550C/8015C)			\$35.96	\$0.00
V1. TPH- GRO (5030B/8015C)		per sample	\$104.00	\$0.00
W1. Grain size/hydrometer		per sample		\$0.00
X1. Total Organic Carbon		per sample	\$30.60	\$0.00
11. Analyses-Air		norcomple	\$216.00	\$0.00
Y1. BTEX + Naphthalene 11. Analyses-Free Phase Product		per sample	Ψ2 10.00	\$0.00
Z1. Hydrocarbon Fuel Identification		per sample	\$357.00	\$0.00
12. Aquifer Characterization		per sample	Ψ337.00	\$0.00
· ·		per hour	\$23.00	\$0.00
A1. Pumping Test*		per test	\$191.00	\$0.00
B1. Slug Test* 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	<u> </u>	Cacii	\$30.00	ψ0.00
A1. Mathematical Model		each	\$100.00	\$0.00
		each	\$100.00	\$0.00
B1. Computer Model 15. Risk Evaluation		eacii	\$100.00	\$0.00
A. Tier I Risk Evaluation		each	\$300.00	\$0.00
B1. Tier II Risk Evaluation		each	\$100.00	\$0.00
		each	\$260.00	\$0.00
16. A1. Subsequent Survey*		Eaul	φ200.00	φυ.υυ
17. Disposal (gallons or tons)*	200	collen	\$0.56	\$112.00
AA. Wastewater	200	gallon gallon	\$0.50 \$0.50	\$0.00
BB. Free Product		ton	\$60.00	\$0.00
C1. Soil Treatment/Disposal		gallon	\$0.42	\$0.00
D1. Drilling fluids 18. Miscellaneous (attach receipts)		galloff	ΨU.42	Φ0.00
10. miscellarieous (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	\$0.00
21. IGWA (Use DHEC 3666 form)		standard		\$0.00
,				***
22. Corrective Action (Use DHEC 3667 form)		PFP Bid	inc.	\$0.00

23. Aggressive Fluid & Vapor Recovery (AFVR)	T			
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 i	netallation		ψ001.00	\$0.00
A1. New GAC System Installation*	iistanation 	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			V	40.00
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







DAN MCEACHIN 1007 WENTWORTH DR FLORENCE SC 29501

MAR 1 11 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/OualityAssurance/.

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 MCFACHIN 1007 WENTWORTH DR FLORENCE SC 29501

MAR 2 4 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 (ACOAP), 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:

Task / Description Categories	Item Description	Qty / Pct	Unit Price	<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

March 23, 2017 Page 1 of 1 suprcait.rdf Rev: 1.15

Document Receipt Information

Hard Copy	СР		Email
Date Received	6-23-17		
Permit Number	03538		
Project Manager	Kye	Paterso	h
Name of Contractor		MECE	,
UST Certification No	umber		324eeg
Docket Number			
Scanned	ws/chen	nical Ar	nalyses

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.

Bryan T. Shane, P.G. Principal Geologist

Project Biologis

TABLE OF CONTENTS

1.0 INTRODUCTION
1.1 PROJECT INFORMATION1
2.0 SURROUNDING PROPERTY USAGE
3.0 AREA GEOLOGY AND HYDROGEOLOGY2
3.1 LOCAL SUBSURFACE CONDITIONS
4.0 FIELD EXPLORATION
4.1 MONITORING WELL SAMPLING AND CHEMICAL ANALYSES
5.0 TEST RESULTS AND EVALUATION
5.1 GROUNDWATER ANALYTICAL RESULTS5
6.0 ASSESSMENT SUMMARY & RECOMMENDATIONS
7.0 QUALIFICATIONS OF REPORT7

TABLE OF CONTENTS (cont.)

TABLES:

**Table 1 - SOIL ANALYTICAL RESULTS

Table 2 – POTENTIOMETRIC DATA

Table 3 – GROUNDWATER COC CONCENTRATION DATA

Table 3A – GROUNDWATER COC CONCENTRATION DATA (OXYGENATES)

**Table 4 – AQUIFER CHARACTERISTICS **Table 5 – SITE CONCEPTUAL MODEL

FIGURES:

Figure 1 – TOPOGRAPHIC MAP

Figure 2 – SITE BASE MAP

**Figure 3 – SOIL COC SITE MAP

Figure 4 – GROUNDWATER COC SITE MAP (BENZENE ISOPLETH)

Figure 4A - GROUNDWATER COC SITE MAP (NAPHTHALENE ISOPLETH)

Figure 4B – GROUNDWATER COC SITE MAP (EDB ISOPLETH)
Figure 4C – GROUNDWATER COC SITE MAP (OXYGENATES)

Figure 5 – POTENTIOMETRIC DATA SITE MAP (GROUNDWATER CONTOUR)

**Figure 6A-GEOLOGIC CROSS SECTION A-A'
**Figure 6B-GEOLOGIC CROSS SECTION B-B'

**APPENDIX A – SITE SURVEY

APPENDIX B - SAMPLING LOGS, LABORATORY DATA SHEETS AND CHAIN OF CUSTODY FORMS

**APPENDIX C – TAX MAP DATA

**APPENDIX D – SOIL BORING/FIELD SCREENING LOGS & 1903 FORMS

**APPENDIX E – WELL LOGS & 1903 FORMS

**APPENDIX F – AQUIFER EVALUATION SUMMARY FORMS, DATA, GRAPHS, EQUATIONS

APPENDIX G - DISPOSAL MANIFESTS

**APPENDIX H – LOCAL ZONING REGULATIONS

**APPENDIX I – FATE & TRANSPORT MODELING

**APPENDIX J – ACCESS AGREEMENTS

APPENDIX K - DATA VERIFICATION CHECKLIST

NOTE: ITEMS LISTED WITH AN ** BESIDE IT WERE NOT NEEDED AS A PART OF THIS SCOPE OF WORK

1.0 INTRODUCTION

Α	 Owner/Operator Information 	mation
	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
В.	Property Owner Inform	nation
	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	1
	Name:	Midlands Environmental Consultants, Inc.
	Certification #:	9
	Address:	P. O. Box 854, Lexington, SC 29071
	Telephone #:	(803) 808-2043
D.	SCDHEC Certified Well	Drillor
	Name:	N/A
	Driller:	N/A
	Certification #:	N/A
	Address:	N/A
	Telephone #:	N/A
		1471
E.	SCDHEC Certified Labo	ratory
	Name:	Pace Analytical Services, LLC
	Certification #:	99006001
	Address:	9800 Kincey Ave. Suite 100, Huntersville, NC 28078
	Telephone #:	(704) 875-9092

1.1 PROJECT INFORMATION

The subject site (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 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	Disease	agin i	INO Furge	Gauge Only	Low-Flow Sampling	Not Sampled	Not Located	BTEX, Naphthalene, MTBE (EPA Method 8260-B)	EDB Method Softs	1,2 DCA	(EPA Method 8260-B)	8 Oxygenates (EPA Method 8260-B)	Total Lead	(otto pomory)	BTEX, Naphthalene, MTBE, 1,2 DCA (EPA Method 524.2)	EDB (EPA Method 504.1)
Sample ID	-	-	+	+							A a la	+- C	1 1			
IGWA	-	$\frac{1}{x}$						X	X	X		te Sam	ipiea	T		1
IGWA R	X		-	\dashv	_			X	X	X		X X	 	+		+
MW-1	_ _	X						X	X	X		X		-		-
MW-2	X		+	\dashv				X	X	X	_	X		+-		-
MW-3		X	+	-	_		-	X	X	X		X	-			
MW-4		X	_	\dashv	+			X	X	$\frac{\lambda}{x}$	_			+-		
MW-5	+	X	+	_	\dashv	\dashv	-	X	X	X		- <u>X</u>		+-		<u> </u>
MW-6	+-	X	+	\vdash	-+	\dashv		X	X	$\frac{1}{X}$	+	X		-		
MW-7	+	+	+	+		+	X			_ ^	+			-		ļ
MW-8	X		+-	+	+	+	-	X	X	- X		X		-		
MW-9	+	+	+-		_		X		^	1 ^		^		-		
MW-10	+	+	+-	+	_	\dashv	X		ļ	+				┼—		-
MW-10R		-	+		+	-+	$\frac{x}{x}$			+-				-		
MW-11	+	X	+	+	+		1	X	X	V	+	37		-		
MW-14	X	-	+	-		\dashv		X	X	X	+	X		-		
MW-15	X	 	+	-		-+-		X		X		X		-		-
MW-16	X			+	-	-	-	X	X	X	+-	X				
MW-17	X		-	+	+	-			X	X		X		_		
MW-18	X		\vdash	-			-	X	X	X	-	X		-		
MW-19	1	X	-	-	+	+	+	X	X	X		X				
MW-20			-	+-	-	-	37	X	X	X	-	X				
MW-21				+	-		X	77		 	-					
MW-22	+	X		+		+		X	X	X		X				
MW-22D	V			+-	+	+		X	X	X		X		1		
MW-23	X			+-	-	+	+	X	X	X		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				-	-	7	ζ									
TW-1	X			1		_		Х	X	X	2	X				
TW-2	X			-	-			X	X	X	7	ζ .				
DUP-1		X		4_				Х	X	X	7	<				
DUP-2		X		<u> </u>	1_		\perp	X	X	X	3	ζ				
Field Blank			_		-		_	X	X	X	>					
Trip Blank es: BTEX = Benzene						L		X		X	7					

Notes: BTEX = Benzene, Toluene, Ethylbenzene, & Total Xylenes
MTBE=Methyl tertiary butyl ether
1,2 DCA = 1,2 Dicloroethane
EDB = Ethylene Dibromide

The results of the laboratory analyses are summarized in Table 3 & 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:

Compound	RBSL/SCAL (ug/l)	Wells Above RBSL
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 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:

Compound	RBSL/SCAL (ug/l)	Wells Above RBSL
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.

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**

Well	Sample	Screened	Depth to	Depth to	Product	Well-head	Crounding
Number	Date	Interval	Product (feet)	Water (feet)	Thickness (feet)	Elevation	Groundwa Elevation
IGWA	9/29/1999	TD: 16.74	NA	NA	0.21	145.19	
	2/20/2012	-	_	DRY	0.21	145.19	NA DDV
	6/26/2012	3-2	- 1	NM			DRY
	12/3/2012	_	_	11.98	_	145.19	NM
	12/13/2014	=_=			-	145.19	133.21
	8/31/2015		7.	12.15	-	145.19	133.04
	6/1/2016	-5/	-	13.78	-	145.19	131.41
	4/4/2017	_	-	4.61	-	145.19	140.58
		_	-	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	
	12/13/2014	-		12.10		145.14	133.21
	8/31/2015	-		NM		145.14	133.04
	6/1/2016			4.49		145.14	NM
	4/4/2017	-	-	8.52		145.14	140.65 136.62
AMAZ A	0/20/1000					140.14	130.02
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	-	2-	12.75	- 1	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: 49.00					
14144-7	2/20/2012	TD: 18.30		13.63 DRY		145.19	131.56
	6/26/2012			14.04		145.19	DRY
	12/2/2012					145.19	131.15
	12/13/2012			12.34		145.19	132.85
			-	12.36	-	145.19	132.83
	8/31/2015		7	12.17	-	145.19	133.02
	6/1/2016 4/4/2017			4.57 7.95		145.19	140.62
h di n . o						145.19	137.24
MW-3	9/29/1999	TD:18.20	- 47.00	13.13	I.M.	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	4	- 1	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	-	2-	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	5.02	145.56	
	12/2/2013			12.26			131.21
	12/13/2012					145.56	133.30
	8/31/2015			12.43	- NE S	145.56	133.13
				12.24		145.56	133.32
	6/1/2016		-	NL 0.00		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 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 NL
	8/31/2015	_	_	NL	1/2	145.11	NL NL
	6/1/2016		12	4.35		145.11	NL 140.76
	4/4/2017	-	_	8.45	-	145.11	136.66
MW-6	0/20/4000	9.00.40.00					
O-A AIAI	9/29/1999 2/20/2012	8.29-18.29		13.04		146.04	133.00
	6/26/2012			DRY		146.04	DRY
				14.65		146.04	131.39
	12/2/2013	had it had a top to		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 4/4/2017	-		5.13 9.60		146.04	140.91
						146.04	136.44
MW-7	9/29/1999	8.38-18.68	-	NA 10.54	-	144.61	NA 120.07
	2/20/2012	met .	-	16.54	a	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 4/4/2017		-	3.97	-	144.61	140.64

Well Head elevations obtained from SCDHEC Files.
 Groundwater depths were measured from the top of the PVC riser pipe.
 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 PAGE 2 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

	TO EXPLICATE A CONTROL OF THE CONTRO		CDHEC SITE ID	MOMBER 03	538		
Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product	Well-head	Groundwat
MW-8	9/29/1999	1.29-18.29	-	11.54	Thickness (feet)	Elevation	Elevation
	2/20/2012	-	-	15.59		143.78 143.78	132.24
	6/26/2012	-	-	12.62	_	143.78	128.19
	12/3/2012		-	10.43	_	143.78	131.16 133.35
	12/13/2014	-	-	10.61	-	143.78	133.35
	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			
	2/20/2012	-		12.06 NL		NA	NA
	6/26/2012			NL		NL	NL
	12/3/2012	-		NL		NL NL	NL
	12/13/2014	- 14 - 14 - 14 - 14 - 14 - 14 - 14 - 14		NL		NL	NL NL
	8/31/2015	-		NL		NL	NL NL
	6/1/2016	-		NL		NL	NL NL
	4/4/2017			NL	-	NL	NL
MW-10	9/29/1999	TD: 18.25	_	NA			
	2/20/2012	-		15.65	-	143.84	NA
	6/26/2012	1-1	_	12.41	-	143.84	128.19
	12/3/2012	-	_	12.41 NL	-	143.84	131.43
	12/13/2014	-	_	NL	-	143.84	NL
	8/31/2015	-	_	NL	1 1	143.84 143.84	NL NI
	6/1/2016	-	-	NL		143.84	NL NI
	4/4/2017	100	-	NL	-	143.84	NL NL
MW-10R	12/3/2014	TD:44.04					INL
	12/3/2014	TD:11.61		10.50		143.81	133.31
	8/31/2015			10.62	-	143.81	133.19
	6/1/2016			10.29 NL		143.81	133.52
	4/4/2017			NL NL		143.81	NL
B. 41				INL	-	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	3		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	-	7.	13.69	-	145.68	131.99
	6/1/2016	=	Ti.	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	400.40
	2/20/2012		. 7	16.35		144.36	132.49 128.01
	6/26/2012	-		NL		144.36	128.01 NL
	12/3/2012	-		NL	_	144.36	NL NL
	12/13/2014	-	<u>-</u>	11.39		144.36	132.97
	8/31/2015	-	<u>.</u>	13.11		144.36	131.25
	6/1/2016	-		3.43	-	144.36	140.93
	4/4/2017	- 1		7.25	-	144.36	137.11
MW-15	6/26/2012	10-20	_	12.78		440 = 4	
	12/3/2014	-	_	12.78 10.46		143.54	130.76
	12/13/2014			10.46	-	143.54	133.08
	8/31/2015	_	-	12.32		143.54 143.54	132.92
	6/1/2016	_	_	3.00	_	143.54	131.22 140.54
	4/4/2017	-	-	8.06	1=0	143.54	140.54 135.48
M/M/ 16	6/06/0040	44.04					
MW-16	6/26/2012 12/3/2014	11-21		13.43		144.33	130.90
	12/3/2014			11.18		144.33	133.15
	8/31/2015			11.42		144.33	132.91
	6/1/2016			14.48		144.33	129.85
	4/4/2017			NL 7.51		144.33 144.33	NL 136.82
				7.01		174.00	136.82
MW-17	6/26/2012	11-21	-	13.96	-1	145.08	131.12
	12/3/2014	-	17.1	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 4/4/2017	_		4.54 8.46	1=3	145.08	140.54
	7/4/201/	-	-	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	133.37
	8/31/2015	/ - 15 Miles	-	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		140.07	488.55
	12/13/2014	4.14-14.14	-	9.79 10.66	-	143.67	133.88
	8/31/2015	_		10.66 10.74	-	143.67	133.01
	6/1/2016	-	-	3.13		143.67	132.93
	4/4/2017	_	-	6.68		143.67 143.67	140.54
				0.00	=	143.0/	136.99
MW-20	12/3/2014	4.50-14.50		10.97		143.93	132.96
	12/13/2014	-		11.17	-	143.93	132.96
	8/31/2015	-		11.80	-	143.93	132.13
	6/1/2016	_		NL		143.93	NL
	4/4/2017			NL		140.00	IVL

Well Head elevations obtained from SCDHEC Files.
 Groundwater depths were measured from the top of the PVC riser pipe.
 Groundwater elavtions corrected for the presence of free product using a specific gravity of 0.85.

^{4.} NL = Not Located

NA = Information not available
 DRY = Well Gauged DRY

TABLE 2 PAGE 3 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	Depth to	Product	Well-head	Groundwat
MW-21	12/3/2014		Product (feet)	Water (feet)	Thickness (feet)	Elevation	Elevation
10100-21		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	
	6/1/2016	_	12	2.63			132.34
1	4/4/2017				-	143.25	140.62
	7/7/2017	-	1.5	6.34	=	143.25	136.91
MW-22	12/3/2014	5.09-15.09		9.92		145.00	105.11
	12/13/2014				-	145.03	135.11
	8/31/2015			12.16		145.03	132.87
				11.53	-	145.03	133.50
	6/1/2016	-	-	4.31		145.03	140.72
BY CHETTER DAY	4/4/2017		-	7.54		145.03	137.49
MW-22D	12/3/2014	00.00.44.00					
10100-220		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			
1	4/4/2017	NOTE OF	_		-	144.89	138.57
	4/4/2011	_	-	10.26	-	144.89	134.63
MW-23	12/3/2014	1.61-11.61		11.90		142.62	404.70
	12/13/2014					143.63	131.73
				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
MMACA	40101001						,00.04
MW-24	12/3/2014	8.42-18.42	2-	10.81	_	143.78	132.97
	12/13/2014	-	_	11.03		143.78	132.75
	8/31/2015	_	_	DRY			1
	6/1/2016		=		-	143.78	DRY
]		_	\ -	3.30	-	143.78	140.48
F 7.2	4/4/2017	S=0.	-	6.60	-	143.78	137.18
MW-25	12/3/2014	8.29-18.29		10.66		444.04	100.00
	12/13/2014	3.20 10.20			-	144.04	133.38
				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
MALOC	40/0/004	40.00					
MW-26	12/3/2014	10-20	- [11.84	-	144.96	133.12
	12/13/2014	-	7=-	12.09	-	144.96	132.87
1	8/31/2015	*	_	14.27		144.96	
	6/1/2016		1		_ [130.69
1		_	-	4.51	- [144.96	140.45
	4/4/2017	-	-	8.34	-	144.96	136.62
MW-27	12/3/2014	11-21		11 27		444 ===	122 :-
		11-21		11.37		144.77	133.40
	12/13/2014			11.50	-	144.77	133.27
	8/31/2015	- 1865	_	14.31	-	144.77	130.46
	6/1/2016			3.96		144.77	140.81
	4/4/2017			8.32		144.77	136.45
				0.02		177.11	130.43
MW-28	12/3/2014	11-21	-	9.97	-	142.71	132.74
	12/13/2014	-	10T.	10.10		142.71	132.61
1	8/31/2015	_	1	10.59	10,00		1
	6/1/2016					142.71	132.12
	6/1/2016 4/4/2017	garan.	_ [NL NI	-	142.71	NL
1	7/7/201/	-	-	NL	-	142.71	NL
TW-1	9/29/1999	31-36		12.79		145.77	132.98
	2/20/2012			17.75			
	6/26/2012					145.77	128.02
		1	-	14.65		145.77	131.12
	12/3/2014	- 1		NL	-	145.77	NL
Might White	12/13/2014	-	-	12.69		145.77	133.08
	8/31/2015			12.26		145.77	133.51
	6/1/2016						
	4/4/2017			NL 9.24		145.77 145.77	NL
				3.24		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	contai					1
1	8/31/2015		-	11.93		143.98	132.05
I	メバマコアノハイド	I -	-	11.63	-	143.98	132.35
		1	[
	6/1/2016	-	-	3.35	_	143.98	140.63

^{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 PAGE 1 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	Sample	Benzene	Toluene	Ethylbenzene	D NUMBER Total Xylenes		MTDE			
Number	Date	(ug/l)	(ug/l)	(ug/l)	(ug/l)	Naphthalene (ug/l)	MTBE (ug/l)	1,2 DCA (ug/l)	EDB (ug/l)	Total Lead (ug/l)
IGWA	9/29/99 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	PROD DRY NS 1,300 NS 1,730 976 533	PROD DRY NS 6,000 NS 7,710 6,630 4,630	PROD DRY NS 630 NS 933 646	PROD DRY NS 11,000 NS 11,500 8,210 9,090	PROD DRY NS 310.0 NS 566 197J 358	PROD DRY NS <40 NS <100 <200 <125	PROD DRY NS <15 NS <100 <200 <125	PROD DRY NS 2.0 NS 0.26 0.28 0.51	PROD DRY NS 65 NS NT NT
IGWA-R	6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	130 2,000 NS NS 405 906	790 9,400 NS NS 3,450 6,540	180 1,800 NS NS 1,590 2,260	980 7,000 NS NS 5,790 8,480	160 530 NS NS 426 623	<25 <40 NS NS <125 <250	<25 NS NS <125 <250	0.71 3.2 NS NS 0.39 0.93	9.0J 51 NS NS NT NT
MVV-1	9/29/99 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	19,900 DRY PROD 17,000 NS 4,300 14,100 13,900	26,000 DRY PROD 27,000 NS 7,020 18,100 25,400	2,040 DRY PROD 1,500 NS 976 1,240 1,070	12,080 DRY PROD 15,000 NS 5,230 18,100 15,700	592 DRY PROD 820 NS 332 1,130 1,000	7,400 DRY PROD 250J NS 288 <1,000 <1,000	NT DRY PROD <74 NS 21.6J <1,000 <1,000	111 DRY PROD 210 NS 6.2 10.2 20.2	609 DRY PROD 630 NS NT NT
MW-2	9/29/99 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	18,500 DRY 9,800 4,800 NS 4,760 2,870	28,300 DRY 17,000 8,200 NS 7,890 3,760 21.3	3,360 DRY 1,300 940 NS 996 364 39.9	15,270 DRY 11,000 4,500 NS 5,870 2,500 49.0	670 DRY 370 260 NS 355 139 23.6	19,500 DRY 1,100 250 NS 317 281 36.6	NT DRY 240J <15 NS 21.9 <125 <10.0	ND DRY 65 28 NS 8.4 10.9 0.13	403 DRY 390 150 NS NT NT
MW-3	9/29/99 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	6,800 PROD PROD 2,000 NS 4,220 1,620 1,580	16,900 PROD PROD 10,000 NS 7,460 11,200 10,900	2,380 PROD PROD 1,600 NS 972 2,020 1,810	14,020 PROD PROD 11,000 NS 5,810 13,000	570 PROD PROD 780 NS 375 996 810	31.5 PROD PROD <40 NS 312 <500 <500	NT PROD PROD <15 NS 19.9J <500 <500	81.1 PROD PROD 3.2 NS 6.6 0.91	116 PROD PROD 100 NS NT NT NT
MVV-4	9/29/99 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	19,300 PROD 8,500 3,600 NS 4,390 NL 2,210	34,300 PROD 22,000 9,100 NS 7,900 NL 3,800	4,630 PROD 21,000 810 NS 953 NL 703	21,500 PROD 17,000 10,000 NS 5,940 NL 5,130	800 PROD 1,100 710 NS 366 NL 363	4,530 PROD <500 <80 NS 301 NL <125	NT PROD <500 <29 NS 19.6J NL <125	ND PROD 14 2.20 NS 6.9 NL 1.6	113 PROD 440 110 NS NT NL
MW-5	9/29/99 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	1,590 640 810 NL NL NL 20.4	7,410 5,100 7,400 NL NL NL 88.8 424	1,850 990 1,500 NL NL NL 93 1,020	10,320 5,800 10,000 NL NL NL 147 2,940	560 210 770 NL NL NL 47.2 427	13.1 <5.0 <200 NL NL NL <5.0 <50.0	NT 12 <200 NL NL NL <5.0 <50.0	11.9 0.45 0.86 NL NL NL <0.019	43 670 31 NL NL NL NT
MW-6	9/29/99 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	ND DRY <5.0 <0.13 NS <5.0 <5.0	5 DRY <5.0 <0.33 NS <5.0 <5.0	5.72 DRY <5.0 <0.33 NS <5.0 <5.0	25.93 DRY <5.0 <0.33 NS <5.0 <10.0	7.8 DRY <5.0 <0.40 NS <5.0 <5.0 <5.0	ND DRY <5.0 <0.40 NS <5.0 <5.0 <5.0	NT DRY <5.0 <0.15 NS <5.0 <5.0	ND DRY <0.019 <0.020 NS <0.019 <0.020 <0.020	23 DRY 9.7J 2.3J NS NT NT
MW-7	9/29/99 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	ND 180 390 210 NS 180 <5.0 NS	5,440 870 3,000 740 NS 475 <5.0 NS	1,750 740 1,700 1,300.0 NS 1,090 <5.0 NS	7,350 2,500 7,500 3,700 NS 2,320 <5.0 NS	530 210 600 270 NS 283 2.1J	979 <5.0 <200 <20 NS <25.0 <5.0	NT 4.1J <200 <7.4 NS <25.0 <5.0	ND <0.020 <0.063 <0.020 NS <0.019 <0.020 NS	25 280 25 8.1J NS NT NT
MW-8	9/29/99 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	ND <0.20 <5.0 <0.13 NS <5.0 <5.0	65.1 <1.7 <5.0 <0.33 NS <5.0 <5.0	1,110 <1.7 6.9 <0.33 NS <5.0 <5.0	5,690 3.4J 29 <0.33 NS <5.0 <5.0 <10.0	410 4.1J 20 <0.40 NS <5.0 <5.0 <5.0	ND <0.40 <5.0 <0.40 NS <5.0 <5.0	NT <0.30 <5.0 <0.15 NS <5.0 <5.0	ND <0.019 <0.21 <0.20 NS <0.020 <0.020 <0.020	16 140 20 31 NS NT NT

^{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

				SCDHEC	D NUMBER	03538				
Well Number	Sample Date	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Total Xylenes (ug/l)	Naphthalene (ug/l)	MTBE	1,2 DCA	EDB	Total Lead
MW-9	9/29/99 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	ND NL NL NL NL NL NL	ND NL NL NL NL NL NL NL NL	ND NL NL NL NL NL NL NL	1.46 NL NL NL NL NL NL NL	ND NL NL NL NL NL NL NL NL NL NL NL NL	(ug/l) ND NL NL NL NL NL NL NL NL NL	(ug/l) NT NL NL NL NL NL NL NL NL NL	(ug/l) ND NL NL NL NL NL NL NL NL NL	(ug/l) 12 NL NL NL NL NL NL NL NL NL N
MW-10	9/29/99 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	ND <0.20 <5.0 NL NL NL NL	4.09 <1.7 <5.0 NL NL NL NL	2.63 <1.7 <5.0 NL NL NL NL	7.43 <1.7 <5.0 NL NL NL NL NL	ND <1.7 <5.0 NL NL NL NL	14.15 <0.40 <5.0 NL NL NL NL	NT <0.30 <5.0 NL NL NL NL NL	ND <0.023 <0.019 NL NL NL NL	13 2.9 11 NL NL NL NL
MW-10R	12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	<0.13 NS <5.0 NL NL	<0.33 NS <5.0 NL NL	<0.33 NS <5.0 NL NL	<0.33 NS <10.0 NL NL	<0.40 NS <5.0 NL NL	<0.40 NS <5.0 NL NL	<0.15 NS <5.0 NL NL	<0.20 NS <0.019 NL NL	28 NS NT NL
MVV-11	9/29/99 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	10.1 DRY <5.0 <0.13 NS <5.0 <5.0 <5.0	1.63 DRY <5.0 <0.33 NS <5.0 <5.0 <5.0	19.90 DRY <5.0 <0.33 NS <5.0 <5.0	11.18 DRY <5.0 <0.33 NS <5.0 <10.0	15.2 DRY <5.0 <0.40 NS <5.0 <5.0 <5.0	ND DRY <5.0 <0.40 NS <5.0 <5.0	NT DRY <5.0 <0.15 NS <5.0 <5.0	ND DRY <0.020 <0.20 NS <0.20 <0.20 <0.020	120 DRY NT NT NS NT NT
MVV-14	9/29/99 2/20/12 6/26/12 12/3/14 12/12/14 8/31/15 6/1/16 4/4/17	591 530 13 NS 2.8 3.4J <5.0 <5.0	1,350 3,100 16 NS 2.0 <5.0 <5.0 <5.0	640 1,500 73 NS 5.3 10.9 <5.0 <5.0	2,123 4,400 49 NS 4.9 <10.0 <5.0 <10.0	8.4 260 46 NS <5.0 8.4 <5.0 <5.0	8.68 <0.40 <5.0 NS <5.0 <5.0 <5.0 <5.0	NT 10 <5.0 NS <5.0 <5.0 <5.0 <5.0	ND 0.21 <0.019 NS <0.019 <0.019 <0.019 <0.020	16 5.2 3.0J NS NT NT NT
MW-15	6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	92 <0.13 NS <5.0 <5.0 <5.0	280 <0.33 NS <5.0 <5.0 <5.0	140 <0.33 NS <5.0 <5.0 <5.0	380 <0.33 NS <5.0 <5.0 <10.0	1.3 <0.40 NS <5.0 <5.0 <5.0	<25 <0.40 NS <5.0 <5.0 <5.0	<5.0 <0.15 NS <5.0 <5.0 <5.0	0.05 <0.020 NS <0.019 <0.20 <0.020	8.6J <1.9 NS NT NT
MW-16	6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	180 1.3 NS 759 NL <5.0	580 0.62J NS 138 NL <5.0	83 <0.33 NS 286 NL <5.0	380 0.68J NS 211 NL <10.0	39 <0.40 NS 70.1 NL <5.0	5.4J 1.1 NS 10.5 NL <5.0	<25 <0.15 NS 1.8J NL <5.0	0.59 0.031 NS <0.020 NL <0.020	16 <1.9 NS NT NL
MW-17	6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	880 230 NS 5,020 2,680 91.4	1,500 600 NS 8,730 5,400 11.9	1,500 1,000 NS 1,200 1,780 17.3	5,700 5,000 NS 6,430 5,890 131	980 340 NS 391 506 22.8	20J <20 NS 331 <200 <5.0	<100 <7.4 NS 20.5J <200 <5.0	2.8 0.7 NS 9.5 4.7 0.11	35 31 NS NT NT
MW-18	6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	<5.0 <0.13 NS 2,720 <5.0 <5.0	<5.0 <0.33 NS 14,500 <5.0 <5.0	<5.0 0.40J NS 2,050 <5.0 <5.0	<5.0 80 NS 14,700 <5.0 <10.0	<5.0 21 NS 2,450 <5.0 <5.0	<5.0 <0.40 NS <1,000 <5.0 <5.0	<5.0 <0.15 NS <1,000 <5.0 <5.0	<0.020 <0.019 NS 4.3 <0.019 <0.020	11 <1.9 NS NT NT
MW-19	12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	<0.13 NS <5.0 <5.0 <5.0	<0.33 NS <5.0 <5.0 <5.0	<0.33 NS <5.0 <5.0 <5.0	<0.33 NS <5.0 <5.0 <10.0	<0.40 NS <5.0 <5.0 <5.0	<0.40 NS <5.0 <5.0 <5.0	<0.15 NS <5.0 <5.0 <5.0	<0.020 NS <0.020 <0.019 <0.020	<1.9 NS NT NT NT
MW-20	12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	<0.13 NS <5.0 NL NL	<0.33 NS <5.0 NL NL	<0.33 NS <5.0 NL NL	<0.33 NS <5.0 NL NL	<0.40 NS <5.0 NL NL	<0.40 NS <5.0 NL NL	<0.15 NS <5.0 NL NL	<0.020 NS <0.019 NL NL	<1.9 NS NT NL NL
MW-21	12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	<0.13 NS <5.0 <5.0 <5.0	<0.33 NS <5.0 <5.0 <5.0	<0.33 NS <5.0 <5.0 <5.0	<0.33 NS <5.0 <5.0 <10.0	<0.40 NS <5.0 <5.0 <5.0	<0.40 NS <5.0 <5.0 <5.0	<0.15 NS <5.0 <5.0 <5.0	<0.020 NS <0.019 <0.020 <0.020	6.9J NS NT NT NT

^{1.} BDL = Below Practical Quantitative Limits

ug/l = micrograms per liter
 MTBE = Methyl-Tertiary-Butyl Ether
 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 3 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

					D NUMBER	03538				
Well Number	Sample Date	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Total Xylenes		MTBE	1,2 DCA	EDB	Total Lead
MW-22	12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	<0.13 <0.13 <5.0 <5.0 <5.0	<0.33 <0.33 <5.0 <5.0 <5.0	<0.33 <0.33 <5.0 <5.0 <5.0	(ug/l) <0.33 <0.33 <5.0 <5.0 <10.0	(ug/l) <0.40 <0.40 <5.0 <5.0 <5.0	(ug/l) <0.40 <0.40 <5.0 <5.0 <5.0	(ug/l) <0.15 <0.15 <5.0 <5.0 <5.0	(ug/l) <0.020 <0.020 <0.019 <0.020 <0.020	(ug/l) 2J NT NT NT NT 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	4.2 J	<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 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	89.6 <0.20 <5.0 NL <0.13 564 NL <5.0	289 <1.7 <5.0 NL <0.33 4,820 NL <5.0	91.5 <1.7 <5.0 NL <0.33 1,430 NL <5.0	377 <1.7 <5.0 NL <0.33 7,990 NL <10.0	5 2.6J <5.0 NL <0.40 525 NL <5.0	15 <0.40 <5.0 NL <0.40 <100 NL <5.0	NT <0.30 <5.0 NL <0.15 <100 NL <5.0	ND <0.019 <0.020 NL <0.020 0.13 NL <0.020	7 13 3.4J NL <1.9 NT NL
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. MW-4 Dup. IGWA Dup. MW-7 Dup. DUP.1(IGWA) DUP-2. (IGWA-R) DUP-1(IGWA) DUP-2. (IGWA-R)	12/2/14 12/3/14 8/31/15 8/31/15 6/1/16 6/1/16 4/4/17 4/4/17	2,000 4,000 1,670 1,970 1,150 434 528 898	11,000 9,600 7,540 7,550 7,730 3,670 4,590 7,100	1,700 820 792 877 724 1,710 901 2,100	10,000 9,500 10,200 12,000 8,970 6,300 9,120 6,690	750 640 588 478 193J 471 350 658	<40 <40 <100 <25.0 <250 <125 <125 <250	<15 <15 <100 <25.0 <250 <125 <125 <125 <250	3.2 2.0 0.81 0.86 0.27 0.50 0.49 0.70	100 130 NT NT NT NT NT
Field Blank	12/2/14 12/3/14 12/12/14 8/31/15 6/1/16 4/4/17	<0.13 <0.13 <0.13 <5.0 <5.0 <5.0	<0.33 <0.33 <0.33 <5.0 <5.0 <5.0	<0.33 <0.33 <0.33 <5.0 <5.0 <5.0	<0.33 <0.33 <0.33 <10.0 <10.0 <10.0	<0.40 <0.40 <0.40 <5.0 <5.0 <5.0	<0.40 <0.40 <0.40 <5.0 <5.0 <5.0	<0.15 <0.15 <0.15 <5.0 <5.0 <5.0	<0.020 <0.020 <0.020 <0.019 <0.020 <0.020	<1.9 <1.9 NT NT NT NT NT
Trip Blank	12/3/14 12/3/14 12/3/14 12/12/14 8/31/15 6/1/16 4/4/17	<0.13 <0.13 <0.13 <0.13 <5.0 <5.0 <5.0	<0.33 <0.33 <0.33 <0.33 <5.0 <5.0 <5.0	<0.33 <0.33 <0.33 <0.33 <5.0 <5.0 <5.0	<0.33 <0.33 <0.33 <0.33 <10.0 <10.0 <10.0	<0.40 <0.40 <0.40 <0.40 <5.0 <5.0 <5.0	<0.40 <0.40 <0.40 <0.40 <5.0 <5.0 <5.0	<0.15 <0.15 <0.15 <0.15 <0.15 <5.0 <5.0 <5.0	NT NT NT NT NT NT	NT NT NT NT NT NT

- 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

- NL = Not Located
 NT = Not Tested
 PROD = Free Phase Petroleum Product
 "J" values report concentrations above the method
 detection limits (MDL) and below actual reporting limit (RL).

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	Sample	TAA		SCDHEC SITE ID NUM		1			
Number	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 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	PROD DRY NS 790J NS 2,740 <4,000 <2,500	PROD DRY NS <20 NS <200 <400 <250	PROD DRY NS <100 NS <2,000 <4,000 <2,500	PROD DRY NS <670 NS <2,000 <4,000 <2,500	PROD DRY NS <100 NS <1,000 <2,000 <1,250	PROD DRY NS <40 NS <100 <200 <125	PROD DRY NS <3300 NS <4,000 <8,000 <5,000	PROD DRY NS <20 NS <200 <400 <250
IGWA'R'	6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	NT <2,500 NS NL <2,500 <5,000	NT <20 NS NL <250 <500	NT <2,500 NS NL <2,500 <5,000	NT <670 NS NL <2,500 <5,000	NT <100 NS NL <1,250 <2,500	NT <40 NS NL <125 <250	NT <3,300 NS NL <5,000 <10,000	NT <250 NS NL <250 <500
MW-1	9/29/99 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	NT DRY PROD 8,800J NS 4,220 <20,000 <20,000	NT DRY PROD <100 NS <100 <2,000	NT DRY PROD <500 NS <1,000 <20,000	NT DRY PROD <3,400 NS <1,000 <20,000 <20,000	NT DRY PROD <500 NS <500 <10,000 <10,000	NT DRY PROD <200 NS <50.0 <1,000	NT DRY PROD <17,000 NS <2,000 <40,000 <40,000	NT DRY PROD <100 NS <100 <2,000 <2,000
MW-2	9/29/99 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	NT DRY NT 4,200 NS 4,600 2,680	NT DRY NT <20 NS <50.0 <250 <20.0	NT DRY NT <100 NS <500 <2,500 <200	NT DRY NT <670 NS 420J <2,500 <200	NT DRY NT <100 NS <250 <1,250 <100	NT DRY NT <40 NS <25.0 <125 <10.0	NT DRY NT <3,300 NS <1,000 <5,000 <400	NT DRY NT <20 NS <50.0 <250 <20.0
MVV-3	9/29/99 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	NT PROD PROD 2,200 NS 5,120 <10,000 <10,000	NT PROD PROD <20 NS <50.0 <1,000	NT PROD PROD <100 NS <500 <10,000	NT PROD PROD <670 NS 431J <10,000 <10,000	NT PROD PROD <100 NS <250 <5,000 <5,000	NT PROD PROD <40 NS <25.0 <500	NT PROD PROD <3,300 NS <1,000 <20,000	NT PROD PROD <20 NS <50.0 <1,000
MVV-4	9/29/99 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	NT PROD NT 2,800J NS 5,100 NL 2,760	NT PROD NT <40 NS <50.0 NL <250	NT PROD NT <200 NS <500 NL <2,500	NT PROD NT <1,300 NS 439J NL <2,500	NT PROD NT <200 NS <250 NL <1,250	NT PROD NT <80 NS <25.0 NL <125	NT PROD NT <6,600 NS <1,000 NL <5,000	NT PROD NT <40 NS <50.0 NL <250
MVV-5	9/29/99 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	NT <6.7 NT NL NL NL <100 <1,000	NT <0.20 NT NL NL VL <10.0 <100	NT <1.0 NT NL NL NL <100 <1,000	NT <6.7 NT NL NL NL <100 <1,000	NT <1.0 NT NL NL NL <50.0 <500	NT <0.40 NT NL NL NL <5.0 <50.0	NT <33 NT NL NL NL <200 <2,000	NT <0.20 NT NL NL NL <10.0 <100
MVV-6	9/29/99 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	NT DRY NT 180 NS <100 <100	NT DRY NT <0.20 NS <10.0 <10.0	NT DRY NT <1.0 NS <100 <100	NT DRY NT 8.9 NS <100 <100 <100	NT DRY NT <1.0 NS <50.0 <50.0	NT DRY NT <0.40 NS <5.0 <5.0	NT DRY NT <33 NS <200 <200 <200	NT DRY NT <0.20 NS <10.0 <10.0
MW-7	9/29/99 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	NT 140 NT <340 NS 647 <100 NL	NT <0.20 NT <50 NS <50.0 <10.0	NT 2.5J NT <50 NS <500 <100 NL	NT 8.9J NT <340 NS <500 <100 NL	NT <1.0 NT <50 NS <250 <50.0	NT <0.40 NT <20 NS <25.0 <5.0	NT <33 NT <1,700 NS <1,000 <200 NL	NT <0.20 NT <10 NS <50.0 <10.0
MW-8	9/29/99 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	NT 72J NT <6.7 NS <100 <100 <100	NT <0.20 NT <1.0 NS <10.0 <10.0	NT <1.0 NT <1.0 NS <100 <100	NT 18J NT <6.7 NS <100 <100 <100	NT <1.0 NT <1.0 NS <50.0 <50.0	NT <0.40 NT <0.40 NS <5.0 <5.0	NT <33 NT <33 NS <200 <200 <200	NT <0.20 NT <0.20 NS <10.0 <10.0

ug/l = micrograms per liter
 DIPE = Diisopropyl Ether
 ETBE = Ethyl ter-butyl Ether
 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. &}quot;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 PAGE 2 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	Cample	TAA		SCDHEC SITE ID NUM					
Number	Sample Date	ΤΑΑ (μg/l)	TAME (μg/l)	3,3-Dimethyl-1-butanol (μg/l)	TBA (μg/l)	TBF (μg/l)	DIPE	Ethanol	ETBE
MW-9	9/29/99 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	NT NL NL NL NL NL	NT NL NL NL NL NL	NT NL NL NL NL NL NL NL NL NL NL	NT NL NL NL NL NL NL NL NL NL	NT NL NL NL NL NL NL NL NL NL NL	(μg/l) NT NL NL NL NL NL NL NL NL NL	(μg/l) NT NL NL NL NL NL NL NL NL NL	(μg/l) NT NL NL NL NL NL NL NL NL NL
MVV-10	9/29/99 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	NT <6.7 NT NL NL NL NL	NT <0.20 NT NL NL NL NL	NT <1.0 NT NL NL NL NL NL	NT <6.7 NT NL NL NL NL NL	NT <1.0 NT NL NL NL NL	NT <0.40 NT NL NL NL NL	NT <33 NT NL NL NL NL NL NL	NT <0.20 NT NL NL NL
MW-10R	12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	<6.7 NS <100 NL NL	<0.20 NS <10.0 NL NL	<1.0 NS <100 NL NL	<6.7 NS <100 NL NL	<1.0 NS <50.0 NL NL	<0.40 NS <5.0 NL NL	<33 NS <200 NL NL	NL <0.20 NS <10.0 NL NL
MW-11	9/29/99 2/20/12 6/26/12 12/3/14 12/13/14 8/31/15 6/1/16 4/4/17	NT DRY NT <6.7 NS <100 <100	NT DRY NT <0.20 NS <10.0 <10.0 <10.0	NT DRY NT <1.0 NS <100 <100	NT DRY NT <6.7 NS <100 <100 <100	NT DRY NT <1.0 NS <50.0 <50.0	NT DRY NT <0.40 NS <5.0 <5.0 <5.0	NT DRY NT <33 NS <200 <200 <200	NT DRY NT <0.20 NS <10.0 <10.0
MW-14	9/29/99 2/20/12 6/26/12 12/3/14 12/12/14 8/31/15 6/1/16 4/4/17	NT 630 NT NL 7.9 <100 <100	NT <0.20 NT NL <1.0 <10.0 <10.0	NT 1.1J NT NL <0.20 <100 <100	NT 9.5J NT NL <6.7 <100 <100 <100	NT <1.0 NT NL <1.0 <50.0 <50.0	NT <10 NT NL <0.40 <5.0 <5.0	NT	NT <0.20 NT NL <0.20 <10.0 <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

ug/l = micrograms per liter
 DIPE = Diisopropyl Ether
 ETBE = Ethyl ter-butyl Ether
 TAA = tert-Amyl Alcohol

^{5.} TAME = tert-Amyl Methyl Ether
6. TBA = tert-Butyl Alcohol
7. TBF = tert-Butyl Formate
8. NL = Not Located

^{9. &}quot;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 PAGE 3 OF 3

GROUNDWATER COC CONCENTRATION DATA (OXYGENATES) APRIL 4, 2017 SAMPLING EVENT

COASTAL 76 TRUCK STOP FLORENCE, SOUTH CAROLINA MECI PROJECT NUMBER 17-5929

Well	Sample	TAA	TAME	SCDHEC SITE ID NUM					
Number	Date	(μg/l)	(μg/l)	3,3-Dimethyl-1-butanol (µg/l)	TBA (μg/l)	TBF (μg/l)	DIPE (μg/l)	Ethanol	ETBE
MW-22	12/3/14 12/12/14	<6.7	<0.20	<1.0	<6.7	<1.0	(μg/I) <0.40	(μ g/l)	(μ g/I) <0.20
	8/31/15	<6.7 <100	<0.20 <10.0	<1.0 <100	<6.7 <100	<1.0	<0.40	<33	<0.20
	6/1/16 4/4/17	<100	<10.0	<100	<100	<50.0 <50.0	<5.0 <5.0	<200 <200	<10.0 <10.0
	4/4/1/	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-22D	12/3/14 12/12/14	<6.7 NS	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	8/31/15	<100	NS <10.0	NS <100	NS <100	NS 50.0	NS	NS	NS
	6/1/16 4/4/17	<100	<10.0	<100	<100	<50.0 <50.0	<5.0 <5.0	<200 <200	<10.0 <10.0
	4/4/1/	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-23	12/3/14 12/12/14	<6.7 <6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	8/31/15	<100	<0.20 <10.0	<1.0 <100	<6.7 <100	<1.0	<0.40	<33	<0.20
	6/1/16	<100	<10.0	<100	<100	<50.0 <50.0	<5.0 <5.0	<200 <200	<10.0 <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 8/31/15	NS DRY	NS DRY	NS DRY	NS	NS	NS	NS	NS
	6/1/16	<100	<10.0	<100	DRY <100	DRY <50.0	DRY <5.0	DRY <200	DRY
	4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0 <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 8/31/15	NS DRY	NS DRY	NS DRY	NS	NS	NS	NS	NS
	6/1/16	<100	<10.0	<100	DRY <100	DRY <50.0	DRY <5.0	DRY <200	DRY <10.0
	4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MVV-26	12/3/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/12/14 8/31/15	NS <100	NS <10.0	NS r100	NS	NS	NS	NS	NS
	6/1/16	<100	<10.0	<100 <100	<100 <100	<50.0 <50.0	<5.0 <5.0	<200 <200	<10.0
	4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0 <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 8/31/15	NS <100	NS <10.0	NS	NS	NS	NS	NS	<0.20 NS
	6/1/16	<100	<10.0	<100 <100	<100 <100	<50.0 <50.0	<5.0 <5.0	<200 <200	<10.0
	4/4/17	<100	<10.0	<100	<100	<50.0	< 5.0	<200	<10.0 <10.0
MW-28	12/3/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.00
	12/12/14 8/31/15	NS <100	NS	NS	NS	NS	NS NS	NS	<0.20 NS
	6/1/16	NL	<10.0 NL	<100 NL	<100 NL	<50.0 NL	<5.0 NL	<200	<10.0
	4/4/17	NL	NL	NL NL	NL	NL NL	NL NL	NL NL	NL NL
TW-1	9/29/99	NT	NT	NT	NT	NT	NT	NT	NT
	2/20/12 6/26/12	<6.7 NT	<0:20 NT	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/3/14	NL	NL NL	NT NL	NT NL	NT NL	NT NL	NT NL	NT
	12/12/14 8/31/15	<6.7 <2,000	<0.20	<1.0	<6.7	<1.0	<0.40	<33	NL <0.20
	6/1/16	~2,000 ** N L	<200 NL	<2,000 NL	<2,000 NL	<1,000 NL	<100 NL	<4,000 NL	<200
	4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	<200	NL <10.0
TW-2	6/26/12	NT	NT	NT	NT	NT	NT	NT	NT
	12/3/14 12/13/14	<6.7 NS	<0.20 NS	<1.0	<6.7	<1.0	< 0.40	<33	<0.20
	8/31/15	<100	<10.0	NS <100	NS <100	NS <50.0	NS <5.0	NS <200	NS <10.0
	6/1/16 4/4/17	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
		<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-3 DUP MW-4 DUP	12/2/14 12/3/14	1,900J	<20	<100	<670	<100	<40	<3,300	<20
MW-7 DUP	8/31/15	2,800 1,410	<20 <50.0	<100 <500	<670 <500	<100 <250	<40 <25.0	<3,300 <1,000	<20
IGWA DUP DUP-1(IGWA)	8/31/15 6/1/16	2,810	<200	<2,000	<2,000	<1,000	<100	<4,000	<50.0 <200
DUP-2 (IGWA-R)	6/1/16	<5,000 <2,500	<500 <250	<5,000 <2,500	<5,000 <2,500	<2,500 <1,250	<250 <125	<10,000	<500
DUP-1 (IGWA) DUP-2 (IGWA-R)	4/4/17	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000 <5,000	<250 <250
	4/4/17	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
Field Blank	12/2/14 12/3/14	<6.7 <6.7	<0.20 <0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/12/14	<6.7 <6.7	<0.20	<1.0 <1.0	<6.7 <6.7	<1.0 <1.0	<0.40 <0.40	<33 <33	<0.20 <0.20
	8/31/15 6/1/16	<100 <100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/4/17	<100 <100	<10.0 <10.0	<100 <100	<100 <100	<50.0 <50.0	<5.0 <5.0	<200 168J	<10.0
Trin Blank	10/2/44								<10.0
Trip Blank	12/3/14 12/3/14	<6.7 <6.7	<0.20 <0.20	<1.0 <1.0	<6.7 <6.7	<1.0 <1.0	<0.40 <0.40	<33	<0.20
	12/3/14	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33 <33	<0.20 <0.20
	12/12/14 8/31/15	<6.7 <100	<0.20 <10.0	<1.0 <100	<6.7 <100	<1.0 <50.0	<0.40 <5.0	<33	<0.20
	6/1/16	<100	<10.0	<100	<100	<50.0 <50.0	<5.0 <5.0	<200 <200	<10.0 <10.0
	4/4/17	<100	<10.0 <10.0	<100	<100	<50.0	<5.0	<200	<10.0

Notes:

4/4/17

<100

<10.0

<100

<5.0

<200

<10.0

<50.0

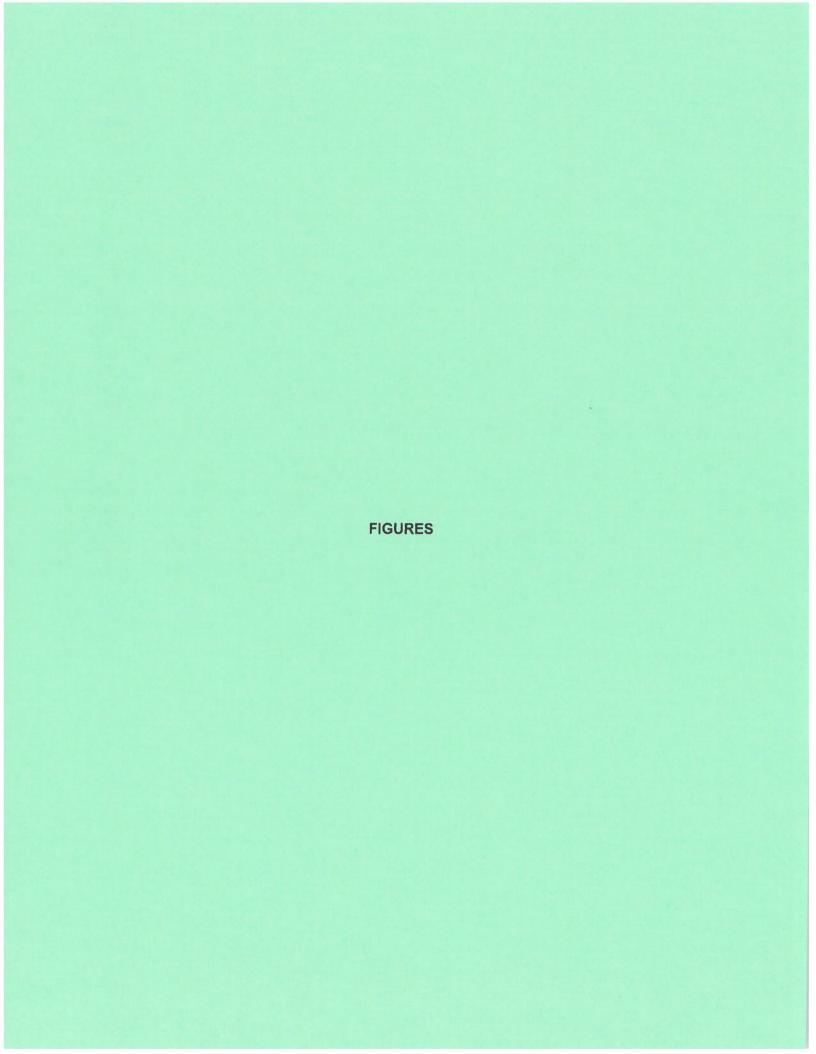
<100

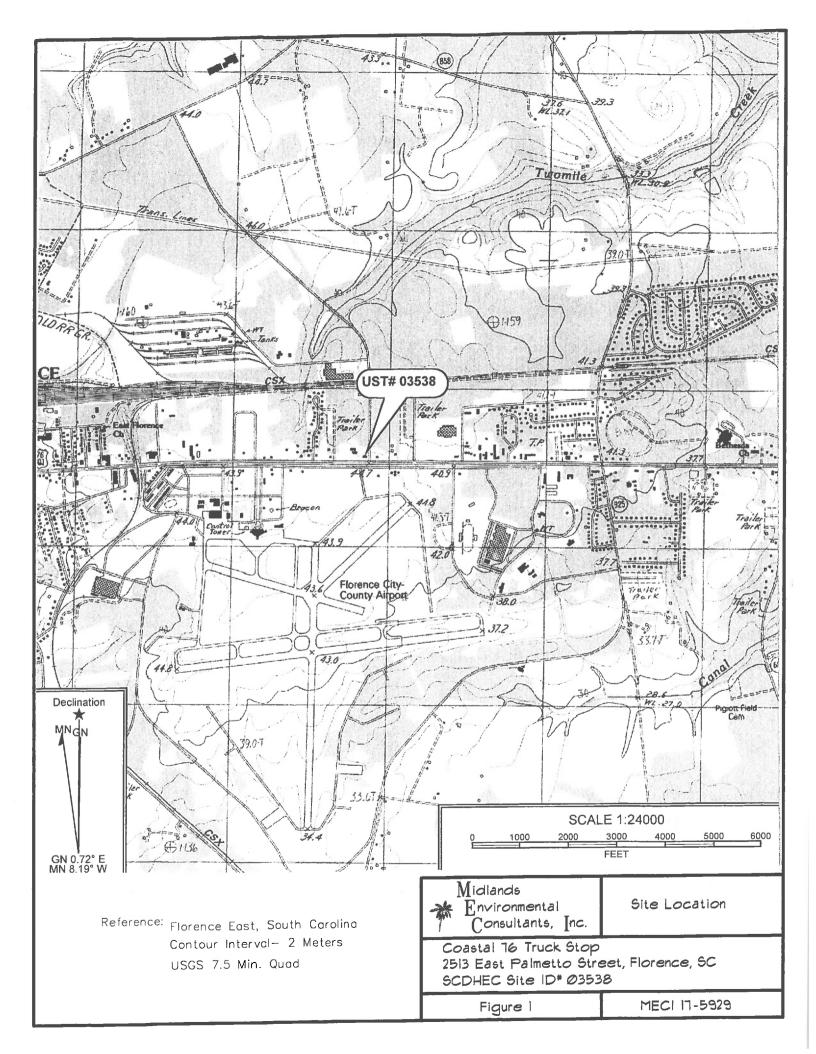
ug/l = micrograms per liter
 DIPE = Diisopropyl Ether
 ETBE = Ethyl ter-butyl Ether
 TAA = tert-Amyl Alcohol

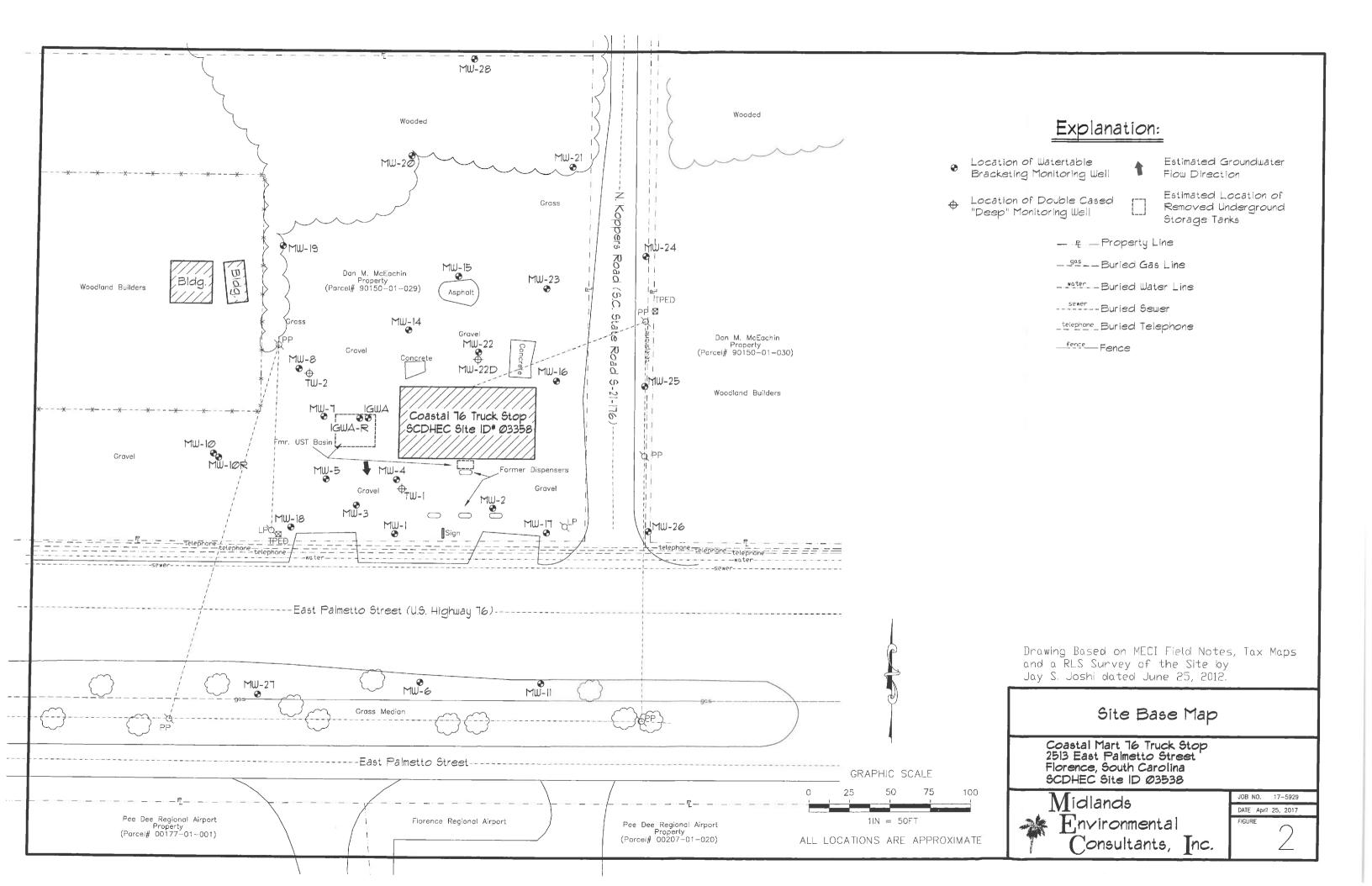
^{5.} TAME = tert-Armyl Methyl Ether
6. TBA = ter-Butyl Alcohol
7. TBF = tert-Butyl Formate
8. NL = Not Located

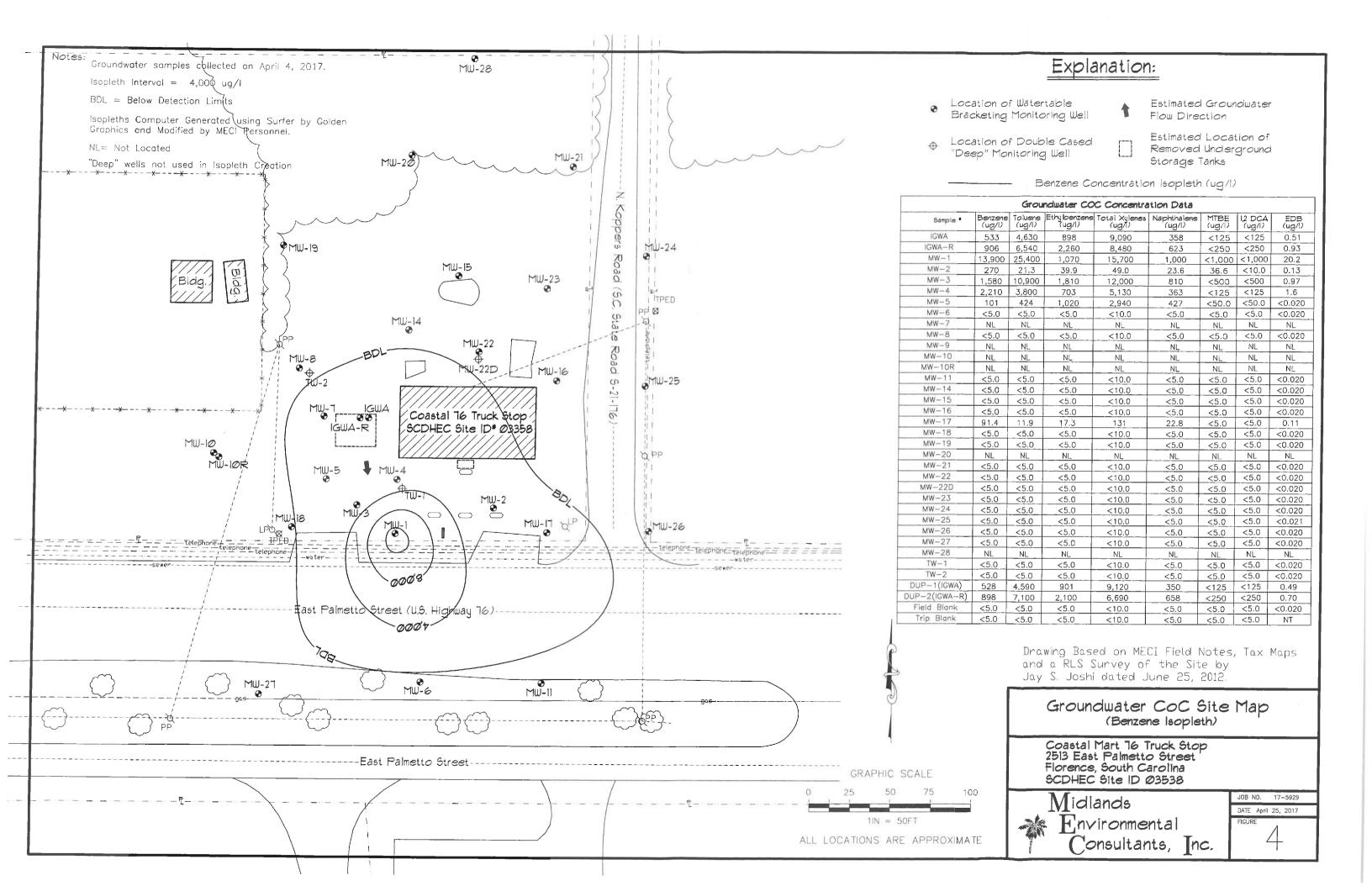
^{9. &}quot;J" values report concentrations above the method detection limits (MDL) and below actual reporting limit (RL).
10. NT = Not Tested

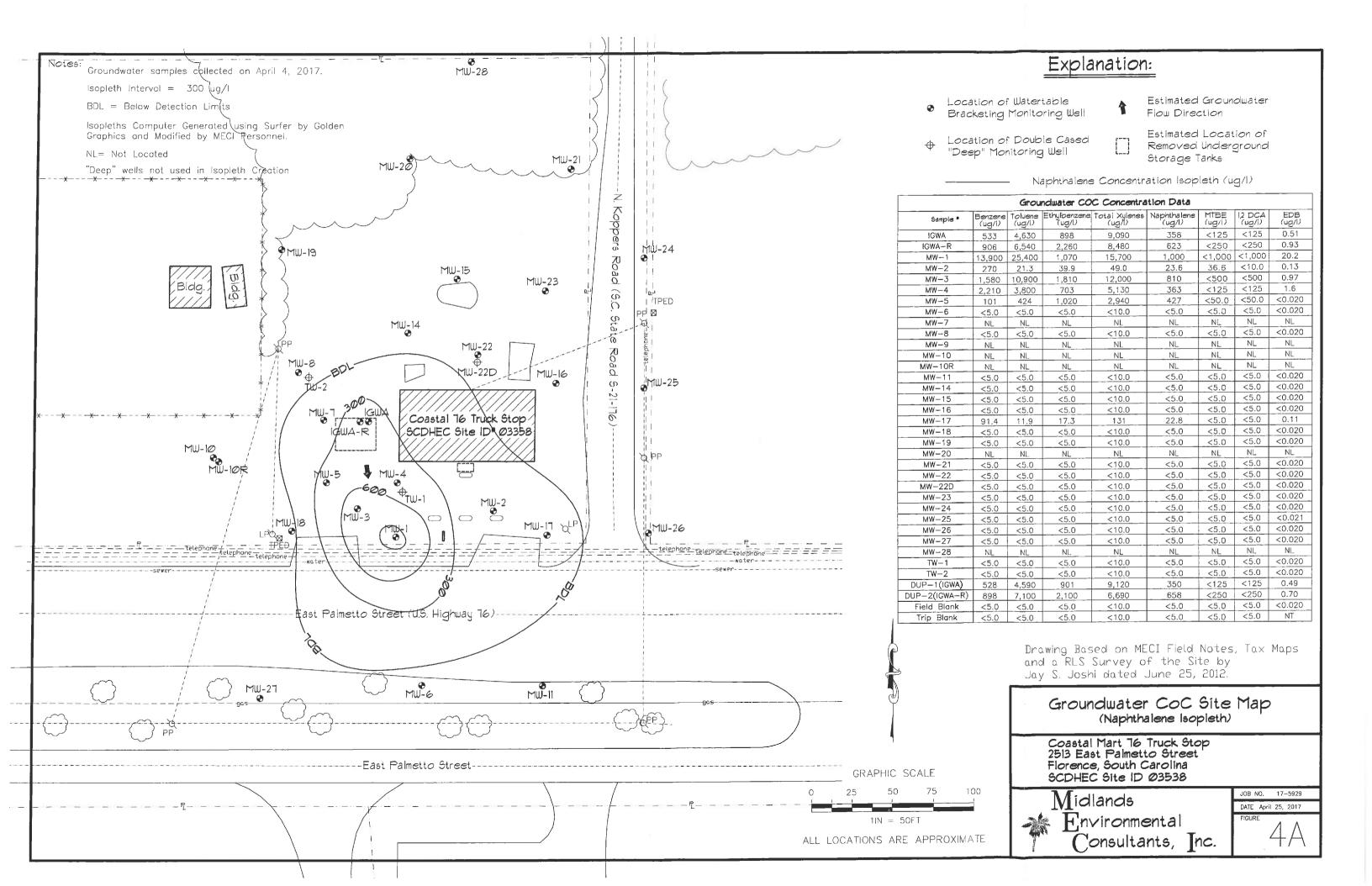
^{11.} NS = Not Sampled

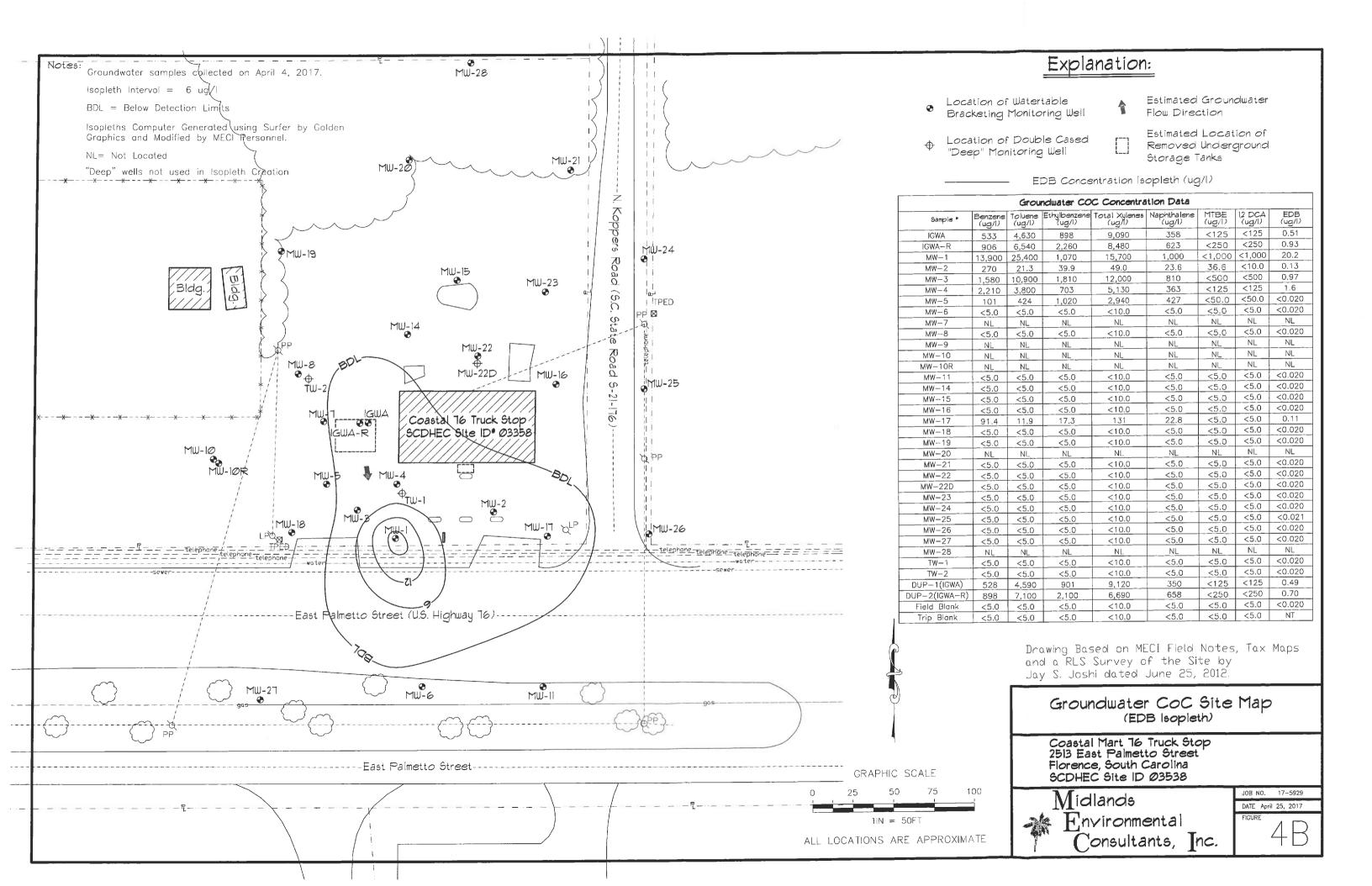


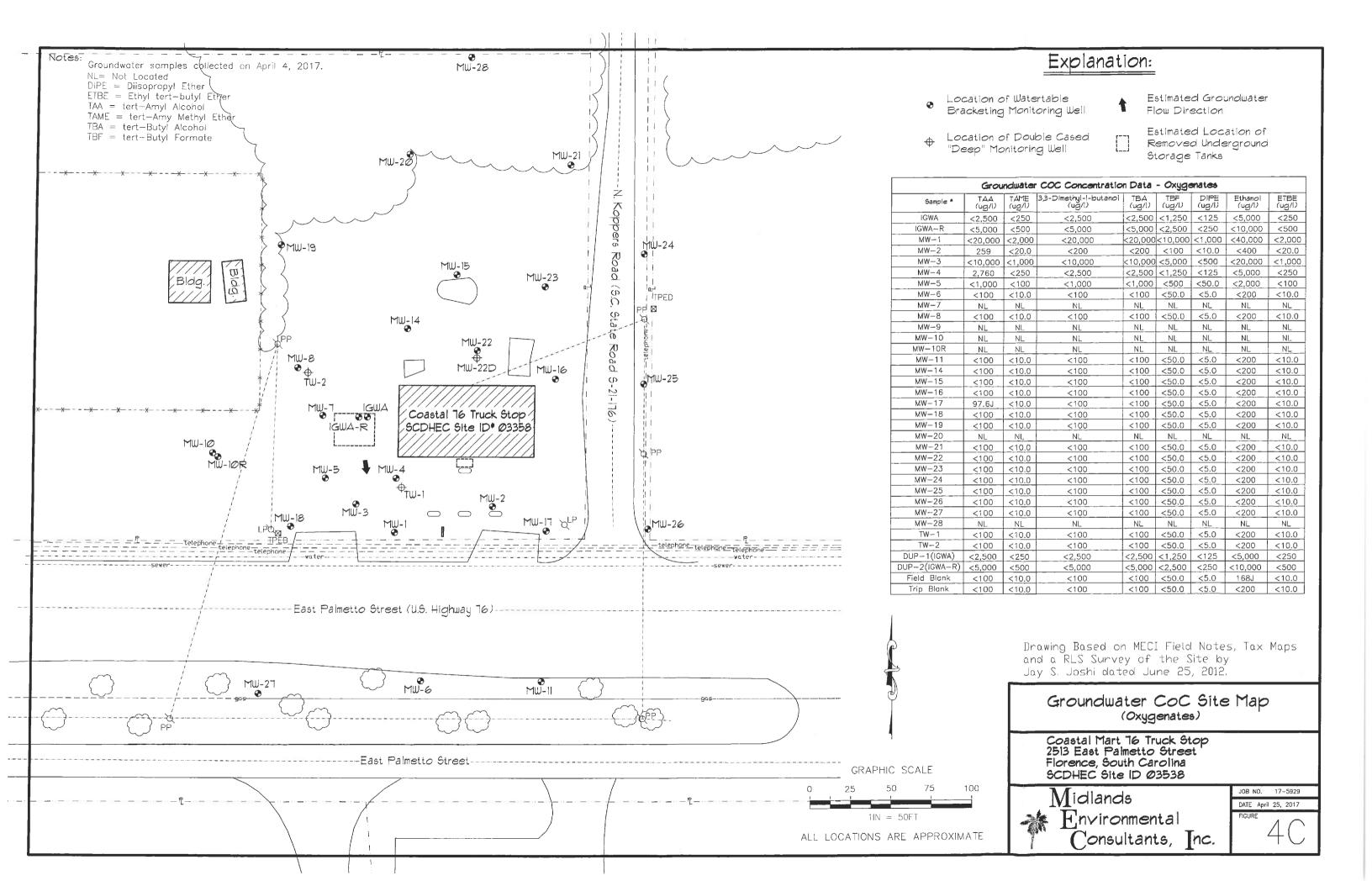


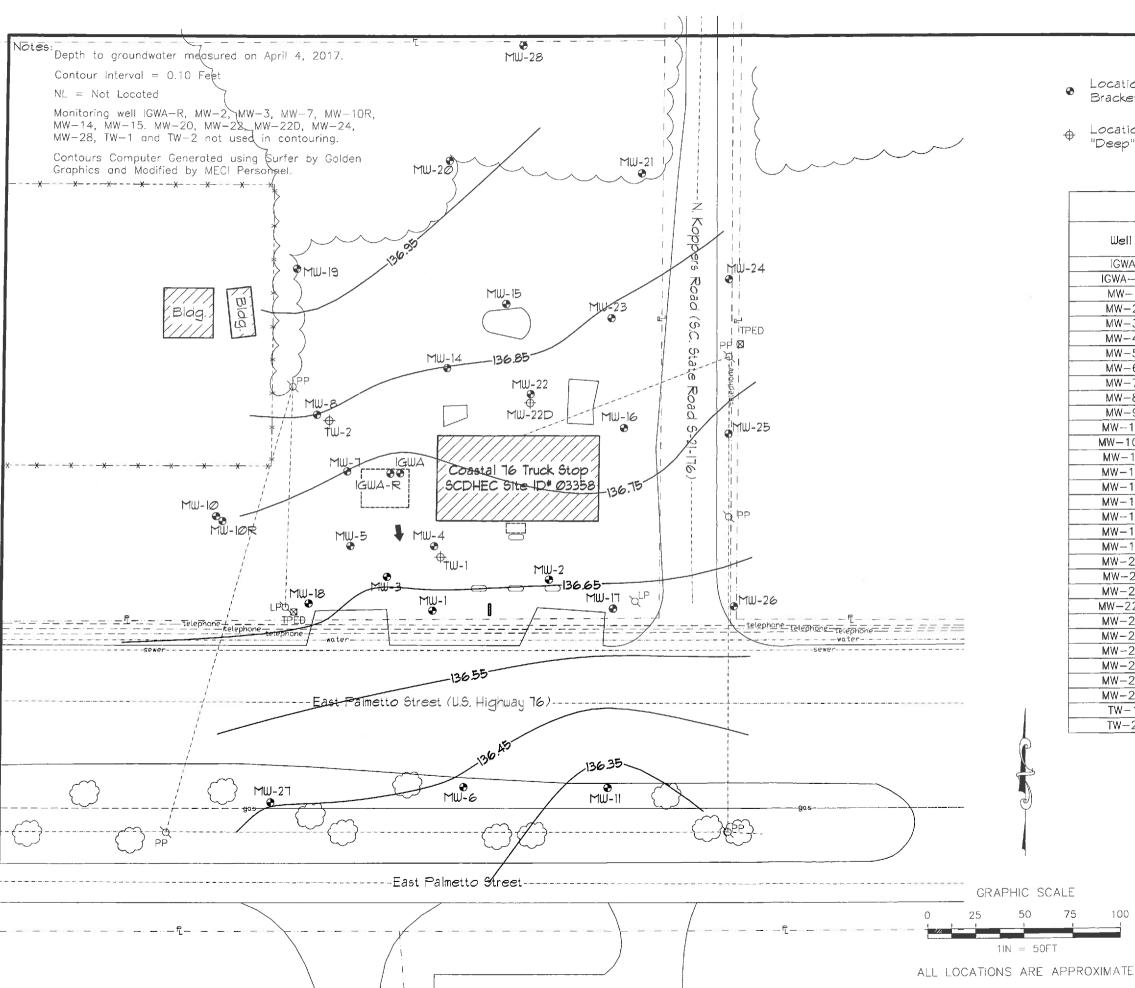












Explanation:

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 Elevation Contour (feet)

	Potentio	ometric D	ata	
Well #	Screened Interval (ft)	Depth to Water (ft)	Well Head Elevation	Groundwater Elevation
IGWA	TD: 16.74	8.48	145.19	136.71
IGWAR	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 Ø3538

 \mathbf{M} idlands Environmental Consultants, Inc.

JOB NO. 17-5929 DATE April 25, 2017

APPENDIX A:

SITE SURVEY (Not Applicable)

APPENDIX B: SAMPLING LOGS, LABORATORY DATA SHEETS, & CHAIN-OF-CUSTODY FORMS

County:		Site ID #:	ļ	3538	Site Name:	Coastal Tr	uck Stop 76	Field Personnel:	P.Wylie, J. Phillips,	C. Phillips, C. Ha
County:	Florence	Project Manager:	Kyle	Patterson	General Weather Conditions:	CI	еаг	Ambient Air Temp (°F):	 	B5
					Quality Assurance					
	ter Name	Ser	rial #:				Callbration:			
	ecific Conductivity, Temp.)	15H1	101448	pH 4.0: Y or N	Υ .	pH 7.0: Y or N	Y	pH 10.0; Y or N	Y	S.C.: Yor
	Dissolved Oxygen)	12G1	102878	Y or N	Y	<u> </u>			<u> </u>	N
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y	
					Well Information				•	Li
	Well ID: Sample Type: (i.e. MW, IW, RW, WSW) Depth to Free Product (DFP) (ft.):		IGWA C		meter (ft.): (C): 1" well = 0.047, 2" 4" well = 0.652	0.	163	Method of Purging/Sample Collection	Ba	aîler
			1W	Screened	Interval (ft.):	6.74-	16.74	Total Well Depth (TWD) (ft.):	16	.74
			ND Depth to Ground		dwater (DGW) (ft.):	water (DGW) (ft.): 8.48		Free Product Thickness (ft.);	Not Detected	
Length of (LWC = TV	Length of water column (LWC = TWD – DGW) (ft.):		26	1 casing volume (C	:V = LWC x C) (gals.):	1.:	35	5 casing volumes (5 x CV) (gais.):	6.	73
	CONTRACTOR SECTION SEC				Purging Data	Sala Superior Superior	Of gary fight A condition in the	x ov) (gais.).		_
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	
<u> </u>	Volume Purged (gallons)		0.00	1.35	2.69	4.04	5.39	6.73	Post	Sampling
	Time (military)		11:46							
	PH (s.u.)		5.77							
	ecific Conductivity (µS/cm)	162.5							
	Water Temperature (°C)		19.6							
	Dissolved Oxygen (mg/L)		1.02							
	Turbidity (NTU)		25.16							
CILIA DE MINISTERIO DE MINISTE	All the seems to a	- E-10 - 45 20 10 (A) 17 5 15 1	we relighter by		Sampling Data	an and thing is a second			Face and the contract of the c	
Sampled By:	P.Wylie, J. Phillips, C. Phi	illips, C. Hansen	Sampling Time:	11:46	Duplicate: Y or N	Y	If yes, Duplicate Time:	11:47	Total Gallons Purged:	0.00
					Odor			<u> </u>		
-	· · · · · · · · · · · · · · · · · · ·				No Purge Sample Colle					
-					Duplicated as Dup-					

County:	Florence	Site ID #:		03538	Site Name:	Coastal Tr	ruck Stop 76	Field Personnel:	P.Wylie, J. Phillips,	C. Phillips, C. I.	
	Florence	Project Manager:	Kyle	Patterson	General Weather Conditions:	C	lear	Ambient Air Temp (°F):		85	anse
	eter Name		ESERTE VERNI DA SER TIL ESER		Quality Assurance			254 (C. 25 R. F. C. 12 2 S. C. 4 - 15 C. 10 A. 1			
		Se	rial #: 				Calibration:				
	pecific Conductivity, Temp.)	15H	101448	pH 4.0: Y or N	Y	pH 7.0: Y or N	Y	-1140.5 ***		Too. 1	_
	(Dissolved Oxygen)	12G	102878	Y or N	Ÿ			pH 10.0: Y or N	Y	S.C.: Y or N	Υ
MicroTP	/TPW (Turbidity)	2013	301183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	40.6 1171			
		gradient of the			Well Information	Parameter State Communication	1979 - Loans Tall	10.0 NTU: Y or N	Y		
·	Well ID:	IGV	VA-R	Conversion Factor (meter (ft.): (C): 1" well = 0.047, 2" 4" well = 0.652	0.1	63	Method of Purging/Sample Collection	Ba	ailer	
	.e. MW, IW, RW, WSW)	N.	/IW	Screened	Interval (ft.):	11-	-21	Total Well Depth (TWD) (ft.):	2	21	
	Product (DFP) (ft.):	^	ND	Depth to Ground	lwater (DGW) (ft.):	3.8	52	Free Product Thickness (ft.):	Not Detected		_
Length c (LWC = T	Length of water column (LWC = TWD – DGW) (ft.):		2.48	1 casing volume (C	V = LWC x C) (gals.):	2.0	13	5 casing volumes (5			
			10 (m) 1 (m)		Purging Data			x CV) (gals.):	10	.11	
			Initial	1st Vol.	2nd Vol.	3rd Vol.	44. 14. 4	The state of the s			
	Volume Purged (gallons)		0.00	2.03	4.07	6.10	4th Vol. 8.14	5th Vol.	Post	Samplin	g
	Time (military)		11:51	11:53	11:55	11:58	12:02	10.17			
	PH (s.u.)		5.66	5.73	5.77	5.75	5.74	12:05			
	ecific Conductivity (µS/cm))	142.5	144.6	149.0	148.7	149.1	5.74			
	Water Temperature (°C)		20.2	20.6	20.8	20.9	20.9	148.6			
	Dissolved Oxygen (mg/L)		0.81	0.85	1.01	0.98	0.99	0.96			_
See See See See See	Turbidity (NTU)	ENSON MANAGEMENT	19.81	68.21	73.34	124.20	81.22	51.93			
Sample of S	Disc				Sampling Data			1.00			
Sampled By: s:	P.Wylie, J. Phillips, C. Phill	llips, C. Hansen	Sampling Time:	12:05	Duplicate: Yor N	Y	If yes, Duplicate Time:	12:06	Total Gallons Purged:	11.00	
					Odor Duplicated as Dup-2						
-					Privated as Dup-2						

	4/4/2017	Site ID #:	0	03538	Site Name;	Coastal Tri	ruck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C. Phillips, C. Hans	
County:	Florence	Project Manager:	Kyle	Patterson	General Weather Conditions:	Cle	ear	Ambient Air Temp (°F):	 	
AND CARROLLES CALLEY			And the second		Quality Assurance		AT THE STATE OF THE STATE OF	AUX STATE HARROWS TO THE SECONDARY	#44 W 2011 W 201	5
	ter Name	Ser	rial #:				Calibration:	A SECTION OF THE PROPERTY.		Application of the second
	ecific Conductivity, Temp.)	15H1	1101448	pH 4.0: Y or N	Y	pH 7.0: Y or N	Y	pH 10.0; Y or N	Y	S.C.: Yor
	Dissolved Oxygen)	12G1	102878	Y or N	Y			pri 10.0. 7 0, 1.		N
MicroTPI/T	TPW (Turbidity)	2013	301183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Y	
					Well Information	AND WELL SERVICES		10.01410. 10. 14	,	
	Type: (i.e. MW, IW, RW, WSW)		IW-1	Well Dian Conversion Factor (C	meter (ft.): (C): 1" well = 0.047, 2" 4" well = 0.652	0.16	63	Method of Purging/Sample Collection	Bail	ailer
			WW	Screened I	Interval (ft.):	7.80 - 1	17.80	Total Well Depth (TWD) (ft.):	17	7.8
		er column		Depth to Ground	dwater (DGW) (ft.):	9.29		Free Product Thickness (ft.):	Not Det	etected
Length of t	Length of water column (LWC = TWD – DGW) (ft.):		3.51	1 casing volume (C'	CV = LWC x C) (gals.):	1.39	39	5 casing volumes (5 x CV) (gals.):	6.9	.94
	Control to Want to the last of				Purging Data		ENTROPIC PROPERTY	X GV/ (gais.).		
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	A SAME TO SAME	
v	Volume Purged (gallons)		0.00	1.39	2.77	4.16	5.55	6.94	Post	Sampling
<u></u>	Time (military)		12:36					0.54		
	PH (s.u.)		5.86							
Spe	ecific Conductivity (µS/cm,	n)	125.2					+		
v	Water Temperature (°C)		20,3							
D	Dissolved Oxygen (mg/L)		0.68							
	Turbidity (NTU)		15.64					-		
			50°00 A THE STATE OF THE SEC	Activities and a second	Sampling Data	AT 46 BY BURNEY OF STREET	Association and the second			
Sampled By:	P.Wylie, J. Phillips, C. Phil	iillips, C. Hansen	Sampling Time:	12:36	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A T	Total Gallons Purged:	0.00
-					Odor					
-					No Purge Sample Collec					
_				Pet	roleum Sheen observed	d on Viele				

		Site ID #:		03538	Site Name:	Coastal Tr	ruck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C. Phillips, C. Han	
County:	Florence	Project Manager:	Kyle	e Patterson	General Weather Conditions:	CI		Ambient Air Temp (°F):	 	85
	A STATE OF THE STA	有关系是不是,可以是EW		ARREST HERE	Quality Assurance			A CONTROL OF THE SERVICE OF	# 19/10/01/PT PELVENCY COLUMN	J
	eter Name	Ser	erial #:				Calibration:		Control was to the server	
	pecific Conductivity, Temp.)	15H′	1101448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N		S.C.: Yor
Y\$1 Pro 20 (1	(Dissolved Oxygen)	12G	6102878	Y or N	Y			pri to.u. i oi iv	Y	N N
MicroTPI/	I/TPW (Turbidity)	2017	301183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N Y		ACCUTE Was At		
					Well Information	APACATO SALUES SALUES	access to the state of the stat	10.0 NTU: Y or N	Y	1
r	Well ID:			Well Diam	meter (ft.):			A Market Market		
	pth to Free Product (DFP) (ft.):		1W-2	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652 Screened Interval (ft.):		0.163 8.30-18.30		Method of Purging/Sample Collection	Bail	iller
Sample Type: (i.			MW					Total Well Depth (TWD) (ft.):	18.3	
			ND	Depth to Groundw	water (DGW) (ft.):	7.9	95	Free Product Thickness (ft.):	Not Detected	
Length of (LWC = T)	of water column WD – DGW) (ft.):	10	10.35 1 casing volum		pe (CV = LWC x C) (gals.):		69	5 casing volumes (5		
		MEDICAL SERVICE			Purging Data			x CV) (gals.):	L	4
		,	Initial	1st Vol.	I					
	Volume Purged (gallons)		0.00		2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
	Time (military)		12:06	1.69	3.37	5.06	6.75	8.44	·	
	PH (s.u.)		 	12:08	12:10	12:12	12:14	12:17		
Sı	Decific Conductivity (µS/cm		6.17	6.27	6.31	6.29	6.30	6.31		
		"	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		
L	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		
T		CONTRACTOR OF THE			Sampling Data	American		An Colored Victoria		
Sampled By:	P.Wylie, J. Phillips, C. Phi	illips, C. Hansen	Sampling Time:	12:36	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A 7	Total Gallons Purged:	9.00
					Odor			<u> </u>		

	4/4/2017	Site ID #:	0	03538	Site Name:	Coastal Tri	ruck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C. Phillips, C. Hans	
County:	Florence	Project Manager:	Kyle	Patterson	General Weather Conditions:	Cl	lear	Ambient Air Temp (°F):	-	85
	A 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ATTION OF THE REAL PROPERTY.	ACTOR SECTION		Quality Assurance		Anton Marketon	Acquisian and a same of	ALEST DELIVER DELIVERY	
	ter Name	Seri	rial #:				Calibration:		Miles Parent Story	
il Pro1030 (pH, Spec	ecific Conductivity, Temp.)	15H1	1101448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Υ [5	S.C.: Yor
YSI Pro 20 (Di	Dissolved Oxygen)	12G1	102878	Y or N	Y					N
MicroTPI/T	PW (Turbidity)	2013	301183	0.0 NTU: Yor N	Y	1.0 NTU: Y or N	Y	10.0 NTU: Y or N	Y	
					Well Information			A de la la companya de la companya d	AND AND ASSESSMENT OF THE PARTY	
W	Well ID: Sample Type: (i.e. MW, IW, RW, WSW) Depth to Free Product (DFP) (ft.): Length of water column		1W-3	Well Diam Conversion Factor (C	meter (ft.): (C): 1" well = 0.047, 2" 4" well = 0.652	0.16	163	Method of Purging/Sample Collection	Baile	iller
Sample Type: (i.e			MW		I Interval (ft.): 8.20-18.20		18.20	Total Well Depth (TWD) (ft.):	18.2	3.2
			ND	ND Depth to Groundwa		fwater (DGW) (ft.): 8.73		Free Product Thickness (ft.):	Not Det	etected
			9.47	1 casing volume (C)	CV = LWC x C) (gals.):	1.5	54	5 casing volumes (5 x CV) (gals.):	7.72	.72
	A STATE AND STATE				Purging Data					
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
v	Volume Purged (gallons)		0.00	1.54	3.09	4.63	6.17	7.72		
	Time (military)	,	11:47				<u> </u>			
	PH (s.u.)		5.99							
Spe	ecific Conductivity (µS/cm	m)	209.4							
	Water Temperature (°C)		21.7							
D	Dissolved Oxygen (mg/L)	,	0.86							
	Turbidity (NTU)		42.18							
	(3/4) (1) (40) (4) (4) (4) (4)			Az iz i je za se se se se	Sampling Data	AND SECTION		#3753444 (10 #32) (442-11) SV		
Sampled By:	P.Wylie, J. Phillips, C. Ph	hillips, C. Hansen	Sampling Time:	12:36	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A 1	Total Gallons Purged:	0.00
ites:					Odor	L				
L.					No Purge Sample Colle	rected				

		Site ID #:		03538	Site Name:	Coastal Trui	ck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C. Phillips, C. H		
County:	Florence	Project Manager:	Kyle f	Patterson	General Weather Conditions:	Clea	ear	Ambient Air Temp (°F):	85		
		ART WAS BOX TO SHARE			Quality Assurance		表色的		ASTICKENS INC. TAS. V	Albania and construction	
	ter Name	Ser	rial #:		-		Calibration:	A CONTRACTOR OF THE PARTY OF TH	-		
I Pro1030 (pH, Spe	ecific Conductivity, Temp.)	15H1	1101448	pH 4.0: Y or N	Y	pH 7.0; Y or N	Υ	pH 10.0: Y or N	Y	S.C.: Yor	
YSI Pro 20 (D	Dissolved Oxygen)	12G ⁴	102878	Yor N	Y					N 1	
MicroTPI/1	TPW (Turbidity)	2013	301183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Y		
		Aleta Print Advantage			Well Information	and the state of		ASSESSED SELECTION		A CONTRACTOR OF THE	
	Well ID: nple Type: (i.e. MW, IW, RW, WSW)		MW-4		ameter (ft.): (C): 1" well = 0.047, 2" 4" well = 0.652	0.163		Method of Purging/Sample Collection	Baile	ler	
Sample Type: (i.e	mple Type: (i.e. MW, IW, RW, WSW) Depth to Free Product (DFP) (ft.):		MW	Screened I	Interval (ft.):	8,35-1	18.35	Total Well Depth (TWD) (ft.):	18.3	.35	
	Depth to Free Product (DFP) (ft.): Length of water column		NĐ	Depth to Ground	dwater (DGW) (ft.):	8.86		Free Product Thickness (ft.): Not E		Not Detected	
	Length of water column (LWC = TWD – DGW) (ft.):		9.49	1 casing volume (C	CV = LWC x C) (gals.);	1.55		5 casing volumes (5 x CV) (gals.):	7.73	73	
R. S. H. FORMAN	A Control of the second		Republican Paleston		Purging Data		Analigation				
		· · · · · · · · · · · · · · · · · · ·	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								
Spe	ecific Conductivity (μS/cn	m)	212.8				·				
	Water Temperature (°C)	·-	21.4								
	Dissolved Oxygen (mg/L)		0.86			1					
	Turbidity (NTU)		41.70								
	AND THE RESERVE OF THE PARTY OF				Sampling Data		ASTRONOMY STREET	45,4640,464,644,644			
Sampled By:	P.Wylie, J. Phillips, C. Pr	hillips, C. Hansen	Sampling Time:	12:14	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A 7	Total Gallons Purged:	0.00	
-					Slight Odor						
_					No Purge Sample Colle	cted					

	4/4/2017	Site ID #:		3538	Site Name:	Coastal Tn	uck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C). Phillips, C. Hans
County:	Florence	Project Manager:	Kyle i	Patterson	General Weather Conditions:	CI	ear	Ambient Air Temp (°F):		35
		THE PROPERTY OF SHIP			Quality Assurance	# 25 CASE				
	ter Name	Sen	ial #:			A STATE OF THE STA	Calibration:			
	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0; Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor
	Dissolved Oxygen)	12G1	102878	Y or N	Y				L	N
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Υ	
TO SERVE OF THE BOTH				a same of the	Well Information				S1: GPM Whitesame	Mittroscop to tente
	Veli ID:	M	W-5	Conversion Factor (meter (ft.): (C): 1" well = 0.047, 2" 4" well = 0.652	0.1	163	Method of Purging/Sample Collection	Bai	iler
	e. MW, IW, RW, WSW)		1100	Screened	interval (ft.):	8.29-	18.29	Total Well Depth (TWD) (ft.):	18.	29
	Product (DFP) (ft.);		ND	Depth to Ground	dwater (DGW) (ft.):	8,8	45	Free Product Thickness (ft.):	Not Detected	
Length of (LWC = TV	water column VD – DGW) (ft.):	9.	84	1 casing volume (C	CV = LWC x C) (gals.):	1.6	60	5 casing volumes (5 x CV) (gals.):	8.0	12
et separation.					Purging Data		and the second	7.5	CONTRACTOR OF THE	Care Control of the
			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							
Sp.	Specific Conductivity (µS/cm) Water Temperature (°C) Dissolved Oxygen (mg/L)		237.4					1		
			19.6							
			0.78					 		
Control of the Contro	Turbidity (NTU)		36.75					 		
A STANKE BELLEVILLE		n de en la companya de la companya d			Sampling Data	racing sylphyranas	CAPTER PROPERTY.			236002 AV 25000
Sampled By:	P.Wylie, J. Phillips, C. Ph	illips, C. Hansen	Sampling Time:	11:27	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
es:					Slight Odor				•	
-					No Purge Sample Colle	cted		 		
_										

Date:	4/4/2017	Site ID #:	00	3538	Site Name:	Coastal Tru	ıck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C	C. Phillips, C. Hans
County:	Florence	Project Manager:	Kyle F	Patterson	General Weather Conditions:	Cle	ear	Ambient Air Temp (°F):		
					Quality Assurance					
Me	ter Name	Seri	ial #:		29		Calibration:		<u> </u>	
SI Pro1030 (pH, Sp	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Y or N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor
Y\$! Pro 20 (!	Dissolved Oxygen)	12G1	02878	Y or N	Y			<u> </u>		N T
MicroTPI/	TPW (Turbidity)	2013/	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Υ	10.0 NTU: Y or N	Y	
					Well Information		Page 10 Carlon			STOCKED CHARLES AND AND
	Nell ID:	MV	N-6	Conversion Factor	meter (ft.): (C): 1" well = 0.047, 2" 4" well = 0.652	0.1	63	Method of Purging/Sample Collection		iler
Sample Type: (i.	e. MW, IW, RW, WSW)	M	IW	Screened	interval (ft.):	8.29-	18.29	Total Well Depth (TWD) (ft.):	18.29	
	Product (DFP) (ft.):	N	ID	Depth to Groun	dwater (DGW) (ft.):	9.6	60	Free Product Thickness (ft.):	Not De	tected
Length of (LWC = T)	f water column ND – DGW) (ft.):	8.	69	1 casing volume (C	CV = LWC x C) (gals.):	1,4	12	5 casing volumes (5 x CV) (gals.):	7.0)8
					Purging Data			Section of the section of	THE REST WE SHOW	(5) Aud - 6
			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				<u> </u>			
	PH (s.u.)		5.73			· · · · · · · · · · · · · · · · · · ·		<u> </u>		
Sp.	necific Conductivity (µS/cm	n)	77.9							
	Water Temperature (°C)		19.3							
	Dissolved Oxygen (mg/L)		1.82							
	Turbidity (NTU)		11.09							
					Sampling Data	Mini Sept. A. Jackson Doran		(2) (#=#3*XY)(##3##################################		NAME OF STREET
Sampled By:	P.Wylie, J. Phillips, C. Ph	nillips, C. Hansen	Sampling Time:	9:51	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
9S:			12	J	No Odor					
					No Purge Sample Coll	ected				
		*			a ge dample don	ec.140			_ 	

Date:	4/4/2017	Site ID #:	0:	3538	Site Name:	Coastal Tru	ıck Stop 76	Field Personnel:	P.Wylie, J. Phillips,	C. Phillips C. Hane
County:	Florence	Project Manager:	Kyle F	atterson	General Weather Conditions:	Cle	ear	Ambient Air Temp (°F):		35
					Quality Assurance			SATE OF THE PARTY		
Me	ter Name	Sen	ial #:			emperate or displayment and the first	Calibration:			
SI Pro1030 (pH, Sp	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Y or N	Y	pH 7.0: Yor N	Y	pH 10.0: Y or N	Y	S.C.: Yor
YSI Pro 20 (I	Dissolved Охудел)	12G1	02878	Y or N	Y				L	N
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y	
				THE YORK WALKERS	Well Information					Field (Least) States Field
1	Veil ID:	M	W-7	Conversion Factor	meter (ft.): (C): 1" well = 0.047, 2" 4" well = 0.652	0.1	63	Method of Purging/Sample Collection	Ва	iler
Sample Type: (i.	e. MW, IW, RW, WSW)	N	1W	Screened	Interval (ft.);	8.38-	18.38	Total Well Depth (TWD) (ft.):	18	.38
Depth to Free	Product (DFP) (ft.):	N	ND	Depth to Groun	dwater (DGW) (ft.):	N	IL	Free Product Thickness (ft.):	Not D	etected
	f water column ND – DGW) (ft.):	#VA	LUE!	1 casing volume (C	CV = LWC x C) (gals.):	#VAI	LUE!	5 casing volumes (5 x CV) (gals.):	#VA	LUE!
				17 14 MARIE 183	Purging Data	The Age of the Age of the				hardra that a charles and
			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							
Sį	ecific Conductivity (μS/cr	n)	NL				· · · · · · · · ·			
	Water Temperature (°C)		NL							
	Dissolved Oxygen (mg/L)		NL							
	Turbidity (NTU)	-	NL							
	PER SERVE STATES	CARLETO WARRES			Sampling Data				10 mm = 200 mos = 200 mos	
Sampled By:	P.Wylie, J. Phillips, C. P.	hillips, C. Hansen	Sampling Time:	NL	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
tes:					NL= Not Located					
				Cove	ered by Dumpster full of					

	4/4/2017	Site ID #:	03	3538	Site Name:	Coastal Tru	ıck Stop 76	Field Personnel:	P.Wylie, J. Phillips,	C. Phillips, C. Han
County:	Florence	Project Manager:	Kyle F	atterson	General Weather Conditions:	Cle	ear	Ambient Air Temp (°F):		85
				90.00	Quality Assurance				engelikan kroking analisi	
Mete	er Name	Seri	ial #:				Calibration:			
Pro1030 (pH, Spe	cific Conductivity, Temp.)	15H1	01448	pH 4.0: Y or N	Υ	pH 7.0: Y or N	Υ	pH 10.0: Y or N	Y	S.C.: Y or
YSI Pro 20 (D	issolved Oxygen)	12G1	02878	Y or N	· Y			<u> </u>		N
MicroTPI/T	PW (Turbidity)	2013	01183	0.0 NTU: Y or N	Y	1.0 NTU: Yor N	Υ	10.0 NTU: Y or N	Y	
					Well Information	Filter Volume				NETH SOLUTION
W	/ell ID:	M\	N-8	Conversion Factor	meter (ft.): (C): 1" well = 0.047, 2" 4" well = 0.652	0.1	63	Method of Purging/Sample Collection	Ва	ailer
Sample Type: (i.e	. MW, IW, RW, WSW)	. N	1W	Screened	Interval (ft.):	8.29-	18.29	Total Well Depth (TWD) (ft.):	18	3.29
	Product (DFP) (ft.):	N	ND	Depth to Ground	dwater (DGW) (ft.):	6.	93	Free Product Thickness (ft.):	Not D	etected
	water column /D – DGW) (ft.):	11	.36	1 casing volume (C	V = 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		
Spo	ecific Conductivity (µS/ci	m)	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		
Ĺ	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. P	Phillips, C. Hansen	Sampling Time:	11:58	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	10.00
ıs;				<u> </u>	No Odor					

Date:	4/4/2017	Site ID #:	0	3538	Site Name:	Coastal Tr	uck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C	. Phillips, C. Hanse
County:	Florence	Project Manager:	Kyle F	Patterson	General Weather Conditions:	Cl	ear	Ambient Air Temp (°F):	8:	
See to of Court (1994)				Gride The Court	Quality Assurance					Been Chica a long
	eter Name	Sen	ial #: 				Calibration:			Vicinity Alexander
/SI Pro1030 (pH, Sp	pecific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Yor N	Y	pH 10.0: Y or N	Y	S.C.: Yor
YSI Pro 20 (I	Dissolved Oxygen)	12G1	02878	Yor N	Y					N 1
MicroTPI/	/TPW (Turbidity)	2013	01183	0.0 NTU: Y or N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Y	
					Well Information		energy of the Continuous and the	Y - When the second was to have		All control of the control
	Well ID:	M	W-9	Conversion Factor (ameter (ft.): (C): 1" well = 0.047, 2" 4" well = 0.652	0.1	163	Method of Purging/Sample Collection		ler
Sample Type: (i.	i.e. MW, IW, RW, WSW)		1W	Screened	Interval (ft.):	8.33-	18.33	Total Well Depth (TWD) (ft.):	18.	33
	Product (DFP) (ft.):		ND	Depth to Ground	dwater (DGW) (ft.):	N	IL .	Free Product Thickness (ft.):	Not De	tected
	of water column WD ~ DGW) (ft.):	#VA	LUE!	1 casing volume (C	CV = LWC x C) (gals.):	#VAI	LUEI	5 casing volumes (5 x CV) (gals.):	#VAL	.UE!
					Purging Data		WARE THE STREET			
			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)									
a			NL							
Sp.	Specific Conductivity (µS/cm)		NL							
	Water Temperature (°C) Dissolved Oxygen (mg/L)		NL							
			NL							
			NL							
				Sampling Data	enting a survey agreement	tessenem produce	RESERVED THE STREET			
Sampled By:	P.Wylie, J. Phillips, C. Ph	ıillips, C. Hansen	Sampling Time:	NL.	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
otes:					NL=Not Located					
					Not on Provided Ma	ар				
								·		

Quality As Quality As A 4.0: Y or N Y or N Well Diameter (ft.): Version Factor (C): 1" well well = 0.16, 4" well = 0.0 Screened Interval (ft.) Depth to Groundwater (DG) Pasing volume (CV = LWC x	Y Y 1. Information (ft.): well = 0.047, 2" = 0.652 if (ft.): (DGW) (ft.): VC x C) (gals.):	0.16: NL #VALU	Calibration: Y Y 3	Ambient Air Temp (°F): pH 10.0; Y or N 10.0 NTU: Y or N Method of Purging/Sample Collection Total Well Depth (TWD) (ft.): Free Product Thickness (ft.):	Y Bai	S.C.: Yor
Y or N Y or N Well Diameter (ft.): Version Factor (C): 1" well well = 0.16, 4" well = 0.0 Screened Interval (ft.) Depth to Groundwater (DG) Pasing Volume (CV = LWC x	Y Y Y 1. Information (ft.): = 0.652 If (ft.): (DGW) (ft.): VC x C) (gals.):	0.16: 8.25-18	Y Y 3	pH 10.0: Y or N 10.0 NTU: Y or N Method of Purging/Sample Collection Total Well Depth (TWD) (ft.): Free Product	Y Bai	S.C.: Y or N
Y or N NTU: Y or N Well Diameter (ft.): version Factor (C): 1" well well = 0.16, 4" well = 0.0 Screened Interval (ft.) Depth to Groundwater (DG) esing volume (CV = LWC x	Y Y Information (ft.): = 0.647, 2" = 0.652 If (ft.): (DGW) (ft.): VC x C) (gals.):	0.16: 8.25-18	Y Y 3	10.0 NTU: Y or N Method of Purging/Sample Collection Total Well Depth (TWD) (ft.): Free Product	Y Bai	N S
Y or N NTU: Y or N Well Diameter (ft.): version Factor (C): 1" well well = 0.16, 4" well = 0.0 Screened Interval (ft.) Depth to Groundwater (DG) esing volume (CV = LWC x	Y Y Information (ft.): = 0.647, 2" = 0.652 If (ft.): (DGW) (ft.): VC x C) (gals.):	0.16: 8.25-18	Y 3	10.0 NTU: Y or N Method of Purging/Sample Collection Total Well Depth (TWD) (ft.): Free Product	Y Bai	N S
Well Info Well Diameter (ft.): version Factor (C): 1" well well = 0.16, 4" well = 0.0 Screened Interval (ft.) Depth to Groundwater (DG) esing volume (CV = LWC x	Y 1. Information (ft.): well = 0.047, 2" = 0.652 If (ft.): (DGW) (ft.): VC x C) (gals.):	0.163 8.25-18 NL	3.25	Method of Purging/Sample Collection Total Well Depth (TWD) (ft.): Free Product	Y Bai	iler
Well Infor Well Diameter (ft.): version Factor (C): 1" well well = 0.16, 4" well = 0.0 Screened Interval (ft.) Depth to Groundwater (DG) esing volume (CV = LWC x	Information (ft.): well = 0.047, 2" = 0.652 If (ft.): (DGW) (ft.): VC x C) (gals.):	0.163 8.25-18 NL	3.25	Method of Purging/Sample Collection Total Well Depth (TWD) (ft.): Free Product	Bai 18.	
Well Diameter (ft.): version Factor (C): 1" well well = 0.16, 4" well = 0. Screened Interval (ft.) Depth to Groundwater (DG) esing volume (CV = LWC x	(ft.): well = 0.047, 2" = 0.652 ol (ft.): (DGW) (ft.):	8.25-18 NL	3.25	Method of Purging/Sample Collection Total Well Depth (TWD) (ft.): Free Product	Bai 18.	
version Factor (C): 1" well well = 0.16, 4" well = 0. Screened Interval (ft.) Depth to Groundwater (DG) esing volume (CV = LWC x	well = 0.047, 2" = 0.652 al (ft.): (DGW) (ft.):	8.25-18 NL	3.25	Purging/Sample Collection Total Well Depth (TWD) (ft.): Free Product	18.	
Depth to Groundwater (DGI	(DGW) (ft.): VC x C) (gals.):	NL		(TWD) (ft.): Free Product		25
asing volume (CV = LWC x	VC x C) (gals.):				Net D.	
		#VALU			Not be	tected
Purging	CONTRACTOR OF THE PARTY OF THE		JE!	5 casing volumes (5 x CV) (gals.):	#VAL	.UE!
	ging Data		Mark to be selected	OTER VISITE EN LA	\$276 \$200 E/04E/03E	a sikoa walioz
1st Vol. 2nd	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
#VALUE! #VA	#VALUE!	#VALUE!	#VALUE!	#VALUE!		
	, 6		····			
						<u>-</u>
Sampling	pling Data				COAPerson Constitution	
		N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
NL=	NL=Not Located					
Not Hist	Historically Located	1	· · · · · · · · · · · · · · · · · · ·			
	NL Dup	NL=Not Located	NL Duplicate: Yor N N	NL Duplicate: Y or N N If yes, Duplicate Time:	NL Duplicate: Y or N N If yes, Duplicate N/A NL=Not Located	NL Duplicate: Y or N N If yes, Duplicate N/A Total Gallons Purged: NL=Not Located

Date:	4/4/2017	Site ID #:	00	3538	Site Name:	Coastal Tru	ick Stop 76	Field Personnel:	P.Wylie, J. Phillips, (C. Phillips, C. Han
County:	Florence	Project Manager:	Kyle F	Patterson	General Weather Conditions:	Cle	ear	Ambient Air Temp (°F):		5
					Quality Assurance					Market Day Sales
M	eter Name	Ser	ial #:				Calibration:	ti Michigan da ang an ang ang ang ang ang ang ang ang		
Si Pro1030 (pH, Sp	pecific Conductivity, Temp.)	15H1	01448	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
YSI Pro 20	(Dissolved Oxygen)	12G1	02878	Yor N	Y					N
MicroTP	/TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y	
					Well Information			SENERGE RUM	Brown Francisco Communication	Same and the same of
	Well ID:	MV	/-10R	Conversion Factor	ameter (ft.): (C): 1" well = 0.047, 2" 4" well = 0.652	0.1	63	Method of Purging/Sample Collection	Ва	iler
Sample Type: (i.e. MW, IW, RW, WSW)	N	1W	Screened	Interval (ft.):	1.61-	11.61	Total Well Depth (TWD) (ft.):	11	.61
Depth to Fre	e Product (DFP) (ft.):		ND	Depth to Groun	dwater (DGW) (ft.):	N	L	Free Product Thickness (ft.):	Not Do	etected
	of water column WD – DGW) (ft.):	#VA	ILUE!	1 casing volume (0	CV = LWC x C) (gals.);	#VAI	LUE!	5 casing volumes (5 x CV) (gals.):	#VA	LUE!
	45-94-320-120-120-120-120-120-120-120-120-120-1				Purging Data				100 m 170 m 2000 Kapania	
			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							
s	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. P	Phillips, C. Hansen	Sampling Time:	NL	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
es:					NL=Not Located					
 					nderneath Sheet Metal a					

Date:	4/4/2017	Site ID #:	0:	3538	Site Name:	Coastal Tr	uck Stop 76	Field Personnel:	P.Wylie, J. Phillips,	C. Phillips, C. Hans	
County:	Florence	Project Manager:	Kyle F	Patterson	General Weather Conditions:	CI	ear	Ambient Air Temp (°F):		85	
					Quality Assurance						
Me:	ter Name	Ser	ial #:				Calibration:			and the second	
SI Pro1030 (pH, Spe	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Y or N	Y	pH 7.0: Yor N	Y	pH 10.0; Y or N	Y	S.C.: Yor	
YSI Pro 20 (E	Dissolved Oxygen)	12G1	02878	Y or N	Y					N	
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Y		
					Well Information	The state of the s	to de la valencia de la companya de la companya de la companya de la companya de la companya de la companya de	APPAY PARAMONES IN		TEST PER PER PER PER PER PER PER PER PER PER	
<i>v</i>	Vell ID:	MV	V-11	Conversion Factor	meter (ft.): (C): 1" well = 0.047, 2" 4" well = 0.652	0.	163	Method of Purging/Sample Collection	Ва	iller	
Sample Type: (i.	e. MW, IW, RW, WSW)	N	IW	Screened	interval (ft.):	8.42-	18.42	Total Well Depth (TWD) (ft.):	18	.42	
Depth to Free	Product (DFP) (ft.):		ND	Depth to Ground	dwater (DGW) (ft.):	9.	38	Free Product Thickness (ft.):	Not D	etected	
Length of (LWC = TV	water column VD – DGW) (ft.):	9	04	1 casing volume (C	CV = LWC x C) (gals.):	1.	47	5 casing volumes (5 x CV) (gals.):	7.	37	
					Purging Data					51.75 Sec. (1.00-10)	
			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								
Sp	ecific Conductivity (µS/cn	n)	50.3								
	Water Temperature (°C)		20.0								
	Dissolved Oxygen (mg/L)		3.25								
	Turbidity (NTU)		16.81				<u> </u>				
			UNITED BETWEEN THE	eg gamelan indiana je je	Sampling Data						
Sampled By:	P.Wylie, J. Phillips, C. Ph	hillips, C. Hansen	Sampling Time:	9:50	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00	
es:			<u> </u>	J	No Odor		11116.	L			
					<u></u> -						

Date:	4/4/2017	Site ID #:	03	3538	Site Name:	Coastal Tr	uck Stop 76	Field Personnel:	P.Wylie, J. Phillips, (C. Phillips, C. Ha
County:	Florence	Project Manager:	Kyle P	Patterson	General Weather Conditions:	Cl	ear	Ambient Air Temp (°F):		95
KEEL THAT SET					Quality Assurance					
	eter Name	Sen	al #:				Calibration:			
SI Pro1030 (pH, Sp	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Y or N	Y	pH 7.0: Y or N	Υ	pH 10.0: Yor N	Y	S.C.: Y or
YSI Pro 20 (Dissolved Oxygen)	12G1	02878	Yor N	Y		<u> </u>			
MicroTPI	/TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Υ	
	全代的原始 医原位线				Well Information		· · · · · · · · · · · · · · · · · · ·	Service of the second second		
,,,	Well ID:	MV	V-14	Conversion Factor (meter (ft.): 'C): 1" well = 0.047, 2" 4" well = 0.652	0.1	63	Method of Purging/Sample Collection	Ва	iler
Sample Type: (i.e. MW, IW, RW, WSW)	N		Screened	Interval (ft.):	8.29-	18.29	Total Well Depth (TWD) (ft.):	18	.29
Depth to Free	Product (DFP) (ft.):	٨	ID	Depth to Ground	lwater (DGW) (ft.):	7.	25	Free Product Thickness (ft.):	Not De	etected
	of water column WD – DGW) (ft.):	11	.04	1 casing volume (C	V = LWC x C) (gals.):	1.	80	5 casing volumes (5 x CV) (gals.):	9.	00
	罗勒地区的现在分词 大块				Purging Data					
·			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Samplin
	Volume Purged (gallons)	l	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		
S	oecific Conductivity (µS/c	m)	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		
			Communication of the	9 重量指数要求的最多	Sampling Data		Pulita Walanda		Karana a Parangan	
Sampled By:	P.Wylie, J. Phillips, C. I	Phillips, C. Hansen	Sampling Time:	10:40	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	9.00
es:					No Odor	·		1		
	_				 : <u>-</u> -					

Control Con	Note Note	Date:	4/4/2017	Site ID #:		03538	Site Name:	Coastal Truc	ck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C.). Phillips, C. Han
Mater Name	Meter Name	County:	Florence	Project Manager:	Kyle F	Patterson		Cle	ar	Ambient Air Temp (°F):	8	.5
Part Part	Port 1050 (ph, Specific Conductivity, Temp.) 15th101442 ph4.6; Yor N Y ph 17.6; Yor N Y ph 10.6; Yor N N N N N N N N N N			ALCOHOL: SECTION	数据是对于10		Quality Assurance				Chipsel State Minutes Inno	
YSI Pro 20 (Dissolved Oxygen) 125102878 Y or N Y Y or N Y Y N X N X X X X X X X	YSI Fro 20 (Dissolved Coyge) 12G102878 Yor N Y 1.0NTU: Yor N Y Y 1.0NTU: Yor N Y Y Y Y Y Y Y Y Y	Me	eter Name	Seri	ial #:				Calibration:			
No. No.	1/2 1/2	Pro1030 (pH, Sp	recific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Υ	pH 10.0: Y or N	Y	
Mell Display Mell Mel	Note	YSI Pro 20 (Dissolved Oxygen)	12G1	02878	Y or N	Y			<u> </u>		N
Note Note	Well ID: MNV-15 Conversion Fallot Con	MicroTPI	/TPW (Turbidity)	2013	:01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Υ	10.0 NTU: Y or N	Y	
Mell Delta Delta De	Well ID: MW-IE Sources in City: " well = 0.047, 2"			CONTROL BENEFIT OF THE			Well Information			CARL MANGEMENT OF THE PARTY.	Sign of the County of the County	P. A. Schurtz (A. A. M. F.)
Depth to Free Product (DFP) (ft.):	Depth to Free Froduct (DFP) (tt.): ND Depth to Groundwater (DGW) (tt.): 8.06 Free Product Thickness (tt.): Not Detected		Well ID:	MV	V-15	Conversion Factor (meter (ft.): (C): 1" well = 0.047, 2"	0.10	53	Purging/Sample	Bai'	ller
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.): 5 casing volumes (5 x CV) (gals.): 1.95 5 casing volumes (5 x CV) (gals.): 1.95 5 casing volumes (5 x CV) (gals.): 1.95 5 casing volumes (5 x CV) (gals.): 1.95 5 casing volumes (6 x CV) (gals.): 1.95 5 casing volumes (6 x CV) (gals.): 1.95 5 casing volumes (6 x CV) (gals.): 1.95 5 casing volumes (6 x CV) (gals.): 1.95 5 casing volumes (6 x CV) (gals.): 1.95 5 casing volumes (6 x CV) (gals.): 1.95 5 casing volumes (6 x CV) (gals.): 1.95 5 casing volumes (7 x CV) (gals.): 1.95 5 casing volumes (8 x CV) (gals.): 1.96 1.97 1.98 1.98 5 casing volumes (8 x CV) (gals.): 1.90 1.91 1.92 1.93 1.92 1.93 1.92 1.93 1.92 1.93 1.92 1.93 1.93 1.93 1.93 1.93 1.93 1.93 1.93 1.93 1.93 1.93 1.93 1.93 1.93 1.93 1.93 1.93 1.93	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.): 5 casing volumes (5 x CV) (gals.): 1.95 5 casing volumes (5 x CV) (gals.): 7 casing volumes (6 x CV) (gals.): 8 post of the last vol. 1 st Vol. 2 nd Vol. 2 nd Vol. 3 rd Vol. 4 th Vol. 5 th Vol. Post Sampli Volume Purged (gallons) 0.00 1.95 3.89 5.84 7.78 9.73 9.73 10.21 10.23 10.26 10.29 10.31 10.31 PH (s.u.) 5.86 5.92 5.95 5.93 5.93 5.93 5.94 98.71 98.71 83.0 82.9 82.6 98.26 Water Temperature (°C) 18.0 18.0 18.6 19.0 19.2 19.3 19.2 19.3 19.2 19.3 19.2 10.31 10.31 10.31 10.31 10.31 10.31 10.31 10.31 10.31 10.31 10.31 10.31 10.31 10.31 10.31 10.31 10.31 11.95 1.95 5 casing volumes (5 x CV) (gals.): 5 casing volumes (5 x CV) (gals.): 5 casing volumes (6 x CV) (gals.): 5 casing volumes (6 x CV) (gals.): 5 casing volumes (6 x CV) (gals.): 5 casing volumes (6 x CV) (gals.): 5 casing volumes (6 x CV) (gals.): 5 casing volumes (6 x CV) (gals.): 5 casing volumes (6 x CV) (gals.): 9 casing volumes (culture) 9 casing volumes (culture) 9 casing volumes (culture) 9 casing volumes (culture) 9	Sample Type: (i	.e. MW, IW, RW, WSW)	M	IW	Screened I	nterval (ft.):	10-7	20		20	
Length of water column (LWC = LWC x C) (gals.): 11.94 1 casing volume (CV = LWC x C) (gals.): 11.95 5 casing volumes (5 x CV) (gals.): x CV) (gals.): 5 casing volumes (6 x CV) (gals.): x CV) (gals.): 10.00 11.95 10.10 10.10 10.10 10.10 10.20 10.	Length of water column (LWC = TWC x C) (gals.): 1.94			N	1D	Depth to Ground	water (DGW) (ft.):	8.0	6		Not De	tected
Purying Data Purying Data Post Purying Data Post Purying Data Post Purying Data	Purying Data Purying Data Purying Data Post Purying Data Post Po	Length o (LWC = T	Length of water column (LWC = TWD – DGW) (ft.):		94	1 casing volume (C	V = LWC x C) (gals.):	1.9	.5		9.7	73
Volume Purged (gallons) 0.00 1.95 3.89 5.84 7.78 9.73 Sampling Time (military) 10:19 10:21 10:23 10:26 10:29 10:31 ————————————————————————————————————	Volume Purged (gallons) 0.00 1.95 3.89 5.84 7.78 9.73 Sampling Data Time (military) 10:19 10:21 10:23 10:26 10:29 10:31 ————————————————————————————————————						Purging Data					
Volume Purged (gallons) 0.00 1.95 3.89 5.84 7.78 9.73	Volume Purged (gallons) 0.00 1.95 3.89 5.84 7.78 9.73 3.89 Time (military) 10:19 10:21 10:23 10:26 10:29 10:31 10:31 PH (s.u.) 5.86 5.92 5.95 5.93 5.93 5.94 10:31 Specific Conductivity (μS/cm) 70.7 75.7 79.1 83.0 82.9 82.6 10:29 Water Temperature (°C) 18.0 18.6 19.0 19.2 19.3 19.2 19.3 Dissolved Oxygen (mg/L) 4.97 4.99 5.04 5.04 5.01 5.02 10.00 Turbidity (NTU) 25.57 98.71 133.7 122.00 108.6 86.47 10.00 Sampling Data Sampling Data Stage of the properties			^o urged (gallons)		1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Campling
Time (military) 10:19 10:21 10:23 10:26 10:29 10:31 10:31 10:31 PH (s.u.) 5.86 5.92 5.95 5.93 5.93 5.93 5.94 5.94 5.95 5.93 5.94 5.95 5.93 5.93 5.93 5.94 62.6 62.6 62.6 62.7	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 5.93 5.94 Securific Conductivity (µS/cm) 70.7 75.7 78.1 83.0 82.9 82.6 Water Temperature (°C) 18.0 18.6 19.0 19.2 19.3 19.2 19.3 19.2 Dissolved Oxygen (mg/L) 4.97 4.99 5.04 5.04 5.04 5.01 5.02 Turbidity (NTU) 25.57 98.71 133.7 122.00 108.6 86.47 F.Wylie, J. Phillips, C. Phillips, C. Hansen 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		Volume Purged (gallons)		0.00	1.95	3.89	5.84			7.031	
PH (s.u.) 5.86 5.92 5.95 5.93 5.93 5.94 Constitution Specific Conductivity (µS/cm) 70.7 75.7 79.1 83.0 82.9 82.6 Constitution Water Temperature (°C) 18.0 18.6 19.0 19.2 19.3 19.2 Constitution Dissolved Oxygen (mg/L) 4.97 4.99 5.04 5.04 5.01 5.02 Constitution Turbidity (NTU) 25.57 99.71 133.7 122.00 108.6 86.47 86.47 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	PH (s.u.) 5.86 5.92 5.95 5.93 5.93 5.94 Conductivity (μS/cm) 70.7 75.7 79.1 83.0 82.9 82.6 Conductivity (μS/cm) 82.6 Conductivity (μS/cm) 18.0 18.6 19.0 19.2 19.3 19.2 19.2 19.3 19.2 19.2 19.3 19.2 19.2 19.3 19.2 19.2 19.3 19.2 19.2 19.3 19.2 19.2 19.3 <td></td> <td>Time (military)</td> <td></td> <td>10:19</td> <td>10:21</td> <td>10:23</td> <td>10:26</td> <td></td> <td>+</td> <td></td> <td></td>		Time (military)		10:19	10:21	10:23	10:26		+		
Specific Conductivity (μS/cm) 70.7 75.7 79.1 83.0 82.9 82.6 ————————————————————————————————————	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 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		Time (military) PH (s.u.)		5.86	5.92	5.95	5.93		-		
Water Temperature (°C) 18.0 18.6 19.0 19.2 19.3 19.2 ————————————————————————————————————	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 5.04 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	Sį	PH (s.u.) Specific Conductivity (µS/cm)		70.7	75.7	79.1	83.0		 		
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 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 es:	Dissolved Oxygen (mg/L)		Water Temperature (°C)		18.0	18.6	19.0	19.2	19.3	 		
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	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 ps:	Dissolved Oxygen (mg/L)			4,97	4.99	5.04	5.04	5.01	5.02		
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 es:	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 es:		Turbidity (NTU)		25.57	98.71	133.7	122.00	108.6	86.47		
es: Duplicate: Y 07 N N/A Total Gallons Purged: 10.00	es: Daphicate: Y of N N Time: N/A Total Gallons Purged: 10.00	Early Town of History					Sampling Data					
			P.Wylie, J. Phillips, C. Ph	hillips, C. Hansen	Sampling Time:	10:31	Duplicate: Yor N	N		N/A	Total Gallons Purged:	10.00
		35;					No Odor					

	 	Site ID #:		3538	Site Name:	Coastal Tru	uck Stop 76	Field Personnel: P.Wylie, J. Phillips, C		C. Phillips, C. Hans
County:	Florence	Project Manager;	Kyle F	Patterson	General Weather Conditions:	Cle	ear	Ambient Air Temp (°F):		35
					Quality Assurance					Magnada na
Me	eter Name	Seria	al #:				Calibration:		HILL COMMENT OF THE STREET, 1800 - 180	
SI Pro1030 (pH, Sp	ecific Conductivity, Temp.)	15H10	01448	pH 4.0: Y or N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor
YSI Pro 20 (I	Dissolved Oxygen)	12G10	02878	Yor N	Y					N
MicroTPI/	TPW (Turbidity)	20130)1183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Υ	10.0 NTU: Y or N	Y	
					Well Information		STORE IN STREET		AND TO SELECT OF THE SECOND	
	Veil ID:	MW	<i>l</i> -16	Conversion Factor (meter (ft.): C): 1" well = 0.047, 2" 1" well = 0.652	0.1	63	Method of Purging/Sample Collection	Bai	iler
Sample Type: (i.	.e. MW, IW, RW, WSW)	M	<i>N</i>	Screened I	Interval (ft.):	11-	-21	Total Well Depth (TWD) (ft.):	2	1
	Product (DFP) (ft.):	N	D	Depth to Ground	lwater (DGW) (ft.):	7.5	51	Free Product Thickness (ft.):	Not De	tected
	f water column WD – DGW) (ft.):	13.	49	1 casing volume (C)	V = LWC x C) (gals.):	2.2	20	5 casing volumes (5 x CV) (gals.):	10.	.99
					Purging Data			A GV) (gais.y.	THE COMMENS OF THE CO	oes deserves des
· · · · · · · · · · · · · · · · · · ·			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		
Sp	pecific Conductivity (µS/cm	n)	171.3	170.2	170.7	170.2	169.7	169.3		<u></u>
	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	-		
	e pagging has a company		sterioti versi ete er i ni	ACTANOS NO AREA (COMO	Sampling Data	1.10,2	100.4	109.6		
Sampled By:	P.Wylie, J. Phillips, C. Ph	ıillips, C. Hansen	Sampling Time:	10:48	Duplicate: Y or N	N	If yes, Duplicate	N/A	Total Gallons Purged:	11.00
95:			······································		No Odor		Time:		Total danons Parged:	
										

				03538	Site Name:	Coastal Tru	ck Stop 76	Field Personnel:	P.Wylie, J. Phillips, (C. Phillips, C. Hans
County:	Florence	Project Manager:	Kyle f	Patterson	General Weather Conditions:	Cle	ar	Ambient Air Temp (°F):	 	85
				ATTENDED TO THE	Quality Assurance		ACTOR (SECTION SE	GRAZAST PANNER MENANYA PARA	A MEDITOR SCORE WATER	
	eter Name	Ser	rial #:				Calibration:			
	pecific Conductivity, Temp.)	15H	101448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor
YSI Pro 20 ([Dissolved Oxygen)	12G ⁻	102878	Yor N	Y	<u> </u>				N
MicroTPI/	/TPW (Turbidity)	2018	301183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Y	
A THE ADMINISTRATION		我们又是为这些	elinos pipersia		Well Information					
	Well ID:	M\	W-17	Well Dian Conversion Factor (C	meter (ft.): C): 1" well = 0.047, 2" I" well = 0.652	0.16	63	Method of Purging/Sample Collection	Ba	ailer
Sample Type: (i.	.e. MW, IW, RW, WSW)	Λ.	MW	Screened In	nterval (ft.):	11-3	21	Total Well Depth (TWD) (ft.):	21	
	Product (DFP) (ft.):	1	ND	Depth to Ground	water (DGW) (ft.):	8.4	16	Free Product Thickness (ft.):	Not Do	etected
Length of (LWC = TV	f water column WD – DGW) (ft.):	12	2.54	1 casing volume (CV	/ = LWC x C) (gals.):	2.0)4	5 casing volumes (5 x CV) (gals.):	10).22
					Purging Data		A Secretary of the land	on PER PROPERTY AND A SELV		
			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		
Sp	necific Conductivity (µS/cm	n)	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		
		NET THE RELEASE SERVICE		有表的 (1995年) 1995年 (1995年) 1995年 (1995年) 1995年 (1995年) 1995年 (1995年) 1995年 (1995年) 1995年 (1995年) 1995年 (1995年)	Sampling Data	e di probabile compo	An reacting this energy and	Mariette et septembre		
Sampled By:	P.Wylie, J. Phillips, C. Phi	ıillips, C. Hansen	Sampling Time:	11:03	Duplicate: Y or N	N	If yes, Duplicate Time;	N/A	Total Gallons Purged:	10.50
.63.					Slight Odor			<u> </u>		
										

	4/4/2017		Site ID #: 03538 Project Manager: Kyle Patterson		General Weather		Coastal Truck Stop 76		P.Wylie, J. Phillips, C. Phillips, C. Hans	
County:	Florence	Project Manager:					еаг	Ambient Air Temp (°F):	85	
					Quality Assurance					the second sales are a second
Me	eter Name	Seri	rial #:				Calibration:			
	pecific Conductivity, Temp.)	15H1	101448	pH 4.0: Y or N	Y	pH 7.0: Yor N	Y	pH 10.0: Y or N	Y	S.C.: Yor
	(Dissoived Oxygen)	12G1	12G102878		Y				N N	
MicroTPI/	/TPW (Turbidity)	2013	201301183		Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y	
					Well Information			(2.55) 1 (2.15) 1 A 1 (2.55) 1 (2.15)	English Committee and Committee of the	
Well ID:		MV	V-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)		M	MW		Screened Interval (ft.):		11-21		21	
	e Product (DFP) (ft.):	N.	ND	Depth to Groundwater (DGW) (ft.):		9.11		Free Product Thickness (ft.):	Not Detected	
	of water column WD – DGW) (ft.):	11	1.89 1 casing volume (CV		V = LWC x C) (gals.):	1.94		5 casing volumes (5 x CV) (gals.):	9.69	
	A SECTION OF THE SECTION	A SELECTION CONTRACTOR		(1) 中心主义(1) (2) (1) (4)	Purging Data					CHAVE STREET
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
	Volume Purged (gallons)	<u> </u>	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		
Sp	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. Ph	nillips, C. Hansen	Sampling Time:	11:25	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	10.00
es:					No Odor	1		1		
					 					

			Site ID #: 03538 roject Manager: Kyle Patterson		Coastal Fruck Stop 76		Coastal Truck Stop 76		P.Wylie, J. Phillips, C. Phillips, C. Hans	
County:	Florence	Project Manager:					ear	Ambient Air Temp (°F):		85
Yeliga Alwaysun					Quality Assurance	ATTEMENT		Application of the second	Annie z bezegstene gerug	Contract Contract
	eter Name	Seri	rial #:				Calibration:			
	ecific Conductivity, Temp.)	15H1	15H101448		Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	γ (5	S.C.: Yor
	Dissolved Oxygen)	12G1	12G102878		Y					N T
MicroTPI/7	TPW (Turbidity)	2013	301183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Y	
			在1917年表示1919年2月		Well Information	artistic full being	ALC MINISTER STATE OF		AND THE SECOND S	
	Well ID:	MV	W-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	
	.e. MW, IW, RW, WSW)	M'	MW Screened I		Interval (ft.):	2.12-12.2		Total Well Depth (TWD) (ft.):	12.12	
	Product (DFP) (ft.):	ND		Depth to Groundwater (DGW) (ft.):		6.68		Free Product Thickness (ft.):	Not Detected	
Length of (LWC = TV	f water column WD – DGW) (ft.):	5.	5.44		1 casing volume (CV = LWC x C) (gals.):		0.89		4.43	
	STATE OF STATE OF STATE				Purging Data			x CV) (gals.);	Alexandra de la major de la ma	
			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							
Spo	pecific Conductivity (μS/cm	n)	50.7							
	Water Temperature (°C)		18.3							
	Dissolved Oxygen (mg/L)		3,07							
Turbidity (NTU)			28.17							
		and the state of the state of	在10年,10年10年(1660年)		Sampling Data			ASSESS VANDES CONTRACTOR	A SECTION AND A SECTION	and the Control of th
Sampled By:	P.Wylie, J. Phillips, C. Phi	illips, C. Hansen	Sampling Time:	11:03	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A 7	Total Gallons Purged:	0.00
∂S; -					No Odor					
-					No Purge Sample Colle	ected				

		Site ID #: 03		3538 Site Name:		Coastal Truck Stop 76		Field Personnel:	P.Wylie, J. Phillips, C. Phillips, C. Hans	
County:	Florence	Project Manager:	Project Manager: Kyle P		Patterson General Weather Conditions:		Clear			
					Quality Assurance			Ambient Air Temp (°F):		75 H. W. W. H. L. L. L. L. L. L. L. L. L. L. L. L. L.
Mete	er Name	Ser	ial #:				Calibration:			
/SI Pro1030 (pH, Spe	cific Conductivity, Temp.)	15H1	15H101448		Υ	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor
YSI Pro 20 (D	issolved Oxygen)	12G102878		Y or N	Y			<u> </u>		N
MicroTPI/T	PW (Turbidity)	2013	201301183		Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y	
					Well Information					Market and the Parket and the
Well ID:		MV	V-20	Conversion Factor	meter (ft.): (C): 1" well = 0.047, 2" 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!	
		Marie Programme			Purging Data			STREET OF STREET		A SHALL PARTY
			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				<u> </u>				
Turbidity (NTU)		NL								
(中)是 8.50 (A) 20 (表) (表) (表)					Sampling Data			3-02-11-02-1-2-11-02		
Sampled By:	oled By: P.Wylie, J. Phillips, C. Phillips, C. Hansen Sampling Time:		NL	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00	
otes:					NL= Not Located			J		
					Under pile of scra					-

Date:	4/4/2017	Site ID #:	03	3538	Site Name:	Coastal Tru	ick Stop 76	Field Personnel:	P.Wylie, J. Phillips, (C. Phillips, C. Han
County:	Florence	Project Manager:	Kyle F	'atterson	General Weather Conditions:	Cle	эаг	Ambient Air Temp (°F):		35
					Quality Assurance					
Me	eter Name	Seri	al #:				Calibration:	4 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	*	
SI Pro1030 (pH, Sp	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Y or N	Y	pH 7.0: Y or N	Υ	pH 10.0: Y or N	Y	S.C.: Y or
YSi Pro 20 (Dissolved Oxygen)	12G1	02878	Y or N	Y				N	
MicroTPI	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Υ	1.0 NTU: Yor N	Υ	10.0 NTU: Y or N	Υ	
	Well ID: Sample Type: (i.e. MW, IW, RW, WSW)			Well Information					The Table 1970 Committee of the	20229-007-9
-			MW-21		Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652		0.163		Bailer	
Sample Type: (i			W	Screened	Interval (ft.):	2.75-12.75		Total Well Depth (TWD) (ft.):	12	.75
Depth to Free	Free Product (DFP) (ft.):		D	Depth to Ground	iwater (DGW) (ft.):	6.34		Free Product Thickness (ft.):		etected
	Length of water column (LWC = TWD – DGW) (ft.):		41	1 casing volume (CV = LWC x C) (gals.):		1.04		5 casing volumes (5 x CV) (gals.):	5.	22
(LWC - 1WD - DGW) (IL):					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							
S,	pecific Conductivity (μS/c	m)	113							
	Water Temperature (°C)		18.4							
	Dissolved Oxygen (mg/L)		1.40							
	Turbidity (NTU)		36.13							
斯尔索姆 50%的		and the property of the sales			Sampling Data					
Sampled By:	P.Wylie, J. Phillips, C. F	Phillips, C. Hansen	Sampling Time:	10:07	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
tes:		·			No Odor					
					No Purge Sample Colle	ected			<u></u>	

	4/4/2017	Site ID #;		03538	Site Name:	Coastal Tru	uck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C	. Phillips, C. Hans
County:	Florence	Project Manager:	Kyle F	Patterson	General Weather Conditions:	Cle	ear	Ambient Air Temp (°F):	85	
		TO SERVICE STATE OF STATE		As a supplied to the second	Quality Assurance	etine some sine and an all				
Me	eter Name	Seri	ial #:				Calibration:	and the second s	100000000000000000000000000000000000000	
SI Pro1030 (pH, Sp	pecific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor
YSI Pro 20 (I	(Dissolved Oxygen)	12G1	02878	Yor N	Y		·	<u> </u>		N
MicroTPI/	/TPW (Turbidity)	2013/	01183	0.0 NTU: Yor N Y		1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Y	
				Well Information						
	Well ID: Sample Type: (i.e. MW, IW, RW, WSW) Depth to Free Product (DFP) (ft.): Length of water column (LWC = TWD - DGW) (ft.):		V-22	Conversion Factor (C	Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652		0.163		Bail	ler
Sample Type: (i.			MW ND 7.55 1		Screened Interval (ft.): Depth to Groundwater (DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.):		5.09-15.09 7.54		15,09 Not Detected	
										
Length of							23	5 casing volumes (5 x CV) (gals.):	6.1	5
	Depth to Free Product (DFP) (ft.): Length of water column (LWC = TWD - DGW) (ft.): Volume Purged (gallons) Time (military)				Purging Data		REAL STATES			
			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							
Sp	pecific Conductivity (µS/cn	n)	190.9							
	Water Temperature (°C)		20.0							
	Dissolved Oxygen (mg/L)		1.81				·			
	Turbidity (NTU)		29.85							
		And the Sales of the Alexander			Sampling Data		2.7			
Sampled By:	P.Wylie, J. Phillips, C. Pr	hillips, C. Hansen	Sampling Time:	10:59	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
otes:					No Odor			<u> </u>		
					No Purge Sample Colle	ected				

Date:	4/4/2017	Site ID #:	03	3538	Site Name:	Coastal Tri	uck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C	C. Phillips, C. Har
County:	Florence	Project Manager:	Kyle P	atterson	General Weather Conditions:	Cl	ear	Ambient Air Temp (°F):		95
					Quality Assurance			BE THE WEST CONTROL		The sections of
Me	ter Name	Seri	al #:				Calibration:			
/SI Pro1030 (pH, Sp	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Yor N	Y	pH 7.0: Y or N Y		pH 10.0: Y or N	y S.C.: Yor	
YSI Pro 20 (I	Dissolved Oxygen)	12G1	02878	Y or N	Y				<u> </u>	N
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Υ	10.0 NTU: Y or N	Y	
		建设建筑 计多数一路			Well Information			AT STATE PROPERTY.		and approximate and accompany
V	Vell ID:	MW	-22D	Conversion Factor (neter (ft.): C): 1" well = 0.047, 2" I" well = 0.652	0.1	163	Method of Purging/Sample Collection	Ва	iler
Sample Type: (i.			IW .	Screened I	nterval (ft.):	39.23	-44.23	Total Well Depth (TWD) (ft.):	44	.23
Depth to Free			ID	Depth to Ground	water (DGW) (ft.):	10	.26	Free Product Thickness (ft.):	Not Detected	
(LWC = TI	Length of water column (LWC = TWD – DGW) (ft.):		.97	1 casing volume (CV = LWC x C) (gals.):		5.54		5 casing volumes (5 x CV) (gals.):	27	.69
					Purging Data		· · · · · · · · · · · · · · · · · · ·	Application of the second		学用源学 沙山
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Samplin
	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
Sp	pecific Conductivity (μS/c	m)	43.4	44.2	52.6		<u>.</u>			51.0
	Water Temperature (°C)		18.6	18.5	19,9					19.8
	Dissolved Oxygen (mg/L)	<u> </u>	1.51	1,58	1.56					1.59
	Turbidity (NTU)		8.69	24.62	54.01					64.09
		的名字 医外外原型液			Sampling Data			paging and a significant		
Sampled By:	P.Wylie, J. Phillips, C. F	Phillips, C. Hansen	Sampling Time:	10:59	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	16.50
otes:				-	No Odor		I			
					Dry at 16.5 Gallon	s				

		Site ID #:		3538	Site Name:	Coastal Tru	ick Stop 76	Field Personnel:	P.Wylie, J. Phillips, (C. Phillips, C. Hanse
County:	Florence	Project Manager:	Kyle i	Patterson	General Weather Conditions:	Cle	ear	Ambient Air Temp (°F):		35
				restante de la Bosto	Quality Assurance					
	eter Name	Seri	ial #:				Calibration:			
SI Pro1030 (pH, Sp	pecific Conductivity, Temp.)	15H1	01448	pH 4.0: Y or N	Y	pH 7.0; Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor
YSI Pro 20 ((Dissolved Oxygen)	12G1	02878	Yor N	Y					N
MicroTPI/	/TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y 1.0 NTU: Y or N Y		Y	10.0 NTU: Y or N	Y	
					Well Information	AND THE RESERVE OF THE				
!	Well ID: Sample Type: (i.e. MW, IW, RW, WSW) Depth to Free Product (DFP) (ft.): Length of water column (LWC = TWD - DGW) (ft.):		V-23	Well Dian Conversion Factor (meter (ft.): C): 1" well = 0.047, 2" I" well = 0.652	0.163		Method of Purging/Sample Collection	Bailer	
Sample Type: (i.			100	Screened II	Screened Interval (ft.):		5.57-15.57		15.57	
			ND 8.78		Depth to Groundwater (DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.):		6.79		Not De	etected
							13	5 casing volumes (5 x CV) (gals.):	7.:	16
			more and the second of the control o		Purging Data		elicologica (se ace)	Continue Reprosperation	PERMIT	
·			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							·····
Sį	pecific Conductivity (μS/cm	1)	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. Ph	ıillips, C. Hansen	Sampling Time:	10:04	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
es:					No Odor					
					No Purge Sample Colle	ected				

		Site ID #:	<u>'</u>	3538	Site Name:	Coastal	Truck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C	. Phillips, C. Hanser
County:	Florence	Project Manager:	Kyle I	Patterson	General Weather Conditions:		Clear	Ambient Air Temp (°F):	88	
3 11 (01 A E) 45 (4 C) 45 (4 E)		9.15	16. 图图表数字文档		Quality Assurance			_	To the second	SCHOOLS AND UN
	Meter Name 130 (pH, Specific Conductivity, Temp.) SI Pro 20 (Dissolved Oxygen) MicroTPI/TPW (Turbidity) Well ID: Die Type: (i.e. MW, IW, RW, WSW) pth to Free Product (DFP) (ft.): Length of water column (LWC = TWD – DGW) (ft.): Volume Purged (gallons) Time (military) PH (s.u.) Specific Conductivity (µS/cm)	Se	rial #: 				Calibration:			
'SI Pro1030 (pH, Sp	pecific Conductivity, Тетр.)	15H	101448	pH 4.0: Y or N	Υ	pH 7.0; Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor
YSI Pro 20	(Dissolved Oxygen)	12G	102878	Yor N	Y				'	N Y
MicroTPI	I/TPW (Turbidity)	201	301183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	' Y	10.0 NTU: Y or N	Y	
						Well Information				
	Well ID:	M'	W-24	Conversion Factor (meter (ft.): 'C): 1" well = 0.047, 2" 4" well = 0.652	1" well = 0.047, 2" 0 163		Method of Purging/Sample Collection	Bailer	
Sample Type: (i.e. MW, IW, RW, WSW)		MW	Screened	Interval (ft.):	2.9	99-12.99	Total Well Depth (TWD) (ft.):	12.9	
	n of water column		ND	Depth to Ground	lwater (DGW) (ft.):	6.60		Free Product Thickness (ft.):	Not Detected	
Length of (LWC = T	of water column TWD – DGW) (ft.):		i.39	1 casing volume (C	V = LWC x C) (gals.):		1.04	5 casing volumes (5 x CV) (gals.):	5.2	1
WAS VIOLENCE OF	MI ENCLOSED STORMS TO LEASE	建建设工程			Purging Data					The Africa State Section
	(LWC = TWD – DGW) (ft.):		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							
<u>-</u>			5.31				†	 		
Sį	pecific Conductivity (μS/cm)	56,0				 			
	Water Temperature (°C)		18.5					 		
	Dissolved Oxygen (mg/L)		3.25				 			
	Turbidity (NTU)		29.34							
		28 (athle spin)			Sampling Data		de Pesselling		110000000000000000000000000000000000000	
Sampled By:	P.Wylie, J. Phillips, C. Ph	illips, C. Hansen	Sampling Time:	9:57	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
es:					No Odor		, inte.		geo.	
					No Purge Sample Colle	ected		[40]		
								<u> </u>		

		Site ID #:		03538	Site Name:	Coastal Tru	uck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C.	. Phillips, C. Han
County:	Florence	Project Manager:	Kyle f	Patterson	General Weather Conditions:	Clr	ear	Ambient Air Temp (°F):		
					Quality Assurance			Andre Transport	ARCHINENS SAFERING	PETER PLANE SET OF
	ter Name	Ser/	rial #:	66			Calibration:			
l Pro1030 (pH, Spε	ecific Conductivity, Temp.)	15H1	101448	pH 4.0: Yor N	Y	pH 7.0: Y or N	Υ	pH 10.0: Y or N	Y	S.C.: Yor
YSI Pro 20 (D	Dissolved Oxygen)	12G1	102878	Yor N	Y	 .				N
MicroTPI/T	TPW (Turbidity)	2013	301183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y	
			在世界的基础的		Well Information		Fallence In House	424420000000000000000000000000000000000		CONTRACTOR OF THE STATE OF
	Well ID: Sample Type: (i.e. MW, IW, RW, WSW) Depth to Free Product (DFP) (ft.): Length of water column (LWC = TWD - DGW) (ft.):		MW-25 Conversion Factor (C): 1 well = 0.16, 4" we MW Screened Interval ND Depth to Groundwate 5.84 1 casing volume (CV = L		meter (ft.): (C): 1" well = 0.047, 2" 4" well = 0.652	0.1	63	Method of Purging/Sample Collection	Baile	ler
					nterval (ft.):	3.16-1	(3.16	Total Well Depth (TWD) (ft.):	13.16	
					Depth to Groundwater (DGW) (ft.):		7.32		Not Dete	tected
Length of (LWC = TV					V = LWC x C) (gals.):	0.9	35	5 casing volumes (5 x CV) (gals.):	4.76	' 6
					Purging Data				discontinuos de la constantina	
		 !	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							
Sp	ecific Conductivity (μS/cn	n)	73.5				-	 		
	Water Temperature (°C)		19.3							
	Dissolved Oxygen (mg/L)		3.71							
	Turbidity (NTU)		21.42							
		And the state of t		Allera Carlo Carrega	Sampling Data	在30年10月1日本 10日本 10日本				
Sampled By:	P.Wylie, J. Phillips, C. Ph	nillips, C. Hansen	Sampling Time:	9:55	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
es:					No Odor					
4.					No Purge Sample Colle	acted				

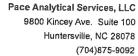
Date:	4/4/2017	Site ID #:		3538	Site Name:	Coastal Tri	uck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C	C. Phillips, C. Hanse
County:	Florence	Project Manager:	Kyle F	Patterson	General Weather Conditions:	Cle	ear	Ambient Air Temp (°F):	85	
CHEROLOGIA		Section of the sectio			Quality Assurance					
	eter Name	Seria	al #:				Calibration:			
'SI Pro1030 (pH, Sp	ecific Conductivity, Temp.)	15H1	01448	pH 4.0: Y or N	Y	pH 7.0; Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor Y
YSI Pro 20 (I	Dissolved Oxygen)	12G1	02878	Yor N	Y					N T
MicroTPI/	/TPW (Turbidity)	20130	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Yor N	Y	
				Well Information				KANKAS (ANTONOMO) ANTON		PERSONAL PROPERTY.
· · · · · · · · · · · · · · · · · · ·	Well ID: Sample Type: (i.e. MW, IW, RW, WSW) Depth to Free Product (DFP) (ft.): Length of water column (LWC = TWD - DGW) (ft.):		MW-26		Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652		0.163		Bail	ler .
Sample Type: (i.			IW	Screened I.	Screened Interval (ft.): Depth to Groundwater (DGW) (ft.):		4.86-14.86 8.34		12.99	
			ID	Depth to Ground					Not De	tected
Length of (LWC = TI			4.65		1 casing volume (CV = LWC x C) (gals.):		0.76		3.7	79
					Purging Data					Removaling to the
			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							
Sp	pecific Conductivity (µS/cn	n)	147.8							
	Water Temperature (°C)		18.8							
	Dissolved Oxygen (mg/L)		4.02							
	Turbidity (NTU)		25.70							
(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)					Sampling Data					
Sampled By:	P.Wylie, J. Phillips, C. Ph	hillips, C. Hansen	Sampling Time:	9:58	Duplicate: Y or N	N	if yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
otes:					No Odor			<u> </u>		
			-		No Purge Sample Colle	ected				

	4/4/2017	Site ID #:	ļ°	03538	Site Name:	Coastal Tri	uck Stop 76	Field Personnel:	P.Wylie, J. Phillips, (C. Phillips, C. Han:
County:	Fiorence	Project Manager:	Kyle	Patterson	General Weather Conditions:	CI	ear	Ambient Air Temp (°F):		35
				A STATE OF THE STA	Quality Assurance			SECTION OF STREET		
	ter Name	Ser	rial #: 				Calibration:			
l Pro1030 (pH, Spe	ecific Conductivity, Temp.)	15H1	101448	pH 4.0: Y or N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor
YSI Pro 20 (I	Dissolved Oxygen)	12G1	102878	Y or N	Y					N
MicroTPI/	TPW (Turbidity)	2013	01183	0.0 NTU: Yor N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Y	
					Well Information		State and the state of the	10.0 N10. 7 B/ N	Υ	
	Well ID: Cample Type: (i.e. MW, IW, RW, WSW) Depth to Free Product (DFP) (ft.):		V-27		neter (ft.): C): 1" well = 0.047, 2"	0.163		Method of Purging/Sample Collection	Ва	iler
			MW ND		Screened Interval (ft.): Depth to Groundwater (DGW) (ft.): 1 casing volume (CV = LWC x C) (gais.):		5.05-15.05 8.32		15.05 Not Detected	
Length of water column (LWC = TWD – DGW) (ft.):		6.73		1 casing volume (CV			10	5 casing volumes (5 x CV) (gals.):	5.4	48
	Length of water column (LWC = TWD – DGW) (ft.):				Purging Data		A la seguide a seguide			
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.		
	Volume Purged (gallons)		0.00	1.10	2.19	3.29	4.39	 	Post	Sampling
	Time (military)		9:47					5.48		
	PH (s.u.)		6.16							
Sp	ecific Conductivity (µS/cm	1)	25.1							
	Water Temperature (°C)		19.5							
1	Dissolved Oxygen (mg/L)		1.92							
· · ·	Turbidity (NTU)		12.82							
			Carl Surveyage Cons		Sampling Data					
Sampled By:	P.Wylie, J. Phillips, C. Ph	illips, C. Hansen	Sampling Time:	9:47	Duplicate: Yor N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
s:					No Odor		Time:			
					No Purge Sample Colle	ected				
					3. 0.1110					

				3538	Site Name:	Coastal Tri	ick Stop 76	Field Personnel:	P.Wylie, J. Phillips, C	. Phillips, C. Hanse
County:	Florence	Project Manager:	Kyle F	Patterson	General Weather Conditions:	Cl	еаг	Ambient Air Temp (°F):	8	
					Quality Assurance					108075755 Sec. (1985)
Me	er Name	Ser	ial #:				Calibration:			STATE STATE OF THE
SI Pro1030 (pH, Spe	cific Conductivity, Temp.)	15H1	01448	pH 4.0: Y or N	Y	pH 7.0: Yor N	Υ	pH 10.0; Y or N	Y	S.C.: Y or
YSI Pro 20 (L	issolved Oxygen)	12G1	02878	Y or N	Y					N T
MicroTPI/	FPW (Turbidity)	2013	01183	0.0 NTU: Y or N	Y	1.0 NTU: Yor N	Y	10.0 NTU: Y or N	Y	
	Sample Type: (i.e. MW, IW, RW, WSW) Depth to Free Product (DFP) (ft.): Length of water column				Well Information			Our county in the standard and a	SERVICE AND ADDRESS OF THE SERVICE	
			MW-28 Conversion well		Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652		0.163		Bailer	
Sample Type: (i.					interval (ft.):	2.97-12.97		Total Well Depth (TWD) (ft.):	12.97	
			ID	Depth to Ground	dwater (DGW) (ft.):	NL		Free Product Thickness (ft.):	Not Detected	
Length of (LWC = TV			#VALUE!		1 casing volume (CV = LWC x C) (gals.):		.UE!	5 casing volumes (5 x CV) (gals.):	#VAL	UE!
	Depth to Free Product (DFP) (ft.): Length of water column	AND SERVICE	the state of the s		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							
Sp	ecific Conductivity (µS/cn	1)	NL							
	Water Temperature (°C)		NL			= =				-
	Dissolved Oxygen (mg/L)		NL							
	Turbidity (NTU)		NL							
可可多。例外还是					Sampling Data			7.117.427.731.17		
Sampled By:	P.Wylie, J. Phillips, C. Ph	nillips, C. Hansen	Sampling Time:	NL	Duplicate: Y or N	N	If yes, Duplicate Time:	N/A	Total Gallons Purged:	0.00
cs.					NL=Not Located			<u></u>		
-	 			 	Under Pile of used ti	res				

		Site ID #:	<u> </u>	3538	Site Name:	Coastal T	ruck Stop 76	Field Personnel:	P.Wylie, J. Phillips, C	C. Phillips, C. Hanse
County:	Florence	Project Manager:	Kyle [Patterson	General Weather Conditions:	С	lear	Ambient Air Temp (°F):		5
					Quality Assurance				O Live State Property	
	er Name	Ser	rial #:				Calibration:			
/SI Pro1030 (pH, Spe	cific Conductivity, Temp.)	15H1	101448	pH 4.0: Y or N	Y	pH 7.0; Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor
YSI Pro 20 (D	issolved Oxygen)	12G1	102878	Yor N	Y		<u> </u>	pr. 16.6. 7 67 14	· ·	N Y
MicroTPI/1	PW (Turbidity)	2013	301183	0.0 NTU: Yor N	Υ	1.0 NTU: Yor N	Y	10.0 NTU: Y or N		
			AVERY TELEVISION		Well Information	Charles San Ross Ma	MS-18 s savembro	70.0 N 1 0. 1 0 N	Y	
И	Well ID; Sample Type: (i.e. MW, IW, RW, WSW) Depth to Free Product (DFP) (ft.): Length of water column (LWC = TWD – DGW) (ft.):		W-1	Conversion Factor (Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652		0.163		Bailer 36	
Sample Type: (i.e			//W	Screened I.				Collection Total Well Depth (TWD) (ft.):		
			ND 26.76 1		Depth to Groundwater (DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.):		9.24		Not Detected	
Length of (LWC = TW							.36	5 casing volumes (5 x CV) (gals.):	21.	81
Caronillos estre					Purging Data					Constant Control
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
	/olume 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		
Spe	ecific Conductivity (µS/cm	1)	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		
	issolved 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	_	
A THE STREET					Sampling Data	A WELL SAID CARE		90,00		
Sampled By:	mpled 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
·res; -					No Odor					
-										
										

County: Meter N	Florence	Project Manager:	Project Manager: Kyle Patterson			Coastal Truck Stop 76		Field Personnel:	P.Wylie, J. Phillips, C. Phillips, C. Hans		
			Kyle F	atterson	General Weather Conditions:	С	lear	Ambient Air Temp (°F):		35	
					Quality Assurance				es Victoria de la composição de la compo		
l Pro1030 (pH, Specific		Ser .	rial #:				Calibration:				
	c Conductivity, Temp.)	15H1	101448	pH 4.0: Y or N	Y	pH 7.0: Y or N	Y	pH 10.0: Y or N	Y	S.C.: Yor	
YSI Pro 20 (Disso	olved Oxygen)	12G1	102878	Yor N	Y					N	
MicroTPI/TPW	(Turbidity)	2013	301183	0.0 NTU: Yor N	D.O NTU: Yor N Y		Y	10.0 NTU: Y or N	Y		
					Well Information			(A) Section of Section (A)			
······································	Well ID: Sample Type: (i.e. MW, IW, RW, WSW) Depth to Free Product (DFP) (ft.): Length of water column (LWC = TWD - DGW) (ft.):		W-2	Conversion Factor (Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652		0.163		Ba	Bailer	
			ND Depth to Groundw		Screened Interval (ft.): Depth to Groundwater (DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): 4.69		(TWD) (#.):		36 Not Detected		
Length of wat (LWC = TWD -							69	5 casing volumes (5 x CV) (gals.);	23.	46	
THE BAR GEORGE ALZIN ZAZIN					Purging Data				North Carlot Carlot Carlot		
			Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Com-II	
Volu	ıme Purged (gallons)		0.00	4.69	9.39	14.08	18,77	23.46	7 031	Sampling	
	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			
Specifi	ic Conductivity (µS/cm)	39.1	37.8	37.1	36.9	36.1	36.6		<u> </u>	
	ter Temperature (°C)		18.6	19.3	19.9	20.3	20.1	20.0			
Diss	olved 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			
1					Sampling Data				State of the state	VA-sul il sualitati il sul se	
Sampled By:	P.Wylie, J. Phillips, C. Phi	illips, C. Hansen	Sampling Time:	12:09	Duplicate: Y or N	N	If yes, Duplicate Time;	N/A	Total Gallons Purged:	24.00	
					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

trey.carter@pacelabs.com

They Cat

(704)875-9092 Project Manager

Enclosures

cc: Mr. Jeff Coleman, Midlands Environmental Mr. Kyle Pudney, Midlands Environmental







CERTIFICATIONS

Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

92335997

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078 North Carolina Drinking Water Certification #: 37706 North Carolina Field Services Certification #: 5342 North Carolina Wastewater Certification #: 12 South Carolina Certification #: 99006001 Florida/NELAP Certification #: E87627 Kentucky UST Certification #: 84 Virginia/VELAP Certification #: 460221



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	MVV-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	MVV-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	MVV-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	

REPORT OF LABORATORY ANALYSIS



SAMPLE ANALYTE COUNT

Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

92335997

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboraton
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
2335997008	MW-6	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
2335997009	MW-8	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
2335997010	MW-11	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
2335997011	MW-14	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
2335997012	MW-15	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
2335997013	MW-16	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
2335997014	MW-17	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
2335997015	MW-18	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
2335997016	MW-19	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
2335997017	MW-21	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
2335997018	MW-22	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
2335997019	MW-22D	EPA 8011	HSK	2	PASI-C

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



SAMPLE ANALYTE COUNT

Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	CAH	20	PASI-C
92335997020	MW-23	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
92335997021	MW-24	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
92335997022	MW-25	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
92335997023	MW-26	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
2335997024	MW-27	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
2335997025	TW-1	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
2335997026	TW-2	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
2335997027	DUPLICATE 1	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
2335997028	DUPLICATE 2	EPA 8011	HSK	2	PASI-C
		EPA 8260	GAW	20	PASI-C
2335997029	FIELD BLANK	EPA 8011	HSK	2	PASI-C
		EPA 8260	CAH	20	PASI-C
2335997030	TRIP BLANK	EPA 8260	CAH	20	PASI-C



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

Date: 04/12/2017 03:28 PM

Sample: IGWA	Lab ID:	92335997001	Collecte	d: 04/04/1	7 11:46	Received: 04/	/05/17 13:09 M	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA	3011 Prepai	ation Meth	od: EPA	X 8011			
1,2-Dibromoethane (EDB) Surrogates	0.51	ug/L	0.019	0.019	1	04/10/17 14:36	04/11/17 03:05	106-93-4	M1
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 8	3260						
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	
ert-Butyl Alcohol	ND	ug/L	2500	1440	25		04/08/17 02:37	75-65-0	
ert-Butyl Formate	ND	ug/L	1250	182	25		04/08/17 02:37	762-75-4	
,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	
flethyl-tert-butyl ether	ND	ug/L	125	42.5	25		04/08/17 02:37	1634-04-4	
laphthalene	358	ug/L	125	50.0	25		04/08/17 02:37	91-20-3	
oluene	4630	ug/L	125	40.0	25		04/08/17 02:37	108-88-3	
(ylene (Total)	9090	ug/L	250	67.5	25		04/08/17 02:37	1330-20-7	
n&p-Xylene	5700	ug/L	250	77.5	25		04/08/17 02:37	179601-23-1	
-Xylene	3400	ug/L	125	40.0	25		04/08/17 02:37	95-47-6	
Gurrogates									
-Bromofluorobenzene (S)	101	%	70-130		25		04/08/17 02:37		
,2-Dichloroethane-d4 (S)	90	%	70-130		25		04/08/17 02:37		
oluene-d8 (S)	100	%	70-130		25		04/08/17 02:37	2037-26-5	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

Date: 04/12/2017 03:28 PM

Sample: IGWA-R	Lab ID:	92335997002	Collected:	04/04/17	7 12:05	Received: 04/	05/17 13:09 M	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	tion Meth	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	0.93	ug/L	0.020	0.020	1	04/10/17 14:36	04/11/17 04:04	106-93-4	
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 8	260						
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	0.08	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		
1,2-Dichloroethane-d4 (S)	89	%	70-130		50		04/10/17 18:49		
Toluene-d8 (S)	100	%	70-130		50		04/10/17 18:49	2037-26-5	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Date: 04/12/2017 03:28 PM

Sample: MW-1	Lab ID:	92335997003	Collected	l: 04/04/1	7 12:36	Received: 04/	05/17 13:09 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ation Meth	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	20.2	ug/L	0.99	0.99	50	04/10/17 14:36	04/11/17 13:03	106-93-4	
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 8	260						
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	
ert-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	
(ylene (Total)	15700	ug/L	2000	540	200		04/10/17 19:23	1330-20-7	
n&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									
-Bromofluorobenzene (S)	102	%	70-130		200		04/10/17 19:23		
,2-Dichloroethane-d4 (S)	92	%	70-130		200		04/10/17 19:23		
Foluene-d8 (S)	101	%	70-130		200		04/10/17 19:23	2037-26-5	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

Date: 04/12/2017 03:28 PM

Sample: MW-2	Lab ID:	92335997004	Collected:	04/04/17	7 12:12	Received: 04	/05/17 13:09 M	atrix: Water	
			Report						
Parameters	Results	Units -	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	tion Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	0.13	ug/L	0.020	0.020	1	04/10/17 14:36	04/11/17 05:04	106-93-4	
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 8	260						
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	
Kylene (Total)	49.0	ug/L	20.0	5.4	2		04/11/17 19:54	1330-20-7	
n&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	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

Date: 04/12/2017 03:28 PM

Sample: MW-3	Lab ID:	92335997005	Collected:	04/04/1	7 11:47	Received: 04/	05/17 13:09 M	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	tion Meth	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	0.97	ug/L	0.020	0.020	1	04/10/17 14:36	04/11/17 05:24	106-93-4	
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 8	260						
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	1.0	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	
Vaphthalene	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	
Kylene (Total)	12000	ug/L	1000	270	100		04/11/17 20:11	1330-20-7	
n&p-Xylene	8180	ug/L	1000	310	100		04/11/17 20:11	179601-23-1	
o-Xylene Surrogates	3800	ug/L	500	160	100		04/11/17 20:11	95-47-6	
I-Bromofluorobenzene (S)	100	%	70-130		100		04/11/17 20:11	460-00-4	
l,2-Dichloroethane-d4 (S)	90	%	70-130		100		04/11/17 20:11	17060-07-0	
foluene-d8 (S)	106	%	70-130		100		04/11/17 20:11	2037-26-5	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

Sample: MW-4	Lab ID:	92335997006	Collected:	04/04/1	7 12:14	Received: 04	/05/17 13:09 M	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	tion Meth	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	1.6	ug/L	0.040	0.040	2	04/10/17 14:36	04/11/17 13:23	106-93-4	
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 8	260						
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	
(ylene (Total)	5130	ug/L	250	67.5	25		04/08/17 03:46	1330-20-7	
n&p-Xylene	3100	ug/L	250	77.5	25		04/08/17 03:46	179601-23-1	
-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	
,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	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

Sample: MW-5	Lab ID:	92335997007	Collected	d: 04/04/17	7 11:27	Received: 04/	'05/17 13:09 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepar	ation Metho	od: EPA	X 8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	04/10/17 14:36	04/11/17 06:04	106-93-4	
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 8	260						
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	
(Ylene (Total)	2940	ug/L	100	27.0	10		04/11/17 20:27	1330-20-7	
n&p-Xylene	2240	ug/L	100	31.0	10		04/11/17 20:27	179601-23-1	
-Xylene	706	ug/L	50.0	16.0	10		04/11/17 20:27	95-47-6	
Surrogates		ū							
I-Bromofluorobenzene (S)	99	%	70-130		10		•	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130		10		04/11/17 20:27	17060-07-0	
Foluene-d8 (S)	109	%	70-130		10		04/11/17 20:27	2037-26-5	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

Sample: MW-6	Lab ID:	92335997008	Collected	: 04/04/1	7 09:51	Received: 04	/05/17 13:09 M	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	tion Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	04/10/17 14:36	04/11/17 06:23	106-93-4	
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 8	260						
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/08/17 04:37	75-85-4	
tert-Arnylmethyl 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	
ert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 04:37	75-65-0	
ert-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	
laphthalene	ND	ug/L	5.0	2.0	1		04/08/17 04:37	91-20-3	
oluene	ND	ug/L	5.0	1.6	1		04/08/17 04:37	108-88-3	
(ylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 04:37	1330-20-7	
n&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 04:37	179601-23-1	
-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 04:37	95-47-6	
Gurrogates									
-Bromofluorobenzene (S)	101	%	70-130		1		04/08/17 04:37	460-00-4	
,2-Dichloroethane-d4 (S)	88	%	70-130		1		04/08/17 04:37	17060-07-0	
oluene-d8 (S)	101	%	70-130		1		04/08/17 04:37	2037-26-5	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Date: 04/12/2017 03:28 PM

Sample: MW-8	Lab ID:	92335997009	Collected	1: 04/04/1	7 11:58	Received: 04/	05/17 13:09 M	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ation Meth	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	04/10/17 14:36	04/11/17 06:43	106-93-4	
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 8	260						
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	
ert-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	
(Ylene (Total)	ND	ug/L	10.0	2.7	1		04/07/17 11:44	1330-20-7	
n&p-Xylene	ND	ug/L	10.0	3.1	1		04/07/17 11:44	179601-23-1	
-Xylene	ND	ug/L	5.0	1.6	1		04/07/17 11:44	95-47-6	
Surrogates									
-Bromofluorobenzene (S)	95	%	70-130		1		04/07/17 11:44	460-00-4	
,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	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

92335997

Sample: MW-11	Lab ID:	92335997010	Collected	d: 04/04/17	7 09:56	Received: 04	/05/17 13:09 M	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepar	ation Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	04/10/17 14:37	04/11/17 07:03	106-93-4	
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 8	260						
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	
n&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		
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	

Date: 04/12/2017 03:28 PM



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

Date: 04/12/2017 03:28 PM

Sample: MW-14	Lab ID:	92335997011	Collected	04/04/17	10:40	Received: 04	/05/17 13:09 M	atrix: Water	
Б			Report						
Parameters	Results	Units	Limit	MDL .	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	tion Metho	d: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	04/10/17 14:37	04/11/17 07:23	106-93-4	
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 8	260						
tert-Arnyl 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	
Kylene (Total)	ND	ug/L	10.0	2.7	1		04/07/17 12:19	1330-20-7	
n&p-Xylene	ND	ug/L	10.0	3.1	1		04/07/17 12:19	179601-23-1	
o-Xylene S <i>urrogates</i>	ND	ug/L	5.0	1.6	1		04/07/17 12:19	95-47-6	
1-Bromofluorobenzene (S)	92	%	70-130		1		04/07/17 12:19	460-00-4	
I,2-Dichloroethane-d4 (S)	91	%	70-130		1		04/07/17 12:19		
Toluene-d8 (S)	106	%	70-130		1		04/07/17 12:19		



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

Date: 04/12/2017 03:28 PM

Sample: MW-15	Lab ID:	92335997012	Collected	: 04/04/17	7 10:31	Received: 04	05/17 13:09 M	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ation Metho	od: EDA	8011			
	•		•						
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	04/10/17 14:37	04/11/17 07:43	106-93-4	
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 8	260						
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	
oluene	ND	ug/L	5.0	1.6	1		04/07/17 12:38	108-88-3	
(ylene (Total)	ND	ug/L	10.0	2.7	1		04/07/17 12:38	1330-20-7	
n&p-Xylene	ND	ug/L	10.0	3.1	1		04/07/17 12:38	179601-23-1	
-Xylene	ND	ug/L	5.0	1.6	1		04/07/17 12:38	95-47-6	
Surrogates		=							
-Bromofluorobenzene (S)	93	%	70-130		1		04/07/17 12:38	460-00-4	
,2-Dichloroethane-d4 (S)	90	%	70-130		1		04/07/17 12:38	17060-07-0	
oluene-d8 (S)	106	%	70-130		1		04/07/17 12:38	2037-26-5	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

Date: 04/12/2017 03:28 PM

Sample: MW-16	Lab ID:	92335997013	Collected:	04/04/17	7 10:48	Received: 04/	'05/17 13:09 M	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	tion Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	04/10/17 14:37	04/11/17 08:03	106-93-4	
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 8	260						
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	
n&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	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Date: 04/12/2017 03:28 PM

Sample: MW-17	Lab ID:	92335997014	Collected	: 04/04/1	7 11:03	Received: 04/	05/17 13:09 M	atrix: Water	
			Report						
Parameters	Results	Units -	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ation Meth	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	0.11	ug/L	0.019	0.019	1	04/10/17 14:37	04/11/17 08:22	106-93-4	
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 8	260						
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	
Foluene	11.9	ug/L	5.0	1.6	1		04/08/17 05:12	108-88-3	
(ylene (Total)	131	ug/L	10.0	2.7	1		04/08/17 05:12	1330-20-7	
n&p-Xylene	84.1	ug/L	10.0	3.1	1		04/08/17 05:12	179601-23-1	
p-Xylene	47.3	ug/L	5.0	1.6	1		04/08/17 05:12	95-47-6	
Surrogates									
-Bromofluorobenzene (S)	103	%	70-130		1		04/08/17 05:12		
,2-Dichloroethane-d4 (S)	91	%	70-130		1		04/08/17 05:12		
「oluene-d8 (S)	99	%	70-130		1		04/08/17 05:12	2037-26-5	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

Sample: MW-18	Lab ID:	92335997015	Collected	: 04/04/17	7 11:25	Received: 04/	05/17 13:09 Ma	atrix: Water	
5 .	D	l toite	Report	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Parameters	Results	Units	Limit	WIDL	DF	- Prepareu	Analyzeu	CAS NO.	- Quai
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ation Metho	od: EPA	\ 8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	04/10/17 14:37	04/11/17 08:42	106-93-4	
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 8	260						
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	
ert-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	
(ylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 06:03	1330-20-7	
n&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 06:03	179601-23-1	
-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 06:03	95-47-6	
Surrogates		-							
I-Bromofluorobenzene (S)	101	%	70-130		1		04/08/17 06:03		
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	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

Date: 04/12/2017 03:28 PM

Sample: MW-19	Lab ID:	92335997016	Collected	: 04/04/17	10:16	Received: 04	/05/17 13:09 N	Matrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ation Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	04/10/17 14:37	04/11/17 09:02	2 106-93-4	
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 8	260						
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	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

Sample: MW-21	Lab ID:	92335997017	Collected:	04/04/17	7 10:07	Received: 04	05/17 13:09 M	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	tion Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	04/10/17 14:37	04/11/17 09:22	106-93-4	
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 8	260						
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	
ert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 06:37	75-65-0	
ert-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	
foluene	ND	ug/L	5.0	1.6	1		04/08/17 06:37	108-88-3	
(ylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 06:37	1330-20-7	
n&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 06:37	179601-23-1	
-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 06:37	95-47-6	
Surrogates		-							
-Bromofluorobenzene (S)	103	%	70-130		1		04/08/17 06:37	460-00-4	
,2-Dichloroethane-d4 (S)	91	%	70-130		1		04/08/17 06:37	17060-07-0	
oluene-d8 (S)	100	%	70-130		1		04/08/17 06:37	2037-26-5	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

Date: 04/12/2017 03:28 PM

Sample: MW-22	Lab ID:	92335997018	Collected	l: 04/04/17	10:59	Received: 04/	05/17 13:09 M	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ation Metho	d: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	04/10/17 14:37	04/11/17 09:42	106-93-4	
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 I	Method: EPA 8	260						
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	
(ylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 06:54	1330-20-7	
n&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 06:54	179601-23-1	
-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 06:54	95-47-6	
Surrogates		•							
-Bromofluorobenzene (S)	102	%	70-130		1		04/08/17 06:54	460-00-4	
,2-Dichloroethane-d4 (S)	90	%	70-130		1		04/08/17 06:54	17060-07-0	
ľoluene-d8 (S)	101	%	70-130		1		04/08/17 06:54	2037-26-5	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Date: 04/12/2017 03:28 PM

Sample: MW-22D	Lab ID:	92335997019	Collected	d: 04/04/17	11:40	Received: 04/	05/17 13:09 M	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepar	ation Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	04/10/17 15:04	04/10/17 17:46	106-93-4	
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 8	260						
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	
ert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 07:12	75-65-0	
ert-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	
(ylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 07:12	1330-20-7	
n&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 07:12	179601-23-1	
-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 07:12	95-47-6	
Surrogates		_							
-Bromofluorobenzene (S)	103	%	70-130		1		04/08/17 07:12	460-00-4	
,2-Dichloroethane-d4 (S)	91	%	70-130		1		04/08/17 07:12	17060-07-0	
oluene-d8 (S)	100	%	70-130		1		04/08/17 07:12	2037-26-5	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

Date: 04/12/2017 03:28 PM

Sample: MW-23	Lab ID:	9233599702	O Collected	1: 04/04/1	7 10:04	Received: 04	/05/17 13:09 M	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA	8011 Prepar	ation Meth	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	04/10/17 15:04	04/10/17 18:05	106-93-4	
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	
ert-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	
ert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 07:29	75-65-0	
ert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/08/17 07:29	762-75-4	
,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	
thylbenzene	ND	ug/L	5.0	1.6	1		04/08/17 07:29	100-41-4	
thyl-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	
laphthalene	ND	ug/L	5.0	2.0	1		04/08/17 07:29	91-20-3	
oluene	ND	ug/L	5.0	1.6	1		04/08/17 07:29	108-88-3	
ylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 07:29	1330-20-7	
n&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 07:29	179601-23-1	
-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 07:29	95-47-6	
urrogates									
-Bromofluorobenzene (S)	100	%	70-130		1		04/08/17 07:29	460-00-4	
,2-Dichloroethane-d4 (S)	90	%	70-130		1		04/08/17 07:29	17060-07-0	
oluene-d8 (S)	101	%	70-130		1		04/08/17 07:29	2037-26-5	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Date: 04/12/2017 03:28 PM

Sample: MW-24	Lab ID:	92335997021	Collected	1: 04/04/1	7 09:57	Received: 04	/05/17 13:09 M	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ation Meth	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	04/10/17 15:04	04/10/17 18:24	106-93-4	
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 8	260						
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	
Foluene-d8 (S)	100	%	70-130		1		04/08/17 07:46	2037-26-5	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Date: 04/12/2017 03:28 PM

Sample: MW-25	Lab ID:	92335997022	Collected	: 04/04/1	7 09:55	Received: 04	/05/17 13:09 M	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Quai
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ation Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.021	0.021	1	04/10/17 15:04	04/10/17 19:21	106-93-4	
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 8	260						
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	
3enzene	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	
ert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 08:03	75-65-0	
ert-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	
thyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/08/17 08:03	637-92-3	
flethyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/08/17 08:03	1634-04-4	
laphthalene	ND	ug/L	5.0	2.0	1		04/08/17 08:03	91-20-3	
oluene	ND	ug/L	5.0	1.6	1		04/08/17 08:03	108-88-3	
(ylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 08:03	1330-20-7	
1&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 08:03	179601-23-1	
-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 08:03	95-47-6	
Surrogates									
-Bromofluorobenzene (S)	102	%	70-130		1		04/08/17 08:03	460-00-4	
,2-Dichloroethane-d4 (S)	90	%	70-130		1		04/08/17 08:03	17060-07-0	
oluene-d8 (S)	99	%	70-130		1		04/08/17 08:03	2037-26-5	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

Date: 04/12/2017 03:28 PM

92335997

Sample: MW-26	Lab ID:	92335997023	Collected	04/04/1	7 09:58	Received: 04	'05/17 13:09 M	atrix: Water	
_			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ition Meth	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	04/10/17 15:04	04/10/17 19:41	106-93-4	
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 8	260						
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/08/17 08:20	75-85-4	
tert-Amylmethyl ether	NĐ	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	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Date: 04/12/2017 03:28 PM

Sample: MW-27	Lab ID:	92335997024	Collected	1: 04/04/1	7 09:47	Received: 04	/05/17 13:09 M	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepar	ation Meth	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND .	ug/L	0.020	0.020	1	04/10/17 15:04	04/10/17 20:00	106-93-4	
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 8	260						
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		
Benzene	ND	ug/L	5.0	1.7	1		04/08/17 08:37		
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/08/17 08:37		
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		
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/08/17 08:37	107-06-2	
Diisopropyl ether	ND 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		
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/08/17 08:37		
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/08/17 08:37		
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/08/17 08:37		
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		
(Yotal)	ND	ug/L	10.0	2.7	1		04/08/17 08:37		
n&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 08:37		
)-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 08:37		
Surrogates								.	
l-Bromofluorobenzene (S)	101	%	70-130		1		04/08/17 08:37	460-00-4	
,2-Dichloroethane-d4 (S)	91	%	70-130		1		04/08/17 08:37	17060-07-0	
oluene-d8 (S)	101	%	70-130		1		04/08/17 08:37	2037-26-5	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Date: 04/12/2017 03:28 PM

Sample: TW-1	Lab ID:	92335997025	Collected	: 04/04/17	7 12:32	Received: 04	05/17 13:09 M	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ation Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	04/10/17 15:04	04/10/17 20:19	106-93-4	
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 8	260						
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	
ert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 08:55	75-65-0	
ert-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	
(ylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 08:55	1330-20-7	
n&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		-							
-Bromofluorobenzene (S)	101	%	70-130		1		04/08/17 08:55	460-00-4	
,2-Dichloroethane-d4 (S)	89	%	70-130		1		04/08/17 08:55	17060-07-0	
oluene-d8 (S)	100	%	70-130		1		04/08/17 08:55	2037-26-5	



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 M	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ition Metho	d: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	04/10/17 15:05	04/10/17 20:57	106-93-4	
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 8	260						
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		
ert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 09:12	75-65-0	
ert-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	
oluene	ND	ug/L	5.0	1.6	1		04/08/17 09:12	108-88-3	
(ylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 09:12		
n&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 09:12		
-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 09:12	95-47-6	
Surrogates								_	
-Bromofluorobenzene (S)	101	%	70-130		1		04/08/17 09:12	460-00-4	
,2-Dichloroethane-d4 (S)	92	%	70-130		1		04/08/17 09:12	17060-07-0	
oluene-d8 (S)	101	%	70-130		1		04/08/17 09:12	2037-26-5	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Sample: DUPLICATE 1	Lab ID:	92335997027	Collected	d: 04/04/1	7 11:47	Received: 04	/05/17 13:09 M	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepar	ation Meth	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	0.49	ug/L	0.020	0.020	1	04/10/17 15:05	04/10/17 21:16	106-93-4	
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 I	Method: EPA 8	260						
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	
(ylene (Total)	9120	ug/L	250	67.5	25		04/08/17 09:29	1330-20-7	
n&p-Xylene	5690	ug/L	250	77.5	25		04/08/17 09:29		
o-Xylene	3430	ug/L	125	40.0	25		04/08/17 09:29		
Surrogates		-						-	
l-Bromofluorobenzene (S)	103	%	70-130		25		04/08/17 09:29	460-00-4	
,2-Dichloroethane-d4 (S)	89	%	70-130		25		04/08/17 09:29	17060-07-0	
oluene-d8 (S)	99	%	70-130		25		04/08/17 09:29	2037-26-5	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Date: 04/12/2017 03:28 PM

Sample: DUPLICATE 2	Lab ID:	92335997028	Collected	: 04/04/1	7 12:06	Received: 04	05/17 13:09 M	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	tion Meth	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	0.70	ug/L	0.020	0.020	1	04/10/17 15:05	04/10/17 21:36	106-93-4	
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 8	260						
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	
ert-Butyl Alcohol	ND	ug/L	5000	2880	50		04/10/17 18:15	75-65-0	
ert-Butyl Formate	ND	ug/L	2500	365	50		04/10/17 18:15	762-75-4	
,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	
thyl-tert-butyl ether	ND	ug/L	500	180	50		04/10/17 18:15	637-92-3	
flethyl-tert-butyl ether	ND	ug/L	250	85.0	50		04/10/17 18:15	1634-04-4	
laphthalene	658	ug/L	250	100	50		04/10/17 18:15	91-20-3	
oluene	7100	ug/L	250	80.0	50		04/10/17 18:15	108-88-3	
ylene (Total)	6690	ug/L	500	135	50		04/10/17 18:15	1330-20-7	
ı&p-Xylene	4880	ug/L	500	155	50		04/10/17 18:15	179601-23-1	
-Xylene	1820	ug/L	250	80.0	50		04/10/17 18:15	95-47-6	
urrogates									
-Bromofluorobenzene (S)	82	%	70-130		50		04/10/17 18:15	460-00-4	
,2-Dichloroethane-d4 (S)	95	%	70-130		50		04/10/17 18:15	17060-07-0	
oluene-d8 (S)	109	%	70-130		50		04/10/17 18:15	2037-26-5	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

Date: 04/12/2017 03:28 PM

92335997

Sample: FIELD BLANK	Lab ID:	92335997029	Collected	: 04/04/17	12:40	Received: 04/	05/17 13:09 M	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL_	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical	Method: EPA 8	011 Prepara	ation Metho	od: EPA	8011			
1,2-Dibromoethane (EDB) Surrogates	ND	ug/L	0.020	0.020	1	04/10/17 15:05	04/10/17 21:55	106-93-4	
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 8	260						
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	
(ylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 00:54	1330-20-7	
n&p-Xylene	ND	ug/L	10.0	3.1	1		04/08/17 00:54	179601-23-1	
-Xylene	ND	ug/L	5.0	1.6	1		04/08/17 00:54	95-47-6	
Surrogates		-							
I-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	



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Date: 04/12/2017 03:28 PM

Sample: TRIP BLANK	Lab ID:	92335997030	Collected	04/04/1	7 12:42	Received: 0	4/05/17 13:09	Matrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical	Method: EPA 8	260						
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/08/17 05:4	6 75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/08/17 05:4		
Benzene	ND	ug/L	5.0	1.7	1		04/08/17 05:4		
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/08/17 05:4		
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/08/17 05:4		
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/08/17 05:46		
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/08/17 05:46	6 107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/08/17 05:46		
Ethanol	ND	ug/L	200	131	1		04/08/17 05:46		
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/08/17 05:46	5 100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/08/17 05:46		
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/08/17 05:46	6 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		
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/08/17 05:46		
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		
Surrogates									
I-Bromofluorobenzene (S)	102	%	70-130		1		04/08/17 05:46	460-00-4	
,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	



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

		Blank	Reporting			
Parameter	Units	Result	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		-			_
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% 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 L	1
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.



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

LABORATORY CONTROL SAMPLE:	1973199	Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Xylene (Total)	ug/L	150	126	84	70-130	
1,2-Dichloroethane-d4 (S)	%			90	70-130	
1-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			95	70-130	

MATRIX SPIKE SAMPLE:	1973201						
		92335997012	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% 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 M	1,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						
		92335997011	Dup		Max	
Parameter	Units	Result	Result	RPD	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	
Vaphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
ert-Amyl Alcohol	ug/L	ND	ND		30	
ert-Amylmethyl ether	ug/L	ND	ND		30	

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

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.





Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

SAMPLE DUPLICATE: 1973200						
		92335997011	Dup		Max	
Parameter	Units	Result	Result	RPD	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		10

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.



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

		Blank	Reporting			
Parameter	Units	Result	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	0 175
				70 Ket	Limíts	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	
Ethanoi	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 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.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full. without the written consent of Pace Analytical Services, LLC.



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

Date: 04/12/2017 03:28 PM

92335997

LABORATORY CONTROL SAMPLE:	1973985		_				
Parameter	Units		CS sult	LCS % Rec	% Rec Limits	Qualifiers	
						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						
		92335997013	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% 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	1
m&p-Xylene	ug/L	ND	40	31.5	79	70-130	1
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	
ert-Amyl Alcohol	ug/L	ND	400	248	62	70-130	M1
ert-Amylmethyl ether	ug/L	ND	40	29.5	74	70-130	
ert-Butyl Alcohol	ug/L	ND	200	145	72	70-130	
ert-Butyl Formate	ug/L	ND	160	ND	1	70-130	M1,P5
oluene	ug/L	ND	20	16.2	81	70-130	
,2-Dichloroethane-d4 (S)	%				90	70-130	
I-Bromofluorobenzene (S)	%				104	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 1974921						
		92335997014	Dup		Max	
Parameter	Units	Result	Result	RPD	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	
ert-Amyl Alcohol	ug/L	96.7J	84.2J		30	
ert-Amylmethyl ether	ug/L	ND	ND		30	

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.





Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

92335997

SAMPLE DUPLICATE: 1974921						
		92335997014	Dup		Max	
Parameter	Units	Result	Result	RPD	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		

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.



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

		Blank	Reporting	, , , , , , , , , , , , , , , , , , , ,		
Parameter	Units	Result	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	
ert-Amylmethyl ether	ug/L	ND	10.0	3.4	04/08/17 00:03	
ert-Butyl Alcohol	ug/L	· ND	100	57.7	04/08/17 00:03	
ert-Butyl Formate	ug/L	ND	50.0	7.3	04/08/17 00:03	
oluene	ug/L	ND	5.0	1.6	04/08/17 00:03	
(ylene (Total)	ug/L	ND	10.0	2.7	04/08/17 00:03	
,2-Dichloroethane-d4 (S)	%	90	70-130		04/08/17 00:03	
-Bromofluorobenzene (S)	%	102	70-130		04/08/17 00:03	
「oluene-d8 (S)	%	101	70-130		04/08/17 00:03	

LABORATORY CONTROL SAMPLE:	1973988					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% 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	

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.



Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

92335997

ABORATORY CONTROL SAMPLE:	1973988	Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
ert-Butyl Formate	ug/L	400	453	113	70-130	-
oluene	ug/L	50	52.5	105	70-130	
ylene (Total)	ug/L	150	153	102	70-130	
2-Dichloroethane-d4 (S)	%			87	70-130	
Bromofluorobenzene (S)	%			104	70-130	
luene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE:	1974918						
		92335997015	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% 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 N	11
Ethyl-tert-butyl ether	ug/L	ND	40	37.2	93	70-130	
Ethylbenzene	ug/L	ND	20	24.1	119	70-130	
n&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	
ert-Amyl Alcohol	ug/L	ND	400	366	91	70-130	
ert-Amylmethyl ether	ug/L	ND	40	43.4	109	70-130	
ert-Butyl Alcohol	ug/L	ND	200	221	109	70-130	
ert-Butyl Formate	ug/L	ND	160	ND	1	70-130 M	11,P5
oluene	ug/L	ND	20	23.5	117	70-130	•
,2-Dichloroethane-d4 (S)	%				88	70-130	
-Bromofluorobenzene (S)	%				106	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 1974919						
		92335997016	Dup		Max	
Parameter	Units	Result	Result	RPD	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	

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

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.





Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.: 9

Date: 04/12/2017 03:28 PM

92335997

SAMPLE DUPLICATE: 1974919						
		92335997016	Dup		Max	
Parameter	Units	Result	Result	RPD	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		

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,



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:

b Samples: 92335997002, 92335997003, 92335997028

METHOD BLANK: 1974661

361

Matrix: Water

Associated Lab Samples: 92335997002, 92335997003, 92335997028

		Blank	Reporting			
Parameter	Units	Result	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					
		Spike	LCS	LCS	% Rec	
Parameter Parameter	Units	Conc.	Result	% 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 L	.2
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	

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.



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						
_		92336163003	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% 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 M	0
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	
ert-Amyl Alcohol	ug/L	17500	4000	17800	8	70-130 M	1
ert-Amylmethyl ether	ug/L	ND	400	415	104	70-130	
ert-Butyl Alcohol	ug/L	3070	2000	4110	52	70-130 M	1
ert-Butyl Formate	ug/L	ND	1600	1080	68	70-130 M	
Toluene Toluene	ug/L	ND	200	242	113	70-130	
,2-Dichloroethane-d4 (S)	%				88	70-130	
-Bromofluorobenzene (S)	%				105	70-130	
「oluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 1976210						
		92336163015	Dup		Max	
Parameter	Units	Result	Result	RPD	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	
n&p-Xylene	ug/L	153	206	29	30	
Methyl-tert-butyl ether	ug/L	55.8	55.7	0	30	
Vaphthalene	ug/L	ND	ND		30	
-Xylene	ug/L	82.3	110	29	30	
ert-Amyl Alcohol	ug/L	19400	22500	15	30	
ert-Amylmethyl ether	ug/L	ND	ND		30	

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

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.





Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Date: 04/12/2017 03:28 PM

SAMPLE DUPLICATE: 1976210			-			
Parameter	Units	92336163015 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Butyl Alcohol		1890				Qualifiers
-	ug/L		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		

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.



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

		Blank	Reporting			
Parameter	Units	Result	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	
ert-Amyl Alcohol	ug/L	ND	100	76.8	04/11/17 12:09	
ert-Amylmethyl ether	ug/L	ND	10.0	3.4	04/11/17 12:09	
ert-Butyl Alcohol	ug/L	ND	100	57.7	04/11/17 12:09	
ert-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	
(Ylene (Total)	ug/L	ND	10.0	2.7	04/11/17 12:09	
,2-Dichloroethane-d4 (S)	%	94	70-130		04/11/17 12:09	
-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	10-00				
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% 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	
ert-Amyl Alcohol	ug/L	1000	1110	111	70-130	
tert-Amylmethyl ether	ug/L	100	107	107	70-130	
ert-Butyl Alcohol	ug/L	500	468	94	70-130	
ert-Butyl Formate	ug/L	400	403	101	70-130	
Toluene	ug/L	50	50.0	100	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.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



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
(ylene (Total)	ug/L	150	152	102	70-130	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
-Bromofluorobenzene (S)	%			100	70-130	
oluene-d8 (S)	%			98	70-130	
ATRIX SPIKE SAMPLE:	1976237					

MATRIX SPIKE SAMPLE:	1976237						
D 1		92336693026	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% 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	
1-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	

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.





Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.: 92335997

Date: 04/12/2017 03:28 PM

SAMPLE DUPLICATE: 1976236						
		92336693025	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
tert-Butyl Alcohol	ug/L	ND	ND .	TIC.	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		

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.



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:

Date: 04/12/2017 03:28 PM

92335997001, 92335997002, 92335997003, 92335997004, 92335997005, 92335997006, 92335997007, 92335997008, 92335997009, 92335997010, 92335997011, 92335997012, 92335997013, 92335997014,

92335997015, 92335997016, 92335997017, 92335997018

Blank Reporting Parameter Units Result 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 Spike LCS LCSD LCS LCSD % Rec Max Parameter Units Conc. Result Result % Rec RPD % Rec Limits **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 MS MSD 92335997001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual 1,2-Dibromoethane (EDB) ug/L 0.51 .25 .25 0.61 0.62 42 46 60-140 20 M1 1-Chloro-2-bromopropane % 116 120 60-140 (S)

SAMPLE DUPLICATE: 1974518 92335997002 Dup Max Parameter Units Result Result RPD RPD Qualifiers 1,2-Dibromoethane (EDB) ug/L 0.93 0.92 1 20 110 1-Chloro-2-bromopropane (S) % 108 1

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.



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:

Date: 04/12/2017 03:28 PM

92335997019, 92335997020, 92335997021, 92335997022, 92335997023, 92335997024, 92335997025,

92335997026, 92335997027, 92335997028, 92335997029

Blank Reporting Parameter Units Result 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 Spike LCS LCSD LCS LCSD % Rec Max Parameter Units Conc. Result Result % Rec % Rec Limits RPD 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 MS MSD 92335997021 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual 1,2-Dibromoethane (EDB) ug/L ND .25 .25 0.27 0.27 107 107 60-140 0 20 1-Chioro-2-bromopropane % 99 98 60-140 (S)

SAMPLE DUPLICATE: 1974524 92335997025 Dup Max Parameter Units Result Result RPD RPD Qualifiers 1,2-Dibromoethane (EDB) ND ug/L ND 20 1-Chloro-2-bromopropane (S) 99 % 106

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.





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

Date: 04/12/2017 03:28 PM

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.

MO Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery. M1

The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be P5 achieved in sample matrix spikes.

Surrogate recovery not evaluated against control limits due to sample dilution.



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	MVV-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
2335997019	MW-22D	EPA 8011	355960	EPA 8011	356018
92335997020	MVV-23	EPA 8011	355960	EPA 8011	356018
2335997021	MW-24	EPA 8011	355960	EPA 8011	356018
2335997022	MW-25	EPA 8011	355960	EPA 8011	356018
2335997023	MW-26	EPA 8011	355960	EPA 8011	356018
2335997024	MW-27	EPA 8011	355960	EPA 8011	356018
2335997025	TW-1	EPA 8011	355960	EPA 8011	356018
2335997026	TW-2	EPA 8011	355960	EPA 8011	356018
2335997027	DUPLICATE 1	EPA 8011	355960	EPA 8011	356018
2335997028	DUPLICATE 2	EPA 8011	355960	EPA 8011	356018
2335997029	FIELD BLANK	EPA 8011	355960	EPA 8011	356018
2335997001	IGWA	EPA 8260	355824		
2335997002	IGWA-R	EPA 8260	355986		
2335997003	MW-1	EPA 8260	355986		
2335997004	MW-2	EPA 8260	356218		
2335997005	MW-3	EPA 8260	356218		
2335997006	MW-4	EPA 8260	355824		
2335997007	MW-5	EPA 8260	356218		
2335997008	MW-6	EPA 8260	355824		
2335997009	MW-8	EPA 8260	355669		
2335997010	MW-11	EPA 8260	355669		
2335997011	MW-14	EPA 8260	355669		
2335997012	MW-15	EPA 8260	355669		
2335997013	MW-16	EPA 8260	355824		
335997014	MW-17	EPA 8260	355824		



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:

COASTAL TRUCK STOP 76 175929

Pace Project No.:

Date: 04/12/2017 03:28 PM

92335997

ab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
2335997016	MW-19	EPA 8260	355825		
2335997017	MW-21	EPA 8260	355825		
2335997018	MW-22	EPA 8260	355825		
2335997019	MW-22D	EPA 8260	355825		
2335997020	MW-23	EPA 8260	355825		
2335997021	MW-24	EPA 8260	355825		
2335997022	MW-25	EPA 8260	355825		
2335997023	MW-26	EPA 8260	355825		
2335997024	MW-27	EPA 8260	355825		
2335997025	TW-1	EPA 8260	355825		
335997026	TW-2	EPA 8260	355825		
335997027	DUPLICATE 1	EPA 8260	355825		
335997028	DUPLICATE 2	EPA 8260	355986		
335997029	FIELD BLANK	EPA 8260	355824		
335997030	TRIP BLANK	EPA 8260	355825		

Pace Analytical®

Project Manager SRF Review:

Document Name:

Sample Condition Upon Receipt(SCUR)

Document No.: F-CAR-CS-033-Rev.01

Document Revised: Sept. 21, 2016

Page 1 of 2

Issuing Authority:
Pace Quality Office

Laboratory receiving	ng samples:									-
Ashevill		Greenwo	od 🗌		Hunte	rsville 🗵	Raleigh		Mechanio	sville
						1.17)#:92	225	997	
Sample Condition Up	on Client Name: /	MEG	1			M	J# · 32			
Receipt					P	roject#:				
Courier:	Fed Ex	UPS U	SPS		Clie	nt 923	35997	11 41 88 81		
Commercial	⊠ Pace	□ 0	ther:	_						
Custody Seal Present?	☐Yes ☑No	Seals Intact?		Yes	⊠No		·		Po	Metr
Packing Material:	Bubble Wrap	 Bubble Bags		None	По	Date/ Other:	Initials Person I	Examining Co	ontents: 1	4-13/1
Thermometer:		,		₩Wet			[[Samal	os on lea		Tarabaran
☐ IR Gun ID: Correction Factor:	Cooler Temp Correct	Type	of Ice:	C'C				es on ice, coo		_
Temp should be above fro	eezing to 6°C	ted (C).	k	o .	_	Biological Tis	sue Frozen?	Yes	Мо	_N/A
USDA Regulated Soil (N/A, water sample)	11 10 14 1								
Did samples originate in a c	luarantine zone within the	United States: C	A, NY, or	SC (check	(maps)?	Did samples of	originate from a vali and Puerto I	foreign sour		onally,
							omments/Disci		⊠ No	
Chain of Custody Present?		⊻Yes	□No	□n/a	1.					
Samples Arrived within Holo	f Time?	Yes	□No	□N/A	2.					
Short Hold Time Analysis (<	72 hr.)?	Yes	⊠No	□N/A	3.					
Rush Turn Around Time Rec	quested?	□Yes	XNo	□N/A		-				
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.	1 S				
Samples Field Filtered?		∐Yes	No	□N/A	i — —	Note if sediment is	visible in the c	dissolved cos	tainar	
Sample Labels Match COC?	R	14/5/17 Yes	No	□N/A	9. /1	VOTING, 6	VO DAT	C J77	71.1.VD	te
-Includes Date/Time/ID/A	nalysis Matrix: //7/T		<u></u>]	as pos	-600		· /	
Headspace in VOA Vials (>5-6		□Yes	No	□N/A	10.					
Trip Blank Present?		Yes	□No	□N/A	11.	mails to				
Trip Blank Custody Seals Pres	ent?	□Yes	XNo	□N/A						
CLIENT NO	TIFICATION/RESOLUTION					. 1	Field Data	Required?	□Yes □N	lo
Person Contacted:					D:	ite/Time:				
Comments/Sample										
Discrepancy:						(4.19.1824)				
						5 F				
		3.0								
Project Manager SCUR	F Review:		-			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.

Date:



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

WO#: 92335997

PM: RWC

Project #

Due Date: 04/12/17

CLIENT: 92-MIDLAND

*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

_			1	_		-				,		,	,		_					-								-
ltem#	8P4U-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) (CI-)	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) (CI-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (CI-)	AG15-1 liter Amber H2SO4 (pH < 2)	AG35-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCI (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	Cubitainer	VSGU-20 mL Scintillation vials (N/A)	GN
1																6			240									
2						/										G												
3					1	/										6												
4																6								J				
5																6												
6													7			6												
7												-			7	6				•								
8															1	6			==					V				
9					7		7	7					1												1			
10					1	1	1	1					7		1	6					1				1			
11					7		1								7									1				
12					1	7	1	1							1					1				1	1			

		рН Ас	justment Log for Pres	erved Samples		
Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot#
				-		



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:

Due Date: 04/12/17

Project !

CLIENT: 92-MIDLAND

*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

																						<u> </u>	<i>)</i>					
Item#	BP4U-125 mL Plastic Unpreserved (N/A) (CI-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP35-250 mL Plastic H2SO4 (pH < 2) (CL.)	BP3N-250 mL plastic HNO3 {pH < 2}	BP32-250 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) (CI-)	AG1H-1 liter Amber HCI (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG15-1 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 HCI (N/A)	VG9T-40 mL VOA Na25203 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	Cubitainer	VSGU-20 mL Scintillation vials (N/A)	GN
1																												
2											1					6												
3																6			4									
4											V					6												
5														1		6												
6						1										6												
7					1											6			7)	22								
8																6												
9							V						J		J				82. :									
10						T							V	V		6								7				
11																6								J	1			
12															1	0								1				

	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#									
				Ť											



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

Project W0#:92335997

PM: RWC Due Date: 04/12/17

CLIENT: 92-MIDLAND

*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

	1					1	1			Т.				1	,			- 1							.,			
lb	BP4U-125 mL Plastic Unpreserved (N/A) (CL)	8P3U-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) (CI-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP32-250 ml, Plastic ZN Acetate & NaOH (>9)	BP3C-250 mL Plastic NaOH (pH > 12) (CI-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (CI-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (CI-)	AG15-1 liter Amber H2SO4 (pH < 2)	AG35-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCI (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
1																6												
2																6								/				
3							1				1					6			14.									
4					7	1					1		1		1	6					\dashv							
5								1			1	7				6												
6					1	1	1	1			1	_	7	1									\dashv		7		_	
7					7	7		1			1		1	1	1	6		+					1	7	1		+	
8					1		1	1			1		1	1	7	3						1	_	7		\dashv		
9					1	1	1	1		1	1	1	7	1		5				+	+	+		1	1		\dashv	\dashv
10					1	1	1			1	1	1	1	1	X			\dashv	+		+		+	7	1	+	-	-
11	1				1	1	1	1		+	1	1	1	1		0	+		+	+			+	7	1	+	\dashv	
12	1				1	1	1	1		+	1		1	1		2	-					+	+	7	7			-

		,	erved Samples		
Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot#
_	ype of Preservative	ype or Preservative pH upon receipt	ype or Preservative pH upon receipt Date preservation adjusted	The presentation	Attibulit of Preservative



CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

62

Section A	Section B			r	Jo C							
Required Client Information:	Required Project Information:	:	Section C	F	Page: 1 of 3 g							
Company: MECI	Report To:	ane	Invoice Information: Attention:	, h	2019071							
Address: 231 Dooley Rd	Сору То:		Company Name:									
Lexington Sc 2920)			Address;	REGULATORY AGEN	NCY							
SLCEMECT. NEL	Purchase Order No.:		Pace Quote	NPDES GRO	GROUND WATER DRINKING WATER							
Phone: 503 808 2043 Fax:	Project Name:	0 5 - 1	Reference:	WUST RCF	CRA OTHER							
Requested Due Date/TAT:	Project Number:	al Truck Step 76	Pace Profile #:	Site Location								
	12-	5729	Page Pfoliig #:	STATE: 5	C Florence							
Section D Matrix C	odae		Requested	Analysis Filtered (Y/N)								
Required Client Information MATRIX /	COOR DW DW DW DW DW DW DW DW DW DW DW DW DW	COLLECTED	Preservatives >		丁							
Drinking Water Water	CODE GOODE G											
Wasie Water Product	WW BH CO	OMPOSITE COMPOSITE START ENDIGRAS	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$									
SAMPLE ID Soil/Solid	See valid		74 TAINERS 74 ST TEST \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		457							
(A-Z, 0-9 / ,-) Wipe Air Sample IDs MUST BE UNIQUE Tissue	4D W	ATC			1 g 97355							
Other	MATRIX CODE SAMPLE TYPE	EWP	ATY SE ST SE		lori							
##	IRIX PLE		HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH									
	A A DATE	E TIME DATE TEMP AT	# OF CONTAINERS Unpreserved H2SO4 HNO3 HNO3 HNO3 HACI NaOH Na ₂ S ₂ O ₃ Methanol Other Analysis Test 4 STEX IV, IV 8 L2 OCA 825 OXYS 8260 EDG 801		sidu							
1 IGWA	wr G	W417 11:46			Pace Project No./ Lab I.D.							
2 JGWA-R		12:05	6 6 XXX		1000R OU							
3 MW-1		12:36	╂┼┼┼┼┼┼ ┤╏ ╟╎┖╎		ODOR (102							
4 MW-Z		12:17	╂┈┼╌┼╌┼┼┼┼┼┼┼┼┼		ODOR W?							
5 MW-3		11:47			ODOR GOV							
6 Mw - 27		12:14			ODOR UOS							
7 MW-5					Slight odor euc							
8 MW-6	WT G	4/4/15 4:51			slight adulted							
9 Mw - 7			C X X X X		No odu UVE							
10 mw-8	WTC	4/4/17 11:58	6 6 ××××		Not sampled							
12 Mw - 10					No odor OCT							
ADDITIONAL COMMENTS					Not Sampled							
TOTAL COMMENTS	RELINQUISHED B	AFFILIATION DATE	TIME ACCEPTED BY / AFFILIATION	DATE TIME	Not sampled							
	156V-1	1/5/17	Para la la la la la la la la la la la la la		SAMPLE CONDITIONS							
and the second s	& Julms	///	333 Poly Pace	4-512 823								
		11.31	1777 PAREENCE	45717 12-32	2.6 4 ~ 4							
			· ·	16 847 103								
	<u> </u>	CAMPAGE										
OR	IGINAL	SAMPLER NAME AND SIGNATURE			0 5 9 5							
		PRINT Name of SAMPLER:	Chris Hansen		ved on YM) red on YM) cooler Cooler N)							
*Important Note: By storage this form you	- D	SIGNATURE of SAMPLER:	DATE Signed	1.6.1.	Temp in *C Received on Ice (YIN) Custody Sealed Cooler (YIN) Samples Inlact (YIN)							
*Important Note: By signing this form you are accepting	g Pace's NET 30 day payment term	is and agreeing to late charges of 1,5% per month for	or any invoices not paid within 30 days.	- PELI 7	F-ALL-Q-020rev.07, 15-May-2007							

Pace Analytical www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Rec	ction A quired Client Information:	Regulford Project Information								Section C												Page: Z of 3 9 8									
4	npany:	Report To:		(2						Invoice Information:																					
Ado	1785: 231 Doday Rd.	Copy To: A								Company Name:													2019073								
Le	prington sc 29201									REGULATORY /												AGENCY									
Em	ILE MECHAEL	Purchase Order No.:								ce Qual	n									-	NPDES	3	GF	ROUNI	OUND WATER DRINKING WATER						
Pho	no:	Project Name:							Reference:											1	UST	1	RC	RA OTHER							
Rec	Uested Due Date/TAT:	Project Number:					men 2400 16					Pace Project Manager: T. CCT3*										on				spense j					
		r roject ivoi	mper	- 1	7 - 59	729					Pace Profile #:									STATE:						FI	رو				
	Section D								Requested A											Analy	/sis Fi	tere	d (Y/N	4)							
	Required Client Information MATRIX /		(that	<u>₹</u>		COLL	ECTED		ı			Prese	m . a d			Y/N									1				İ		
	Drinking Water Water	r DW WT	des to	2					ŀ		ΤÉ	-1626	rvau	ives	_	-	-	+	+	\vdash	++	+		_	-						
	Waste Water Product	ww	(see valid codes to left)	(G=GRAB C=COMP)	COMPO		COMPO	SITE S									2												- 1		
	Soil/Solid	P SL OL	ee va	GR.	JIM	.,	12002/45	COLLECTION									3	9	3						2		-99	7			
	(A.7.0.04) Wipe	WP		9						2			1			st 🖈	JA 82601	82400	SO TO						S	923	30''				
	Sample IDs MUST BE UNIQUE Tissue	AR TS	CODE	PE				SAMPLE TEMP AT	1 2							Ĕ	Kan-		PX						orin	100	-				
∓ t:	Olher	ОТ	×	SAMPLE TYPE				1	18						5		2	\$							ည်				1		
ITEM #			MATRIX	MPL				P. P.	Ų.	ores	o	ပ္ပါ_	표	Szo	6 5	aly	四	4	びん						dua	1					
1	MW-10R		Ž	S	DATE	TIME	DATE	TIME S	1 C #	5	H ₂ SO ₄	를 모	Na(Na ₂ S ₂ O ₃	Other	Analysis Test	BTEX	2	£03						Residual Chlorine (Y/N)	Pace	Project	No./ Lat	ı.D.		
2	MW-11		=						<u> </u>								_								-		Samo				
3	MW-14		<u> </u>	5			4 417	9:56	6			6					× į	%	دير				$\top \top$		T		due				
4	MW-15		1					10:40	\coprod				Γ				П	111	1			\top			1		40C				
5	MW-1L		+	\mathbb{H}				10131	П								Π					1			Т		do(D				
6	MW-17		1	11				10:48	Ш								Π	П	T	\Box		\top			T		100 0				
7			_	1				11:03	Ц							ll		П	11			\top			\top		+ odu		4		
8	MW-18		<u> </u>	7			V	11:25	J				,				J,		·						T		dur	013			
9	MW - 20		WT	6			ululia	10:16	6			1					X:	X X	4X						\top	NO 0		016			
10						-			L					LE PRODUCTION													Samp				
11	MW-21 MW-22		W	6			4/4/17		6	,		6					X.	ز کر				\top				NOC		01)		
12			WT	-			4/4/17		6			6					X.	XX	- 2		7	1	1	\neg	+		der				
	ADDITIONAL COMMENTS			ر)			4/4/17	11:40	6			6					X	××	-			\top	+ +	_	+-	V10 (19			
	THE THE COMMENTS	+=	REL	INQU	ISHED BY /	AFFILIATIO	DN	DATE		TIME				ACCE	PTEC	BY/	AFFI	LIATI	ON		DATE	\top	TIME				LE CONDIT				
17W.11/2 4								4/5/17	8	5:2	>	1	fe.	De	NE	~~~		Po	عن		1-5-13	2	83	<u> </u>							
of grelong								4-6-12	12	33			0,	06	1	1.77	16	15/	/		1511			-				-			
							ــــــــــــــــــــــــــــــــــــــ	1 1	1	10	-		-1	7	PC	درن	- [- 9	75/1	47	(3-3	5 2	-6	4	~	4			
			<u> </u>				-		├		\dashv								_	_								1			
	(m) (m)	IGINAL				SAMPLER	R NAME A	ND SIGNATUR	L E															_							
	CH	IAMIDI	-		ľ			NT Name of SAMPLER: Chris Hansu													ii.	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Intact	(N/A)						
					İ			E of SAMPLER		<u></u>	7 7 .		7/				DAT	E Sig	ned		,	1		_	Temp ii	ceive :e (Y	led C	selc	<u>ال</u> ا		
	"Important Note: By signing this form you are accepting	g Pace's NE	T 30 a	day pay	L ment leims a	nd agreeing b	n late charge	of 4 502 man		1	_	1	-	_	,	\perp	(MM	I/DD/	/Υ):	04	64	17			Te.	R. A.	Seal	Samp			
						· september of	= म्याव्य जाताचेहा	on the select mont	i ithri	any invo	HCBS I	not paid	within	i 30 day	γs.					_				F	-ALL-	Q-020rev.	07, 15-May	-2007			



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

www.pacelabs.com						THE OHE	ini-or-Custody is	aLE	SAL D	ocu	JMEN'	T. Ali	releva	int fie	elds n	must I	oe comp	oleted	accurate	y.							of 62		
Section A Required Client Information:	Required Project Information:								Section C Invoice Information:													Page: 3 of 3							
Company: MFCI	Report to:								Attention;															3 ° 3 ° 2019072					
231 Dooley Rd.	Copy To:							Con	Company Name:																				
Lexington SC 29201 Email To: Email T								Add	Address;											REGULATORY AGENCY									
Email To: DECE MECT. net	Purchase Order No.:																		NPD	ES	GR	ROUND WATER DRINKING WATE							
Phone: SUS 2043 Fax:							Pace Quote Reference:										9	UST	1	RCI	CRA TOTHER								
Requested Due Date/TAT:	Project Number						Pace Project Manager: T - Corting											Site Loca	ation										
	17- 5929							Pace	Profile	9 #:								7	STA	TE:		><	_	FI	ve				
Section D Matrix C		$\overline{}$	_					_	_							Re	quest	ed A	nalysis I	Filtere	d (Y/N)	T						
Required Client Information MATRIX /	CODE	(see valid codes to left)	(MP)		COLLE	CTED		ı		D	reser	szaficz		ľ	N X					П		T	1						
Drinking Wate Water	or DW WT	sepo	(G=GRAB C=COMP)				- Z		\vdash	ΓŤ	16961	valive	es		۶	-	+	_	++	+	++	-	╀						
Waste Water Product	WW	alido	AB	COMPOSI START	TE	COMP(OSITE SRAB									OI	의												
SAMPLE ID Soil/Solid Oil	SL OL	(see v	GR				OSITE GRAB	1							_	87663	82601S	싴					Residual Chiorine (Y/N)		35	00	2		
(A-Z, 0-9 / ₁₋₂) Wipe	WP		10					Ä	Ш						55		22	801/			1 1		e e	^	15	-0))	"		
Sample IDs MUST BE UNIQUE Tissue Other	AR TS OT	CODE	ΓΥPE				TEMP	ΙĀ	ed						5	2	الأاع	w					ilori	40	551				
# January TEM	•	×	J.E.				1 5	S S	Sen	**			를		ysi	7 6	3	0					0	, -					
E		MATRIX	SAMPLE TYPE	DATE			SAMPLE	# OF CONTAINERS	Pre	H ₂ SO ₄		NaOH Na-S-(Methanol	her	Analysis Test	PTEX.	2 200	EDG					idue						
1 My-23		WT	-	DATE	TIME	DATE		1-7-	12	II		ŽΖ	ΣŽ	ō,	3	4							Re Re	Pace	Project	No./ La	ab I.D.		
2 MW-24		7	1			4/4/17	 	6	-	- -	6		$\perp \perp$		2	×()	41	×							dur				
3 MV-25							9:57	-	\vdash	-	+		- -			1	Ш								doc				
4 MW-26		T	Н		-	1-	9:55	-	-	+	+	-	\perp	4		Щ									duc		7		
5 MV-27		wt	6		- 1	1/1/12	9:47	1	+	+	1		+	_		1 1	L	<u> </u>				2			tur	27_	3		
6 Mw- 28		241			- 1	(M 11/	9:47	6	H	-	6	- -	+	_	- 12	X >	447	4							in	UZ	9		
7 TW-1		WT	6			della	12:32	7							ŧ							-70			- Suv	roled	,		
8 TW-2			1			11-21.7	12:09	6	-	-	6	_	+	_	2	<u> </u>	X	$\!\!\!\!\!/\!\!\!\!\!\perp$	11				V)O 6	200	325			
9 Pupicase 1 10 Dupicase 2						_	11147	6	\vdash	+	6	+	++	4	K	X	174	1					V	100	du	57	4		
					$\overline{}$	1	12:06	6	\vdash	+	6	+	┼┼	-	12	\times	12/2		+		\perp		L	up 1	(15	-		
11 Field Blank		L	V			V	12:40	6		+	6	+	++	\dashv		XX	7//	4			1			up 2		.57	8		
12 Trip Blank		wP	6		L	14/17	12:42	2	\vdash	+	9	+-	++	\dashv	2	<u> </u>	44	4_					Ŀ	.8.	ن _	29			
ADDITIONAL COMMENTS		REL	INQUI	SHED BY AF	FILIATIO	V	DATE	-	IME				CEDI			<u> </u>	IATION							B	. (130			
	5	75)	10	1.11	1		4/5/17			+		N.C	J.CEPI	EDE	SYIA				DATE		TIME			SAMPL	E COND	TIONS			
	1	Ź		λ = 0)) 				23		λ	-\}	N/V	N	}		dice	2	4-54	7	823								
	-	*	- 7.7	Mu	M.	(Ce	4.5-17	15	33		U	Ü	14	26	al	6	400	,	4/5/1		2-32			.					
		<u>'U</u>	0										7					-	4-11	116	5.35	D.,	4 (1-	2	14			
																-			 	_		+-				<u> </u>			
OR .	GINAL	-		SA	AMPLER	NAME A	ND SIGNATURE															+-							
					P	RINT Nam	e of SAMPLER:	0	h	20	140	W5-	t.n.						-			U E		Ice (Y/N)	Custody Sealed Cooler (Y/N)	1	(YIN)		
					SI	GNATUR	E of SAMPLER:		3	-	***	-/	~ ~ ~]_[DATE	Signod			,		Temp ir		Ce (X)	Susto led C (Y/N)	100	(XIN)		
"Important Note: By signing this form you are accepting	g Pace's NE	T 30 d;	ау раус	nent terms and a	agreeing to t	ate charge.	of 1.5% per month	for any	2		-10			Ni Autonomonia		(MM/I	DD/YY):	Dr.	1/04	117			- 6	2 =	Sea	000			

APPENDIX C:

TAX MAP (Not Applicable) APPENDIX D:
SOIL BORING/FIELD SCREENING LOGS & 1903 FORMS
(Not Applicable)