

TABLE 2B

Historical Laboratory Analytical Results - 8-Oxygenates
 Former Highway 11 Grocery
 13527 North Highway 11
 Salem, Oconee County, South Carolina
 UST Permit #03439; Cost Agreement #63929
 BLE Project No. J21-10768-07

Well	Date Sampled	Free Product Thickness	Tert-Amyl Methyl Ether (TAME) (µg/L)	Tert-Amyl Alcohol (TAA) (µg/L)	Tert-Butyl Formate (TBF) (µg/L)	Tert-Butyl Alcohol (TBA) (µg/L)	Diisopropyl Ether (IPE) (µg/L)	Ethanol (µg/L)	Ethyl-Tert-Butyl Ether (ETBE) (µg/L)	Ethyl-Tert-Butyl Alcohol (ETBA) (µg/L)
SC DHEC RBSL			128	240	NE	1,400	150	10,000	47	NE
03439-DMW01	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA
	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA
	4/27/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	12/13/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	5/14/2013	---	<10	<100	NA	<100	<5	NA	NA	NA
	10/3/2017	---	<0.10	<50.0	<1.9	<3.6	<0.12	<131	<0.070	<50.0
2/14/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0	
3/10/2020	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0	
7/8/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0	
03439-DMW02	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA
	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA
	4/27/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	12/13/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	5/14/2013	---	<10	<100	NA	<100	<5	NA	NA	NA
	10/3/2017	---	<0.10	<50.0	<1.9	<3.6	<0.12	<131	<0.070	<50.0
2/14/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0	
3/11/2020	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0	
7/7/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0	
03439-DMW04	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA
	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA
	4/27/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	12/13/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	5/14/2013	---	<10	<100	NA	<100	<5	NA	NA	NA
	10/3/2017	---	<0.10	<50.0	<1.9	<3.6	<0.12	<131	<0.070	<50.0
2/14/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0	
3/10/2020	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0	
7/8/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0	
03439-RW01	12/13/2010	---	586	3,850	NA	5,200	373	NA	NA	NA
	5/14/2013	0.04	Not Sampled Due to the Presence of Free Product							
	10/3/2017	---	551 J	<12,500	<472	<905	327	<32,800	<17.5	<12,500
	2/13/2019	---	470 J	<1,600	<400	<1,600	190 J	<10,000	<80	<1,600
	3/11/2020	---	140 J	<800	<200	140 J	53 J	<5,200	<40	<800
	7/8/2021	---	120 J	<160	<40	170 J	45	<1,000	<8.0	<160
03439-RW02	12/13/2010	0.02	Not Sampled Due to the Presence of Free Product							
	5/14/2013	0.30	Not Sampled Due to the Presence of Free Product							
	10/2/2017	0.61	Not Sampled Due to the Presence of Free Product							
	2/13/2019	0.03	Not Sampled Due to the Presence of Free Product							
	3/11/2020	---	1,200 J	<4,000	<1,000	2,100 J	540	<26,000	<200	<4,000
7/8/2021	---	37 J	<400	<100	86 J	<20	<2,600	<20	<400	
03439-RW03	12/13/2010	---	454	<5,000	NA	<5,000	284	NA	NA	NA
	5/14/2013	---	420	870	NA	<10,000	260	NA	NA	NA
	10/2/2017	NA	Well Dry at Time of Sampling Event							
	2/13/2019	---	12.0	31.0	<2.0	22.0	6.4	<52	<0.40	<8.0
	3/11/2020	---	30 J	<400	<100	42 J	<20	<2,600	<20	<400
7/7/2021	NA	Well Obstructed								
03439-RW04	12/13/2010	---	259	581	NA	764	203	NA	NA	NA
	5/14/2013	---	650	1,700	NA	1,400	370	NA	NA	NA
	10/3/2017	---	<1.0	<500	<18.9	<36.2	3.9 J	<1,310	<0.70	<500
	2/13/2019	0.01	Not Sampled Due to the Presence of Free Product							
	3/11/2020	---	110 J	<800	<200	160 J	54 J	<5,200	<40	<800
7/8/2021	---	32 J	<160	<40	61 J	15 J	<1,000	<8.0	<160	

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 Former Highway 11 Grocery
 13527 North Highway 11
 Salem, Oconee County, South Carolina
 UST Permit #03439; Cost Agreement #63929
 BLE Project No. J21-10768-07

Well	Date Sampled	Free Product Thickness	Tert-Amyl Methyl Ether (TAME) (µg/L)	Tert-Amyl Alcohol (TAA) (µg/L)	Tert-Butyl Formate (TBF) (µg/L)	Tert-Butyl Alcohol (TBA) (µg/L)	Diisopropyl Ether (IPE) (µg/L)	Ethanol (µg/L)	Ethyl-Tert-Butyl Ether (ETBE) (µg/L)	Ethyl-Tert-Butyl Alcohol (ETBA) (µg/L)
SC DHEC RBSL			128	240	NE	1,400	150	10,000	47	NE
03439-RW05	5/14/2013	1.39	Not Sampled Due to the Presence of Free Product							
	10/2/2017	0.38	Not Sampled Due to the Presence of Free Product							
	2/13/2019	0.20	Not Sampled Due to the Presence of Free Product							
	3/10/2020	0.25	Not Sampled Due to the Presence of Free Product							
	7/7/2021	0.21	Not Sampled Due to the Presence of Free Product							
03439-RW06	5/14/2013	3.24	Not Sampled Due to the Presence of Free Product							
	10/2/2017	3.74	Not Sampled Due to the Presence of Free Product							
	2/13/2019	1.09	Not Sampled Due to the Presence of Free Product							
	3/10/2020	0.31	Not Sampled Due to the Presence of Free Product							
	7/7/2021	0.48	Not Sampled Due to the Presence of Free Product							
03439-RW07	5/14/2013	4.99	Not Sampled Due to the Presence of Free Product							
	10/2/2017	0.83	Not Sampled Due to the Presence of Free Product							
	2/13/2019	1.30	Not Sampled Due to the Presence of Free Product							
	3/10/2020	1.44	Not Sampled Due to the Presence of Free Product							
	7/7/2021	0.08	Not Sampled Due to the Presence of Free Product							
03439-RW08	5/14/2013	---	430	<50,000	NA	<50,000	250	NA	NA	NA
	10/3/2017	---	<0.20	<6.7	<1.0	<6.7	<0.40	<33	<0.20	<5,000
	2/13/2019	---	<84	<1,600	<400	<1,600	<80	<10,000	<80	<1,600
	3/11/2020	---	<84	<1,600	<400	<80	<80	<10,000	<80	<1,600
	7/7/2021	---	<84	<1,600	<400	120 J	<80	<10,000	<80	<1,600
03439-RW08 Dup	7/7/2021	---	<84	<1,600	<400	97 J	<80	<10,000	<80	<1,600
03439-RW09	5/14/2013	0.60	Not Sampled Due to the Presence of Free Product							
	10/2/2017	0.04	Not Sampled Due to the Presence of Free Product							
	2/13/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
	3/11/2020	---	<42	<800	<200	<40	<40	<5,200	<40	<800
	7/7/2021	---	<84	<1,600	<400	<80	<80	<10,000	<80	<1,600
03439-RW10	5/14/2013	---	300	<50,000	NA	<50,000	210	NA	NA	NA
	10/3/2017	---	<10.0	<5,000	<189	<362	58.1 J	<13,100	<7.0	<5,000
	2/13/2019	---	1.2 J	13 J	<2.0	<8.0	0.97 J	<52	<0.40	<8.0
	3/11/2020	---	45 J	<800	<200	<40	<40	<5,200	<40	<800
	7/7/2021	---	69 J	630 J	<100	69 J	40 J	<2,600	<20	<400
03439-RW11	5/14/2013	---	350	<50,000	NA	<50,000	<5,000	NA	NA	NA
	10/2/2017	0.04	Not Sampled Due to the Presence of Free Product							
	2/13/2019	---	130 J	900 J	<200	<800	75 J	<5,200	<40	<800
	3/12/2020	---	96 J	<1,600	<400	<80	<80	<10,000	<80	<1,600
	7/8/2021	---	76 J	940 J	<200	85 J	<40	<5,200	<40	<800
03439-RW12	5/14/2013	---	390	<20,000	NA	<20,000	240	NA	NA	NA
	10/3/2017	---	<5.0	<2,500	<94.5	<181	17.3 J	<6,550	<3.5	<2,500
	2/13/2019	---	6.1 J	62 J	<10	<40	4.9 J	<260	<2.0	<40
	3/12/2020	---	25 J	<400	<100	<20	<20	<2,600	<20	<400
	7/8/2021	---	52 J	500 J	<100	55 J	26 J	<2,600	<20	<400
03439-RW13	5/14/2013	---	230	<5,000	NA	<5,000	140	NA	NA	NA
	10/3/2017	---	<1.0	<500	<18.9	<36.2	<1.2	<1,310	<0.70	<500
	2/13/2019	---	0.97 J	8.1 J	<2.0	<8.0	1.1 J	<52	<0.40	<8.0
	3/11/2020	---	13 J	170 J	<40	<8.0	<8.0	<1,000	<8.0	<160
	7/7/2021	---	8.0 J	150	<10	12 J	5.6	<260	<2.0	<40
03439-RW14	10/2/2017	0.42	Not Sampled Due to the Presence of Free Product							
	2/13/2019	2.36	Not Sampled Due to the Presence of Free Product							
	3/10/2020	2.45	Not Sampled Due to the Presence of Free Product							
	7/7/2021	0.68	Not Sampled Due to the Presence of Free Product							
03439-RW15	10/2/2017	1.09	Not Sampled Due to the Presence of Free Product							
	2/13/2019	0.09	Not Sampled Due to the Presence of Free Product							
	3/10/2020	0.04	Not Sampled Due to the Presence of Free Product							
	7/7/2021	0.08	Not Sampled Due to the Presence of Free Product							
03439-RW16	10/2/2017	1.11	Not Sampled Due to the Presence of Free Product							
	2/13/2019	---	<84	<1,600	<400	<1,600	<80	<10,000	<80	<1,600
	3/12/2020	---	<210	<4,000	<1,000	<200	<200	<26,000	<200	<4,000
	7/8/2021	---	250 J	1,600 J	<400	210 J	140 J	<10,000	<80	<1,600
03439-RW17	10/2/2017	NA	Not Located / Not Accessible / Under Fallen Tree							
	2/13/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
	3/12/2020	---	11	700	<2.0	17 J	8.8	<52	<0.40	<8.0
	7/8/2021	---	<84	<1,600	<400	<80	<80	<10,000	<80	<1,600

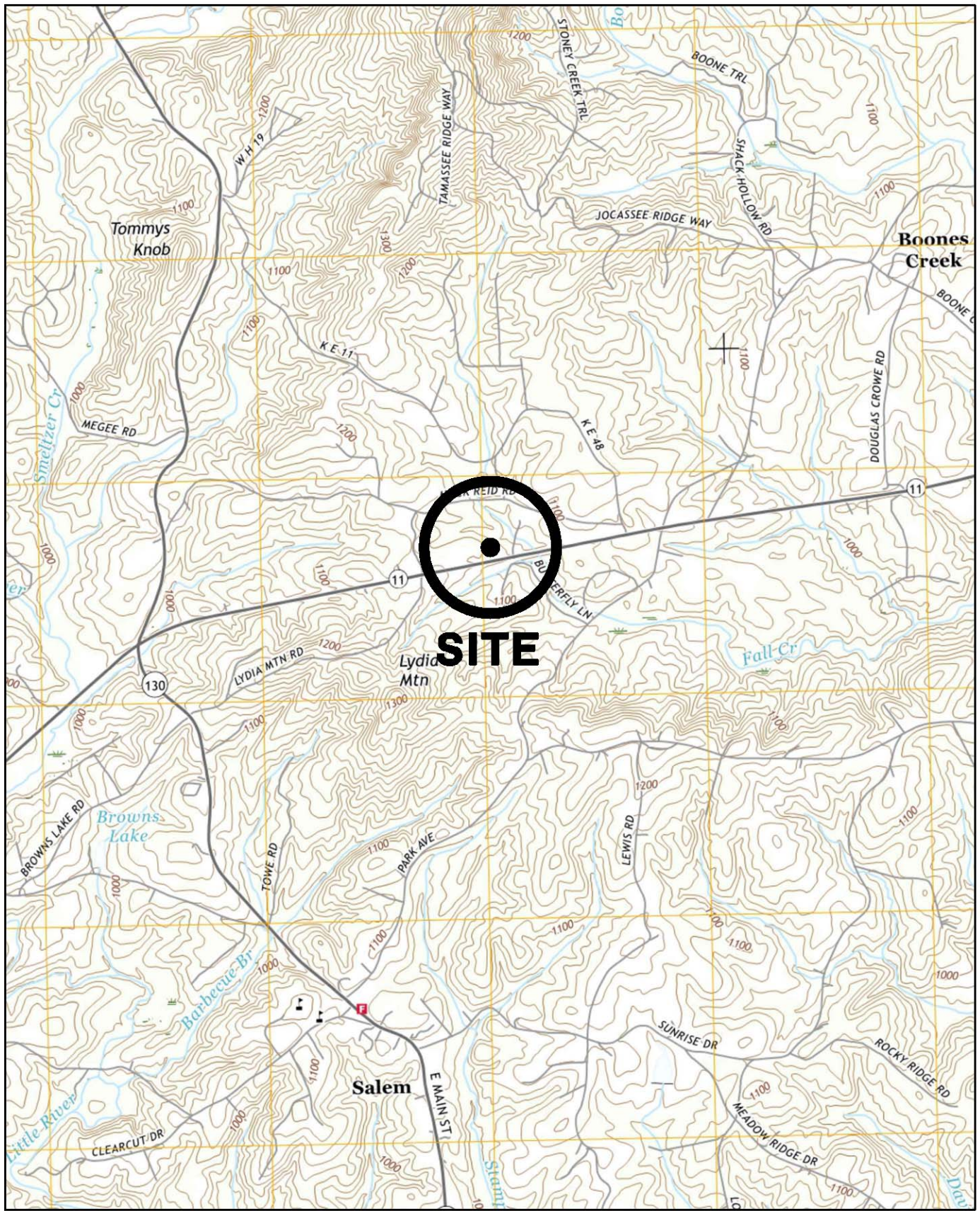
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Well	Date Sampled	Free Product Thickness	Tert-Amyl Methyl Ether (TAME) (µg/L)	Tert-Amyl Alcohol (TAA) (µg/L)	Tert-Butyl Formate (TBF) (µg/L)	Tert-Butyl Alcohol (TBA) (µg/L)	Diisopropyl Ether (IPE) (µg/L)	Ethanol (µg/L)	Ethyl-Tert-Butyl Ether (ETBE) (µg/L)	Ethyl-Tert-Butyl Alcohol (ETBA) (µg/L)
SC DHEC RBSL			128	240	NE	1,400	150	10,000	47	NE
03439-CK01	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA
	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA
	4/27/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	12/13/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	5/14/2013	---	<10	<100	NA	<100	<5	NA	NA	NA
	10/2/2017	---	<0.10	<50.0	<1.9	<3.6	0.23 J	<131	<0.070	<50.0
	2/13/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
3/12/2020	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0	
7/7/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0	
03439-CK02	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA
	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA
	4/27/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	12/13/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	5/14/2013	---	<1	8	NA	<100	<10	NA	NA	NA
	10/2/2017	---	1.1 J	<50.0	<1.9	<3.6	0.79 J	<131	<0.070	<50.0
	2/13/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
3/12/2020	---	<0.42	<8.0	<2.0	0.58 J	<0.40	<52	<0.40	<8.0	
7/7/2021	---	<0.42	<8.0	<2.0	0.76 J	<0.40	<52	<0.40	<8.0	
03439-CK03	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA
	4/27/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	12/13/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	5/14/2013	---	<1	<100	NA	<100	<1	NA	NA	NA
	10/2/2017	---	<0.10	<50.0	<1.9	<3.6	0.72 J	<131	<0.070	<50.0
	2/13/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
	3/12/2020	---	<0.42	<8.0	<2.0	0.59 J	<0.40	<52	<0.40	<8.0
7/7/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0	
03439-CK04	2/13/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
	3/12/2020	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0
	7/7/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0
03436-Seep-1	3/12/2020	---	33 J	<400	<100	<20	<20	<2,600	<20	<400
	7/7/2021	---	DRY							
03439-WW01	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA
	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA
	4/27/2010	NA	Not Sampled							
	12/13/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	5/14/2013	---	<10	<100	NA	<100	<10	NA	NA	NA
	10/2/2017	---	<0.10	<50.0	<1.9	<3.6	<0.12	<131	<0.070	<50.0
	2/13/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
3/9/2020	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0	
7/8/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0	
03439-WW01 Dup	7/8/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0
Field Blank 01	7/7/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0
Field Blank 02	7/8/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0
Trip Blank	7/7/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0
WSW Field Blank	7/8/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0
WSW Trip Blank	7/8/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0

Notes:
 µg/L = micrograms/liter = approximate Parts Per Billion (ppb)
 Historical analytical results obtained from historical reports obtained from SCDHEC FOI search. BLE is not responsible for the accuracy of this data.
Bold values indicate detections
 Shaded cells indicate concentrations above RBSLs
 RBSL = Risk Based Screening Level
 NA = Not Available / Unknown
 ND = Not Detected
 NE = RBSL has not been established
 NS = Not Sampled

FIGURES



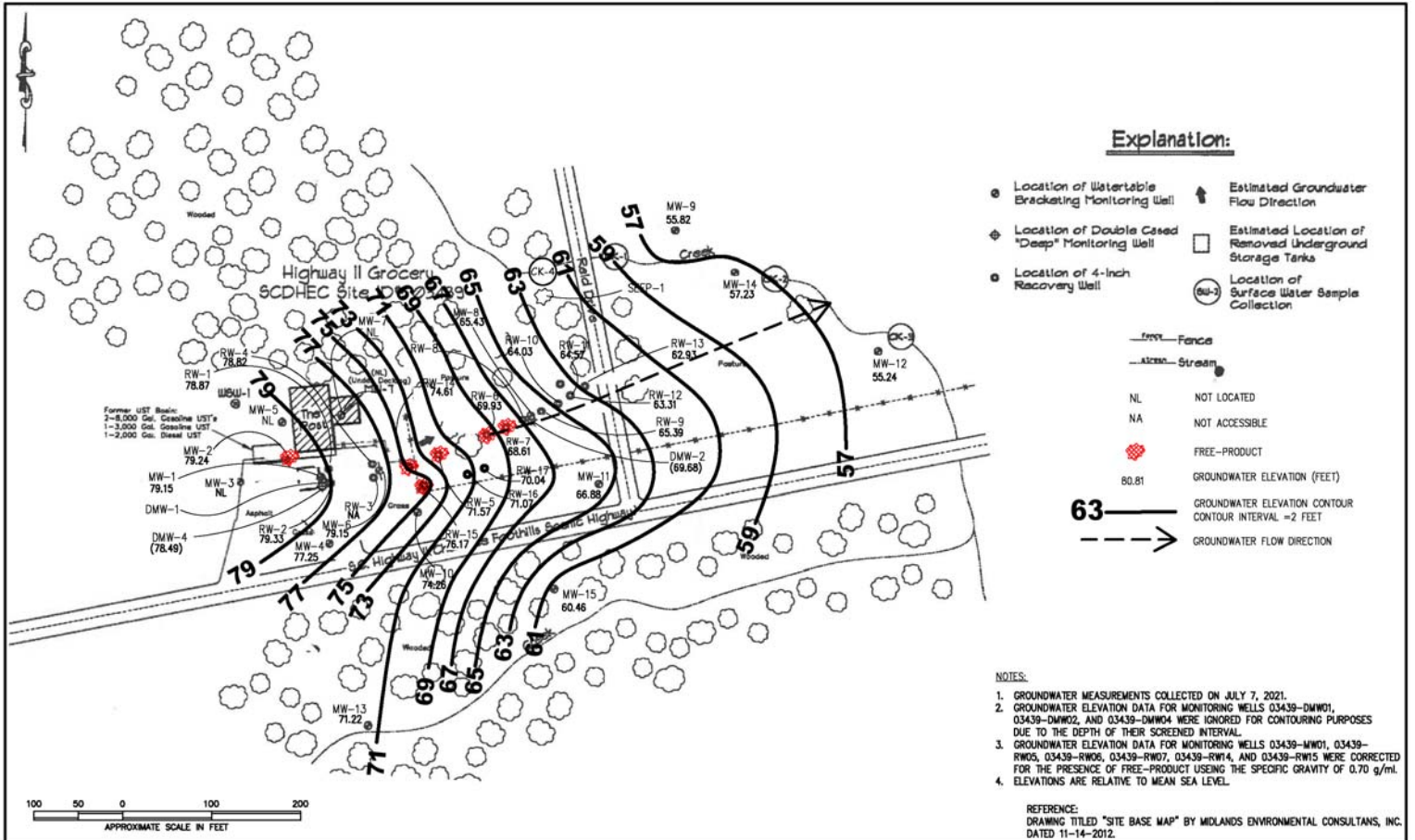
REFERENCE:
 USGS TOPOGRAPHIC MAP, 7.5 MINUTE SERIES,
 SALEM, S.C. QUADRANGLE, PHOTOREVISED 1980.

DRAWN: ACE	DATE: 08-12-21
CHECKED: TES	CAD: FHWHY11GROCERY-07SLM
APPROVED: TJB	JOB NO: J21-10769-07

BLE | **BUNNELL LAMMONS ENGINEERING**
 6004 Ponders Court, Greenville, SC 29615
 Phone: (864) 288-1265 Fax: (864) 288-4430

SITE LOCATION MAP
 FORMER HIGHWAY 11 GROCERY
 UST PERMIT #03439
 13527 HIGHWAY 11 NORTH
 SALEM, SOUTH CAROLINA

FIGURE
1



DRAWN BY:	ACE	DATE:	08-12-21
CHECKED BY:	TES	FILE:	FHWY11GROCERY-07WTM
APPROVED BY:	TJB	JOB NO.:	J21-10769-07

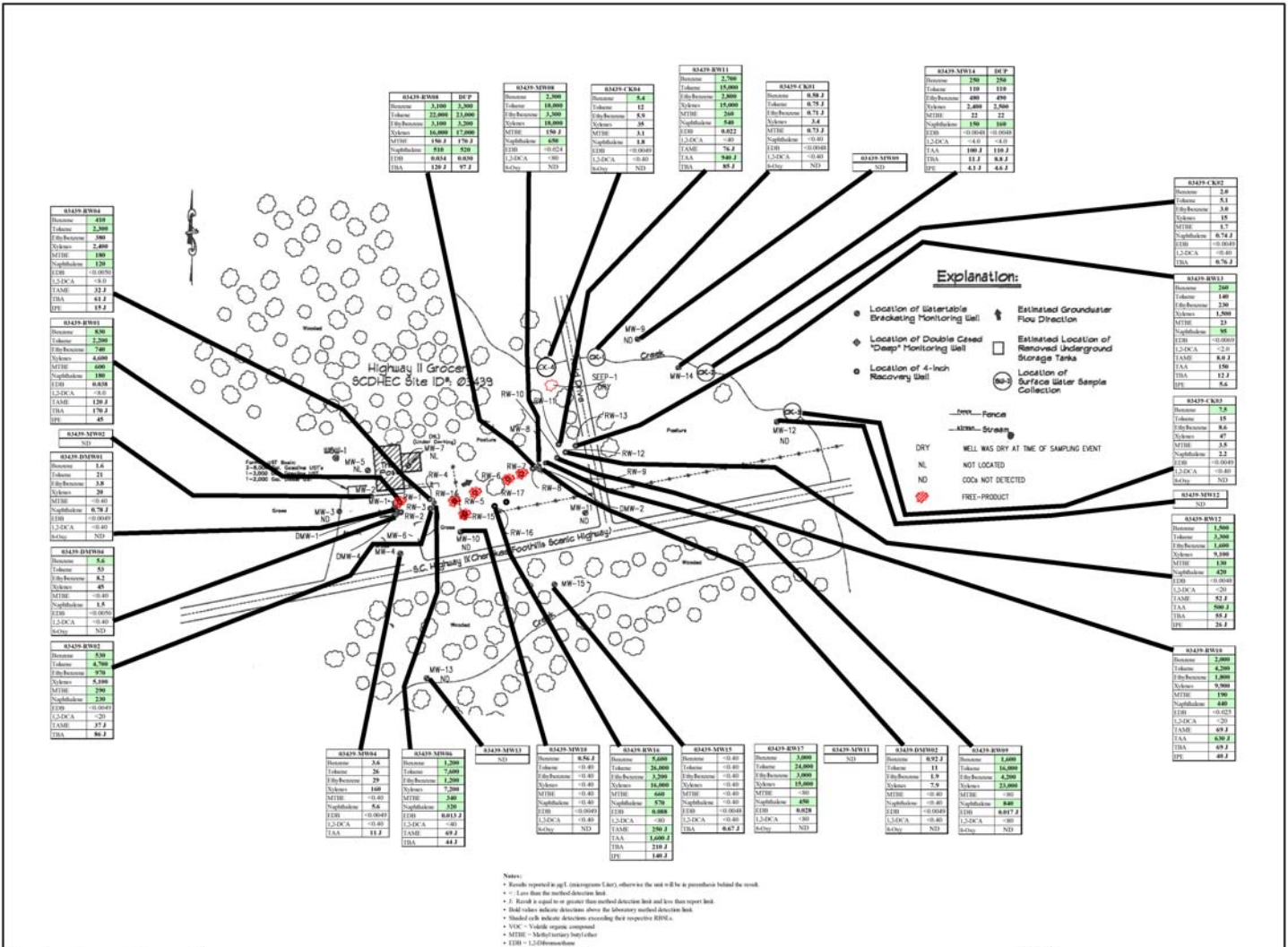
No.	REVISIONS DESCRIPTION	BY

BLE | BUNNELL LAMMONS ENGINEERS

6004 Ponders Court, Greenville, SC 29615
Phone: (864) 289-1266 Fax: (864) 289-4420

GROUNDWATER ELEVATION CONTOUR MAP - JULY 2021
FORMER HIGHWAY 11 GROCERY
UST PERMIT #03439
13527 HIGHWAY 11 NORTH
SALEM, SOUTH CAROLINA

FIGURE
2



REVISIONS		DRAWN:	DATE:	BUNNELL LAMMONS ENGINEERING 6004 Ponders Court, Greenville, SC 29615 Phone: (864) 288-0565 Fax: (864) 288-4400	GROUNDWATER COC MAP - JULY 2021 FORMER HIGHWAY 11 GROCERY UST PERMIT #03439 13527 HIGHWAY 11 NORTH SALEM, SOUTH CAROLINA	FIGURE NO. 3
No.	DESCRIPTION	BY:	ACE			
			08-12-21			
		CHECKED:	TES	CAD FILE:	FHWY11GROCERY-07GCOOC	
		APPROVED:	TJB	JOB NO.:	J21-10769-07	


REFERENCE:
DRAWING Titled "THE BASE MAP" BY MOLANDS ENVIRONMENTAL CONSULTANTS, INC.
DATED 11-14-2012.

APPENDICES

APPENDIX A
DISPOSAL MANIFEST

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. V 3 Q G		Manifest Document No. 1 7 2 7 9	2. Page 1 of 1
3. Generator's Name and Mailing Address Bunnell-Lammons Engineering, Inc. 6004 Ponders Court Greenville, SC 29615				16 Carlisle Dr. Simpsonville, SC	
4. Generator's Phone (864) 288-1265					
5. Transporter 1 Company Name Advanced Environmental Options, Inc		6. US EPA ID Number 3 C R 0 0 0 0 7 4 5 7 5		A. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (864) 488-9111	
9. Designated Facility Name and Site Address Advanced Environmental Options, 25 Stan Perkins Road Spartanburg, SC 29307		10. US EPA ID Number 3 C R 0 0 0 0 7 4 5 7 5		C. State Transporter's ID	
				D. Transporter 2 Phone	
				E. State Facility's ID	
				F. Facility's Phone (864) 488-9111	
11. WASTE DESCRIPTION		Containers		13. Total Quantity	14. Unit Wt./Vol.
		No. Type			
Non-DOT/NON-RCRA Regulated Materials (Contains: Hydrocarbons and Water) (PROF015407)		1 T T		1350	G
b.		0			
c.		0			
d.		0			
G. Additional Descriptions for Materials Listed Above				H. Handling Codes for Wastes Listed Above	
15. Special Handling Instructions and Additional Information a) ERG#: N/A L/- Emergency Contact: David Hitchens 864-488-9111, Cell 864-590-4648 Job #19378					
					
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name Casey Woody				Signature <i>Casey Woody</i>	Date Month Day Year 8 9 21
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Dean Smith	Signature <i>Dean Smith</i>
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name	Signature
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				Printed/Typed Name Chris Connell	Signature <i>Chris Connell</i>
				Date Month Day Year 8 9 21	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

Site Name	Site Address	Site ID	BLE Job #	Total Gallons
One Stop of Coronaca	101 Highway 246 North, Greenwood, SC	04764	7200-13	488
Spinx 119	102 Highway 25, Greenwood SC	12804	6031-14	178
Culp Brothers	212 South White St, Fort Mill, SC	18761	11928-14	33
Spinx 352	4895 Ashley Phosphate Rd, North Charleston	19739	12545-06	42
Highway 11 Grocery	13527 North Highway 11, Salem, SC	03439	10768-07	302
Spinx 109	434-442 Farris Bridge rd, Greenville, SC	10992	6797-14	43
Enmark 270	7853 White Horse Rd, Greenville, SC	10683	7319-10	110
Circle K 2723281	7901 White Horse Rd, Greenville SC	12121	8519-05	198
Quick Pantry 51	2780 ST Matthews St, Orangeburg SC	07006	14995-04	68
Morris Mini Mart 4	Hwy 78, 708 Church St, Williston, SC	00864	11995-03	152
Enmark 815	2580 Hendersonville Rd., Arden, NC	0-007365	7154-14	500
Fleet oil	Hwy 29 Greer Plaza, Greer SC	04373	8536-08	60
Brownies Super Service	3864 S York St, york SC	09210	12338-04	108
Enmark 870 Develop	775 Bells Hwy, Walterboro SC	02576	15466-02	5
Enmark 870 Sample	775 Bells Hwy, Walterboro SC	02576	15466-02	6
Enmark 874 Develop	3304 Roberston Blvd., Walterboro SC	12828	15467-02	5
Enmark 874 Sample	3304 Roberston Blvd., Walterboro SC	12828	15467-02	4
Spinx 130 Develop	1510 Woodruff Rd., Greenville SC	12904	15806-02	13
Spinx 130 Sample	1510 Woodruff Rd., Greenville SC	12904	15806-02	13
PC Blalock Develop	133 Main Street, Ninety Six SC	04782	15599-02	12
PC Blalock Sample	133 Main Street, Ninety Six SC	04782	15599-02	13
Seijs LLC Develop	21500 Hwy 221 N, Laurens SC	16807	16246-01	18
Seijs LLC Sample	21500 Hwy 221 N, Laurens SC	16807	16246-01	12
Shiv of Columbia	3725 N Main St, Columbia SC	7724	9352-10	118
ABF Freight Systems	7424 N Fairfield Rd, Columbia SC	7422	94199-07	51
Spinx 112	1103 Pendleton St, Greenville, SC	12027	10813-06	20
Shiv of Columbia	3725 N Main St, Columbia SC	7724	9352-10	17
Total Gallons	2588			

APPENDIX B

**MONITORING WELL PURGING AND SAMPLING FIELD PROCEDURES AND
MONITORING WELL PURGING AND SAMPLING LOGS**

APPENDIX B - CONTINUED

MONITORING WELL PURGING AND SAMPLING PROCEDURES

The monitoring wells were purged prior to sample collection to remove any stagnant water from the well so that the samples collected were representative of the groundwater quality in the vicinity of each well. For wells that recovered quickly, a minimum of three volumes of water were evacuated. Specific conductance, pH, water temperature, and turbidity were measured periodically during well evacuation using instruments which were calibrated daily. Wells that were evacuated to dryness with less than three well volumes being removed were sampled as soon as the well had recovered enough to yield sufficient volume for a sample.

The monitoring wells were purged using a 3-foot long by 1.6-inch diameter disposable polyethylene bailer attached to an unused polypropylene cord. The wells were also sampled using a bailer as described above. To minimize the potential for cross-contamination between wells, a new clean bailer was used at each well.

Samples were placed in the appropriate laboratory supplied containers and marked with identifying numbers. Samples were maintained at 4°C in a refrigerated sample cooler and shipped to Pace Analytical Services, LLC in West Columbia, South Carolina via courier service for analysis.

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date _____

Field Personnel N. Martellini & G. Davis

General weather Conditions _____

Ambient Air Temperature (°C) _____

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32

serial no. 324976 serial no. 324976

pH = 4.0 4.0 Standard 15,000

pH = 7.0 7.0 Standard 1,413

pH = 10.0 10.0 Standard 447

DO Meter YSI 60 Standard 84

Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

Well # 03439-MW01

Well Diameter (D) 2 inch of 30.00 feet(ft)

conversion factor (C): $3.143 \times (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

*Free Product Thickness _____ ft

Total Well Depth (TWD) 30.00 ft

Depth to Groundwater (DGW) _____ ft

Length of Water Column (LWC = TWD-DGW) _____ ft

1 Casing Volume (LWC*C) = _____ X .17 = _____ gals

3 Casing Volumes = 3 X _____ = _____ gals

(Standard Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals

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

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post

Volume Purged (gallons)									
Time (military)									
pH (s.u)									
Specific Conductivity (OS)									
Water Temperature (°C)									
Turbidity (NTU)									
Dissolved Oxygen (mg/l)									

0.11 FPM'S

Remarks: Well sampled at _____ on _____

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date 7/18/11 Well # 03439-MW02

Field Personnel N. Martellini & G. Davis

General weather Conditions Cloudy

Ambient Air Temperature (°C) 22

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32

serial no. 324976 serial no. 324976

pH = 4.0 4.0 Standard 15.000

pH = 7.0 7.0 Standard 1.413

pH = 10.0 10.0 Standard 447

DO Meter YSI 60 Standard 84

Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

Well Diameter (D) 2 inch of 35.00 feet(ft)

conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

*Free Product Thickness _____ ft

Total Well Depth (TWD) 25.61 ft

Depth to Groundwater (DGW) _____ ft

Length of Water Column (LWC = TWD-DGW) 9.39 ft

1 Casing Volume (LWC * C) = _____ X .17 = 1.60 gals

3 Casing Volumes = 3 X _____ = 4.8 gals
(Standard Purge Volume)

Total Volume of Water Purged Before Sampling 6.0 gals

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

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
---	<u>40</u>	<u>40</u>	<u>5.0</u>	<u>6.0</u>					
Volume Purged (gallons)	<u>10.41</u>	<u>10.43</u>	<u>10.47</u>	<u>10.49</u>					
Time (military)	<u>4:03</u>	<u>4:13</u>	<u>4:22</u>	<u>4:33</u>					
pH (s.u)	<u>6.873</u>	<u>7.889</u>	<u>39.40</u>	<u>38.91</u>					
Specific Conductivity (OS)	<u>17.8</u>	<u>17.7</u>	<u>17.6</u>	<u>17.6</u>					
Water Temperature (°C)	<u>21.2</u>	<u>21.2</u>	<u>11.8</u>	<u>9.99</u>					
Turbidity (NTU)	<u>4.7</u>	<u>5.0</u>	<u>5.1</u>	<u>5.1</u>					
Dissolved Oxygen (mg/l)									

Remarks: Well sampled at 1049 on 7/18

BLE^{INC}

BUNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date _____ Well # 03439-MW03

Field Personnel _____ N. Martellini & G. Davis

General weather Conditions _____

Ambient Air Temperature (°C) _____

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32

serial no. 324976 serial no. 324976

pH = 4.0 Standard 15,000

pH = 7.0 Standard 1,413

pH = 10.0 Standard 447

DO Meter YSI 60 Standard 84

Standard 0% cel Turbidity: 1.0-10.0 NTU

Chain of Custody

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

Well Diameter (D) 2 inch of 30.00 feet(ft)

conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

*Free Product Thickness _____ ft

Total Well Depth (TWD) 30.00 ft

Depth to Groundwater (DGW) _____ ft

Length of Water Column (LWC = TWD-DGW) _____ ft

1 Casing Volume (LWC * C) = _____ X .17 = _____ gals

3 Casing Volumes = 3 X _____ = _____ gals
(Standard Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals

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

Volume Purged (gallons)	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Time (military)	---								
pH (s.u)									
Specific Conductivity (OS)									
Water Temperature (°C)									
Turbidity (NTU)									
Dissolved Oxygen (mg/l)									

CN - Not tested

Remarks: Well sampled at _____ on _____

BLE INC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date 7/18/81

Field Personnel N. Martellini & G. Davis

General weather Conditions Cloudy

Ambient Air Temperature (°C) 28

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32

serial no. 324976 serial no. 324976

pH = 4.0 4.0 Standard 15,000

pH = 7.0 7.0 Standard 1,413

pH = 10.0 10.0 Standard 447

DO Meter YSI 60 Standard 84

Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

Well # 03439-MW04

Well Diameter (D) 2 inch of 35.00 feet(ft)

conversion factor (C): $3.143 \times (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

*Free Product Thickness _____ ft

Total Well Depth (TWD) 35.00 ft

Depth to Groundwater (DGW) 22.65 ft

Length of Water Column (LWC = TWD-DGW) 12.35 ft

1 Casing Volume (LWC * C) = _____ X .17 = 2.10 gals

3 Casing Volumes = 3 X _____ = 6.3 gals

(Standard Purge Volume)

Total Volume of Water Purged Before Sampling 6.5 gals

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

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	<u>2.5</u>	<u>5.0</u>	<u>6.5</u>						
Time (military)	<u>0943</u>	<u>0953</u>	<u>0957</u>						
pH (s.u)	<u>6.08</u>	<u>6.10</u>	<u>6.15</u>						
Specific Conductivity (OS)	<u>1527</u>	<u>5899</u>	<u>5995</u>						
Water Temperature (°C)	<u>18.7</u>	<u>17.7</u>	<u>17.7</u>						
Turbidity (NTU)	<u>15.6</u>	<u>24.6</u>	<u>9.95</u>						
Dissolved Oxygen (mg/l)	<u>4.1</u>	<u>4.3</u>	<u>4.6</u>						

Remarks: Well sampled at 0957 on 7/18

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date _____
 Field Personnel _____
 General weather Conditions _____
 Ambient Air Temperature (°C) _____

Well # 03439-MW05
 Well Diameter (D) 2 inch of 35.00 feet(ft)
 conversion factor (C): $3.143 * (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
 serial no. 324976 serial no. 324976
 pH = 4.0 4.0 Standard 15,000
 pH = 7.0 7.0 Standard 1,413
 pH = 10.0 10.0 Standard 447
 DO Meter YSI 60 Standard 84
 Standard 0% cal Turbidity: 1.0-10.0 NTU

*Free Product Thickness _____ ft
 Total Well Depth (TWD) 35.00 ft
 Depth to Groundwater (DGW) _____ ft
 Length of Water Column (LWC = TWD-DGW) _____ ft
 1 Casing Volume (LWC*C) = _____ X .17 = _____ gals
 3 Casing Volumes = 3 X _____ (Standard Purge Volume) _____ gals

Total Volume of Water Purged Before Sampling _____ gals
 *If free product is present over 1/8 inch, sampling will not be required.

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post

Volume Purged (gallons)									
Time (military)									
pH (s.u)									
Specific Conductivity (OS)									
Water Temperature (°C)									
Turbidity (NTU)									
Dissolved Oxygen (mg/l)									

MS - Not located

Remarks: Well sampled at _____ on _____

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date: 7/18/01

Field Personnel: N. Martellini & G. Davis

General weather Conditions: Cloudy

Ambient Air Temperature (°C): _____

Facility Name: Former Highway 11 Grocery Site ID#: 03439

Well # 03439-MW06

Well Diameter (D) 2 inch of 35.00 feet(ft)

conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

*Free Product Thickness _____ ft

Total Well Depth (TWD) 35.00 ft

Depth to Groundwater (DGW) 21.25 ft

Length of Water Column (LWC = TWD-DGW) 13.75 ft

1 Casing Volume (LWC * C) = _____ X .17 = 2.34 gals

3 Casing Volumes = 3 X _____ = 7.02 gals
(Standard Purge Volume)

Total Volume of Water Purged Before Sampling 7.5 gals

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

Relinquished by	Date/Time	Received by	Date/Time	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Initial												
Volume Purged (gallons)				2.5	5.0	7.5						
Time (military)	0907	0913	0917	0921								
pH (s.u)	5.71	5.71	5.72	5.72								
Specific Conductivity (OS)	5781	5869	5819	5707								
Water Temperature (°C)	18.2	18.1	17.9	18.0								
Turbidity (NTU)	9.67	2.28	3.79	9.97								
Dissolved Oxygen (mg/l)	4.2	4.3	4.4	4.4								

odor

Remarks: Well sampled at 0921 on 7/18/01

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date _____

Field Personnel N. Martellini & G. Davis

General weather Conditions _____

Ambient Air Temperature (°C) _____

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32

serial no. 324976 serial no. 324976

pH = 4.0 4.0 Standard 15,000

pH = 7.0 7.0 Standard 1,413

pH = 10.0 10.0 Standard 447

DO Meter YSI 60 Standard 84

Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

Well # 03439-MW07

Well Diameter (D) 2 inch of 40.00 feet(ft)

conversion factor (C): $3.143 * (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652

*Free Product Thickness _____ ft

Total Well Depth (TWD) 40.00 ft

Depth to Groundwater (DGW) _____ ft

Length of Water Column (LWC = TWD-DGW) _____ ft

1 Casing Volume (LWC*C) = _____ X .17 = _____ gals

3 Casing Volumes = 3 X _____ = _____ gals
 (Standard Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals

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

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)									
Time (military)									
pH (s.u)									
Specific Conductivity (OS)									
Water Temperature (°C)									
Turbidity (NTU)									
Dissolved Oxygen (mg/l)									

SN-10474

Remarks: Well sampled at _____ on _____

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date: 5/17/77

Field Personnel: N. Mantellini & G. Davis

General weather Conditions: Clear

Ambient Air Temperature (°C): 84

Facility Name: Former Highway 11 Grocery Site ID#: 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32

serial no. 324976 serial no. 324976

pH = 4.0 4.0 Standard 15,000

pH = 7.0 7.0 Standard 1,413

pH = 10.0 10.0 Standard 447

DO Meter YSI 60 Standard 84

Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Well # 03439-MW08

Well Diameter (D) 2 inch of 30.00 feet(ft)

conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

*Free Product Thickness

Total Well Depth (TWD) 30.00 ft = 21.08 ft

Depth to Groundwater (DGW) 8.92 ft

Length of Water Column (LWC = TWD-DGW) 21.08 ft

1 Casing Volume (LWC * C) = 1.52 gals

3 Casing Volumes = 4.56 gals (Standard Purge Volume)

Total Volume of Water Purged Before Sampling 5.0 gals

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

Relinquished by	Date/Time	Received by	Date/Time

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	<u>---</u>	<u>4.0</u>	<u>5.0</u>						
Time (military)	<u>1533</u>	<u>1600</u>	<u>1603</u>						
pH (s.u)	<u>6.0</u>	<u>6.06</u>	<u>6.07</u>						
Specific Conductivity (OS)	<u>118.6</u>	<u>114.5</u>	<u>111.7</u>						
Water Temperature (°C)	<u>17.1</u>	<u>16.0</u>	<u>16.0</u>						
Turbidity (NTU)	<u>10.2</u>	<u>17.6</u>	<u>9.98</u>						
Dissolved Oxygen (mg/l)	<u>6.7</u>	<u>6.8</u>	<u>5.1</u>						

Remarks: Well sampled at 1603 on 5/17

odor

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date 7/7/13

Field Personnel N. Martellini & G. Davis

General weather Conditions Clear

Ambient Air Temperature (°C) 28

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32

serial no. 324976 serial no. 324976

pH = 4.0 4.0 Standard 15,000

pH = 7.0 7.0 Standard 1,413

pH = 10.0 10.0 Standard 447

DO Meter YSI 60 Standard 84

Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

Well # 03439-MW09

Well Diameter (D) 2 inch of 10.00 feet(ft)

conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

*Free Product Thickness _____ ft

Total Well Depth (TWD) 2.57 ft

Depth to Groundwater (DGW) _____ ft

Length of Water Column (LWC = TWD-DGW) 7.43 ft

1 Casing Volume (LWC * C) = _____ X .17 = 1.26 gals

3 Casing Volumes = 3 X _____ = 3.78 gals

(Standard Purge Volume)

Total Volume of Water Purged Before Sampling 4.0 gals

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

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	<u>1.5</u>	<u>7.0</u>	<u>4.0</u>						
Time (military)	<u>1431</u>	<u>1437</u>	<u>1440</u>						
pH (s.u)	<u>5.75</u>	<u>5.77</u>	<u>5.81</u>						
Specific Conductivity (OS)	<u>38.16</u>	<u>35.87</u>	<u>35.24</u>						
Water Temperature (°C)	<u>19.6</u>	<u>19.3</u>	<u>20.1</u>						
Turbidity (NTU)	<u>11.6</u>	<u>21.1</u>	<u>20.9</u>						
Dissolved Oxygen (mg/l)	<u>6.8</u>	<u>6.7</u>	<u>6.5</u>						

Remarks: Well sampled at 1440 on 7/7

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date _____

Field Personnel N. Martellini & G. Davis

General weather Conditions _____

Ambient Air Temperature (°C) _____

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance _____

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32

serial no. 324976 serial no. 324976

pH = 4.0 4.0 Standard 15,000

pH = 7.0 7.0 Standard 1,413

pH = 10.0 10.0 Standard 447

DO Meter YSI 60 Standard 84

Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody _____

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

Well # 03439-MW10

Well Diameter (D) 2 inch of 28.00 feet(ft)

conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

*Free Product Thickness _____ ft

Total Well Depth (TWD) 28.00 ft

Depth to Groundwater (DGW) 19.52 ft

Length of Water Column (LWC = TWD-DGW) 8.48 ft

1 Casing Volume (LWC * C) = _____ X .17 = 1.44 gals

3 Casing Volumes = 3 X _____ = 4.32 gals

(Standard Purge Volume)

Total Volume of Water Purged Before Sampling 4.5 gals

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

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	<u>1.5</u>	<u>3.0</u>	<u>4.5</u>						
Time (military)	<u>1130</u>	<u>1134</u>	<u>1136</u>						
pH (s.u)	<u>5.66</u>	<u>5.81</u>	<u>5.56</u>						
Specific Conductivity (OS)	<u>20.32</u>	<u>25.79</u>	<u>24.66</u>						
Water Temperature (°C)	<u>19.5</u>	<u>19.6</u>	<u>19.2</u>						
Turbidity (NTU)	<u>17.8</u>	<u>51.2</u>	<u>9.3</u>						
Dissolved Oxygen (mg/l)	<u>1.5</u>	<u>0.6</u>	<u>1.6</u>						

Remarks: Well sampled at 11:36 on 7/8

BLE INC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date 7/18/81
Field Personnel N. Martellini & G. Davis
General weather Conditions Cloudy
Ambient Air Temperature (°C) AS
Facility Name: Former Highway 11 Grocery Site ID# 03439
Quality Assurance
pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
serial no. 324976 serial no. 324976
pH = 4.0 4.0 Standard 15,000
pH = 7.0 7.0 Standard 1,413
pH = 10.0 10.0 Standard 447
DO Meter YSI 60 Standard 84
Standard 0% cal Turbidity: 1.0-10.0 NTU
Chain of Custody

Well # 03439-MW11
Well Diameter (D) 2 inch of 23.00 feet(ft)
conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652
*Free Product Thickness _____ ft
Total Well Depth (TWD) 23.00 ft
Depth to Groundwater (DGW) 16.32 ft
Length of Water Column (LWC = TWD-DGW) 6.68 ft
1 Casing Volume (LWC * C) = _____ X .17 = 1.14 gals
3 Casing Volumes = 3 X _____ = 3.42 gals
(Standard Purge Volume)
Total Volume of Water Purged Before Sampling _____ gals
*If free product is present over 1/8 inch, sampling will not be required.

Relinquished by	Date/Time	Received by	Date/Time	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	Initial	1.5	3.0	4.0								
Time (military)	1135	1137	1143									
pH (s.u)	5.22	5.09	5.29									
Specific Conductivity (OS)	19.25	19.04	21.41									
Water Temperature (°C)	16.4	15.9	15.7									
Turbidity (NTU)	9.51	98.6	12.6									
Dissolved Oxygen (mg/l)	3.7	4.2	4.1									

Well dry @ 2.5 gal

Remarks: Well sampled at 1143 on 7/18

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date _____
 Field Personnel N. Martellini & G. Davis
 General weather Conditions _____
 Ambient Air Temperature (°C) _____

Facility Name: Former Highway 11 Grocery Site ID# 03439
 Quality Assurance _____

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
 serial no. 324976 serial no. 324976
 pH = 4.0 4.0 Standard 15,000
 pH = 7.0 7.0 Standard 1,413
 pH = 10.0 10.0 Standard 447
 DO Meter YSI 60 Standard 84
 Standard 0% cal Turbidity: 1.0-10.0 NTU
 Chain of Custody _____

Well # 03439-MW12
 Well Diameter (D) 2 inch of 12.00 feet(ft)
 conversion factor (C): $3.143 \cdot (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652

*Free Product Thickness _____ ft
 Total Well Depth (TWD) 3.45 ft
 Depth to Groundwater (DGW) _____ ft
 Length of Water Column (LWC = TWD-DGW) 8.56 ft
 1 Casing Volume (LWC * C) = _____ gals
 3 Casing Volumes = 3 X _____ = 4.35 gals
 (Standard Purge Volume)

Total Volume of Water Purged Before Sampling 4.35 gals

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

Relinquished by	Date/Time	Received by	Date/Time

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	<u>1.5</u>	<u>3.0</u>	<u>4.5</u>						
Time (military)	<u>13:46</u>	<u>13:48</u>	<u>13:50</u>	<u>13:52</u>					
pH (s.u)	<u>6.74</u>	<u>6.08</u>	<u>5.36</u>	<u>5.38</u>					
Specific Conductivity (OS)	<u>37.27</u>	<u>33.21</u>	<u>32.95</u>	<u>32.30</u>					
Water Temperature (°C)	<u>20.8</u>	<u>18.8</u>	<u>18.5</u>	<u>18.7</u>					
Turbidity (NTU)	<u>16.2</u>	<u>41.9</u>	<u>12.4</u>	<u>9.8</u>					
Dissolved Oxygen (mg/l)	<u>7.1</u>	<u>7.2</u>	<u>7.2</u>	<u>7.0</u>					

Remarks: Well sampled at 13:52 on 7/7

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Well # 03439-MW13

Well Diameter (D) 2 inch of 12.00 feet(ft)
conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

*Free Product Thickness ft
Total Well Depth (TWD) 13.3 ft
Depth to Groundwater (DGW) 0.69 ft 7.01 ft
Length of Water Column (LWC = TWD-DGW) 12.61 ft
1 Casing Volume (LWC * C) = 0.17 = 2.19 gals
3 Casing Volumes = 3 X 0.17 = 0.51 gals 3.57 gals
(Standard Purge Volume)

Total Volume of Water Purged Before Sampling 4.0 gals
*If free product is present over 1/8 inch, sampling will not be required.

Date _____
Field Personnel N. Martellini & G. Davis
General weather Conditions _____
Ambient Air Temperature (°C) _____
Facility Name: Former Highway 11 Grocery Site ID# 03439
Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
serial no. 324976 serial no. 324976
pH = 4.0 Standard 15,000
pH = 7.0 Standard 1,413
pH = 10.0 Standard 447
DO Meter YSI 60 Standard 84
Standard 0% cal Turbidity: 1.0-10.0 NTU
Chain of Custody

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	<u>---</u>	<u>1.50</u>	<u>2.0</u>	<u>2.0</u>	<u>2.0</u>	<u>2.0</u>	<u>2.0</u>	<u>2.0</u>	<u>2.0</u>
Time (military)	<u>10:16</u>	<u>10:20</u>	<u>10:22</u>	<u>10:24</u>					
pH (s.u)	<u>6.67</u>	<u>5.92</u>	<u>5.96</u>	<u>5.88</u>					
Specific Conductivity (OS)	<u>102.8</u>	<u>97.36</u>	<u>100.6</u>	<u>102.9</u>					
Water Temperature (°C)	<u>18.4</u>	<u>17.4</u>	<u>17.3</u>	<u>17.2</u>					
Turbidity (NTU)	<u>18.4</u>	<u>30.1</u>	<u>26.3</u>	<u>9.98</u>					
Dissolved Oxygen (mg/l)	<u>3.7</u>	<u>4.1</u>	<u>4.3</u>	<u>4.5</u>					

Remarks: Well sampled at 10:24 on 7/17

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date _____
 Field Personnel N. Martellini & G. Davis
 General weather Conditions _____
 Ambient Air Temperature (°C) _____
 Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance
 pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
 serial no. 324976 serial no. 324976
 pH = 4.0 Standard 15.000
 pH = 7.0 Standard 1.413
 pH = 10.0 Standard 447
 DO Meter YSI 60 Standard 84
 Standard 0% cal Turbidity: 1.0-10.0 NTU
 Chain of Custody _____

Well # 03439-MW14
 Well Diameter (D) 2 inch of 10.00 feet(ft)
 conversion factor (C): $3.143 \cdot (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652
 *Free Product Thickness _____ ft
 Total Well Depth (TWD) 1.95 ft
 Depth to Groundwater (DGW) _____ ft
 Length of Water Column (LWC = TWD-DGW) 8.04 ft
 1 Casing Volume (LWC * C) = _____ X .17 = 1.37 gals
 3 Casing Volumes = 3 X _____ = 4.11 gals
 (Standard Purge Volume)
 Total Volume of Water Purged Before Sampling 4.5 gals
 *if free product is present over 1/8 inch, sampling will not be required.

Relinquished by	Date/Time	Received by	Date/Time	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post		
Time (military)	---	<u>14</u>	<u>30</u>	<u>45</u>								
pH (s.u)	<u>10.31</u>	<u>19.34</u>	<u>18.36</u>	<u>13:40</u>								
Specific Conductivity (OS)	<u>6.22</u>	<u>6.16</u>	<u>6.20</u>	<u>6.21</u>								
Water Temperature (°C)	<u>43.39</u>	<u>89.63</u>	<u>90.03</u>	<u>85.98</u>								
Turbidity (NTU)	<u>20.6</u>	<u>18.4</u>	<u>18.4</u>	<u>18.5</u>								
Dissolved Oxygen (mg/l)	<u>15.3</u>	<u>30.6</u>	<u>21.8</u>	<u>11.2</u>								
	<u>4.0</u>	<u>4.9</u>	<u>6.5</u>	<u>7.8</u>								

Remarks: Well sampled at 13:40 on 7/17 Odors
Dup @ B142

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date _____
 Field Personnel N. Martellini & G. Davis
 General weather Conditions _____
 Ambient Air Temperature (°C) _____
 Facility Name: Former Highway 11 Grocery Site ID# 03439
 Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
 serial no. 324976 serial no. 324976
 pH = 4.0 4.0 Standard 15,000
 pH = 7.0 7.0 Standard 1,413
 pH = 10.0 10.0 Standard 447
 DO Meter YSI 60 Standard 84
 Standard 0% cal Turbidity: 1.0-10.0 NTU
 Chain of Custody

Well # 03439-MW 15
 Well Diameter (D) 2 inch of 9.00 feet(ft)
 conversion factor (C): $3.143 \cdot (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652
 *Free Product Thickness _____ ft
 Total Well Depth (TWD) 11.06 ft
 Depth to Groundwater (DGW) 12.7 ft
 Length of Water Column (LWC = TWD-DGW) 1.24 ft
 1 Casing Volume (LWC * C) = _____ X .17 = 0.21 gals
 3 Casing Volumes = 3 X _____ = 0.63 gals
 (Standard Purge Volume)
 Total Volume of Water Purged Before Sampling _____ gals
 *If free product is present over 1/8 inch, sampling will not be required.

Relinquished by	Date/Time	Received by	Date/Time	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	<u>0.90</u>	<u>1.00</u>									
Time (military)	<u>10:47</u>											
pH (s.u)	<u>5.90</u>											
Specific Conductivity (OS)	<u>45.29</u>											
Water Temperature (°C)	<u>18.3</u>											
Turbidity (NTU)	<u>16.8</u>											
Dissolved Oxygen (mg/l)	<u>4.1</u>											

Remarks: Well sampled at 0810 on 7/8/21

Well Dry @ 0.5 gpm.

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date _____

Field Personnel N. Martellini & G. Davis

General weather Conditions _____

Ambient Air Temperature (°C) _____

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32

serial no. 324976 serial no. 324976

pH = 4.0 4.0 Standard 15,000

pH = 7.0 7.0 Standard 1,413

pH = 10.0 10.0 Standard 447

DO Meter YSI 60 Standard 84

Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Well # 03439-RW01

Well Diameter (D) 2 inch of 30.00 feet(ft)

conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

*Free Product Thickness _____ ft

Total Well Depth (TWD) 30.00 ft

Depth to Groundwater (DGW) 24.42 ft

Length of Water Column (LWC = TWD-DGW) 5.58 ft

1 Casing Volume (LWC * C) = _____ X .65 = 3.63 gals

3 Casing Volumes = 3 X _____ = 10.89 gals

(Standard Purge Volume)

Total Volume of Water Purged Before Sampling 10.0 gals

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

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	4.0	7.0	10.0						
Time (military)	1030	1032	1034	1036						
pH (s.u)	5.15	5.30	5.13	5.23						
Specific Conductivity(OS)	39.64	37.42	26.49	35.91						
Water Temperature (°C)	19.7	18.9	18.7	18.8						
Turbidity (NTU)	14.5	48.7	21.2	8.5						
Dissolved Oxygen (mg/l)	1.3	1.3	1.4	1.4						

Remarks: Well sampled at 10:36 on 7/0 Odor

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date _____

Field Personnel N. Martellini & G. Davis

General weather Conditions _____

Ambient Air Temperature (°C) _____

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32

serial no. 324976 serial no. 324976

pH = 4.0 4.0 Standard 15,000

pH = 7.0 7.0 Standard 1,413

pH = 10.0 10.0 Standard 447

DO Meter YSI 60 Standard 84

Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

Well # 03439-RW02

Well Diameter (D) 2 inch of 30.00 feet(ft)

conversion factor (C): $3.143 \cdot (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652

*Free Product Thickness _____ ft

Total Well Depth (TWD) 30.00 ft

Depth to Groundwater (DGW) 23.52 ft

Length of Water Column (LWC = TWD-DGW) 6.48 ft

1 Casing Volume (LWC * C) = _____ X .65 = 4.21 gals

3 Casing Volumes = 3 X _____ = 12.63 gals
(Standard Purge Volume)

Total Volume of Water Purged Before Sampling 13.0 gals

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

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	<u>5.0</u>	<u>9.0</u>	<u>13.0</u>						
Time (military)	<u>8:56</u>	<u>9:00</u>	<u>9:02</u>						
pH (s.u)	<u>5.74</u>	<u>5.55</u>	<u>5.48</u>						
Specific Conductivity (OS)	<u>45.58</u>	<u>18.14</u>	<u>18.24</u>						
Water Temperature (°C)	<u>19.4</u>	<u>18.6</u>	<u>18.9</u>						
Turbidity (NTU)	<u>12.8</u>	<u>33.2</u>	<u>9.4</u>						
Dissolved Oxygen (mg/l)	<u>0.4</u>	<u>1.1</u>	<u>1.0</u>						

Remarks: Well sampled at 9:02 on 4/8

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date: <u>1/17/81</u>	Well # <u>03439-RW03</u>																																																																																			
Field Personnel: <u>N. Mattelini & G. Davis</u>	Well Diameter (D): <u>2</u> inch of <u>30.00</u> feet(ft)																																																																																			
General weather Conditions: <u>Cloudy 27</u>	conversion factor (C): $3.143 \cdot (D/2)^2$																																																																																			
Ambient Air Temperature (°C): _____	for a 2 inch well C = 0.163																																																																																			
Facility Name: <u>Former Highway 11 Grocery</u> Site ID# <u>03439</u>	for a 4 inch well C = 0.652																																																																																			
Quality Assurance																																																																																				
pH Sensor: <u>Oakton 35630-62</u> Conductivity Sensor: <u>35630-32</u>	*Free Product Thickness _____ ft																																																																																			
serial no. <u>324976</u> serial no. <u>324976</u>	Total Well Depth (TWD) <u>30.00</u> ft																																																																																			
pH = 4.0 <u>4.0</u> Standard <u>15,000</u>	Depth to Groundwater (DGW) _____ ft																																																																																			
pH = 7.0 <u>7.0</u> Standard <u>1,413</u>	Length of Water Column (LWC = TWD-DGW) _____ ft																																																																																			
pH = 10.0 <u>10.0</u> Standard <u>447</u>	1 Casing Volume (LWC·C) = _____ X <u>.65</u> = _____ gals																																																																																			
DO Meter <u>YSI 60</u> Standard <u>84</u>	3 Casing Volumes = 3 X _____ = _____ gals																																																																																			
Standard <u>0% cal</u> Turbidity: <u>1.0-10.0 NTU</u>	(Standard Purge Volume)																																																																																			
Chain of Custody	Total Volume of Water Purged Before Sampling _____ gals																																																																																			
Relinquished by _____ Date/Time _____	*If free product is present over 1/8 inch, sampling will not be required.																																																																																			
Received by _____ Date/Time _____																																																																																				
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Initial</th> <th>1st Vol.</th> <th>2nd Vol.</th> <th>3rd Vol.</th> <th>4th Vol.</th> <th>5th Vol.</th> <th>6th Vol.</th> <th>7th Vol.</th> <th>8th Vol.</th> <th>Post</th> </tr> </thead> <tbody> <tr> <td>Volume Purged (gallons)</td> <td>---</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Time (military)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>pH (s.u)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Specific Conductivity (OS)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Water Temperature (°C)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Turbidity (NTU)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Dissolved Oxygen (mg/l)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post	Volume Purged (gallons)	---									Time (military)										pH (s.u)										Specific Conductivity (OS)										Water Temperature (°C)										Turbidity (NTU)										Dissolved Oxygen (mg/l)									
Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post																																																																											
Volume Purged (gallons)	---																																																																																			
Time (military)																																																																																				
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Water Temperature (°C)																																																																																				
Turbidity (NTU)																																																																																				
Dissolved Oxygen (mg/l)																																																																																				
Remarks: <u>Well sampled at</u> _____ on _____																																																																																				

NS - Obstruction

BLE INC

BUNNELL-JAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date 7/18/21
 Field Personnel N. Martellini & G. Davis
 General weather Conditions Cloudy
 Ambient Air Temperature (°C) 29

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
 serial no. 324976 serial no. 324976
 pH = 4.0 Standard 15,000
 pH = 7.0 Standard 1,413
 pH = 10.0 Standard 447
 DO Meter YSI 60 Standard 84
 Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Well # 03439-RW04
 Well Diameter (D) 2 inch of 30.00 feet(ft)
 conversion factor (C): $3.143 \cdot (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652

*Free Product Thickness _____ ft
 Total Well Depth (TWD) 30.00 ft
 Depth to Groundwater (DGW) 22.18 ft
 Length of Water Column (LWC = TWD-DGW) 7.82 ft
 1 Casing Volume (LWC * C) = _____ X .65 = 5.08 gals
 3 Casing Volumes = 3 X _____ = 15.24 gals
 (Standard Purge Volume)

Total Volume of Water Purged Before Sampling 15.5 gals
 *If free product is present over 1/8 inch, sampling will not be required.

Relinquished by	Date/Time	Received by	Date/Time
Volume Purged (gallons)	Initial	1st Vol.	2nd Vol.
Time (military)	<u>0847</u>	<u>0845</u>	<u>0846</u>
pH (s.u)	<u>6.01</u>	<u>5.71</u>	<u>5.62</u>
Specific Conductivity (OS)	<u>72.26</u>	<u>52.14</u>	<u>48.51</u>
Water Temperature (°C)	<u>18.7</u>	<u>18.2</u>	<u>18.1</u>
Turbidity (NTU)	<u>17.6</u>	<u>22.7</u>	<u>5.48</u>
Dissolved Oxygen (mg/l)	<u>4.0</u>	<u>4.7</u>	<u>5.5</u>
		3rd Vol.	4th Vol.
		<u>15.5</u>	
		<u>0847</u>	
		<u>5.54</u>	
		<u>47.61</u>	
		<u>18.5</u>	
		<u>9.97</u>	
		<u>4.8</u>	
			5th Vol.
			6th Vol.
			7th Vol.
			8th Vol.
			Post

odor

Remarks: Well sampled at 0847 on 7/18

BLE INC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date _____
 Field Personnel N. Martellini & G. Davis
 General weather Conditions _____
 Ambient Air Temperature (°C) _____
 Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
 serial no. 324976 serial no. 324976
 pH = 4.0 4.0 Standard 15,000
 pH = 7.0 7.0 Standard 1,413
 pH = 10.0 10.0 Standard 447
 DO Meter YSI 60 Standard 84
 Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

Well # 03439-RW/05
 Well Diameter (D) 2 inch of 30.00 feet(ft)
 conversion factor (C): $3.143 * (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.662
 *Free Product Thickness _____ ft
 Total Well Depth (TWD) 30.00 ft
 Depth to Groundwater (DGW) _____ ft
 Length of Water Column (LWC = TWD-DGW) _____ ft
 1 Casing Volume (LWC*C) = _____ X .65 = _____ gals
 3 Casing Volumes = 3 X _____ (Standard Purge Volume) _____ gals

Total Volume of Water Purged Before Sampling _____ gals

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

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---								
Time (military)									
pH (s.u)									
Specific Conductivity (OS)									
Water Temperature (°C)									
Turbidity (NTU)									
Dissolved Oxygen (mg/l)									

NS-D-21718

Remarks: Well sampled at _____ on _____



BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date _____

Field Personnel: N. Martellini & G. Davis

General weather Conditions _____

Ambient Air Temperature (°C) _____

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32

serial no. 324976 serial no. 324976

pH = 4.0 Standard 15,000

pH = 7.0 Standard 1,413

pH = 10.0 Standard 447

DO Meter YSI 60 Standard 84

Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

Well # 03439-RW06

Well Diameter (D) 2 inch of 26.50 feet(ft)

conversion factor (C): $3.143 \cdot (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652

*Free Product Thickness _____ ft

Total Well Depth (TWD) 26.50 ft

Depth to Groundwater (DGW) _____ ft

Length of Water Column (LWC = TWD-DGW) _____ ft

1 Casing Volume (LWC * C) = _____ X .65 = _____ gals

3 Casing Volumes = 3 X _____ = _____ gals
(Standard Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals

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

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)									
Time (military)									
pH (s.u)									
Specific Conductivity (OS)									
Water Temperature (°C)									
Turbidity (NTU)									
Dissolved Oxygen (mg/l)									

NS-0.48 FP

Remarks: Well sampled at _____ on _____

BLE INC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date _____

Field Personnel: _____ N. Martellini & G. Davis

General weather Conditions _____

Ambient Air Temperature (°C) _____

Facility Name: _____ Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32

serial no. 324976 serial no. 324976

pH = 4.0 4.0 Standard 15,000

pH = 7.0 7.0 Standard 1,413

pH = 10.0 10.0 Standard 447

DO Meter YSI 60 Standard 84

Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

Well # 03439-RW07

Well Diameter (D) _____ 2 _____ inch of _____ 30.00 _____ feet(ft)

conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

*Free Product Thickness _____ ft

Total Well Depth (TWD) _____ 30.00 _____ ft

Depth to Groundwater (DGW) _____ ft

Length of Water Column (LWC = TWD-DGW) _____ ft

1 Casing Volume (LWC*C) = _____ X .65 = _____ gals

3 Casing Volumes = 3 X _____ (Standard Purge Volume) _____ gals

Total Volume of Water Purged Before Sampling _____ gals

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

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)									
Time (military)									
pH (s.u)									
Specific Conductivity (OS)									
Water Temperature (°C)									
Turbidity (NTU)									
Dissolved Oxygen (mg/l)									

Remarks: Well sampled at _____ on _____

NS-0.02 EP

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date: 7/17/81

Field Personnel: N. Martellini & G. Davis

General weather Conditions: Clear

Ambient Air Temperature (°C): 28

Facility Name: Former Highway 11 Grocery Site ID#: 03439

Well # 03439-RW/08

Well Diameter (D) 2 inch of 28.50 feet(ft)

conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

*Free Product Thickness: ft

Total Well Depth (TWD): 28.50 ft

Depth to Groundwater (DGW): 19.56 ft

Length of Water Column (LWC = TWD-DGW): 8.94 ft

1 Casing Volume (LWC * C) = 5.81 gals

3 Casing Volumes = 3 X 17.43 gals (Standard Purge Volume)

Total Volume of Water Purged Before Sampling: 18.0 gals

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

Relinquished by	Date/Time	Received by	Date/Time	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	Initial	18.0	18.0	18.0	18.0	18.0						
Time (military)	---	1517	1517	1521	1521	1521						
pH (s.u)	6.04	6.18	6.12	6.07	6.07	6.07						
Specific Conductivity (OS)	193.1	114.7	113.3	115.4	115.4	115.4						
Water Temperature (°C)	19.0	17.5	16.9	17.5	17.5	17.5						
Turbidity (NTU)	12.1	37.6	14.3	4.96	4.96	4.96						
Dissolved Oxygen (mg/l)	5.4	6.4	6.4	7.3	7.3	7.3						

Remarks: Well sampled at 1521 on 7/17 Dup @ 1523 Odor

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date _____
 Field Personnel N. Martellini & G. Davis
 General weather Conditions _____
 Ambient Air Temperature (°C) _____

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
 serial no. 324976 serial no. 324976
 pH = 4.0 Standard 15,000
 pH = 7.0 Standard 1,413
 pH = 10.0 Standard 447
 DO Meter YSI 60 Standard 84
 Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Well # 03439-RW09

Well Diameter (D) 2 inch of 30.00 feet(ft)
 conversion factor (C): $3.143 * (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652

*Free Product Thickness _____ ft
 Total Well Depth (TWD) 20.79 ft
 Depth to Groundwater (DGW) 9.21 ft
 Length of Water Column (LWC = TWD-DGW) = 5.99 gals
 1 Casing Volume (LWC*C) = _____ X .65 = 17.97 gals
 3 Casing Volumes = 3 X _____ (Standard Purge Volume)

Total Volume of Water Purged Before Sampling 18.0 gals

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

Relinquished by	Date/Time	Received by	Date/Time
Initial	1st Vol.	2nd Vol.	3rd Vol.
Volume Purged (gallons)	<u>6.0</u>	<u>12.0</u>	<u>18.0</u>
Time (military)	<u>1616</u>	<u>1620</u>	<u>1622</u>
pH (s.u)	<u>6.07</u>	<u>6.11</u>	<u>6.15</u>
Specific Conductivity (OS)	<u>81.63</u>	<u>94.92</u>	<u>96.84</u>
Water Temperature (°C)	<u>17.4</u>	<u>16.4</u>	<u>16.6</u>
Turbidity (NTU)	<u>11.3</u>	<u>78.6</u>	<u>9.4</u>
Dissolved Oxygen (mg/l)	<u>4.9</u>	<u>4.7</u>	<u>5.3</u>
4th Vol.	5th Vol.	6th Vol.	7th Vol.
8th Vol.	Post		

Remarks: Well sampled at 1622 on 7/7 Odor sheen

BLE INC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date 7/7/21 Well # 03439-RW.10

Field Personnel N. Martellini & G. Davis

General weather Conditions CLEAR

Ambient Air Temperature (°C) 28

Well Diameter (D) 2 inch of 30.00 feet(ft)

conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

*Free Product Thickness _____ ft

Total Well Depth (TWD) 30.00 ft

Depth to Groundwater (DGW) 20.46 ft

Length of Water Column (LWC = TWD-DGW) 9.54 ft

1 Casing Volume (LWC * C) = _____ X .65 = 6.20 gals

3 Casing Volumes = 3 X _____ = 18.60 gals
(Standard Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals

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

Quality Assurance

Facility Name: Former Highway 11 Grocery Site ID# 03439

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32

serial no. 324976 serial no. 324976

pH = 4.0 4.0 Standard 15,000

pH = 7.0 7.0 Standard 1,413

pH = 10.0 10.0 Standard 447

DO Meter YSI 60 Standard 84

Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	<u>6.5</u>	<u>13.0</u>	<u>19.0</u>						
Time (military)	<u>1639</u>	<u>1643</u>	<u>1645</u>						
pH (s.u)	<u>6.77</u>	<u>6.41</u>	<u>6.47</u>						
Specific Conductivity (OS)	<u>177.4</u>	<u>179.8</u>	<u>178.9</u>						
Water Temperature (°C)	<u>16.8</u>	<u>16.9</u>	<u>16.9</u>						
Turbidity (NTU)	<u>10.1</u>	<u>2.76</u>	<u>9.98</u>						
Dissolved Oxygen (mg/l)	<u>6.1</u>	<u>6.3</u>	<u>5.8</u>						

Remarks: Well sampled at 1645 on 7/7

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date _____
 Field Personnel N. Martellini & G. Davis
 General weather Conditions _____
 Ambient Air Temperature (°C) _____

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
 serial no. 324976 serial no. 324976
 pH = 4.0 Standard 15,000
 pH = 7.0 Standard 1,413
 pH = 10.0 Standard 447
 DO Meter YSI 60 Standard 84
 Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Well # 03439-RW11

Well Diameter (D) 2 inch of 27.00 feet(ft)
 conversion factor (C): $3.143 \cdot (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652

*Free Product Thickness _____ ft
 Total Well Depth (TWD) 27.00 ft
 Depth to Groundwater (DGW) 16.49 ft

Length of Water Column (LWC = TWD-DGW) 10.51 ft
 1 Casing Volume (LWC * C) = 6.83 gals
 3 Casing Volumes = 3 X 20.49 gals
 (Standard Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals

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

Relinquished by	Date/Time	Received by	Date/Time

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	<u>7.0</u>	<u>14.0</u>	<u>21.0</u>						
Time (military)	<u>12:20</u>	<u>12:22</u>	<u>12:24</u>	<u>12:26</u>					
pH (s.u)	<u>5.48</u>	<u>5.77</u>	<u>5.32</u>	<u>6.00</u>					
Specific Conductivity (OS)	<u>33.53</u>	<u>38.54</u>	<u>38.75</u>	<u>40.08</u>					
Water Temperature (°C)	<u>19.6</u>	<u>17.2</u>	<u>17.6</u>	<u>17.2</u>					
Turbidity (NTU)	<u>11.1</u>	<u>36.7</u>	<u>15.8</u>	<u>7.9</u>					
Dissolved Oxygen (mg/l)	<u>2.0</u>	<u>1.4</u>	<u>2.4</u>	<u>2.2</u>					

Remarks: Well sampled at 12:26 on 7/8

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date _____
 Field Personnel N. Martellini & G. Davis
 General weather Conditions _____
 Ambient Air Temperature (°C) _____

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
 serial no. 324976 serial no. 324976
 pH = 4.0 4.0 Standard 15,000
 pH = 7.0 7.0 Standard 1,413
 pH = 10.0 10.0 Standard 447
 DO Meter YSI 60 Standard 84
 Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Well # 03439-RW12
 Well Diameter (D) 2 inch of 30.00 feet(ft)
 conversion factor (C): $3.143 * (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652

*Free Product Thickness _____ ft
 Total Well Depth (TWD) 18.91 ft
 Depth to Groundwater (DGW) 11.09 ft
 Length of Water Column (LWC = TWD-DGW) _____ ft
 1 Casing Volume (LWC*C) = _____ X .65 = 7.21 gals
 3 Casing Volumes = 3 X _____ X _____ (Standard Purge Volume)
21.63 gals

Total Volume of Water Purged Before Sampling 15.0 gals

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

Relinquished by	Date/Time	Received by	Date/Time

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	--	7.5	15.0						
Time (military)	12:40	12:42	12:44						
pH (s.u)	5.66	6.24	6.09						
Specific Conductivity (OS)	43.09	44.92	47.05						
Water Temperature (°C)	18.9	16.9	17.0						
Turbidity (NTU)	12.6	74.8	16.3						
Dissolved Oxygen (mg/l)	2.0	1.9	2.8						

Remarks: Well sampled at 12:44 on 7/8

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date _____

Field Personnel N. Martellini & G. Davis

General weather Conditions _____

Ambient Air Temperature (°C) _____

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32

serial no. 324976 serial no. 324976

pH = 4.0 Standard 15,000

pH = 7.0 Standard 1,413

pH = 10.0 Standard 447

DO Meter YSI 60 Standard 84

Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Well # 03439-RW13

Well Diameter (D) 2 inch of 29.00 feet(ft)

conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

*Free Product Thickness _____ ft

Total Well Depth (TWD) 29.00 ft

Depth to Groundwater (DGW) 17.79 ft

Length of Water Column (LWC = TWD-DGW) 11.21 ft

1 Casing Volume (LWC * C) = _____ X .65 = 7.29 gals

3 Casing Volumes = 3 X _____ = 21.87 gals
(Standard Purge Volume)

Total Volume of Water Purged Before Sampling 22.0 gals

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

Relinquished by	Date/Time	Received by	Date/Time	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	7.5	15.0	22.0								
Time (military)	15:20	15:22	15:24	15:26								
pH (s.u)	6.37	6.05	5.89	5.49								
Specific Conductivity (OS)	67.94	39.81	36.31	35.49								
Water Temperature (°C)	18.4	16.8	17.6	17.1								
Turbidity (NTU)	13.6	47.2	28.1	10.8								
Dissolved Oxygen (mg/l)	0.3	0.5	1.0	1.4								

Remarks: Well sampled at 1526 on 7/7

BLE INC

BLINNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date _____
Field Personnel N. Martellini & G. Davis
General weather Conditions _____
Ambient Air Temperature (°C) _____
Facility Name: Former Highway 11 Grocery Site ID# 03439
Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
serial no. 324976 serial no. 324976
pH = 4.0 4.0 Standard 15,000
pH = 7.0 7.0 Standard 1,413
pH = 10.0 10.0 Standard 447
DO Meter YSI 60 Standard 84
Standard 0% cal Turbidity: 1.0-10.0 NTU
Chain of Custody

Well # 03439-RW14
Well Diameter (D) 2 inch of 30.00 feet(ft)
conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652
*Free Product Thickness _____ ft
Total Well Depth (TWD) 30.00 ft
Depth to Groundwater (DGW) _____ ft
Length of Water Column (LWC = TWD-DGW) _____ ft
1 Casing Volume (LWC * C) = _____ X _____ = _____ gals
3 Casing Volumes = 3 X _____ (Standard Purge Volume) _____ gals
Total Volume of Water Purged Before Sampling _____ gals
*If free product is present over 1/8 inch, sampling will not be required.

Relinquished by	Date/Time	Received by	Date/Time						
Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---								
Time (military)									
pH (s.u)									
Specific Conductivity (OS)									
Water Temperature (°C)									
Turbidity (NTU)									
Dissolved Oxygen (mg/l)									

NS-0.69
FFD

Remarks: Well sampled at on _____

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date _____
 Field Personnel N. Martellini & G. Davis
 General weather Conditions _____
 Ambient Air Temperature (°C) _____
 Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
 serial no. 324976 serial no. 324976
 pH = 4.0 4.0 Standard 15,000
 pH = 7.0 7.0 Standard 1,413
 pH = 10.0 10.0 Standard 447
DO Meter YSI 60 Standard 84
 Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # 03439-RW15
 Well Diameter (D) 2 inch of 30.00 feet(ft)
 conversion factor (C): $3.143 * (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652
 *Free Product Thickness 0.02 ft
 Total Well Depth (TWD) 30.00 ft
 Depth to Groundwater (DGW) _____ ft
 Length of Water Column (LWC = TWD-DGW) _____ ft
 1 Casing Volume (LWC*C) = _____ X .65 = _____ gals
 3 Casing Volumes = 3 X _____ (Standard Purge Volume) _____ gals
 Total Volume of Water Purged Before Sampling _____ gals

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

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---								
Time (military)									
pH (s.u)									
Specific Conductivity (OS)									
Water Temperature (°C)									
Turbidity (NTU)									
Dissolved Oxygen (mg/l)									

Not sampled due to 0.02 H₂ of FDP

Remarks: Well sampled at _____ on _____

BLE INC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date 5/11/81
Field Personnel N. Marteljihi & G. Davis
General weather Conditions Clear
Ambient Air Temperature (°C) 81

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
serial no. 324976 serial no. 324976
pH = 4.0 Standard 15,000
pH = 7.0 Standard 1,413
pH = 10.0 Standard 447
DO Meter YSI 60 Standard 84
Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Well # 03439-RW16

Well Diameter (D) 2 inch of 30.00 feet(ft)
conversion factor (C): $3.143 \cdot (D/2)^2$

for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

*Free Product Thickness _____ ft
Total Well Depth (TWD) 34.19 ft
Depth to Groundwater (DGW) 8.81 ft
Length of Water Column (LWC = TWD-DGW) 5.93 gals
1 Casing Volume (LWC * C) = _____ X .65 = _____ gals
3 Casing Volumes = 3 X _____ (Standard Purge Volume) 17.19 gals

Total Volume of Water Purged Before Sampling 17.19 gals

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

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	<u>6.0</u>	<u>18.0</u>	<u>17.5</u>						
Time (military)	<u>1813</u>	<u>1821</u>	<u>1835</u>						
pH (s.u)	<u>5.45</u>	<u>5.73</u>	<u>5.81</u>						
Specific Conductivity (OS)	<u>181.1</u>	<u>562.81</u>	<u>971.14</u>						
Water Temperature (°C)	<u>19.3</u>	<u>17.5</u>	<u>17.6</u>						
Turbidity (NTU)	<u>27.8</u>	<u>21.1</u>	<u>9.5</u>						
Dissolved Oxygen (mg/l)	<u>7.2</u>	<u>7.9</u>	<u>4.4</u>						

odor

Remarks: Well sampled at 1815 on 5/11

BLE INC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date _____

Field Personnel N. Martellini & G. Davis

General weather Conditions _____

Ambient Air Temperature (°C) _____

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32

serial no. 324976 serial no. 324976

pH = 4.0 4.0 Standard 15,000

pH = 7.0 7.0 Standard 1,413

pH = 10.0 10.0 Standard 447

DO Meter YSI 60 Standard 84

Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

Well # 03439-RW17

Well Diameter (D) 2 inch of 30.00 feet(ft)

conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

*Free Product Thickness _____ ft

Total Well Depth (TWD) 30.00 ft

Depth to Groundwater (DGW) 17.73 ft

Length of Water Column (LWC = TWD-DGW) 12.27 ft

1 Casing Volume (LWC * C) = 7.98 gals

3 Casing Volumes = 3 X 23.94 gals

(Standard Purge Volume)

Total Volume of Water Purged Before Sampling 240 gals

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

Volume Purged (gallons)	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Time (military)	<u>---</u>	<u>1349</u>	<u>1301</u>						
pH (s.u)	<u>6.00</u>	<u>5.57</u>	<u>5.93</u>						
Specific Conductivity (OS)	<u>6768</u>	<u>5270</u>	<u>8471</u>						
Water Temperature (°C)	<u>18.2</u>	<u>17.3</u>	<u>17.1</u>						
Turbidity (NTU)	<u>191</u>	<u>108</u>	<u>9.98</u>						
Dissolved Oxygen (mg/l)	<u>3.5</u>	<u>3.7</u>	<u>3.6</u>						

Remarks: Well sampled at 1301 on 7/8

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date _____

Field Personnel N. Martellini & G. Davis

General weather Conditions _____

Ambient Air Temperature (°C) _____

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32

serial no. 324976 serial no. 324976

pH = 4.0 4.0 Standard 15,000

pH = 7.0 7.0 Standard 1,413

pH = 10.0 10.0 Standard 447

DO Meter YSI 60 Standard 84

Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

Well # 03439-DMW01

Well Diameter (D) 2 inch of 45.00 feet(ft)

conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

*Free Product Thickness _____ ft

Total Well Depth (TWD) 45.00 ft

Depth to Groundwater (DGW) 24.09 ft

Length of Water Column (LWC = TWD-DGW) 20.91 ft

1 Casing Volume (LWC * C) = 3.55 gals

3 Casing Volumes = 3 X _____ = 10.65 gals
(Standard Purge Volume)

Total Volume of Water Purged Before Sampling 11.0 gals

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

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	<u>4.0</u>	<u>8.0</u>	<u>11.0</u>						
Time (military)	<u>1000</u>	<u>1002</u>	<u>1004</u>						
pH (s.u)	<u>5.80</u>	<u>5.39</u>	<u>5.12</u>						
Specific Conductivity (OS)	<u>18.36</u>	<u>17.06</u>	<u>16.07</u>						
Water Temperature (°C)	<u>20.1</u>	<u>18.4</u>	<u>18.4</u>						
Turbidity (NTU)	<u>13.5</u>	<u>29.7</u>	<u>15.1</u>						
Dissolved Oxygen (mg/l)	<u>1.0</u>	<u>0.8</u>	<u>0.8</u>						

Remarks: Well sampled at 10:06 on 7/8

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date: 7/17/17

Field Personnel: N. Martellini & G. Davis

General weather Conditions: Clear

Ambient Air Temperature (°C): 28

Facility Name: Former Highway 11 Grocery Site ID#: 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32

serial no. 324976 serial no. 324976

pH = 4.0 4.0 Standard 15,000

pH = 7.0 7.0 Standard 1,413

pH = 10.0 10.0 Standard 447

DO Meter YSI 60 Standard 84

Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

Well # 03439-DMW02

Well Diameter (D) 2 inch of 75.00 feet(ft)

conversion factor (C): $3.143 \times (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

*Free Product Thickness _____ ft

Total Well Depth (TWD) 75.00 ft

Depth to Groundwater (DGW) 16.53 ft

Length of Water Column (LWC = TWD-DGW) 58.47 ft

1 Casing Volume (LWC * C) = _____ X .17 = 9.94 gals

3 Casing Volumes = 3 X _____ = 29.82 gals
(Standard Purge Volume)

Total Volume of Water Purged Before Sampling 30.0 gals

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

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	<u>0.0</u>	<u>30.0</u>	<u>30.0</u>						
Time (military)	<u>1537</u>	<u>1647</u>	<u>1657</u>						
pH (s.u)	<u>6.62</u>	<u>7.38</u>	<u>6.95</u>						
Specific Conductivity (OS)	<u>8963</u>	<u>6474</u>	<u>6019</u>						
Water Temperature (°C)	<u>18.3</u>	<u>17.8</u>	<u>20.9</u>						
Turbidity (NTU)	<u>108</u>	<u>76.1</u>	<u>14.7</u>						
Dissolved Oxygen (mg/l)	<u>9.1</u>	<u>7.0</u>	<u>7.1</u>						

Remarks: Well sampled at 1627 on 7/17

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Date _____

Field Personnel N. Mantellini & G. Davis

General weather Conditions _____

Ambient Air Temperature (°C) _____

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32

serial no. 324976 serial no. 324976

pH = 4.0 4.0 Standard 15,000

pH = 7.0 7.0 Standard 1,413

pH = 10.0 10.0 Standard 447

DO Meter YSI 60 Standard 84

Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

Well # 03439-DMW04

Well Diameter (D) 2 inch of 60.00 feet(ft)

conversion factor (C): $3.143 * (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

*Free Product Thickness _____ ft

Total Well Depth (TWD) 60.00 ft

Depth to Groundwater (DGW) 24.73 ft

Length of Water Column (LWC = TWD-DGW) 35.27 ft

1 Casing Volume (LWC*C) = _____ X .17 = 6.00 gals

3 Casing Volumes = 3 X _____ = 18.00 gals
(Standard Purge Volume)

Total Volume of Water Purged Before Sampling 18.00 gals

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

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	<u>6.0</u>	<u>6.0</u>	<u>18.0</u>						
Time (military)	<u>9:28</u>	<u>9:30</u>	<u>9:32</u>	<u>9:34</u>					
pH (s.u)	<u>5.88</u>	<u>5.90</u>	<u>5.78</u>	<u>5.80</u>					
Specific Conductivity (OS)	<u>21.08</u>	<u>20.83</u>	<u>19.94</u>	<u>20.89</u>					
Water Temperature (°C)	<u>16.2</u>	<u>18.1</u>	<u>18.7</u>	<u>18.0</u>					
Turbidity (NTU)	<u>1.2</u>	<u>38.9</u>	<u>14.4</u>	<u>9.8</u>					
Dissolved Oxygen (mg/l)	<u>1.2</u>	<u>1.2</u>	<u>1.2</u>	<u>1.2</u>					

Remarks: Well sampled at 9:34 on 7/8

APPENDIX C

LABORATORY DATA SHEETS



Report of Analysis

Bunnell-Lammons Engineering, Inc.
6004 Ponders Court
Greenville, SC 29615
Attention: Trevor Benton

Project Name: HWY 11 Grocery

Project Number: J21-10768-07

Lot Number: **WG10013**

Date Completed: 07/27/2021

07/28/2021 9:30 AM

Approved and released by:
Project Manager II: **Lucas Odom**



The electronic signature above is the equivalent of a handwritten signature.
This report shall not be reproduced, except in its entirety, without the written approval of Pace Analytical Services, LLC.

PACE ANALYTICAL SERVICES, LLC

SC DHEC No: 32010001

NELAC No: E87653

NC DENR No: 329

NC Field Parameters No: 5639

Case Narrative Bunnell-Lammons Engineering, Inc. Lot Number: WG10013

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 The NELAC Institute (TNI) standards, the Pace Analytical Services, LLC ("Pace") Laboratory Quality Manual, standard operating procedures (SOPs), and Pace policies. Any exceptions to the TNI standards, the Laboratory Quality Manual, SOPs or policies are qualified on the results page or discussed below.

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

EDB by Microextraction

Samples -003, -013, -016, -017, -018, -020, -023, and -024 have been qualified with a "P" as the relative percent difference between the two GC columns exceeds method criteria. Per SCDHEC, the lesser of the two values has been reported.

PACE ANALYTICAL SERVICES, LLC

Sample Summary Bunnell-Lammons Engineering, Inc. Lot Number: WG10013

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	03439-MW02	Aqueous	07/08/2021 1049	07/10/2021
002	03439-MW04	Aqueous	07/08/2021 0957	07/10/2021
003	03439-MW06	Aqueous	07/08/2021 0921	07/10/2021
004	03439-MW08	Aqueous	07/07/2021 1603	07/10/2021
005	03439-MW09	Aqueous	07/07/2021 1440	07/10/2021
006	03439-MW10	Aqueous	07/08/2021 1136	07/10/2021
007	03439-MW11	Aqueous	07/08/2021 1143	07/10/2021
008	03439-MW12	Aqueous	07/07/2021 1352	07/10/2021
009	03439-MW13	Aqueous	07/07/2021 1024	07/10/2021
010	03439-MW14	Aqueous	07/07/2021 1340	07/10/2021
011	03439-MW14 Dup	Aqueous	07/07/2021 1342	07/10/2021
012	03439-MW15	Aqueous	07/08/2021 0810	07/10/2021
013	03439-RW01	Aqueous	07/08/2021 1036	07/10/2021
014	03439-RW02	Aqueous	07/08/2021 0902	07/10/2021
015	03439-RW04	Aqueous	07/08/2021 0847	07/10/2021
016	03439-RW08	Aqueous	07/07/2021 1521	07/10/2021
017	03439-RW08 Dup	Aqueous	07/07/2021 1523	07/10/2021
018	03439-RW09	Aqueous	07/07/2021 1622	07/10/2021
019	03439-RW10	Aqueous	07/07/2021 1645	07/10/2021
020	03439-RW11	Aqueous	07/08/2021 1226	07/10/2021
021	03439-RW12	Aqueous	07/08/2021 1244	07/10/2021
022	03439-RW13	Aqueous	07/07/2021 1526	07/10/2021
023	03439-RW16	Aqueous	07/08/2021 1225	07/10/2021
024	03439-RW17	Aqueous	07/08/2021 1301	07/10/2021
025	03439-DMW01	Aqueous	07/08/2021 1006	07/10/2021
026	03439-DMW02	Aqueous	07/07/2021 1627	07/10/2021
027	03439-DMW04	Aqueous	07/08/2021 0934	07/10/2021
028	03439-SW-1	Aqueous	07/07/2021 1400	07/10/2021
029	03439-SW-2	Aqueous	07/07/2021 1405	07/10/2021
030	03439-SW-3	Aqueous	07/07/2021 1410	07/10/2021
031	03439-SW-4	Aqueous	07/07/2021 1415	07/10/2021
032	03439-FB01	Aqueous	07/07/2021 1200	07/10/2021
033	03439-FB02	Aqueous	07/08/2021 0730	07/10/2021
034	03439-TB01	Aqueous	07/07/2021	07/10/2021

(34 samples)

PACE ANALYTICAL SERVICES, LLC

Detection Summary Bunnell-Lammons Engineering, Inc. Lot Number: WG10013

Sample ID	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
002	03439-MW04	Aqueous	tert-Amyl alcohol (TAA)	8260D	11	J	ug/L	9
002	03439-MW04	Aqueous	Benzene	8260D	3.6		ug/L	9
002	03439-MW04	Aqueous	Ethylbenzene	8260D	29		ug/L	9
002	03439-MW04	Aqueous	Naphthalene	8260D	5.6		ug/L	9
002	03439-MW04	Aqueous	Toluene	8260D	26		ug/L	9
002	03439-MW04	Aqueous	Xylenes (total)	8260D	160		ug/L	9
003	03439-MW06	Aqueous	tert-Amyl methyl ether	8260D	69	J	ug/L	10
003	03439-MW06	Aqueous	Benzene	8260D	1200		ug/L	10
003	03439-MW06	Aqueous	Ethylbenzene	8260D	1200		ug/L	10
003	03439-MW06	Aqueous	Methyl tertiary butyl ether	8260D	340		ug/L	10
003	03439-MW06	Aqueous	Naphthalene	8260D	320		ug/L	10
003	03439-MW06	Aqueous	tert-butyl alcohol (TBA)	8260D	44	J	ug/L	10
003	03439-MW06	Aqueous	Toluene	8260D	7600		ug/L	10
003	03439-MW06	Aqueous	Xylenes (total)	8260D	7200		ug/L	10
003	03439-MW06	Aqueous	1,2-Dibromoethane (EDB)	8011	0.013	JP	ug/L	10
004	03439-MW08	Aqueous	Benzene	8260D	2300		ug/L	11
004	03439-MW08	Aqueous	Ethylbenzene	8260D	3300		ug/L	11
004	03439-MW08	Aqueous	Methyl tertiary butyl ether	8260D	150	J	ug/L	11
004	03439-MW08	Aqueous	Naphthalene	8260D	650		ug/L	11
004	03439-MW08	Aqueous	Toluene	8260D	18000		ug/L	11
004	03439-MW08	Aqueous	Xylenes (total)	8260D	18000		ug/L	11
006	03439-MW10	Aqueous	Benzene	8260D	0.56	J	ug/L	13
010	03439-MW14	Aqueous	tert-Amyl alcohol (TAA)	8260D	100	J	ug/L	17
010	03439-MW14	Aqueous	Benzene	8260D	250		ug/L	17
010	03439-MW14	Aqueous	Diisopropyl ether (IPE)	8260D	4.1	J	ug/L	17
010	03439-MW14	Aqueous	Ethylbenzene	8260D	480		ug/L	17
010	03439-MW14	Aqueous	Methyl tertiary butyl ether	8260D	22		ug/L	17
010	03439-MW14	Aqueous	Naphthalene	8260D	150		ug/L	17
010	03439-MW14	Aqueous	tert-butyl alcohol (TBA)	8260D	11	J	ug/L	17
010	03439-MW14	Aqueous	Toluene	8260D	110		ug/L	17
010	03439-MW14	Aqueous	Xylenes (total)	8260D	2400		ug/L	17
011	03439-MW14 Dup	Aqueous	tert-Amyl alcohol (TAA)	8260D	110	J	ug/L	18
011	03439-MW14 Dup	Aqueous	Benzene	8260D	250		ug/L	18
011	03439-MW14 Dup	Aqueous	Diisopropyl ether (IPE)	8260D	4.6	J	ug/L	18
011	03439-MW14 Dup	Aqueous	Ethylbenzene	8260D	490		ug/L	18
011	03439-MW14 Dup	Aqueous	Methyl tertiary butyl ether	8260D	22		ug/L	18
011	03439-MW14 Dup	Aqueous	Naphthalene	8260D	160		ug/L	18
011	03439-MW14 Dup	Aqueous	tert-butyl alcohol (TBA)	8260D	8.8	J	ug/L	18
011	03439-MW14 Dup	Aqueous	Toluene	8260D	110		ug/L	18
011	03439-MW14 Dup	Aqueous	Xylenes (total)	8260D	2500		ug/L	18
012	03439-MW15	Aqueous	tert-butyl alcohol (TBA)	8260D	0.67	J	ug/L	19
013	03439-RW01	Aqueous	tert-Amyl methyl ether	8260D	120	J	ug/L	20
013	03439-RW01	Aqueous	Benzene	8260D	830		ug/L	20
013	03439-RW01	Aqueous	Diisopropyl ether (IPE)	8260D	45		ug/L	20
013	03439-RW01	Aqueous	Ethylbenzene	8260D	740		ug/L	20

Detection Summary (Continued)

Lot Number: WG10013

Sample ID	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
013	03439-RW01	Aqueous	Methyl tertiary butyl ether	8260D	600		ug/L	20
013	03439-RW01	Aqueous	Naphthalene	8260D	180		ug/L	20
013	03439-RW01	Aqueous	tert-butyl alcohol (TBA)	8260D	170	J	ug/L	20
013	03439-RW01	Aqueous	Toluene	8260D	2200		ug/L	20
013	03439-RW01	Aqueous	Xylenes (total)	8260D	4600		ug/L	20
013	03439-RW01	Aqueous	1,2-Dibromoethane (EDB)	8011	0.038	P	ug/L	20
014	03439-RW02	Aqueous	tert-Amyl methyl ether	8260D	37	J	ug/L	21
014	03439-RW02	Aqueous	Benzene	8260D	530		ug/L	21
014	03439-RW02	Aqueous	Ethylbenzene	8260D	970		ug/L	21
014	03439-RW02	Aqueous	Methyl tertiary butyl ether	8260D	290		ug/L	21
014	03439-RW02	Aqueous	Naphthalene	8260D	230		ug/L	21
014	03439-RW02	Aqueous	tert-butyl alcohol (TBA)	8260D	86	J	ug/L	21
014	03439-RW02	Aqueous	Toluene	8260D	4700		ug/L	21
014	03439-RW02	Aqueous	Xylenes (total)	8260D	5100		ug/L	21
015	03439-RW04	Aqueous	tert-Amyl methyl ether	8260D	32	J	ug/L	22
015	03439-RW04	Aqueous	Benzene	8260D	410		ug/L	22
015	03439-RW04	Aqueous	Diisopropyl ether (IPE)	8260D	15	J	ug/L	22
015	03439-RW04	Aqueous	Ethylbenzene	8260D	380		ug/L	22
015	03439-RW04	Aqueous	Methyl tertiary butyl ether	8260D	180		ug/L	22
015	03439-RW04	Aqueous	Naphthalene	8260D	120		ug/L	22
015	03439-RW04	Aqueous	tert-butyl alcohol (TBA)	8260D	61	J	ug/L	22
015	03439-RW04	Aqueous	Toluene	8260D	2300		ug/L	22
015	03439-RW04	Aqueous	Xylenes (total)	8260D	2400		ug/L	22
016	03439-RW08	Aqueous	Benzene	8260D	3100		ug/L	23
016	03439-RW08	Aqueous	Ethylbenzene	8260D	3100		ug/L	23
016	03439-RW08	Aqueous	Methyl tertiary butyl ether	8260D	150	J	ug/L	23
016	03439-RW08	Aqueous	Naphthalene	8260D	510		ug/L	23
016	03439-RW08	Aqueous	tert-butyl alcohol (TBA)	8260D	120	J	ug/L	23
016	03439-RW08	Aqueous	Toluene	8260D	22000		ug/L	23
016	03439-RW08	Aqueous	Xylenes (total)	8260D	16000		ug/L	23
016	03439-RW08	Aqueous	1,2-Dibromoethane (EDB)	8011	0.034	P	ug/L	23
017	03439-RW08 Dup	Aqueous	Benzene	8260D	3300		ug/L	24
017	03439-RW08 Dup	Aqueous	Ethylbenzene	8260D	3200		ug/L	24
017	03439-RW08 Dup	Aqueous	Methyl tertiary butyl ether	8260D	170	J	ug/L	24
017	03439-RW08 Dup	Aqueous	Naphthalene	8260D	520		ug/L	24
017	03439-RW08 Dup	Aqueous	tert-butyl alcohol (TBA)	8260D	97	J	ug/L	24
017	03439-RW08 Dup	Aqueous	Toluene	8260D	23000		ug/L	24
017	03439-RW08 Dup	Aqueous	Xylenes (total)	8260D	17000		ug/L	24
017	03439-RW08 Dup	Aqueous	1,2-Dibromoethane (EDB)	8011	0.030	P	ug/L	24
018	03439-RW09	Aqueous	Benzene	8260D	1600		ug/L	25
018	03439-RW09	Aqueous	Ethylbenzene	8260D	4200		ug/L	25
018	03439-RW09	Aqueous	Naphthalene	8260D	840		ug/L	25
018	03439-RW09	Aqueous	Toluene	8260D	16000		ug/L	25
018	03439-RW09	Aqueous	Xylenes (total)	8260D	23000		ug/L	25
018	03439-RW09	Aqueous	1,2-Dibromoethane (EDB)	8011	0.017	JP	ug/L	25
019	03439-RW10	Aqueous	tert-Amyl alcohol (TAA)	8260D	630	J	ug/L	26
019	03439-RW10	Aqueous	tert-Amyl methyl ether	8260D	69	J	ug/L	26
019	03439-RW10	Aqueous	Benzene	8260D	2000		ug/L	26

Detection Summary (Continued)

Lot Number: WG10013

Sample ID	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
019	03439-RW10	Aqueous	Diisopropyl ether (IPE)	8260D	40	J	ug/L	26
019	03439-RW10	Aqueous	Ethylbenzene	8260D	1800		ug/L	26
019	03439-RW10	Aqueous	Methyl tertiary butyl ether	8260D	190		ug/L	26
019	03439-RW10	Aqueous	Naphthalene	8260D	440		ug/L	26
019	03439-RW10	Aqueous	tert-butyl alcohol (TBA)	8260D	69	J	ug/L	26
019	03439-RW10	Aqueous	Toluene	8260D	4200		ug/L	26
019	03439-RW10	Aqueous	Xylenes (total)	8260D	9900		ug/L	26
020	03439-RW11	Aqueous	tert-Amyl alcohol (TAA)	8260D	940	J	ug/L	27
020	03439-RW11	Aqueous	tert-Amyl methyl ether	8260D	76	J	ug/L	27
020	03439-RW11	Aqueous	Benzene	8260D	2700		ug/L	27
020	03439-RW11	Aqueous	Ethylbenzene	8260D	2800		ug/L	27
020	03439-RW11	Aqueous	Methyl tertiary butyl ether	8260D	260		ug/L	27
020	03439-RW11	Aqueous	Naphthalene	8260D	540		ug/L	27
020	03439-RW11	Aqueous	tert-butyl alcohol (TBA)	8260D	85	J	ug/L	27
020	03439-RW11	Aqueous	Toluene	8260D	15000		ug/L	27
020	03439-RW11	Aqueous	Xylenes (total)	8260D	15000		ug/L	27
020	03439-RW11	Aqueous	1,2-Dibromoethane (EDB)	8011	0.022	P	ug/L	27
021	03439-RW12	Aqueous	tert-Amyl alcohol (TAA)	8260D	500	J	ug/L	28
021	03439-RW12	Aqueous	tert-Amyl methyl ether	8260D	52	J	ug/L	28
021	03439-RW12	Aqueous	Benzene	8260D	1500		ug/L	28
021	03439-RW12	Aqueous	Diisopropyl ether (IPE)	8260D	26	J	ug/L	28
021	03439-RW12	Aqueous	Ethylbenzene	8260D	1600		ug/L	28
021	03439-RW12	Aqueous	Methyl tertiary butyl ether	8260D	130		ug/L	28
021	03439-RW12	Aqueous	Naphthalene	8260D	420		ug/L	28
021	03439-RW12	Aqueous	tert-butyl alcohol (TBA)	8260D	55	J	ug/L	28
021	03439-RW12	Aqueous	Toluene	8260D	3300		ug/L	28
021	03439-RW12	Aqueous	Xylenes (total)	8260D	9100		ug/L	28
022	03439-RW13	Aqueous	tert-Amyl alcohol (TAA)	8260D	150		ug/L	29
022	03439-RW13	Aqueous	tert-Amyl methyl ether	8260D	8.0	J	ug/L	29
022	03439-RW13	Aqueous	Benzene	8260D	260		ug/L	29
022	03439-RW13	Aqueous	Diisopropyl ether (IPE)	8260D	5.6		ug/L	29
022	03439-RW13	Aqueous	Ethylbenzene	8260D	230		ug/L	29
022	03439-RW13	Aqueous	Methyl tertiary butyl ether	8260D	23		ug/L	29
022	03439-RW13	Aqueous	Naphthalene	8260D	95		ug/L	29
022	03439-RW13	Aqueous	tert-butyl alcohol (TBA)	8260D	12	J	ug/L	29
022	03439-RW13	Aqueous	Toluene	8260D	140		ug/L	29
022	03439-RW13	Aqueous	Xylenes (total)	8260D	1500		ug/L	29
023	03439-RW16	Aqueous	tert-Amyl alcohol (TAA)	8260D	1600	J	ug/L	30
023	03439-RW16	Aqueous	tert-Amyl methyl ether	8260D	250	J	ug/L	30
023	03439-RW16	Aqueous	Benzene	8260D	5600		ug/L	30
023	03439-RW16	Aqueous	Diisopropyl ether (IPE)	8260D	140	J	ug/L	30
023	03439-RW16	Aqueous	Ethylbenzene	8260D	3200		ug/L	30
023	03439-RW16	Aqueous	Methyl tertiary butyl ether	8260D	660		ug/L	30
023	03439-RW16	Aqueous	Naphthalene	8260D	570		ug/L	30
023	03439-RW16	Aqueous	tert-butyl alcohol (TBA)	8260D	210	J	ug/L	30
023	03439-RW16	Aqueous	Toluene	8260D	26000		ug/L	30
023	03439-RW16	Aqueous	Xylenes (total)	8260D	16000		ug/L	30
023	03439-RW16	Aqueous	1,2-Dibromoethane (EDB)	8011	0.088	P	ug/L	30

Detection Summary (Continued)

Lot Number: WG10013

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
024	03439-RW17	Aqueous	Benzene	8260D	3000		ug/L	31
024	03439-RW17	Aqueous	Ethylbenzene	8260D	3000		ug/L	31
024	03439-RW17	Aqueous	Naphthalene	8260D	450		ug/L	31
024	03439-RW17	Aqueous	Toluene	8260D	24000		ug/L	31
024	03439-RW17	Aqueous	Xylenes (total)	8260D	15000		ug/L	31
024	03439-RW17	Aqueous	1,2-Dibromoethane (EDB)	8011	0.028	P	ug/L	31
025	03439-DMW01	Aqueous	Benzene	8260D	1.6		ug/L	32
025	03439-DMW01	Aqueous	Ethylbenzene	8260D	3.8		ug/L	32
025	03439-DMW01	Aqueous	Naphthalene	8260D	0.78	J	ug/L	32
025	03439-DMW01	Aqueous	Toluene	8260D	21		ug/L	32
025	03439-DMW01	Aqueous	Xylenes (total)	8260D	20		ug/L	32
026	03439-DMW02	Aqueous	Benzene	8260D	0.92	J	ug/L	33
026	03439-DMW02	Aqueous	Ethylbenzene	8260D	1.9		ug/L	33
026	03439-DMW02	Aqueous	Toluene	8260D	11		ug/L	33
026	03439-DMW02	Aqueous	Xylenes (total)	8260D	7.9		ug/L	33
027	03439-DMW04	Aqueous	Benzene	8260D	5.6		ug/L	34
027	03439-DMW04	Aqueous	Ethylbenzene	8260D	8.2		ug/L	34
027	03439-DMW04	Aqueous	Naphthalene	8260D	1.5		ug/L	34
027	03439-DMW04	Aqueous	Toluene	8260D	53		ug/L	34
027	03439-DMW04	Aqueous	Xylenes (total)	8260D	45		ug/L	34
028	03439-SW-1	Aqueous	Benzene	8260D	0.58	J	ug/L	35
028	03439-SW-1	Aqueous	Ethylbenzene	8260D	0.71	J	ug/L	35
028	03439-SW-1	Aqueous	Methyl tertiary butyl ether	8260D	0.73	J	ug/L	35
028	03439-SW-1	Aqueous	Toluene	8260D	0.75	J	ug/L	35
028	03439-SW-1	Aqueous	Xylenes (total)	8260D	3.4		ug/L	35
029	03439-SW-2	Aqueous	Benzene	8260D	2.0		ug/L	36
029	03439-SW-2	Aqueous	Ethylbenzene	8260D	3.0		ug/L	36
029	03439-SW-2	Aqueous	Methyl tertiary butyl ether	8260D	1.7		ug/L	36
029	03439-SW-2	Aqueous	Naphthalene	8260D	0.74	J	ug/L	36
029	03439-SW-2	Aqueous	tert-butyl alcohol (TBA)	8260D	0.76	J	ug/L	36
029	03439-SW-2	Aqueous	Toluene	8260D	5.1		ug/L	36
029	03439-SW-2	Aqueous	Xylenes (total)	8260D	15		ug/L	36
030	03439-SW-3	Aqueous	Benzene	8260D	7.5		ug/L	37
030	03439-SW-3	Aqueous	Ethylbenzene	8260D	8.6		ug/L	37
030	03439-SW-3	Aqueous	Methyl tertiary butyl ether	8260D	3.5		ug/L	37
030	03439-SW-3	Aqueous	Naphthalene	8260D	2.2		ug/L	37
030	03439-SW-3	Aqueous	Toluene	8260D	15		ug/L	37
030	03439-SW-3	Aqueous	Xylenes (total)	8260D	47		ug/L	37
031	03439-SW-4	Aqueous	Benzene	8260D	5.4		ug/L	38
031	03439-SW-4	Aqueous	Ethylbenzene	8260D	5.9		ug/L	38
031	03439-SW-4	Aqueous	Methyl tertiary butyl ether	8260D	3.1		ug/L	38
031	03439-SW-4	Aqueous	Naphthalene	8260D	1.8		ug/L	38
031	03439-SW-4	Aqueous	Toluene	8260D	12		ug/L	38
031	03439-SW-4	Aqueous	Xylenes (total)	8260D	35		ug/L	38

(185 detections)

Description: 03439-MW02

Matrix: Aqueous

Date Sampled: 07/08/2021 1049

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/17/2021 0154	BBW		99176
2	5030B	8260D	1	07/22/2021 1122	BBW		99749

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	2
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	2
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	2
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	2
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	2
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		71	70-130		104	70-130
Toluene-d8		86	70-130		108	70-130
Bromofluorobenzene		108	70-130		104	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	07/15/2021 2242	JPB	07/13/2021 0858	98639

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1

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

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 03439-MW04

Matrix: Aqueous

Date Sampled: 07/08/2021 0957

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/17/2021 0219	BBW		99176
2	5030B	8260D	1	07/22/2021 1146	BBW		99749

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	11	J	20	8.0	ug/L	2
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	2
Benzene	71-43-2	8260D	3.6		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	2
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	29		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	2
Naphthalene	91-20-3	8260D	5.6		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	2
Toluene	108-88-3	8260D	26		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	160		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		71	70-130		106	70-130
Toluene-d8		85	70-130		107	70-130
Bromofluorobenzene		109	70-130		106	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	07/15/2021 2304	JPB	07/13/2021 0858	98639

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		116	57-137

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	100	07/17/2021 0511	BBW		99176
2	5030B	8260D	100	07/21/2021 1826	BBW		99589

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		2000	800	ug/L	2
tert-Amyl methyl ether (TAME)	994-05-8	8260D	69	J	1000	42	ug/L	2
Benzene	71-43-2	8260D	1200		100	40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		500	200	ug/L	2
1,2-Dichloroethane	107-06-2	8260D	ND		100	40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		100	40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		2000	800	ug/L	1
Ethanol	64-17-5	8260D	ND		10000	5200	ug/L	1
Ethylbenzene	100-41-4	8260D	1200		100	40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		100	40	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	340		100	40	ug/L	2
Naphthalene	91-20-3	8260D	320		100	40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	44	J	2000	40	ug/L	2
Toluene	108-88-3	8260D	7600		100	40	ug/L	1
Xylenes (total)	1330-20-7	8260D	7200		100	40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		71	70-130		106	70-130
Toluene-d8		86	70-130		109	70-130
Bromofluorobenzene		112	70-130		106	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	07/15/2021 2325	JPB	07/13/2021 0858	98639

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	0.013	JP	0.020	0.0049	ug/L	1

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

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 03439-MW08

Matrix: Aqueous

Date Sampled: 07/07/2021 1603

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	200	07/17/2021 0625	BBW		99176
2	5030B	8260D	200	07/21/2021 1937	BBW		99589

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		4000	1600	ug/L	2
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		2000	84	ug/L	2
Benzene	71-43-2	8260D	2300		200	80	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		1000	400	ug/L	2
1,2-Dichloroethane	107-06-2	8260D	ND		200	80	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		200	80	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		4000	1600	ug/L	1
Ethanol	64-17-5	8260D	ND		20000	10000	ug/L	1
Ethylbenzene	100-41-4	8260D	3300		200	80	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		200	80	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	150	J	200	80	ug/L	2
Naphthalene	91-20-3	8260D	650		200	80	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		4000	80	ug/L	2
Toluene	108-88-3	8260D	18000		200	80	ug/L	1
Xylenes (total)	1330-20-7	8260D	18000		200	80	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		71	70-130		110	70-130
Toluene-d8		87	70-130		110	70-130
Bromofluorobenzene		112	70-130		108	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	5	07/16/2021 1009	JPB	07/13/2021 0858	98639

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.097	0.024	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		125	57-137

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 03439-MW09

Matrix: Aqueous

Date Sampled: 07/07/2021 1440

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/17/2021 0244	BBW		99176
2	5030B	8260D	1	07/21/2021 1534	BBW		99589

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	2
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	2
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	2
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	2
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	2
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		71	70-130		102	70-130
Toluene-d8		87	70-130		108	70-130
Bromofluorobenzene		111	70-130		106	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	07/15/2021 2346	JPB	07/13/2021 0858	98639

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0047	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		102	57-137

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 03439-MW10

Matrix: Aqueous

Date Sampled: 07/08/2021 1136

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/17/2021 0309	BBW		99176
2	5030B	8260D	1	07/22/2021 1236	BBW		99749

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	2
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	2
Benzene	71-43-2	8260D	0.56	J	1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	2
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	2
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	2
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		70	70-130		106	70-130
Toluene-d8		87	70-130		108	70-130
Bromofluorobenzene		109	70-130		108	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	07/15/2021 2357	JPB	07/13/2021 0858	98639

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1

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

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: 03439-MW11

Matrix: Aqueous

Date Sampled: 07/08/2021 1143

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/17/2021 0333	BBW		99176
2	5030B	8260D	1	07/22/2021 1300	BBW		99749

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	2
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	2
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	2
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	2
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	2
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		71	70-130		108	70-130
Toluene-d8		85	70-130		108	70-130
Bromofluorobenzene		106	70-130		106	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	07/16/2021 0008	JPB	07/13/2021 0858	98639

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1

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

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: 03439-MW12

Matrix: Aqueous

Date Sampled: 07/07/2021 1352

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/17/2021 0358	BBW		99176
2	5030B	8260D	1	07/21/2021 1559	BBW		99589

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	2
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	2
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	2
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	2
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	2
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		70	70-130		104	70-130
Toluene-d8		85	70-130		108	70-130
Bromofluorobenzene		107	70-130		104	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	07/16/2021 0018	JPB	07/13/2021 0858	98639

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		103	57-137

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 03439-MW13

Matrix: Aqueous

Date Sampled: 07/07/2021 1024

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/17/2021 0422	BBW		99176
2	5030B	8260D	1	07/21/2021 1624	BBW		99589

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	2
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	2
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	2
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	2
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	2
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		70	70-130		104	70-130
Toluene-d8		86	70-130		108	70-130
Bromofluorobenzene		110	70-130		104	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	07/16/2021 0029	JPB	07/13/2021 0858	98639

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		99	57-137

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 03439-MW14

Matrix: Aqueous

Date Sampled: 07/07/2021 1340

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	10	07/17/2021 1606	JM1		99219

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	100	J	200	80	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		100	4.2	ug/L	1
Benzene	71-43-2	8260D	250		10	4.0	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		50	20	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		10	4.0	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	4.1	J	10	4.0	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		200	80	ug/L	1
Ethanol	64-17-5	8260D	ND		1000	520	ug/L	1
Ethylbenzene	100-41-4	8260D	480		10	4.0	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		10	4.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	22		10	4.0	ug/L	1
Naphthalene	91-20-3	8260D	150		10	4.0	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	11	J	200	4.0	ug/L	1
Toluene	108-88-3	8260D	110		10	4.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	2400		10	4.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		75	70-130
Toluene-d8		91	70-130
Bromofluorobenzene		119	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	07/16/2021 0040	JPB	07/13/2021 0858	98639

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1

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

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 03439-MW14 Dup

Matrix: Aqueous

Date Sampled: 07/07/2021 1342

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	10	07/17/2021 1630	JM1		99219		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	110	J	200	80	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		100	4.2	ug/L	1	
Benzene	71-43-2	8260D	250		10	4.0	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		50	20	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		10	4.0	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	4.6	J	10	4.0	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		200	80	ug/L	1	
Ethanol	64-17-5	8260D	ND		1000	520	ug/L	1	
Ethylbenzene	100-41-4	8260D	490		10	4.0	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		10	4.0	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	22		10	4.0	ug/L	1	
Naphthalene	91-20-3	8260D	160		10	4.0	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	8.8	J	200	4.0	ug/L	1	
Toluene	108-88-3	8260D	110		10	4.0	ug/L	1	
Xylenes (total)	1330-20-7	8260D	2500		10	4.0	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		75	70-130						
Toluene-d8		90	70-130						
Bromofluorobenzene		119	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/16/2021 0050	JPB	07/13/2021 0858	98639		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		118	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 03439-MW15

Matrix: Aqueous

Date Sampled: 07/08/2021 0810

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	07/17/2021 1339	JM1		99219		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	0.67	J	20	0.40	ug/L	1	
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		76	70-130						
Toluene-d8		92	70-130						
Bromofluorobenzene		118	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/16/2021 0101	JPB	07/13/2021 0858	98639		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		107	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 03439-RW01

Matrix: Aqueous

Date Sampled: 07/08/2021 1036

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	20	07/17/2021 1654	JM1		99219
2	5030B	8260D	100	07/22/2021 1845	BBW		99749

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		400	160	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	120	J	200	8.4	ug/L	1
Benzene	71-43-2	8260D	830		20	8.0	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		100	40	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		20	8.0	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	45		20	8.0	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		400	160	ug/L	1
Ethanol	64-17-5	8260D	ND		2000	1000	ug/L	1
Ethylbenzene	100-41-4	8260D	740		20	8.0	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		20	8.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	600		20	8.0	ug/L	1
Naphthalene	91-20-3	8260D	180		20	8.0	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	170	J	400	8.0	ug/L	1
Toluene	108-88-3	8260D	2200		100	40	ug/L	2
Xylenes (total)	1330-20-7	8260D	4600		20	8.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		74	70-130		107	70-130
Toluene-d8		89	70-130		108	70-130
Bromofluorobenzene		118	70-130		106	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	07/16/2021 0111	JPB	07/13/2021 0858	98639

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	0.038	P	0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		109	57-137

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 03439-RW02

Matrix: Aqueous

Date Sampled: 07/08/2021 0902

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	50	07/17/2021 1719	JM1		99219

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		1000	400	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	37	J	500	21	ug/L	1
Benzene	71-43-2	8260D	530		50	20	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		250	100	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		50	20	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		50	20	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		1000	400	ug/L	1
Ethanol	64-17-5	8260D	ND		5000	2600	ug/L	1
Ethylbenzene	100-41-4	8260D	970		50	20	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		50	20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	290		50	20	ug/L	1
Naphthalene	91-20-3	8260D	230		50	20	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	86	J	1000	20	ug/L	1
Toluene	108-88-3	8260D	4700		50	20	ug/L	1
Xylenes (total)	1330-20-7	8260D	5100		50	20	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		74	70-130
Toluene-d8		89	70-130
Bromofluorobenzene		116	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	07/16/2021 0122	JPB	07/13/2021 0858	98639

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1

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

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 03439-RW04

Matrix: Aqueous

Date Sampled: 07/08/2021 0847

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	20	07/17/2021 1743	JM1		99219

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		400	160	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	32	J	200	8.4	ug/L	1
Benzene	71-43-2	8260D	410		20	8.0	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		100	40	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		20	8.0	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	15	J	20	8.0	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		400	160	ug/L	1
Ethanol	64-17-5	8260D	ND		2000	1000	ug/L	1
Ethylbenzene	100-41-4	8260D	380		20	8.0	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		20	8.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	180		20	8.0	ug/L	1
Naphthalene	91-20-3	8260D	120		20	8.0	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	61	J	400	8.0	ug/L	1
Toluene	108-88-3	8260D	2300		20	8.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	2400		20	8.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		74	70-130
Toluene-d8		90	70-130
Bromofluorobenzene		118	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	07/16/2021 0133	JPB	07/13/2021 0858	98639

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1

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

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 03439-RW08

Matrix: Aqueous

Date Sampled: 07/07/2021 1521

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	200	07/17/2021 1807	JM1		99219

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		4000	1600	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		2000	84	ug/L	1
Benzene	71-43-2	8260D	3100		200	80	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		1000	400	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		200	80	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		200	80	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		4000	1600	ug/L	1
Ethanol	64-17-5	8260D	ND		20000	10000	ug/L	1
Ethylbenzene	100-41-4	8260D	3100		200	80	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		200	80	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	150	J	200	80	ug/L	1
Naphthalene	91-20-3	8260D	510		200	80	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	120	J	4000	80	ug/L	1
Toluene	108-88-3	8260D	22000		200	80	ug/L	1
Xylenes (total)	1330-20-7	8260D	16000		200	80	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		74	70-130
Toluene-d8		89	70-130
Bromofluorobenzene		116	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	07/16/2021 0143	JPB	07/13/2021 0858	98639

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	0.034	P	0.020	0.0049	ug/L	1

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

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 03439-RW08 Dup

Matrix: Aqueous

Date Sampled: 07/07/2021 1523

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	200	07/17/2021 1831	JM1		99219		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		4000	1600	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		2000	84	ug/L	1	
Benzene	71-43-2	8260D	3300		200	80	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		1000	400	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		200	80	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		200	80	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		4000	1600	ug/L	1	
Ethanol	64-17-5	8260D	ND		20000	10000	ug/L	1	
Ethylbenzene	100-41-4	8260D	3200		200	80	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		200	80	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	170	J	200	80	ug/L	1	
Naphthalene	91-20-3	8260D	520		200	80	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	97	J	4000	80	ug/L	1	
Toluene	108-88-3	8260D	23000		200	80	ug/L	1	
Xylenes (total)	1330-20-7	8260D	17000		200	80	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		75	70-130						
Toluene-d8		91	70-130						
Bromofluorobenzene		118	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/16/2021 0154	JPB	07/13/2021 0858	98639		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	0.030	P	0.020	0.0050	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		111	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 03439-RW09

Matrix: Aqueous

Date Sampled: 07/07/2021 1622

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	200	07/17/2021 1856	JM1		99219

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		4000	1600	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		2000	84	ug/L	1
Benzene	71-43-2	8260D	1600		200	80	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		1000	400	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		200	80	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		200	80	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		4000	1600	ug/L	1
Ethanol	64-17-5	8260D	ND		20000	10000	ug/L	1
Ethylbenzene	100-41-4	8260D	4200		200	80	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		200	80	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		200	80	ug/L	1
Naphthalene	91-20-3	8260D	840		200	80	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		4000	80	ug/L	1
Toluene	108-88-3	8260D	16000		200	80	ug/L	1
Xylenes (total)	1330-20-7	8260D	23000		200	80	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		75	70-130
Toluene-d8		91	70-130
Bromofluorobenzene		117	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	07/16/2021 0205	JPB	07/13/2021 0858	98639

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	0.017	JP	0.020	0.0049	ug/L	1

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

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 03439-RW10

Matrix: Aqueous

Date Sampled: 07/07/2021 1645

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	50	07/17/2021 1920	JM1		99219

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	630	J	1000	400	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	69	J	500	21	ug/L	1
Benzene	71-43-2	8260D	2000		50	20	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		250	100	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		50	20	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	40	J	50	20	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		1000	400	ug/L	1
Ethanol	64-17-5	8260D	ND		5000	2600	ug/L	1
Ethylbenzene	100-41-4	8260D	1800		50	20	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		50	20	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	190		50	20	ug/L	1
Naphthalene	91-20-3	8260D	440		50	20	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	69	J	1000	20	ug/L	1
Toluene	108-88-3	8260D	4200		50	20	ug/L	1
Xylenes (total)	1330-20-7	8260D	9900		50	20	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		75	70-130
Toluene-d8		90	70-130
Bromofluorobenzene		116	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	5	07/16/2021 1020	JPB	07/13/2021 0858	98639

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.10	0.025	ug/L	1

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

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 03439-RW11

Matrix: Aqueous

Date Sampled: 07/08/2021 1226

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	100	07/17/2021 1944	JM1		99219

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	940	J	2000	800	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	76	J	1000	42	ug/L	1
Benzene	71-43-2	8260D	2700		100	40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		500	200	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		100	40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		100	40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		2000	800	ug/L	1
Ethanol	64-17-5	8260D	ND		10000	5200	ug/L	1
Ethylbenzene	100-41-4	8260D	2800		100	40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		100	40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	260		100	40	ug/L	1
Naphthalene	91-20-3	8260D	540		100	40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	85	J	2000	40	ug/L	1
Toluene	108-88-3	8260D	15000		100	40	ug/L	1
Xylenes (total)	1330-20-7	8260D	15000		100	40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		75	70-130
Toluene-d8		90	70-130
Bromofluorobenzene		118	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	07/16/2021 0258	JPB	07/13/2021 0921	98640

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	0.022	P	0.019	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		115	57-137

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	50	07/17/2021 2008	JM1		99219		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	500	J	1000	400	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	52	J	500	21	ug/L	1	
Benzene	71-43-2	8260D	1500		50	20	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		250	100	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		50	20	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	26	J	50	20	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		1000	400	ug/L	1	
Ethanol	64-17-5	8260D	ND		5000	2600	ug/L	1	
Ethylbenzene	100-41-4	8260D	1600		50	20	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		50	20	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	130		50	20	ug/L	1	
Naphthalene	91-20-3	8260D	420		50	20	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	55	J	1000	20	ug/L	1	
Toluene	108-88-3	8260D	3300		50	20	ug/L	1	
Xylenes (total)	1330-20-7	8260D	9100		50	20	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		74	70-130						
Toluene-d8		90	70-130						
Bromofluorobenzene		117	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/16/2021 0319	JPB	07/13/2021 0921	98640		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		115	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: 03439-RW13

Matrix: Aqueous

Date Sampled: 07/07/2021 1526

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	5	07/17/2021 2033	JM1		99219

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	150		100	40	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	8.0	J	50	2.1	ug/L	1
Benzene	71-43-2	8260D	260		5.0	2.0	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		25	10	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		5.0	2.0	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	5.6		5.0	2.0	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		100	40	ug/L	1
Ethanol	64-17-5	8260D	ND		500	260	ug/L	1
Ethylbenzene	100-41-4	8260D	230		5.0	2.0	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		5.0	2.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	23		5.0	2.0	ug/L	1
Naphthalene	91-20-3	8260D	95		5.0	2.0	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	12	J	100	2.0	ug/L	1
Toluene	108-88-3	8260D	140		5.0	2.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	1500		5.0	2.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		74	70-130
Toluene-d8		91	70-130
Bromofluorobenzene		119	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	07/16/2021 0341	JPB	07/13/2021 0921	98640

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.028	0.0069	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		120	57-137

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	200	07/17/2021 2058	JM1		99219		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	1600	J	4000	1600	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	250	J	2000	84	ug/L	1	
Benzene	71-43-2	8260D	5600		200	80	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		1000	400	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		200	80	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	140	J	200	80	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		4000	1600	ug/L	1	
Ethanol	64-17-5	8260D	ND		20000	10000	ug/L	1	
Ethylbenzene	100-41-4	8260D	3200		200	80	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		200	80	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	660		200	80	ug/L	1	
Naphthalene	91-20-3	8260D	570		200	80	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	210	J	4000	80	ug/L	1	
Toluene	108-88-3	8260D	26000		200	80	ug/L	1	
Xylenes (total)	1330-20-7	8260D	16000		200	80	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		74	70-130						
Toluene-d8		89	70-130						
Bromofluorobenzene		117	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/16/2021 0352	JPB	07/13/2021 0921	98640		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	0.088	P	0.019	0.0049	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		121	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 03439-RW17

Matrix: Aqueous

Date Sampled: 07/08/2021 1301

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	200	07/17/2021 2122	JM1		99219

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		4000	1600	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		2000	84	ug/L	1
Benzene	71-43-2	8260D	3000		200	80	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		1000	400	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		200	80	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		200	80	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		4000	1600	ug/L	1
Ethanol	64-17-5	8260D	ND		20000	10000	ug/L	1
Ethylbenzene	100-41-4	8260D	3000		200	80	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		200	80	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		200	80	ug/L	1
Naphthalene	91-20-3	8260D	450		200	80	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		4000	80	ug/L	1
Toluene	108-88-3	8260D	24000		200	80	ug/L	1
Xylenes (total)	1330-20-7	8260D	15000		200	80	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		75	70-130
Toluene-d8		90	70-130
Bromofluorobenzene		115	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	07/16/2021 0402	JPB	07/13/2021 0921	98640

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	0.028	P	0.020	0.0049	ug/L	1

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

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 03439-DMW01

Matrix: Aqueous

Date Sampled: 07/08/2021 1006

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/17/2021 1404	JM1		99219

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	1.6		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	3.8		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	0.78	J	1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1
Toluene	108-88-3	8260D	21		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	20		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		75	70-130
Toluene-d8		91	70-130
Bromofluorobenzene		117	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	07/16/2021 0413	JPB	07/13/2021 0921	98640

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		116	57-137

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit Q = Surrogate failure
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL L = LCS/LCSD failure
 H = Out of holding time W = Reported on wet weight basis S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/17/2021 1427	JM1		99219

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	0.92	J	1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	1.9		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1
Toluene	108-88-3	8260D	11		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	7.9		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		76	70-130
Toluene-d8		92	70-130
Bromofluorobenzene		116	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	07/16/2021 0423	JPB	07/13/2021 0921	98640

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0049	ug/L	1

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

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 03439-DMW04

Matrix: Aqueous

Date Sampled: 07/08/2021 0934

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	07/17/2021 1452	JM1		99219		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	5.6		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	8.2		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	1.5		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1	
Toluene	108-88-3	8260D	53		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	45		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		74	70-130						
Toluene-d8		90	70-130						
Bromofluorobenzene		114	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/16/2021 0434	JPB	07/13/2021 0921	98640		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		114	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: 03439-SW-1

Matrix: Aqueous

Date Sampled: 07/07/2021 1400

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/17/2021 1517	JM1		99219

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	0.58	J	1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	0.71	J	1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	0.73	J	1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1
Toluene	108-88-3	8260D	0.75	J	1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	3.4		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		74	70-130
Toluene-d8		90	70-130
Bromofluorobenzene		114	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	07/16/2021 0445	JPB	07/13/2021 0921	98640

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1

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

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: 03439-SW-2

Matrix: Aqueous

Date Sampled: 07/07/2021 1405

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	07/17/2021 1542	JM1		99219		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	2.0		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	3.0		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	1.7		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	0.74	J	1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	0.76	J	20	0.40	ug/L	1	
Toluene	108-88-3	8260D	5.1		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	15		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		75	70-130						
Toluene-d8		91	70-130						
Bromofluorobenzene		117	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/16/2021 0456	JPB	07/13/2021 0921	98640		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0049	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		111	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 03439-SW-3

Matrix: Aqueous

Date Sampled: 07/07/2021 1410

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/17/2021 1650	JM1		99220

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	7.5		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	8.6		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	3.5		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	2.2		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1
Toluene	108-88-3	8260D	15		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	47		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	70-130
Toluene-d8		106	70-130
Bromofluorobenzene		105	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	07/16/2021 0506	JPB	07/13/2021 0921	98640

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		115	57-137

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit Q = Surrogate failure
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL L = LCS/LCSD failure
 H = Out of holding time W = Reported on wet weight basis S = MS/MSD failure

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Description: 03439-SW-4

Matrix: Aqueous

Date Sampled: 07/07/2021 1415

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	
1	5030B	8260D	1	07/17/2021 1711	JM1		99220	
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	5.4		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	5.9		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	3.1		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	1.8		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1
Toluene	108-88-3	8260D	12		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	35		1.0	0.40	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4		104	70-130					
Toluene-d8		105	70-130					
Bromofluorobenzene		100	70-130					

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	
1	8011	8011	1	07/16/2021 0517	JPB	07/13/2021 0921	98640	
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0049	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,1,1,2-Tetrachloroethane		112	57-137					

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 03439-FB01

Matrix: Aqueous

Date Sampled: 07/07/2021 1200

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/17/2021 1333	JM1		99220

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		106	70-130
Bromofluorobenzene		103	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	07/16/2021 0528	JPB	07/13/2021 0921	98640

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1

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

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 03439-FB02

Matrix: Aqueous

Date Sampled: 07/08/2021 0730

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/17/2021 1355	JM1		99220

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		102	70-130
Bromofluorobenzene		102	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	07/16/2021 0539	JPB	07/13/2021 0921	98640

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1

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

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 03439-TB01

Matrix: Aqueous

Date Sampled: 07/07/2021

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/17/2021 1416	JM1		99220

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		102	70-130
Bromofluorobenzene		102	70-130

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ99176-001

Matrix: Aqueous

Batch: 99176

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
Benzene	ND		1	1.0	0.40	ug/L	07/16/2021 2150
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	07/16/2021 2150
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	07/16/2021 2150
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	07/16/2021 2150
Ethanol	ND		1	100	52	ug/L	07/16/2021 2150
Ethylbenzene	ND		1	1.0	0.40	ug/L	07/16/2021 2150
Naphthalene	ND		1	1.0	0.40	ug/L	07/16/2021 2150
Toluene	ND		1	1.0	0.40	ug/L	07/16/2021 2150
Xylenes (total)	ND		1	1.0	0.40	ug/L	07/16/2021 2150
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		73	70-130				
Toluene-d8		88	70-130				
Bromofluorobenzene		109	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ99176-002

Matrix: Aqueous

Batch: 99176

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Benzene	50	51		1	102	70-130	07/16/2021 2101
1,2-Dichloroethane	50	51		1	101	70-130	07/16/2021 2101
Diisopropyl ether (IPE)	50	47		1	94	70-130	07/16/2021 2101
3,3-Dimethyl-1-butanol	1000	970		1	97	70-130	07/16/2021 2101
Ethanol	5000	5100		1	102	70-130	07/16/2021 2101
Ethylbenzene	50	52		1	103	70-130	07/16/2021 2101
Naphthalene	50	46		1	92	70-130	07/16/2021 2101
Toluene	50	50		1	99	70-130	07/16/2021 2101
Xylenes (total)	100	100		1	103	70-130	07/16/2021 2101
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		96	70-130				
Toluene-d8		100	70-130				
Bromofluorobenzene		102	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ99219-001

Matrix: Aqueous

Batch: 99219

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	07/17/2021 1229
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	07/17/2021 1229
Benzene	ND		1	1.0	0.40	ug/L	07/17/2021 1229
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	07/17/2021 1229
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	07/17/2021 1229
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	07/17/2021 1229
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	07/17/2021 1229
Ethanol	ND		1	100	52	ug/L	07/17/2021 1229
Ethylbenzene	ND		1	1.0	0.40	ug/L	07/17/2021 1229
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	07/17/2021 1229
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	07/17/2021 1229
Naphthalene	ND		1	1.0	0.40	ug/L	07/17/2021 1229
tert-butyl alcohol (TBA)	ND		1	20	0.40	ug/L	07/17/2021 1229
Toluene	ND		1	1.0	0.40	ug/L	07/17/2021 1229
Xylenes (total)	ND		1	1.0	0.40	ug/L	07/17/2021 1229
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		71	70-130				
Toluene-d8		87	70-130				
Bromofluorobenzene		112	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ99219-002

Matrix: Aqueous

Batch: 99219

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	940		1	94	70-130	07/17/2021 1141
tert-Amyl methyl ether (TAME)	50	43		1	86	70-130	07/17/2021 1141
Benzene	50	50		1	100	70-130	07/17/2021 1141
tert-Butyl formate (TBF)	250	210		1	83	70-130	07/17/2021 1141
1,2-Dichloroethane	50	50		1	101	70-130	07/17/2021 1141
Diisopropyl ether (IPE)	50	48		1	95	70-130	07/17/2021 1141
3,3-Dimethyl-1-butanol	1000	990		1	99	70-130	07/17/2021 1141
Ethanol	5000	5200		1	105	70-130	07/17/2021 1141
Ethylbenzene	50	50		1	99	70-130	07/17/2021 1141
Ethyl-tert-butyl ether (ETBE)	50	42		1	84	70-130	07/17/2021 1141
Methyl tertiary butyl ether (MTBE)	50	45		1	89	70-130	07/17/2021 1141
Naphthalene	50	47		1	93	70-130	07/17/2021 1141
tert-butyl alcohol (TBA)	1000	940		1	94	70-130	07/17/2021 1141
Toluene	50	49		1	97	70-130	07/17/2021 1141
Xylenes (total)	100	99		1	99	70-130	07/17/2021 1141
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		94	70-130				
Toluene-d8		97	70-130				
Bromofluorobenzene		97	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - MS

Sample ID: WG10013-024MS

Matrix: Aqueous

Batch: 99219

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	ND	200000	190000		200	97	70-130	07/17/2021 2146
tert-Amyl methyl ether (TAME)	ND	10000	9700		200	97	70-130	07/17/2021 2146
Benzene	3000	10000	14000		200	107	70-130	07/17/2021 2146
tert-Butyl formate (TBF)	ND	50000	41000		200	81	70-130	07/17/2021 2146
1,2-Dichloroethane	ND	10000	11000		200	107	70-130	07/17/2021 2146
Diisopropyl ether (IPE)	ND	10000	10000		200	101	70-130	07/17/2021 2146
3,3-Dimethyl-1-butanol	ND	200000	200000		200	100	70-130	07/17/2021 2146
Ethanol	ND	1000000	1100000		200	107	70-130	07/17/2021 2146
Ethylbenzene	3000	10000	13000		200	105	70-130	07/17/2021 2146
Ethyl-tert-butyl ether (ETBE)	ND	10000	9400		200	94	70-130	07/17/2021 2146
Methyl tertiary butyl ether (MTBE)	ND	10000	10000		200	104	70-130	07/17/2021 2146
Naphthalene	450	10000	10000		200	100	70-130	07/17/2021 2146
tert-butyl alcohol (TBA)	ND	200000	200000		200	98	70-130	07/17/2021 2146
Toluene	24000	10000	33000		200	92	70-130	07/17/2021 2146
Xylenes (total)	15000	20000	36000		200	104	70-130	07/17/2021 2146
Surrogate	Q	% Rec	Acceptance Limit					
1,2-Dichloroethane-d4		99	70-130					
Toluene-d8		102	70-130					
Bromofluorobenzene		101	70-130					

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - MSD

Sample ID: WG10013-024MD

Matrix: Aqueous

Batch: 99219

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	ND	200000	190000		200	95	1.9	70-130	20	07/17/2021 2210
tert-Amyl methyl ether (TAME)	ND	10000	8600		200	86	12	70-130	20	07/17/2021 2210
Benzene	3000	10000	14000		200	111	3.4	70-130	20	07/17/2021 2210
tert-Butyl formate (TBF)	ND	50000	37000		200	74	9.9	70-130	20	07/17/2021 2210
1,2-Dichloroethane	ND	10000	11000		200	109	2.1	70-130	20	07/17/2021 2210
Diisopropyl ether (IPE)	ND	10000	10000		200	102	1.6	70-130	20	07/17/2021 2210
3,3-Dimethyl-1-butanol	ND	200000	210000		200	103	3.3	70-130	20	07/17/2021 2210
Ethanol	ND	1000000	1000000		200	105	2.1	70-130	20	07/17/2021 2210
Ethylbenzene	3000	10000	14000		200	111	4.2	70-130	20	07/17/2021 2210
Ethyl-tert-butyl ether (ETBE)	ND	10000	8500		200	85	10	70-130	20	07/17/2021 2210
Methyl tertiary butyl ether (MTBE)	ND	10000	8700		200	87	18	70-130	20	07/17/2021 2210
Naphthalene	450	10000	11000		200	101	0.89	70-130	20	07/17/2021 2210
tert-butyl alcohol (TBA)	ND	200000	180000		200	92	6.9	70-130	20	07/17/2021 2210
Toluene	24000	10000	35000		200	108	4.6	70-130	20	07/17/2021 2210
Xylenes (total)	15000	20000	37000		200	113	4.7	70-130	20	07/17/2021 2210

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		102	70-130
Toluene-d8		106	70-130
Bromofluorobenzene		105	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ99220-001

Matrix: Aqueous

Batch: 99220

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	07/17/2021 1208
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	07/17/2021 1208
Benzene	ND		1	1.0	0.40	ug/L	07/17/2021 1208
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	07/17/2021 1208
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	07/17/2021 1208
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	07/17/2021 1208
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	07/17/2021 1208
Ethanol	ND		1	100	52	ug/L	07/17/2021 1208
Ethylbenzene	ND		1	1.0	0.40	ug/L	07/17/2021 1208
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	07/17/2021 1208
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	07/17/2021 1208
Naphthalene	ND		1	1.0	0.40	ug/L	07/17/2021 1208
tert-butyl alcohol (TBA)	ND		1	20	0.40	ug/L	07/17/2021 1208
Toluene	ND		1	1.0	0.40	ug/L	07/17/2021 1208
Xylenes (total)	ND		1	1.0	0.40	ug/L	07/17/2021 1208
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		92	70-130				
Toluene-d8		104	70-130				
Bromofluorobenzene		101	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ99220-002

Matrix: Aqueous

Batch: 99220

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1100		1	110	70-130	07/17/2021 1125
tert-Amyl methyl ether (TAME)	50	55		1	110	70-130	07/17/2021 1125
Benzene	50	52		1	104	70-130	07/17/2021 1125
tert-Butyl formate (TBF)	250	310		1	122	70-130	07/17/2021 1125
1,2-Dichloroethane	50	51		1	103	70-130	07/17/2021 1125
Diisopropyl ether (IPE)	50	55		1	110	70-130	07/17/2021 1125
3,3-Dimethyl-1-butanol	1000	1100		1	110	70-130	07/17/2021 1125
Ethanol	5000	5400		1	107	70-130	07/17/2021 1125
Ethylbenzene	50	53		1	105	70-130	07/17/2021 1125
Ethyl-tert-butyl ether (ETBE)	50	55		1	110	70-130	07/17/2021 1125
Methyl tertiary butyl ether (MTBE)	50	55		1	110	70-130	07/17/2021 1125
Naphthalene	50	53		1	105	70-130	07/17/2021 1125
tert-butyl alcohol (TBA)	1000	1100		1	110	70-130	07/17/2021 1125
Toluene	50	53		1	105	70-130	07/17/2021 1125
Xylenes (total)	100	110		1	107	70-130	07/17/2021 1125
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		102	70-130				
Toluene-d8		106	70-130				
Bromofluorobenzene		102	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ99589-001

Matrix: Aqueous

Batch: 99589

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	07/21/2021 1121
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	07/21/2021 1121
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	07/21/2021 1121
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	07/21/2021 1121
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	07/21/2021 1121
tert-butyl alcohol (TBA)	ND		1	20	0.40	ug/L	07/21/2021 1121

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		107	70-130
Toluene-d8		109	70-130
Bromofluorobenzene		107	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ99589-002

Matrix: Aqueous

Batch: 99589

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	920		1	92	70-130	07/21/2021 1010
tert-Amyl methyl ether (TAME)	50	47		1	95	70-130	07/21/2021 1010
tert-Butyl formate (TBF)	250	240		1	96	70-130	07/21/2021 1010
Ethyl-tert-butyl ether (ETBE)	50	47		1	94	70-130	07/21/2021 1010
Methyl tertiary butyl ether (MTBE)	50	47		1	93	70-130	07/21/2021 1010
tert-butyl alcohol (TBA)	1000	920		1	92	70-130	07/21/2021 1010
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		96	70-130				
Toluene-d8		94	70-130				
Bromofluorobenzene		93	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ99749-001

Matrix: Aqueous

Batch: 99749

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	07/22/2021 0955
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	07/22/2021 0955
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	07/22/2021 0955
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	07/22/2021 0955
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	07/22/2021 0955
tert-butyl alcohol (TBA)	ND		1	20	0.40	ug/L	07/22/2021 0955
Toluene	ND		1	1.0	0.40	ug/L	07/22/2021 0955
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		108	70-130				
Toluene-d8		109	70-130				
Bromofluorobenzene		104	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ99749-002

Matrix: Aqueous

Batch: 99749

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	930		1	93	70-130	07/22/2021 0849
tert-Amyl methyl ether (TAME)	50	51		1	102	70-130	07/22/2021 0849
tert-Butyl formate (TBF)	250	270		1	107	70-130	07/22/2021 0849
Ethyl-tert-butyl ether (ETBE)	50	49		1	98	70-130	07/22/2021 0849
Methyl tertiary butyl ether (MTBE)	50	49		1	98	70-130	07/22/2021 0849
tert-butyl alcohol (TBA)	1000	920		1	92	70-130	07/22/2021 0849
Toluene	50	50		1	100	70-130	07/22/2021 0849
Surrogate	Q	% Rec			Acceptance Limit		
1,2-Dichloroethane-d4		102			70-130		
Toluene-d8		99			70-130		
Bromofluorobenzene		101			70-130		

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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EDB & DBCP by Microextraction - MB

Sample ID: WQ98639-001

Matrix: Aqueous

Batch: 98639

Prep Method: 8011

Analytical Method: 8011

Prep Date: 07/13/2021 0858

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.0050	ug/L	07/15/2021 2210
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		109	57-137				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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EDB & DBCP by Microextraction - LCS

Sample ID: WQ98639-002

Matrix: Aqueous

Batch: 98639

Prep Method: 8011

Analytical Method: 8011

Prep Date: 07/13/2021 0858

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	07/15/2021 2221
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		103	57-137				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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EDB & DBCP by Microextraction - MS

Sample ID: WG10013-001MS

Matrix: Aqueous

Batch: 98639

Prep Method: 8011

Analytical Method: 8011

Prep Date: 07/13/2021 0858

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	0.24	0.24		1	97	60-140	07/15/2021 2253
Surrogate	Q	% Rec	Acceptance Limit					
1,1,1,2-Tetrachloroethane		111	57-137					

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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

EDB & DBCP by Microextraction - Duplicate

Sample ID: WG10013-002DU

Matrix: Aqueous

Batch: 98639

Prep Method: 8011

Analytical Method: 8011

Prep Date: 07/13/2021 0858

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	%RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	07/15/2021 2314
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		117	57-137				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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

EDB & DBCP by Microextraction - MB

Sample ID: WQ98640-001

Matrix: Aqueous

Batch: 98640

Prep Method: 8011

Analytical Method: 8011

Prep Date: 07/13/2021 0921

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.0050	ug/L	07/16/2021 0237
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		108	57-137				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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

EDB & DBCP by Microextraction - LCS

Sample ID: WQ98640-002

Matrix: Aqueous

Batch: 98640

Prep Method: 8011

Analytical Method: 8011

Prep Date: 07/13/2021 0921

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.28		1	112	60-140	07/16/2021 0247
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		109	57-137				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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

EDB & DBCP by Microextraction - MS

Sample ID: WG10013-020MS

Matrix: Aqueous

Batch: 98640

Prep Method: 8011

Analytical Method: 8011

Prep Date: 07/13/2021 0921

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.022	0.24	0.27		1	102	60-140	07/16/2021 0309
Surrogate	Q	% Rec	Acceptance Limit					
1,1,1,2-Tetrachloroethane		115	57-137					

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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

EDB & DBCP by Microextraction - Duplicate

Sample ID: WG10013-021DU

Matrix: Aqueous

Batch: 98640

Prep Method: 8011

Analytical Method: 8011

Prep Date: 07/13/2021 0921

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	%RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	07/16/2021 0330
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		115	57-137				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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**Chain of Custody
and
Miscellaneous Documents**

PACE ANALYTICAL SERVICES, LLC



PACE ANALYTICAL SERVICES, LLC
 106 Vantage Point Drive • West Columbia, SC 29172
 Telephone No. 803-791-9700 Fax No. 803-791-9111
 www.pacelabs.com

Number 123001

Client: BLE	Report to Contact: Trevor Benton	Telephone No. / E-mail:	Quote No.:
Address: 6004 Pondless Court	Sample's Signature: <i>Trevor Benton</i>	Analysis (Attach for if more space is needed)	Page: 1 of 1
City: Greenville	Printed Name: <i>Trevor Benton</i>		Barcode:
State: SC	Project Name: Hwy 11 Grocery	LJO:	Remarks / Cooler LJO:
Zip Code: 29615	P.O. No.:		
Project No.: 521-10768-07	Collection Time (Military):		
Sample ID / Description:	Container (Delete):	No. of Containers by Preservative Type:	
(Containers for each sample may be combined on one line.)		ACRY 5	
03439-MU02	7/7/21 1049		
MU04	7/7/21 0957		
MU06	7/7/21 0921		extra
MU08	7/7/21 1603		extra
MU09	7/7/21 1440		
MU10	7/7/21 1136		
MU11	7/7/21 1143		
MU12	7/7/21 1357		
MU13	7/7/21 1024		
MU14	7/7/21 1340		extra

Turn Round Time Required (Prior lab approval required for expedited RT.)	Sample Disposal:	Possible Hazard Identification:	OC Requirements (Specify):
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (Specify)	<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Dispose by Lab	<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammables <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison <input type="checkbox"/> Unknown	Date: 7/9/21 Time: 0943
1. Retrievished by <i>Trevor Benton</i>	Date: 7/9/21 Time: 0943	1. Received by <i>Trevor Benton</i>	Date: 7/9/21 Time:
2. Retrievished by <i>Trevor Benton</i>	Date: 7/9/21 Time: 1145	2. Received by	Date: Time:
3. Retrievished by	Date: Time:	3. Retrievished by	Date: Time:
4. Retrievished by	Date: Time:	4. Laboratory received by <i>Jacqueline...</i>	Date: 7/9/21 Time: 1645

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

Document Number: MEG002-01

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

PACE ANALYTICAL SERVICES, LLC



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 www.pacelabs.com

Number 123002

Client BLE	Report to Contact Trevor Benton	Telephone No. / E-mail	Quote No.
Address 6004 Ponders Court Greenville Project Name: Hwy 11 Grocery	Sampler's Signature <i>[Signature]</i> Printed Name: Grant Davis	Analysis (Attach list if more space is needed)	Page 2 of 2
State SC Zip Code 29615	Matrix	OC Requirements (Specify)	
Project No. 521-10768-07	Collection Date(s)	Sample Disposal	
Sample ID / Description	Collection Time (Military)	Return to Client	
<small>(Containers for each sample only for removal on site)</small>			
03439-10114 Amp	7/17/21 1342	✓	
1725	7/17/21 0810		
R101	7/17/21 0330		
R102	7/17/21 0942		
R104	7/17/21 0947		
R108	7/17/21 1521		
R108 Amp	7/17/21 1523		
R109	7/17/21 1623		
R110	7/17/21 1645		
R111	7/17/21 1736		
Turn Around Time	Sample Disposal	Possible Hazard Identification	OC Requirements (Specify)
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> RUSH (Specify)	<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab	<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Bioremediation <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison <input type="checkbox"/> Unlabeled	Date / Time
1. Reinquished by Grant Davis	Date: 7/16/21 Time: 0943	1. Received by Matt Edwards	Date: 7/19/21 Time: 0943
2. Reinquished by Matt Edwards	Date: 7/16/21 Time: 1645	2. Received by	Date:
3. Reinquished by	Date:	3. Received by	Date:
4. Reinquished by	Date:	4. Laboratory received by <i>[Signature]</i>	Date: 7/14/21 Time: 1415
Note: All samples are retained for four weeks from receipt unless other arrangements are made.			Temp Blank <input checked="" type="checkbox"/> Y

Document Number: MED030MS-01

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Samples; PINK-Field-Client Copy



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Number 123003

Client BLE		Report to Contact Trevor Benton		Telephone No. / Email		Quote No.	
Address 6004 Ponders Court		Sampler's Signature		Analysis (Attach kit if more spaces as needed)		Page 3 of 4	
City Greenville		Printed Name		Barcode WG10013		LUG	
Project Name Hwy 11 Grocery		P.O. No.		Remarks / Container I.D.			
Project No. 521-10768-07		Collection Date(s)					
Sample ID / Description (Containers for each sample may be combined on one line.)		Collection Time (Military)		Matrix		No. of Containers by Preservative Type	
03489-A012		7/19/21 1244		None		None	
A013		7/17/21 1536		None		None	
A016		7/18/21 1235		None		None	
A017		7/18/21 1501		None		None	
A01801		7/17/21 1427		None		None	
A01802		7/18/21 0934		None		None	
A01804		7/17/21 1400		None		None	
A01-1		7/17/21 1405		None		None	
A01-2		7/17/21 1410		None		None	
A01-3		7/17/21 1410		None		None	

Turn Around Time Required (Prior lab approval required for expedited turn.)		Sample Disposal		Possible Hazard Identification		OC Requirements (Specify)	
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (Specify)		<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison <input type="checkbox"/> Unknown		Daily Time	
1. Relinquished by <i>Walt Davis</i>		Date 7/19/21 Time 0943		1. Received by <i>Walt Davis</i>		Date 7/19/21 Time 0943	
2. Relinquished by <i>Walt Davis</i>		Date 7/19/21 Time 1645		2. Received by		Date	
3. Relinquished by		Date		3. Received by		Date	
4. Relinquished by		Date		4. Laboratory received by <i>Joseph D</i>		Date 7/19/21 Time 1615	

LAB USE ONLY
 Received on for (Check) No fee Pack Receipt Time: 17 °C

DISTRIBUTION: WHITE & YELLOW: Return to laboratory with samples; PINK: Field/Client Copy
 Document Number: MEC00312-07



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Number 123004

PACE ANALYTICAL SERVICES, LLC

Client: <i>ALF</i>		Report to Contact: <i>Tommy Smith</i>		Telephone No. / E-mail:	Quote No.:
Address: <i>Cornel Sanders Ct</i>		Sampler's Signature: <i>[Signature]</i>		Analyser: (Attach list if more space is needed)	
City: <i>Columbia</i>	State: <i>SC</i>	Printed Name: <i>Tommy Smith</i>		Pages: <i>4</i> of <i>4</i>	
Project Name: <i>Highway 17</i>	Project No.: <i>0718-07</i>		Barcode: WG10013		
Sample ID / Description: <i>03439-5L-4</i>	P.O. No.:	Collection Time (Military):	Collection Date:	LWD	
<i>ESOL</i>		<i>7/19/11</i>	<i>1415</i>	Remarks / Cooler I.D.:	
<i>ESOL</i>		<i>7/19/11</i>	<i>1800</i>		
<i>ESOL</i>		<i>7/18/11</i>	<i>0730</i>		
<i>ESOL</i>		<i>lab</i>	<i>lab</i>		

Turn Around Time Required (Prior lab approval required for expedited IAC) RT Standards <input type="checkbox"/> Rush/Specify	Sample Disposal <input checked="" type="checkbox"/> Biohazard Client <input type="checkbox"/> Susceptible to Lab	Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison <input type="checkbox"/> Unknown	GC Requirements (Specify)	
			Date	Time
1. Reimquished by: <i>Tommy Smith</i>	Date: <i>7/19/11</i> Time: <i>0943</i>	1. Received by: <i>[Signature]</i>	Date: <i>7/19/11</i>	Time: <i>0943</i>
2. Reimquished by: <i>[Signature]</i>	Date: <i>7/19/11</i> Time: <i>1145</i>	2. Received by:	Date:	Time:
3. Reimquished by:	Date:	3. Received by:	Date:	Time:
4. Reimquished by:	Date:	4. Laboratory received by: <i>[Signature]</i>	Date: <i>7/19/11</i>	Time: <i>1615</i>
Note: All samples are retained for four weeks from receipt unless other arrangements are made.			Temp Blank <input checked="" type="checkbox"/> <input type="checkbox"/> N	Temp: <i>17</i> °C

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

Document Number: ME000202-01

PACE ANALYTICAL SERVICES, LLC



Samples Receipt Checklist (SRC) (ME0018C-15)

Issuing Authority: Pace ENV - WCOL

Revised: 9/29/2020

Page 1 of 1

Sample Receipt Checklist (SRC)

Client: BLE

Cooler Inspected by/date: JSM / 07/10/2021

Lot #: WG10013

Means of receipt: <input checked="" type="checkbox"/> Pace <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	1. Were custody seals present on the cooler?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	2. If custody seals were present, were they intact and unbroken?
pH Strip ID: NA Chlorine Strip ID: NA Tested by: NA	
Original temperature upon receipt / Derived (Corrected) temperature upon receipt %Solid Snap-Cup ID: NA	
1.7 / 1.7 °C NA / NA °C NA / NA °C NA / NA °C	
Method: <input checked="" type="checkbox"/> Temperature Blank <input type="checkbox"/> Against Bottles IR Gun ID: 5 IR Gun Correction Factor: 0 °C	
Method of coolant: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Ice Packs <input type="checkbox"/> Dry Ice <input type="checkbox"/> None	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one).
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	4. Is the commercial courier's packing slip attached to this form?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. Were proper custody procedures (relinquished/received) followed?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6. Were sample IDs listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7. Were sample IDs listed on all sample containers?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8. Was collection date & time listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9. Was collection date & time listed on all sample containers?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10. Did all container label information (ID, date, time) agree with the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. Were tests to be performed listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13. Was adequate sample volume available?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	14. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	15. Were any samples containers missing/excess (circle one) samples Not listed on COC?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	16. For VOA and RSK-175 samples, were bubbles present >"pea-size" ($\frac{1}{8}$" or 6mm in diameter) in any of the VOA vials?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	17. Were all DRO/metals/nutrient samples received at a pH of <math>< 2</math>?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	19. Were all applicable NH_3 /TKN/cyanide/phenol/625.1/608.3 (<math>< 0.5\text{mg/L}</math>) samples free of residual chlorine?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	21. Was the quote number listed on the container label? If yes, Quote # NA

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

Sample(s) NA were received incorrectly preserved and were adjusted accordingly in sample receiving with NA mL of circle one: H2SO4, HNO3, HCl, NaOH using SR # NA

Time of preservation NA. If more than one preservative is needed, please note in the comments below.

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

Samples(s) NA were received with TRC > 0.5 mg/L (if #19 is NA) and were adjusted accordingly in sample receiving with sodium thiosulfate (Na2S2O3) with Shealy ID: NA

SR barcode labels applied by: JSM Date: 07/10/2021

Comments:



Report of Analysis

Bunnell-Lammons Engineering, Inc.
6004 Ponders Court
Greenville, SC 29615
Attention: Trevor Benton

Project Name: HWY 11 Grocery

Project Number: 10768-07

Lot Number: **WG10014**

Date Completed: 07/22/2021

07/23/2021 11:19 AM

Approved and released by:
Project Manager II: **Lucas Odom**



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PACE ANALYTICAL SERVICES, LLC

SC DHEC No: 32010001

NELAC No: E87653

NC DENR No: 329

NC Field Parameters No: 5639

Case Narrative Bunnell-Lammons Engineering, Inc. Lot Number: WG10014

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 The NELAC Institute (TNI) standards, the Pace Analytical Services, LLC ("Pace") Laboratory Quality Manual, standard operating procedures (SOPs), and Pace policies. Any exceptions to the TNI standards, the Laboratory Quality Manual, SOPs or policies are qualified on the results page or discussed below.

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

Subcontracted Analysis

The analysis for VOCS by 524.2 have been performed by Pace Huntersville. This data has been ammended to this report.

PACE ANALYTICAL SERVICES, LLC

Sample Summary Bunnell-Lammons Engineering, Inc. Lot Number: WG10014

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	03439-WSW1	Aqueous	07/08/2021 1130	07/10/2021
002	03439-WSW1 Dup	Aqueous	07/08/2021 1132	07/10/2021
003	03439-WSW FB	Aqueous	07/08/2021 1115	07/10/2021
004	03439-TB01	Aqueous	07/08/2021	07/10/2021

(4 samples)

PACE ANALYTICAL SERVICES, LLC

Detection Summary
Bunnell-Lammons Engineering, Inc.
Lot Number: WG10014

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
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(0 detections)

Description: 03439-WSW1

Matrix: Aqueous

Date Sampled: 07/08/2021 1130

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	07/17/2021 1606	JM1		99220		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		101	70-130						
Toluene-d8		104	70-130						
Bromofluorobenzene		100	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	504.1	504.1	1	07/15/2021 1628	JPB	07/15/2021 0921	98945		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	504.1	ND		0.020	0.0040	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		113	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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

Description: 03439-WSW1 Dup

Matrix: Aqueous

Date Sampled: 07/08/2021 1132

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	07/17/2021 1627	JM1		99220		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		103	70-130						
Toluene-d8		107	70-130						
Bromofluorobenzene		102	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	504.1	504.1	1	07/15/2021 1640	JPB	07/15/2021 0921	98945		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	504.1	ND		0.019	0.0039	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		111	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: 03439-WSW FB

Matrix: Aqueous

Date Sampled: 07/08/2021 1115

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	07/17/2021 1438	JM1		99220		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		99	70-130						
Toluene-d8		101	70-130						
Bromofluorobenzene		98	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	504.1	504.1	1	07/15/2021 1652	JPB	07/15/2021 0921	98945		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	504.1	ND		0.020	0.0040	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		109	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: 03439-TB01

Matrix: Aqueous

Date Sampled: 07/08/2021

Date Received: 07/10/2021

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	07/17/2021 1500	JM1		99220		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		10	0.42	ug/L	1
tert-Butyl formate (TBF)		762-75-4	8260D	ND		5.0	2.0	ug/L	1
Diisopropyl ether (IPE)		108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol		64-17-5	8260D	ND		100	52	ug/L	1
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		20	0.40	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		93	70-130						
Toluene-d8		97	70-130						
Bromofluorobenzene		94	70-130						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ99220-001

Matrix: Aqueous

Batch: 99220

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	07/17/2021 1208
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	07/17/2021 1208
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	07/17/2021 1208
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	07/17/2021 1208
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	07/17/2021 1208
Ethanol	ND		1	100	52	ug/L	07/17/2021 1208
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	07/17/2021 1208
tert-butyl alcohol (TBA)	ND		1	20	0.40	ug/L	07/17/2021 1208

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		104	70-130
Bromofluorobenzene		101	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ99220-002

Matrix: Aqueous

Batch: 99220

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1100		1	110	70-130	07/17/2021 1125
tert-Amyl methyl ether (TAME)	50	55		1	110	70-130	07/17/2021 1125
tert-Butyl formate (TBF)	250	310		1	122	70-130	07/17/2021 1125
Diisopropyl ether (IPE)	50	55		1	110	70-130	07/17/2021 1125
3,3-Dimethyl-1-butanol	1000	1100		1	110	70-130	07/17/2021 1125
Ethanol	5000	5400		1	107	70-130	07/17/2021 1125
Ethyl-tert-butyl ether (ETBE)	50	55		1	110	70-130	07/17/2021 1125
tert-butyl alcohol (TBA)	1000	1100		1	110	70-130	07/17/2021 1125

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		102	70-130
Toluene-d8		106	70-130
Bromofluorobenzene		102	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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EDB & DBCP by Microextraction - MB

Sample ID: WQ98945-001

Matrix: Aqueous

Batch: 98945

Prep Method: 504.1

Analytical Method: 504.1

Prep Date: 07/15/2021 0921

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.0040	ug/L	07/15/2021 1416
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		110	57-137				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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EDB & DBCP by Microextraction - LCS

Sample ID: WQ98945-002

Matrix: Aqueous

Batch: 98945

Prep Method: 504.1

Analytical Method: 504.1

Prep Date: 07/15/2021 0921

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.26		1	105	70-130	07/15/2021 1428
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		117	57-137				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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**Chain of Custody
and
Miscellaneous Documents**



PACE ANALYTICAL SERVICES, LLC
 106 Vantage Point Drive • West Columbia, SC 29172
 Telephone No. 803-791-9700 Fax No. 803-791-9111
 www.pacelabs.com

Number 123005

PACE ANALYTICAL SERVICES, LLC

Client: *SLC* Report to Contact: _____ Telephone No / E-mail: _____ Circle No. _____

Address: *107th Ave SE* City: *Brentwood* State: *TN* Zip Code: *37027* Sample No.: _____

City: *Brentwood* Project Name: *107th Ave SE* Printed Name: _____

Project No.: *107th-07* Sample ID / Description: _____

(Containers for each sample may be combined on one line.)

P.O. No.	Collection Date(s)	Collection Time (Military)	Matrix	No. of Containers by Preservative Type						LUD	Remnants / Container I.D.
				Water	Acid	NaOH	NaF	NO ₂	W/S		
<i>03439-WSW1</i>	<i>7/19/21</i>	<i>1130</i>	<i>Water</i>	<i>6</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>3</i>	<i>W/SW 2012</i>
<i>WSW1 Aug</i>	<i>7/19/21</i>	<i>1132</i>	<i>Water</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>W/SW 2012</i>
<i>WSW Feb</i>	<i>7/19/21</i>	<i>1115</i>	<i>Water</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>W/SW 2012</i>
<i>TRW1</i>	<i>Lab</i>	<i>Lab</i>	<i>Water</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	

Analysis (Attach for if more space is needed)

Barcode: **WG10014**

Turn Around Time Required (Prior lab approval required for expedited TAT.)

- Standard Rush (Specify) _____
- Return to Client Disposed by lab Sample Disposal:
 - Date: *7/19/21* Time: *0943*
 - Date: *7/19/21* Time: *1645*
 - Date: _____ Time: _____
 - Date: _____ Time: _____

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

CC Requirements (Specify)

- 1. Retrieved by: *Walt DSC* Date: *7/19/21* Time: *0943*
- 2. Retrieved by: _____ Date: _____ Time: _____
- 3. Retrieved by: _____ Date: _____ Time: _____
- 4. Laboratory received by: _____ Date: _____ Time: _____

LAB USE ONLY
 Received on ice (Circle) *Yes* No *Ice Pack* Receptor Temp: *5.8* °C Temp Blank: *CRJN*

DISTRIBUTION: WRITE & YELLOW-Form to laboratory with Sample(s); PINK-Full/Client Copy
 Document Number: MEM3M2-01

PACE ANALYTICAL SERVICES, LLC



Samples Receipt Checklist (SRC) (ME0018C-15)
Issuing Authority: Pace ENV - WCQL

Revised: 9/29/2020
Page 1 of 1

Sample Receipt Checklist (SRC)

Client: BLE

Cooler Inspected by/date: JSM / 07/10/2021

Lot #: WG10014

Means of receipt: <input checked="" type="checkbox"/> Pace <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	1. Were custody seals present on the cooler?	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	2. If custody seals were present, were they intact and unbroken?	
pH Strip ID: NA Chlorine Strip ID: NA Tested by: NA		
Original temperature upon receipt / Derived (Corrected) temperature upon receipt %Solid Snap-Cup ID: NA		
5.8 / 5.8 °C NA / NA °C NA / NA °C NA / NA °C		
Method: <input checked="" type="checkbox"/> Temperature Blank <input type="checkbox"/> Against Bottles IR Gun ID: 5 IR Gun Correction Factor: 0 °C		
Method of coolant: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Ice Packs <input type="checkbox"/> Dry Ice <input type="checkbox"/> None		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one).	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	4. Is the commercial courier's packing slip attached to this form?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. Were proper custody procedures (relinquished/received) followed?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6. Were sample IDs listed on the COC?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7. Were sample IDs listed on all sample containers?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8. Was collection date & time listed on the COC?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9. Was collection date & time listed on all sample containers?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10. Did all container label information (ID, date, time) agree with the COC?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. Were tests to be performed listed on the COC?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13. Was adequate sample volume available?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	14. Were all samples received within ½ the holding time or 48 hours, whichever comes first?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	15. Were any samples containers missing/excess (circle one) samples Not listed on COC?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	16. For VOA and RSK-175 samples, were bubbles present >"pca-size" (¼" or 6mm in diameter in any of the VOA vials)?	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	17. Were all DRO/metals/nutrient samples received at a pH of < 2?	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	19. Were all applicable NH ₃ /TKN/cyanide/phenol/625.1/608.3 (< 0.5mg/L) samples free of residual chlorine?	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	21. Was the quote number listed on the container label? If yes, Quote # NA	
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)		
Sample(s) NA were received incorrectly preserved and were adjusted accordingly in sample receiving with NA mL of circle one: H2SO4, HNO3, HCl, NaOH using SR # NA		
Time of preservation NA If more than one preservative is needed, please note in the comments below.		
Sample(s) NA were received with bubbles >6 mm in diameter.		
Samples(s) NA were received with TRC > 0.5 mg/L (If #19 is no) and were adjusted accordingly in sample receiving with sodium thiosulfate (Na ₂ S ₂ O ₃) with Shealy ID: NA		
SR barcode labels applied by: JSM Date: 07/10/2021		
Comments:		

July 14, 2021

Lucas Odom
Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, SC 29172

RE: Project: WG10014 BLE
Pace Project No.: 92549046

Dear Lucas Odom:

Enclosed are the analytical results for sample(s) received by the laboratory on July 13, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Sara Poulson
sara.poulson@pacelabs.com
(704)875-9092
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: WG10014 BLE
Pace Project No.: 92549046

Pace Analytical Services Charlotte

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: WG10014 BLE

Pace Project No.: 92549046

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92549046001	03439-WSW1	EPA 524.2	LMB	10	PASI-C
92549046002	03439-WSW1 DUP	EPA 524.2	LMB	10	PASI-C
92549046003	03439-WSW FB	EPA 524.2	LMB	10	PASI-C
92549046004	03439-TB01	EPA 524.2	LMB	10	PASI-C

PASI-C = Pace Analytical Services - Charlotte

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WG10014 BLE

Pace Project No.: 92549046

Sample: 03439-WSW1		Lab ID: 92549046001		Collected: 07/08/21 00:00		Received: 07/13/21 10:15		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
524.2 MSV SC List		Analytical Method: EPA 524.2 Pace Analytical Services - Charlotte							
Benzene	ND	mg/L	0.00050	1		07/13/21 17:28	71-43-2		
1,2-Dichloroethane	ND	mg/L	0.00050	1		07/13/21 17:28	107-06-2		
Ethylbenzene	ND	mg/L	0.00050	1		07/13/21 17:28	100-41-4		
Methyl-tert-butyl ether	ND	mg/L	0.00050	1		07/13/21 17:28	1634-04-4		
Naphthalene	ND	mg/L	0.00050	1		07/13/21 17:28	91-20-3		
Toluene	ND	mg/L	0.00050	1		07/13/21 17:28	108-88-3		
m&p-Xylene	ND	mg/L	0.0010	1		07/13/21 17:28	179601-23-1		
o-Xylene	ND	mg/L	0.00050	1		07/13/21 17:28	95-47-6		
Surrogates									
1,2-Dichlorobenzene-d4 (S)	104	%	70-130	1		07/13/21 17:28	2199-69-1		
4-Bromofluorobenzene (S)	92	%	70-130	1		07/13/21 17:28	460-00-4		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WG10014 BLE
Pace Project No.: 92549046

Sample: 03439-WSW1 DUP		Lab ID: 92549046002	Collected: 07/08/21 00:00	Received: 07/13/21 10:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List		Analytical Method: EPA 524.2 Pace Analytical Services - Charlotte						
Benzene	ND	mg/L	0.00050	1		07/13/21 17:54	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	1		07/13/21 17:54	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	1		07/13/21 17:54	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	1		07/13/21 17:54	1634-04-4	
Naphthalene	ND	mg/L	0.00050	1		07/13/21 17:54	91-20-3	
Toluene	ND	mg/L	0.00050	1		07/13/21 17:54	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	1		07/13/21 17:54	179601-23-1	
o-Xylene	ND	mg/L	0.00050	1		07/13/21 17:54	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	104	%	70-130	1		07/13/21 17:54	2199-69-1	
4-Bromofluorobenzene (S)	93	%	70-130	1		07/13/21 17:54	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: WG10014 BLE
Pace Project No.: 92549046

Sample: 03439-WSW FB		Lab ID: 92549046003	Collected: 07/08/21 00:00	Received: 07/13/21 10:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List		Analytical Method: EPA 524.2 Pace Analytical Services - Charlotte						
Benzene	ND	mg/L	0.00050	1		07/13/21 16:35	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	1		07/13/21 16:35	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	1		07/13/21 16:35	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	1		07/13/21 16:35	1634-04-4	
Naphthalene	ND	mg/L	0.00050	1		07/13/21 16:35	91-20-3	
Toluene	ND	mg/L	0.00050	1		07/13/21 16:35	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	1		07/13/21 16:35	179601-23-1	
o-Xylene	ND	mg/L	0.00050	1		07/13/21 16:35	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	93	%	70-130	1		07/13/21 16:35	2199-69-1	
4-Bromofluorobenzene (S)	88	%	70-130	1		07/13/21 16:35	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WG10014 BLE

Pace Project No.: 92549046

Sample: 03439-TB01	Lab ID: 92549046004	Collected: 07/08/21 00:00	Received: 07/13/21 10:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List		Analytical Method: EPA 524.2 Pace Analytical Services - Charlotte						
Benzene	ND	mg/L	0.00050	1		07/13/21 17:02	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	1		07/13/21 17:02	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	1		07/13/21 17:02	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	1		07/13/21 17:02	1634-04-4	
Naphthalene	ND	mg/L	0.00050	1		07/13/21 17:02	91-20-3	
Toluene	ND	mg/L	0.00050	1		07/13/21 17:02	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	1		07/13/21 17:02	179601-23-1	
o-Xylene	ND	mg/L	0.00050	1		07/13/21 17:02	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	97	%	70-130	1		07/13/21 17:02	2199-69-1	
4-Bromofluorobenzene (S)	90	%	70-130	1		07/13/21 17:02	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: WG10014 BLE
Pace Project No.: 92549046

QC Batch: 633043 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92549046001, 92549046002, 92549046003, 92549046004

METHOD BLANK: 3325164 Matrix: Water
Associated Lab Samples: 92549046001, 92549046002, 92549046003, 92549046004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	mg/L	ND	0.00050	07/13/21 14:51	
Benzene	mg/L	ND	0.00050	07/13/21 14:51	
Ethylbenzene	mg/L	ND	0.00050	07/13/21 14:51	
m&p-Xylene	mg/L	ND	0.0010	07/13/21 14:51	
Methyl-tert-butyl ether	mg/L	ND	0.00050	07/13/21 14:51	
Naphthalene	mg/L	ND	0.00050	07/13/21 14:51	
o-Xylene	mg/L	ND	0.00050	07/13/21 14:51	
Toluene	mg/L	ND	0.00050	07/13/21 14:51	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130	07/13/21 14:51	
4-Bromofluorobenzene (S)	%	93	70-130	07/13/21 14:51	

LABORATORY CONTROL SAMPLE: 3325165

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	mg/L	0.02	0.021	104	70-130	
Benzene	mg/L	0.02	0.018	92	70-130	
Ethylbenzene	mg/L	0.02	0.020	101	70-130	
m&p-Xylene	mg/L	0.04	0.041	102	70-130	
Methyl-tert-butyl ether	mg/L	0.02	0.021	105	70-130	
Naphthalene	mg/L	0.02	0.021	103	70-130	
o-Xylene	mg/L	0.02	0.020	100	70-130	
Toluene	mg/L	0.02	0.019	94	70-130	
1,2-Dichlorobenzene-d4 (S)	%			106	70-130	
4-Bromofluorobenzene (S)	%			104	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

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QUALIFIERS

Project: WG10014 BLE
Pace Project No.: 92549046

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WG10014 BLE
Pace Project No.: 92549046

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92549046001	03439-WSW1	EPA 524.2	633043		
92549046002	03439-WSW1 DUP	EPA 524.2	633043		
92549046003	03439-WSW FB	EPA 524.2	633043		
92549046004	03439-TB01	EPA 524.2	633043		

REPORT OF LABORATORY ANALYSIS

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Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: Pace Columbia

WO#: 92549046



Courier: Fed Ex UPS USPS Other: _____
 Commercial Pace Client

Custody Seal Present? Yes No
Seals Intact? Yes No

Date/Initials/Person-Examining-Contents: VS 7/13/21

Packing Material: Bubble Wrap Bubble Bags None Other
Thermometer: IR Gun ID: 92T064 Type of Ice: Wet Blue None

Biological Tissue Frozen? Yes No N/A

Cooler Temp: 25 Correction Factor: Add/Subtract (°C) -0.1

Temp should be above freezing to 6°C
 Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 2.4
USDA Regulated Soil (N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Comments/Discrepancy:
Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Short Hold Time Analysis (<72 hr.)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Rush Turn Around Time Requested? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Dissolved analysis: Samples Field Filtered? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Sample Labels Match COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
-Includes Date/Time/ID/Analysis Matrix: <u>WT</u>
Headspace in VOA Vials (>5-6mm)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Trip Blank Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Trip Blank Custody Seals Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A

Field Data Required? Yes No

COMMENTS/SAMPLE DISCREPANCY

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____
Project Manager SCURF Review: _____ Date: _____
Project Manager SRF Review: _____ Date: _____



Project

WO#: 92549046

Due Date: 07/16/21

PM: SC

CLIENT: 92-PaceSheal

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHG

**Bottom half of box is to list number of bottles

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit(N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9-3-9-7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1																													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.



Chain of Custody

Workorder: **Workorder Name: HWY 11 Grocery** **Owner Received Date: 9-Jul** **Results Requested By: 16-Jul**

Report To:

Lucas Odom
 Pace Analytical - Columbia
 106 Vantage Point Drive
 West Columbia, SC 29172

Subcontract To:

Pace Analytical- Huntersville
 9800 Kinney Ave #100
 Huntersville, NC, 28078

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers		Date/Time	Comments
						HCL			
1	03439-WSW1	G	7/8/2021	WG10014-001	water	3			
2	03439-WSW1 Dup	G	7/8/2021	WG10014-002	water	3			
3	03439-WSW FB	G	7/8/2021	WG10014-003	water	3			
4	03439-TB01	G	7/8/2021	WG10014-004	water	2			
5									
6									
7									
8									
9									

92549046
LAB USE ONLY

Transfers	Released By	Date/Time	Received By	Date/Time
1	<i>[Signature]</i>	7/12/21 1500	VS PAC-HV	7/13/21 105
2				
3				

Cooler Temperature on Receipt 2.4 °C Custody Seal Y or N Received on Ice Y or N Sample Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC. This chain of custody is considered complete as is since this information is available in the owner laboratory.

Friday, June 17, 2016 11:01:34 AM

FMT-ALL-C-002rev.00 24March2009



Ship to :
 Pace Huntersville
 9800 Kincey Ave #100
 Huntersville NC, 28078

Phone _____

INTER_LABORATORY WORK ORDER # WG10014

(To be complete by sending lab)

Sending Project No:	WG10014		
Receiving Project No:			
Check Box for Consolidated Invoice:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date Prepared:	12-Jul		
REQUESTED COMPLETION DATE:	16-Jul		

Sending Region	IR-77	Sending Project Mgr.	Lucas Odom/Blair Gagne
Receiving Region	IR-77	External Client	BLE
State of Sample Origin	SC	QC Deliverable	STD Report

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? _____ Cert Needed: SC

WORK REQUESTED						
Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Unit Price	Amount
VOC 524.2		11	HCL	4		
TOTAL						

Special Requirements: _____

Receiving Region Department	Acctg. Code	Totals from above	Revenue Allocation	
			Receiving Region (80%)	Client Services Dept. Sending Region (20%)
VOC 524.2				
		TOTAL		

* Custom Revenue Allocation

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Chain of Custody Included: Yes No Return Samples to Sending Region: Yes No

Matrix: Soil Water Air Other (identity) _____ FISH TISSUE

CONFIRMATION OF WORK COMPLETED

Date Completed: _____ Receiving Project Manager: _____

Original sent to the receiving lab - Copy kept at the sending lab.

When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

APPENDIX D
CONTRACTOR CHECKLIST

Contractor Checklist

For each report submitted to the UST Management Division, the contractor will be required to verify that all data elements for the required scope of work have been provided. For items not required for the scope of work, the N/A box should be checked. For items required and not completed or provided, the No box should be checked and a thorough description of the reason must be provided.

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

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



MAR 15 2022



STEVE SMITH
180 SHALLOW FORD RD
SALEM SC 29676

Re: **Site-Specific Work Plan Request for Groundwater Sampling**
Hwy 11 Grocery, 13527 N Hwy 11, Salem, SC
UST Permit #03439
Release reported November 28, 2000
Monitoring Report received August 26, 2021
Oconee County

Dear Mr. Smith:

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed the referenced report submitted by your contractor. The report documents petroleum chemicals in the soil and groundwater above Risk-Based Screening Levels.

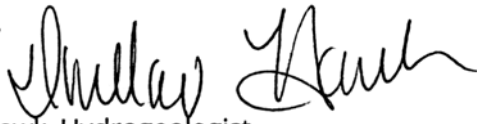
To determine what risk the referenced release may pose to human health and the environment, and in accordance with Section 280.65 of the South Carolina Underground Storage Tank Control Regulations R.61-92, implementation of groundwater sampling is necessary. The groundwater sampling must be conducted in compliance with the most current revision of the UST Quality Assurance Program Plan (QAPP), your contractor's Annual Contractor Quality Assurance Plan, and all applicable regulations. The QAPP is available at scdhec.gov/Environment/Land-Waste/Underground-Storage-Tanks/Release-Assessment-Clean/Quality-Assurance.

Groundwater samples should be collected from all monitoring wells associated with this release along with all water supply wells and surface waters within a 1,000 foot radius of the site. Samples should be analyzed for BTEX, Naphthalene, MTBE, 1,2-DCA, the 8 oxygenates, and EDB. All wells should be purged prior to sampling.

Your contractor must complete the SSWP and submit it within 30 days from the date of this letter. Every component may not be necessary to complete the above scope of work. The State Underground Petroleum Environmental Response Bank (SUPERB) Account allowable cost for each component is included on the Assessment Component Cost Agreement Form. **Please note that approval from DHEC must be issued before work begins.**

On all correspondence concerning this site, please reference UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-2946, by fax at (803) 898-0673, or by email at hawkij@dhec.sc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Ireland Hawk". The signature is written in a cursive, flowing style.

Ireland Hawk, Hydrogeologist
Corrective Action & Field Support Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

cc: Bunnell-Lammons Engineering Inc., 6004 Ponders Ct., Greenville, SC 29615
Technical file



March 18, 2022

South Carolina Department of Health and Environmental Control
Underground Storage Tank Management Division
2600 Bull Street
Columbia, South Carolina 29201-1708

Attention: Mr. Conner Westbrook, Hydrogeologist

Subject: **Site Specific Work Plan – Groundwater Sampling Event**
Highway 11 Grocery
13527 North Highway 11
Salem, Oconee County, South Carolina
UST Permit #03439
BLE Project No. J22-10768-08

Dear Mr. Westbrook:

On behalf of Mr. Steve Smith, Bunnell-Lammons Engineering, Inc. (BLE) submits herein the completed Site Specific Work Plan (SSWP) for the subject site. This submittal is in response to the South Carolina Department of Health and Environmental Control's (SCDHEC) SSWP request dated March 15, 2022 for the implementation of a comprehensive groundwater sampling event at the subject site.

Please do not hesitate to contact us if you have any questions concerning this submittal.

Sincerely,

BUNNELL-LAMMONS ENGINEERING, INC.

A handwritten signature in blue ink, appearing to read 'Trevor J. Benton', is written over a faint, larger version of the signature.

Trevor J. Benton, P.G.
Manager – Environmental Services
Registered, South Carolina No. 2395

cc: Mr. Steve Smith, 180 Shallow Ford Road, Salem, South Carolina 29676



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

To: Mr. Conner Westbrook (SCDHEC Project Manager)
From: Mr. Trevor J. Benton, P.G. (Contractor Project Manager)
Contractor: Bunnell-Lammons Engineering, Inc. UST Contractor Certification Number: UCC-0010

Facility Name: Highway 11 Grocery UST Permit #: 03439
Facility Address: 13527 North Highway 11, Salem, South Carolina
Responsible Party: Mr. Steve Smith Phone:
RP Address: 180 Shallow Ford Road, Salem, South Carolina 29676
Property Owner (if different): Jocassee Recreation Center, LLC
Property Owner Address: P.O. Box 878, Pickens, South Carolina
Current Use of Property: Closed gas station

Scope of Work (Please check all that apply)

- IGWA, Tier I, Tier II, Monitoring Well Installation, Groundwater Sampling, Other, GAC

Analyses (Please check all that apply)

Groundwater/Surface Water:

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

Drinking Water Supply Wells:

- BTEXNMDCA (524.2), Oxygenates & Ethanol (8260B), Mercury (200.8 245.1 or 245.2), RCRA Metals (200.8), EDB (504.1)

Soil:

- BTEXNM, PAH, Lead, RCRA Metals, Oil & Grease (9071), TPH-DRO (3550B/8015B), TPH-GRO (5030B/8015B), Grain Size, TOC

Air:

- BTEXN

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

Soil 1 Water Supply Wells Air 3 Field Blank
35 Monitoring Wells 5 Surface Water 3 Duplicate 2 Trip Blank

Field Screening Methodology

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

Permanent Monitoring Wells

Estimate number and total completed depth for each well, and include their proposed locations on the attached map.
of shallow wells: Estimated Footage: feet per point
of deep wells: Estimated Footage: feet per point
of recovery wells: Estimated Footage: feet per point
Comments, if warranted:

UST Permit #: 03439 Facility Name: Highway 11 Grocery

Implementation Schedule (Number of calendar days from approval)

Field Work Start-Up: 14 Field Work Completion: 45
Report Submittal: 75 # of Copies Provided to Property Owners: 1

Aquifer Characterization

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

Investigation Derived Waste Disposal

Soil: _____ Tons Purge Water: 300 Gallons
Drilling Fluids: _____ Gallons Free-Phase Product: _____ Gallons

Additional Details For This Scope of Work

For example, list wells to be sampled, wells to be abandoned/repared, well pads/bolts/caps to replace, details of AFVR event, etc.

Sample existing monitoring wells MW-01 through MW-15, DMW-01, DMW-02, DMW-04, RW-01 through RW-17, water supply well WSW-01, surface water water locations CK-01 through CK-04, and Seep-01. As required by the SCDHEC, all monitoring wells will be purged prior to sampling. Purging will be conducted in accordance with BLE's Annual Contractor Quality Assurance Plan (ACQAP).

Compliance With Annual Contractor Quality Assurance Plan (ACQAP)

YES Laboratory as indicated in ACQAP? (Yes/No) If no, indicate laboratory information below.

Name of Laboratory: _____
SCDHEC Certification Number: _____
Name of Laboratory Director: _____

NA Well Driller as indicated in ACQAP? (Yes/No) If no, indicate driller information below.

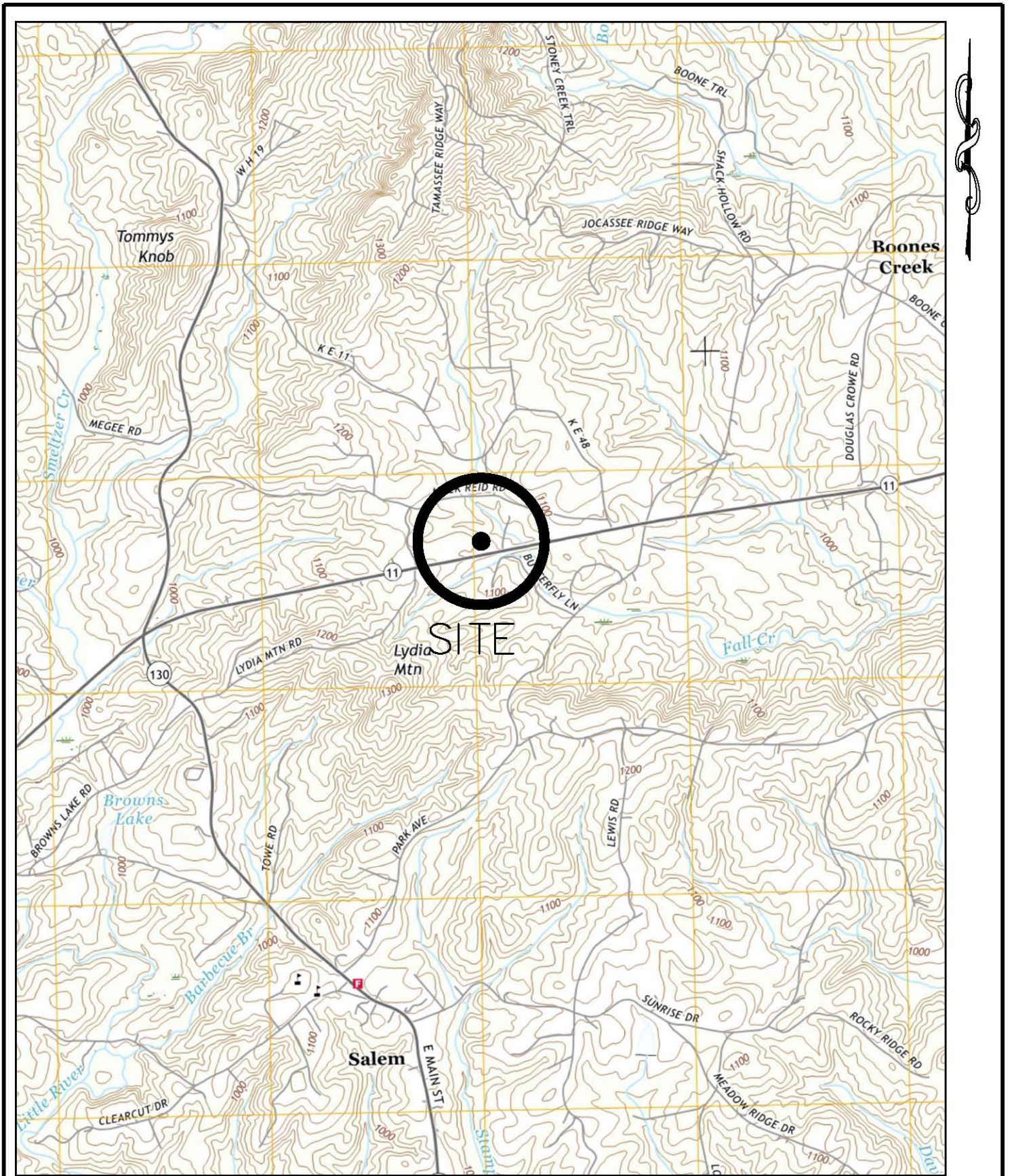
Name of Well Driller: _____
SCLLR Certification Number: _____

NO Other variations from ACQAP. Please describe below.

Attachments

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

FIGURES



REFERENCE:
 USGS TOPOGRAPHIC MAP, 7.5 MINUTE SERIES,
 SALEM, S.C. QUADRANGLE, PHOTOREVISED 1980.

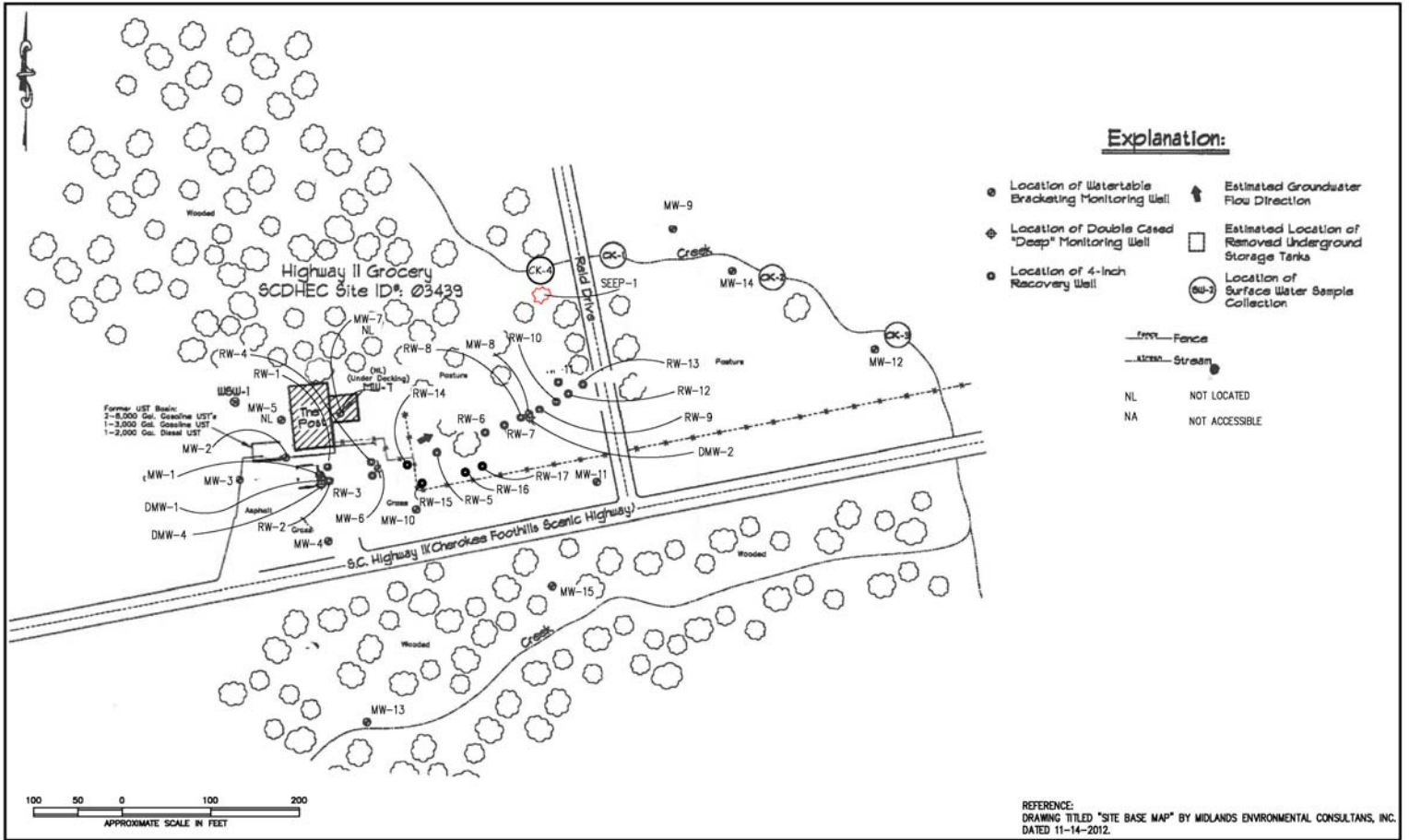
DRAWN: ACE	DATE: 03-18-22
CHECKED: TJB	CAD: FHWHY11GROCERY-08SLM
APPROVED: TJB	JOB NO: J22-10769-08

BLE | **BUNNELL LAMMONS ENGINEERING**
 6004 Ponders Court, Greenville, SC 29615
 Phone: (864) 288-1265 Fax: (864) 288-4430

SITE LOCATION MAP
 FORMER HIGHWAY 11 GROCERY
 UST PERMIT #03439
 13527 HIGHWAY 11 NORTH
 SALEM, SOUTH CAROLINA

FIGURE

1



DRAWN BY:	ACE	DATE:	03-18-22
CHECKED BY:	TJB	FILE:	FHWY11GROCERY-08SP
APPROVED BY:	TJB	JOB NO:	J22-10769-08

REVISIONS		
No.	DESCRIPTION	BY

BLE | BUNNELL
LAMMONS
ENGINEERS

6004 Ponders Court, Greenville, SC 29615
Phone: (864) 289-1265 Fax: (864) 289-4430

SITE PLAN
FORMER HIGHWAY 11 GROCERY
UST PERMIT #03439
13527 HIGHWAY 11 NORTH
SALEM, SOUTH CAROLINA

FIGURE
2

ASSESSMENT COMPONENT INVOICE



ASSESSMENT COMPONENT COST AGREEMENT

SOUTH CAROLINA

Department of Health and Environmental Control
 Underground Storage Tank Management Division
 State Underground Petroleum Environmental Response Bank Account
 January 1, 2020

Facility Name: Highway 11 Grocery

UST Permit #: 03439

Cost Agreement #: _____

ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
A. Plan Preparation				
1. Site-specific Work Plan	1	each	\$160.05	\$160.05
2. Tax Map		each	\$74.69	\$0.00
3. Tier II or Comp. Plan /QAPP Appendix B		each	\$250.00	\$0.00
B. Receptor Survey *				
		each	\$587.92	\$0.00
C. Survey (500 ft x 500 ft)				
1. Comprehensive Survey		each	\$1,109.68	\$0.00
Subsurface Geophysical Survey				
2. < 10 meters below grade		each	\$1,387.10	\$0.00
3. > 10 meters below grade		each	\$2,464.77	\$0.00
4. Geophysical UST or Drum Survey		each	\$970.97	\$0.00
D. Mob/Demob				
1. Equipment		each	\$1,088.34	\$0.00
2. Personnel 41 wells/sw locations	4	each	\$451.34	\$1,805.36
3. Adverse Terrain Vehicle		each	\$533.50	\$0.00
E. Soil Borings (hand auger)*				
		foot	\$5.34	\$0.00
F. Soil Borings (requiring equipment, push technology, etc) or Field Screening (including water ssample, soil sample, soil gas sample, etc.)*				
1. Standard		per foot	\$16.01	\$0.00
2. Fractured Rock		per foot	\$21.55	\$0.00
G. Soil Leachability Model				
		each	\$64.02	\$0.00
H. Abandonment (per foot)*				
1. 2" diameter or less		per foot	\$3.31	\$0.00
2. Greater than 2" to 6" diameter		per foot	\$4.80	\$0.00
3. Dug/Bored well (up to 6 feet diameter)		per foot	\$16.00	\$0.00
I. Well Installation (per foot)*				
1. Water Table (hand augered)		per foot	\$11.31	\$0.00
2. Water Table (drill rig) 2" Diameter		per foot	\$40.55	\$0.00
3. Telescoping		per foot	\$53.35	\$0.00
4. Rock Drilling		per foot	\$61.89	\$0.00
5. 2" Rock Coring		per foot	\$32.97	\$0.00
6. Rock Multi-sampling ports/screens		per foot	\$35.64	\$0.00
7. Recovery Well (4" diameter)		per foot	\$48.02	\$0.00
8. Pushed Pre-packed screen (1.25" dia)		per foot	\$16.01	\$0.00
9. Rotasonic (2" diameter)		per foot	\$46.95	\$0.00
10. Re-develop Existing Well		per foot	\$11.74	\$0.00

J. Groundwater Sample Collection / Gauge Depth to Water or Product *				
1. Groundwater Purge	35	per well	\$64.02	\$2,240.70
2. Air or Vapors		sample	\$12.80	\$0.00
3. Water Supply Sample or Duplicate	2	sample	\$23.47	\$46.94
4. Groundwater No Purge or Duplicate or Grab	8	sample	\$29.88	\$239.04
5. Gauge Well only		sample	\$7.47	\$0.00
6. Sample Below Product		sample	\$12.80	\$0.00
7. Passive Diffusion Bag		sample	\$27.74	\$0.00
8. Field Blank	4	sample	\$26.25	\$105.00
9. Groundwater (low flow purge)		sample	\$97.10	\$0.00
10. Equipment Blank		sample	\$26.25	\$0.00
K. Laboratory Analyses-Groundwater				
1. BTEXNM+Oxyg's+1,2 DCA+Eth(8260B)	47	per sample	\$130.17	\$6,117.99
2. Lead, Filtered		per sample	\$14.72	\$0.00
3. Rush EPA Method 8260B		per sample	\$163.89	\$0.00
4. Trimethal, Butyl, and Isopropyl Benzenes		per sample	\$29.88	\$0.00
5. PAH's		per sample	\$64.66	\$0.00
6. Lead		per sample	\$17.07	\$0.00
7. EDB by EPA 8011	46	per sample	\$48.23	\$2,218.58
8. EDB by EPA Method 8011 Rush		per sample	\$72.77	\$0.00
9. 8 RCRA Metals		per sample	\$67.65	\$0.00
10. TPH (9070)		per sample	\$43.75	\$0.00
11. PH		per sample	\$5.55	\$0.00
12. BOD		per sample	\$21.34	\$0.00
13. Ethanol		per sample	\$15.79	\$0.00
K. Analyses-Drinking Water				
14. BTEXNM+1,2 DCA (524.2)	4	per sample	\$132.36	\$529.44
15. 7-OXYGENATES & ETHANOL (8260B)	4	per sample	\$97.90	\$391.60
16. EDB (504.1)	3	per sample	\$84.83	\$254.49
17. RCRA METALS (200.8)		per sample	\$106.70	\$0.00
K. Analyses-Soil				
18. BTEX + Naphth.		per sample	\$68.29	\$0.00
19. PAH's		per sample	\$68.33	\$0.00
20. 8 RCRA Metals		per sample	\$60.18	\$0.00
21. TPH-DRO (3550C/8015C)		per sample	\$42.68	\$0.00
22. TPH- GRO (5035B/8015C)		per sample	\$38.37	\$0.00
23. Grain size/hydrometer		per sample	\$110.97	\$0.00
24. Total Organic Carbon		per sample	\$32.65	\$0.00
K. Analyses-Air				
25. BTEX + Naphthalene		per sample	\$230.47	\$0.00
K. Analyses-Free Phase Product				
26. Hydrocarbon Fuel Identification		per sample	\$380.92	\$0.00

L. Aquifer Characterization*					
1. Pumping Test		per hour	\$24.54		\$0.00
2. Slug Test		per test	\$203.80		\$0.00
3. Fractured Rock		per test	\$106.70		\$0.00
M. Free Product Recovery Rate Test*					
		each	\$40.55		\$0.00
N. Fate/Transport Modeling					
1. Mathematical Model		each	\$106.70		\$0.00
2. Computer Model		each	\$106.70		\$0.00
O. Risk Evaluation					
1. Tier I Risk Evaluation		each	\$320.10		\$0.00
2. Tier II Risk Evaluation		each	\$106.70		\$0.00
P. Subsequent Survey*					
		each	\$260.00		\$0.00
Q. Disposal (gallons or tons)*					
1. Wastewater	300	gallon	\$0.60		\$180.00
2. Free Product		gallon	\$0.53		\$0.00
3. Soil Treatment/Disposal		ton	\$64.02		\$0.00
4. Drilling fluids		gallon	\$0.45		\$0.00
R. Miscellaneous (attach receipts)					
		each	\$0.00		\$0.00
		each	\$0.00		\$0.00
		each	\$0.00		\$0.00
T. Tier I Assessment (Use DHEC 3665 form)					
1. Southeast Region		standard	\$11,026.00		\$0.00
2. All Other Counties		standard	\$12,093.00		\$0.00
U. IGWA (Use DHEC 3666 form)					
1. Southeast Region		standard	\$3,803.00		\$0.00
2. All Other Counties		standard	\$4,123.00		\$0.00
22. Corrective Action (Use DHEC 3667 form)					
		PFP Bid			\$0.00
W. Aggressive Fluid & Vapor Recovery (AFVR)					
1. 8-hour Event*		per event	\$1,467.13		\$0.00
2. 24-hour Event*		per event	\$4,081.28		\$0.00
3. 48-hour Event*		per event	\$6,706.10		\$0.00
4. 96-hour Event*		per event	\$13,409.52		\$0.00
5. Off-gas Treatment 8 hour		per event	\$130.71		\$0.00
6. Off-gas Treatment 24 hour		per event	\$257.68		\$0.00
7. Off-gas Treatment 48 hour		per event	\$348.91		\$0.00
8. Off-gas Treatment 96 hour		per event	\$832.26		\$0.00
9. Off-gas Treatment 8 hour (w/chlorinated compounds)		per event	\$430.00		\$0.00
10. Off-gas Treatment 24 hour (w/chlorinated compounds)		per event	\$500.00		\$0.00
11. Off-gas Treatment 48 hour (w/chlorinated compounds)		per event	\$1,000.00		\$0.00
12. Off-gas Treatment 96 hour (w/chlorinated compounds)		per event	\$2,000.00		\$0.00
13. AFVR Effluent Disposal(w/chlorinated compounds)		gallon	\$0.50		\$0.00
14. AFVR Site Reconnaissance		each	\$216.87		\$0.00
15. Additional Hook-ups		each	\$27.48		\$0.00
16. AFVR Effluent Disposal		gallon	\$0.47		\$0.00
17. AFVR Mobilization/Demobilization		each	\$417.73		\$0.00

X. Granulated Activated Carbon (GAC) filter system installation & service:				
1. New GAC System Installation*		each	\$2,027.30	\$0.00
2. Refurbished GAC Sys. Install*		each	\$960.30	\$0.00
3. Filter replacement/removal*		each	\$373.45	\$0.00
4. GAC System removal, cleaning, & refurbishment*		each	\$293.43	\$0.00
5. GAC System housing*		each	\$266.75	\$0.00
6. In-line particulate filter		each	\$160.05	\$0.00
7. Additional piping & fittings		foot	\$1.60	\$0.00
Y. Well Repair				
1. Additional Copies of the Report Delivered	1	each	\$53.35	\$53.35
2. Repair 2x2 MW pad*		each	\$53.35	\$0.00
3. Repair 4x4 MW pad*		each	\$93.90	\$0.00
4. Replace well vault*		each	\$125.91	\$0.00
5. Replace well cover bolts		each	\$2.77	\$0.00
6. Replace locking well cap & lock		each	\$16.00	\$0.00
7. Replace/Repair stick-up*		each	\$142.98	\$0.00
8. Convert Flush-mount to Stick-up*		each	\$160.05	\$0.00
9. Convert Stick-up to Flush-mount*		each	\$138.71	\$0.00
10. Replace missing/illegible well ID plate		each	\$12.80	\$0.00
S. Report Prep & Project Management	12%	percent	\$14,342.54	\$1,721.10
TOTAL				\$16,063.64

DHEC D-4074 (1-2020) *The appropriate mobilization cost can be added to complete these tasks, as necessary



Healthy People. Healthy Communities.

STEVE SMITH
180 SHALLOW FORD RD
SALEM SC 29676

APR 15 2022



Re: **Site Specific Work Plan Approval and Groundwater Sampling Notice to Proceed**
HWY 11 Grocery, 13527 North Hwy. 11, Salem, SC
UST Permit #03439; CA #65334
Release #1 reported November 28, 2000
Site Specific Work Plan received March 24, 2022
Oconee County

Dear Mr. Smith:

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed and approved the referenced Site Specific Work Plan (SSWP) submitted by your contractor. The groundwater sampling event should begin immediately upon receipt of this letter. All work should be conducted in compliance with the current revision of the UST Quality Assurance Program Plan (QAPP), your contractor's Annual Contractor Quality Assurance Plan, and all applicable regulations. The current revision of the QAPP is available at scdhec.gov/environment/land-waste/underground-storage-tanks/release-assessment-clean/quality-assurance.

Please note the following changes to the cost agreement and SSWP:

- J.4 decreased from 8 to 7 on account of all purges and duplicates
- J.8 decreased from 4 to 3 to account for 3 sampling days
- K.1 decreased from 47 to 45 to include all 8260B lab analysis
- K.7 decreased from 46 to 44 to include all 8011 analysis

The contractor must provide notification to the UST Project Manager via email 4 days prior to initiation of any site rehabilitation activities. If there are any changes to the schedule, the UST Project Manager must be contacted within 24 hours of those changes.

Your contractor can submit an invoice for direct payment from the State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. **The Monitoring Report, contractor checklist (QAPP Appendix K), and invoice should be submitted to the UST Division within sixty (60) days of the date of this correspondence.** If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

Pursuant to S.C. Code Ann. Section 44-2-40(D), "The SUPERB Account and the SUPERB Financial Responsibility Fund shall provide combined coverage for site rehabilitation and third party claims, respectively, not to exceed one million dollars per occurrence". According to UST Division records, approximately \$504,594.86 has been expended from the SUPERB Account to date. This scope of work, as recommended by your contractor, is anticipated to cost approximately \$15,601.16.


Please note that sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that the SUPERB Account cannot compensate any costs that are not pre-approved. If for any reason additional tasks will be completed, these additional tasks, and the associated cost, must be pre-approved by the UST Division for the cost to be paid. The UST Division reserves the authority to pay only for work properly performed and/or technically justified and will only pay rates in accordance with established criteria. Further, the UST Division reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

Please note that applicable South Carolina certification requirements regarding laboratory services, well installation, and report preparation must be satisfied. Any site rehabilitation activity associated with the UST release must be performed by a DHEC-certified site rehabilitation contractor as required by the SUPERB Site Rehabilitation and Fund Access Regulation, R.61-98.

The UST Division grants pre-approval for transportation of virgin petroleum impacted soil and groundwater from the referenced site to a permitted treatment facility. There can be no spillage or leakage in transport. All investigation-derived waste (IDW) must be properly contained and labeled prior to disposal. IDW should not be stored on-site longer than ninety (90) days. A copy of the disposal manifest and/or acceptance letter from the receiving facility that clearly designates the quantity received must be included as an appendix to the report. If the Chemical of Concern (CoC) concentrations based on laboratory analysis is below Risk-Based Screening Levels (RBSLs), please contact the project manager for approval to dispose of soil and/or groundwater on-site. The SUPERB Account will not reimburse for transportation or treatment of soil and/or groundwater with concentrations below RBSLs.

On all correspondence regarding this site, please reference the UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-2946, by fax at (803) 898-0673, or by email at hawkij@dhec.sc.gov.

Sincerely,



Ireland Hawk, Hydrogeologist
Corrective Action & Field Support Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

enc: Approved Cost Agreement

cc: Bunnell-Lammons Engineering, Inc., 6004 Ponders Ct., Greenville, SC 29615 (w/ enc)
Technical file (w/ enc)

Approved Cost Agreement

65334

Facility: 03439 HWY 11 GROCERY

HAWKIJ

PO Number: 92416

<u>Task / Description</u>	<u>Categories</u>	<u>Item Description</u>	<u>Qty / Pct</u>	<u>Unit Price</u>	<u>Amount</u>
A PLAN PREPARATION					
		1 SITE SPECIFIC WORK PLAN	1.0000	\$160.050	160.05
D MOB/DEMOB					
		2 PERSONNEL	4.0000	\$451.340	1,805.36
J SAMPLE COLLECTION					
		1 GROUND WATER PURGE	35.0000	\$64.020	2,240.70
		3 WATER SUPPLY SAMPLE/ DUPLICATE	2.0000	\$23.470	46.94
		4 GROUNDWATER NO-PURGE/DUPL/GRAB	7.0000	\$29.880	209.16
		8 FIELD BLANK	3.0000	\$26.250	78.75
K ANALYSES					
DW DRINKING WATER		14 BTEXNM+1,2 DCA (524.2) WSW	4.0000	\$132.360	529.44
		15 OXY GENATES & ETHANOL 8260B WSW	4.0000	\$97.900	391.60
		16 EDB (504.1) WSW	3.0000	\$84.830	254.49
GW GROUNDWATER		1 BTEXNM+OXYGS+1,2-DCA+ETH-8260B	45.0000	\$130.170	5,857.65
		7 EDB BY EPA 8011	44.0000	\$48.230	2,122.12
Q DISPOSAL					
		1 WASTEWATER	300.0000	\$0.600	180.00
S REPORT PROJECT MANAGEMENT					
		S REPORT PREP & PROJ. MANAGEMENT	0.1200	\$13,929.610	1,671.55
Y WELL REPAIR					
		1 ADDITIONAL COPIES OF REPORT	1.0000	\$53.350	53.35
Total Amount					15,601.16

CD's Information

Date Received: 6/29/22

Permit Number: 03439

Project Manager: Ireland Hawk

Contractor: BLE

Description: GWS rpt

Docket Number: 109T Initials: _____

Scanned by: _____

Verified by: _____

REPORT OF COMPREHENSIVE GROUNDWATER SAMPLING EVENT – MAY 2022

FORMER HIGHWAY 11 GROCERY
13527 NORTH HIGHWAY 11
SALEM, OCONEE COUNTY, SOUTH CAROLINA
UST PERMIT #03439; COST AGREEMENT #65334

Prepared For:
Mr. Steve Smith
180 Shallow Ford Road
Salem, South Carolina 29676

SCDHEC Certified Contractor No. UCC-0010
BLE Project Number J22-10768-08

June 24, 2022



6004 Ponders Court | Greenville, SC 29615
☎ 864.288.1265 🖨 864.288.4330 ✉ info@blecorp.com
BLECORP.COM



**BUNNELL
LAMMONS
ENGINEERING**

June 24, 2022

South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management
Underground Storage Tank Management Division
2600 Bull Street
Columbia, South Carolina 29201-1708

Attention: Ms. Ireland Hawk, Hydrogeologist

Subject: **Report of Comprehensive Groundwater Sampling Event – May 2022**
Former Highway 11 Grocery
13527 North Highway 11
Salem, Oconee County, South Carolina
UST Permit #03439; Cost Agreement #65334
BLE Project No. J22-10768-08

Dear Ms. Hawk:

On behalf of Mr. Steve Smith, Bunnell-Lammons Engineering, Inc. (BLE) has completed a comprehensive groundwater sampling event at the subject site. This scope of work was performed in response to a South Carolina Department of Health and Environmental Control (SCDHEC) directive dated April 15, 2022 and in accordance with BLE's Site Specific Work Plan (SSWP) submitted on March 18, 2022. This report describes the work performed and presents the results obtained, along with our comments and recommendations. Please do not hesitate to contact us if you have any questions concerning this report.

Sincerely,

BUNNELL-LAMMONS ENGINEERING, INC.

Olivia L. Marker
Staff Hydrogeologist

Trevor J. Benton, P.G.
Manager – Environmental Services
Registered, South Carolina No. 2395



cc: Mr. Steve Smith, 180 Shallow Ford Road, Salem, South Carolina 29676



1.0 BACKGROUND INFORMATION

The subject property is located at 13527 North Highway 11 in Salem, Oconee County, South Carolina (**Figure 1**). The site is currently utilized for residential and commercial office purposes; however, a convenience store/petroleum retail facility formerly operated on the property consisting of four underground storage tanks (USTs) (two 6,000-gallon gasoline USTs, one 3,000-gallon gasoline UST, and one 2,000-gallon diesel UST) and associated piping and fueling dispensers. According to the SCDHEC UST registry, the four USTs were abandoned by removal on September 15, 2009. A release at the subject site was reported and confirmed to the SCDHEC on November 28, 2000.

In response to the reported release, various environmental assessment activities have been conducted, including the installation of 18 groundwater monitoring wells and 17 groundwater recovery wells. The most recent environmental activities include the performance of a series of 96-hour aggressive fluid vapor recovery (AFVR) events to address the presence of free-product in several wells at the site.

In an effort to determine what risk the petroleum release may pose to human health and the environment, the SCDHEC requested an updated comprehensive groundwater sampling event be conducted at the facility. Details of the groundwater sampling event and our findings are provided herein.



2.0 GROUNDWATER SAMPLING

Date Sampled:	May 10-11, 2022	
Total Number of Wells Associated with Site:	35	MW-01 through MW-15, DMW-01, DMW-02, DMW-04, and RW-01 through RW-17.
Total Number of Wells Sampled:	26	MW-02 through MW-04, MW-06, MW-08 through MW-14, DMW-01, DMW-02, DMW-04, RW-01, RW-02, RW-04, RW-08 through RW-13, and RW-15 through RW-17.
Total Number of Wells NOT Sampled:	9	MW-01, RW-05, RW-06, RW-07, and RW-14 (Free-Product), MW-05 and MW-07 (Not Located), MW-15 (Dry), and RW-03 (Obstructed)
Water Supply Wells Sampled	1	WW-01
Surface Water Locations Sampled	4	CK-01 through CK-04
QA / QC Samples	10	3 Duplicate Samples (MW-06 Dup, RW-02 Dup, and WW-01 DUP), 3 Field Blanks, 2 Equipment Blanks, and 2 Trip Blanks
Total Purge Volume (gallons)	320	Disposal Manifest Included in Appendix A
Analytical Laboratory	Pace Analytical Services, LLC.	
Analytical Methods	EPA Method 8260D, EPA Method 8011, EPA Method 524.2, and EPA Method 504.1	
Free-Phase Petroleum Product	MW-01 (0.45-ft), RW-05 (0.20-ft), RW-06 (0.69-ft), RW-07 (1.83-ft), and RW-14 (0.61 ft)	
Contaminants Exceeding Risk Based Screening Level Concentrations	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl Tertiary Butyl Ether (MTBE), Naphthalene, 1,2-Dichloroethane, Tert-Amyl Methyl Ether (TAME), and Tert-Amyl Alcohol (TAA)	
Groundwater Level Measurements	See Table 1	
Groundwater Sampling Logs and Procedures	See Appendix B	
Laboratory Analytical Summary	See Table 2A and Table 2B	
Laboratory Analytical Results	See Appendix C	



Potentiometric Map	See Figure 2
Chemical of Concern (CoC) Map	See Figure 3



3.0 CONCLUSIONS AND RECOMMENDATIONS

Free-phase petroleum product and/or CoCs at or above effective solubility limits for gasoline constituents, were identified in wells MW-01, RW-05, RW-06, RW-07, RW-14, and RW-16. Additionally, fifteen (15) groundwater monitoring wells (MW-04, MW-06, MW-08, MW-14, RW-01, RW-02, RW-04, RW-08 through RW-13, RW-15, and RW-17) exhibited CoC concentrations above their respective RBSL limit. CoC concentrations were also detected in all four surface water sample locations CK-01 through CK-04, including CK-01 and CK-02 with concentrations of benzene above the RBSL.

As free-phase product and high levels of dissolved-phase CoCs remain present at the facility, and impacts to the surface water are apparent, we recommend the site undergo Active Corrective Action remediation.



4.0 QUALIFICATION OF REPORT

The activities and evaluative approaches used in this assessment are consistent with those normally employed in hydrogeological assessments of this type. Our evaluation of site conditions has been based on our understanding of the site and project information and the data obtained in our exploration.

This report has been prepared on behalf of and exclusively for the use of Mr. Steve Smith. This report and the findings contained herein shall not, in whole or in part, be used or relied upon by any other party without BLE's prior written consent. Any unauthorized use or distribution of BLE's work shall be at third parties risk and without liability to BLE.

TABLES

TABLE 1

MONITORING WELL AND GROUNDWATER ELEVATION DATA
Former Highway 11 Grocery
13527 North Highway 11
Salem, Oconee County, South Carolina
UST Permit #03439; Cost Agreement #66334
BLE Project No. J22-10768-08

Well ID	Date	Top of Casing Elevation	Free-Product Thickness	Groundwater Depth (btoc)	Groundwater Elevation	Well Depth	Screen Depth	Screen Elevation	
03439-MW01*	5/8/2002	103.38	---	24.67	78.71	30.00	15.0 - 30.0	88.38 - 73.38	
	7/1/2003		---	23.28	80.10				
	7/30/2003		---	22.89	80.49				
	9/15/2003		---	23.78	79.60				
	2/13/2019		0.02	22.84	80.54				
	3/10/2020		---	22.15	81.23				
	7/7/2021*		0.11	24.20	79.18				
	5/9/2022		0.45	24.59	79.11				
03439-MW02	5/8/2002	104.85	---	26.08	78.77	35.00	20.0 - 35.0	84.85 - 69.85	
	7/1/2003		---	24.08	80.77				
	7/30/2003		---	23.78	81.07				
	9/15/2003		---	24.73	80.12				
	2/13/2019		---	24.00	80.85				
	3/10/2020		---	23.27	81.58				
	7/7/2021		---	25.61	79.24				
	5/9/2022		---	26.54	78.31				
03439-MW03	5/8/2002	104.89	---	24.78	80.11	30.00	15.0 - 30.0	89.89 - 74.89	
	7/1/2003		---	22.51	82.38				
	7/30/2003		---	22.21	82.68				
	9/15/2003		---	23.23	81.66				
	2/13/2019		---	22.65	82.24				
	3/10/2020		---	21.83	83.06				
	7/7/2021		Well Not Located						
	5/9/2022		---	24.45	83.06				
03439-MW04	5/8/2002	99.90	---	23.38	76.52	35.00	20.0 - 35.0	79.90 - 64.90	
	7/1/2003		---	22.10	77.80				
	7/30/2003		---	22.09	77.81				
	9/15/2003		---	22.90	77.00				
	2/13/2019		---	21.00	78.90				
	3/10/2020		---	20.25	79.65				
	7/7/2021		---	22.65	77.25				
	5/9/2022		---	22.57	77.33				
03439-MW05	5/8/2002	106.06	---	28.82	77.24	35.00	20.0 - 35.0	86.06 - 71.06	
	7/1/2003		---	26.82	79.24				
	7/30/2003		---	26.53	79.53				
	9/15/2003		---	27.40	78.66				
	2/13/2019		Well Not Located						
	3/10/2020		Well Not Located						
	7/7/2021		Well Not located						
	5/9/2022		Well Not located						
03439-MW06	5/8/2002	100.00	---	21.66	78.34	35.00	20.0 - 35.0	80.00 - 65.00	
	7/1/2003		---	19.77	80.23				
	7/30/2003		---	19.88	80.12				
	9/15/2003		---	20.63	79.37				
	2/13/2019		0.01	19.76	80.24				
	3/10/2020		---	19.09	80.91				
	7/7/2021		---	21.25	78.75				
	5/9/2022		---	22.23	77.77				
03439-MW07	5/8/2002	103.66	---	28.12	75.54	40.00	25.0 - 40.0	78.66 - 63.66	
	7/1/2003		---	26.55	77.11				
	7/30/2003		---	26.22	77.44				
	9/15/2003		---	26.83	76.83				
	2/13/2019		Well Not Accessible						
	3/10/2020		Well Not Accessible						
	7/7/2021		Well Not Located						
	5/9/2022		Well Not Located						

TABLE 1

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Former Highway 11 Grocery
13527 North Highway 11
Salem, Oconee County, South Carolina
UST Permit #03439; Cost Agreement #66334
BLE Project No. J22-10768-08

Well ID	Date	Top of Casing Elevation	Free-Product Thickness	Groundwater Depth (btoc)	Groundwater Elevation	Well Depth	Screen Depth	Screen Elevation
03439-MW08	5/8/2002	86.51	0.06	21.00	65.51	30.00	15.0 - 30.0	71.51 - 56.51
	7/1/2003		0.60	20.96	65.55			
	7/30/2003		0.20	20.46	66.05			
	9/15/2003		0.15	21.17	65.34			
	2/13/2019		---	19.89	66.62			
	3/10/2020		---	19.33	67.18			
	7/7/2021		---	21.08	65.43			
	5/9/2022		---	20.78	65.73			
03439-MW09	5/8/2002	58.39	---	2.47	55.92	10.00	2.0 - 10.0	56.39 - 48.39
	7/1/2003		---	2.30	56.09			
	7/30/2003		---	2.26	56.13			
	9/15/2003		---	2.42	55.97			
	2/13/2019		---	2.04	56.35			
	3/10/2020		---	2.28	56.11			
	7/7/2021		---	2.57	55.82			
	5/9/2022		---	2.65	55.74			
03439-MW10	5/8/2002	93.78	---	20.04	73.74	28.00	13.0 - 28.0	80.78 - 65.78
	7/1/2003		---	16.20	77.58			
	7/30/2003		---	18.95	74.83			
	9/15/2003		---	16.53	77.25			
	2/13/2019		---	17.68	76.10			
	3/10/2020		---	17.06	76.72			
	7/7/2021		---	19.52	74.26			
	5/9/2022		---	19.38	74.40			
03439-MW11	5/8/2002	83.20	---	16.86	66.34	23.00	8.0 - 23.0	75.20 - 60.20
	7/1/2003		---	15.93	67.27			
	7/30/2003		---	15.92	67.28			
	9/15/2003		---	16.21	66.99			
	2/13/2019		---	14.69	68.51			
	3/10/2020		---	14.25	68.95			
	7/7/2021		---	16.32	66.88			
	5/9/2022		---	16.60	66.60			
03439-MW12	5/8/2002	58.69	---	3.12	55.57	12.00	2.0 - 12.0	56.69 - 46.69
	7/1/2003		---	3.10	55.59			
	7/30/2003		---	3.02	55.67			
	9/15/2003		---	3.19	55.50			
	2/13/2019		---	2.35	56.34			
	3/10/2020		---	2.70	55.99			
	7/7/2021		---	3.45	55.24			
	5/9/2022		---	3.42	55.27			
03439-MW13	5/8/2002	77.91	---	6.52	71.39	12.00	2.0 - 12.0	75.91 - 65.91
	7/1/2003		---	6.44	71.47			
	7/30/2003		---	6.28	71.63			
	9/15/2003		---	6.62	71.29			
	2/13/2019		---	5.84	72.07			
	3/10/2020		---	6.14	71.77			
	7/7/2021		---	6.69	71.22			
	5/9/2022		---	3.72	74.19			
03439-MW14	5/8/2002	59.19	---	2.14	57.05	10.00	2.0 - 10.0	57.19 - 49.19
	7/1/2003		---	1.92	57.27			
	7/30/2003		---	1.77	57.42			
	9/15/2003		---	2.03	57.16			
	2/13/2019		---	1.26	57.93			
	3/10/2020		---	1.48	57.71			
	7/7/2021		---	1.96	57.23			
	5/9/2022		---	2.11	57.08			

TABLE 1

MONITORING WELL AND GROUNDWATER ELEVATION DATA
Former Highway 11 Grocery
13527 North Highway 11
Salem, Oconee County, South Carolina
UST Permit #03439; Cost Agreement #66334
BLE Project No. J22-10768-08

Well ID	Date	Top of Casing Elevation	Free-Product Thickness	Groundwater Depth (btoc)	Groundwater Elevation	Well Depth	Screen Depth	Screen Elevation
03439-MW15	5/8/2002	71.52	---	10.61	60.91	12.30	4.0 - 9.0	67.52 - 62.52
	7/1/2003		---	10.83	60.69			
	7/30/2003		---	10.67	60.85			
	9/15/2003		---	11.02	60.50			
	2/13/2019		---	10.45	61.07			
	3/10/2020		---	9.85	61.67			
	7/7/2021		---	11.06	60.46			
	5/9/2022		Well Dry at Time of Sampling Event					
03439-DMW01	5/8/2002	103.27	---	24.68	78.59	45.00	40.0 - 45.0	63.27 - 58.27
	7/1/2003		---	22.97	80.30			
	7/30/2003		---	22.72	80.55			
	9/15/2003		---	23.61	79.66			
	10/2/2003		---	24.11	79.16			
	10/23/2003		---	24.50	78.77			
	12/18/2003		---	24.00	79.27			
	3/31/2004		---	24.60	78.67			
	2/14/2008		---	26.18	77.09			
	4/27/2010		---	24.12	79.15			
	12/13/2010		---	26.45	76.82			
	5/14/2013		---	23.98	79.29			
	10/2/2017		---	25.87	77.40			
	2/13/2019		---	22.80	80.47			
	3/10/2020		---	21.98	81.29			
7/7/2021	---	24.09	79.18					
5/9/2022	---	24.11	79.16					
03439-DMW02	5/8/2002	86.21	---	17.22	68.99	75.00	70.0 - 75.0	16.21 - 11.21
	7/1/2003		---	16.44	69.77			
	7/30/2003		---	16.49	69.72			
	9/15/2003		---	15.75	70.46			
	10/2/2003		---	17.11	69.10			
	10/23/2003		---	17.63	68.58			
	12/18/2003		---	16.80	69.41			
	3/31/2004		---	17.31	68.90			
	2/14/2008		---	20.86	65.35			
	4/27/2010		---	24.20	62.01			
	12/13/2010		---	17.85	68.36			
	5/14/2013		---	16.31	69.90			
	10/2/2017		---	16.81	69.40			
	2/13/2019		---	15.56	70.65			
	3/10/2020		---	15.55	70.66			
7/7/2021	---	16.53	69.68					
5/9/2022	---	19.97	66.24					
03439-DMW04	5/8/2002	103.22	---	25.08	78.14	60.00	54.7 - 59.7	48.52 - 43.52
	7/1/2003		---	23.32	79.90			
	7/30/2003		---	23.18	80.04			
	9/15/2003		---	23.88	79.34			
	10/2/2003		---	24.39	78.83			
	10/23/2003		---	24.95	78.27			
	12/18/2003		---	24.45	78.77			
	3/31/2004		---	24.95	78.27			
	2/14/2008		---	26.44	76.78			
	4/27/2010		---	24.41	78.81			
	12/13/2010		---	26.90	76.32			
	5/14/2013		---	24.30	78.92			
	10/2/2017		---	26.45	76.77			
	2/13/2019		---	23.12	80.10			
	3/10/2020		---	22.40	80.82			
7/7/2021	---	24.73	78.49					
5/9/2022	---	24.67	78.55					

TABLE 1

MONITORING WELL AND GROUNDWATER ELEVATION DATA
Former Highway 11 Grocery
13527 North Highway 11
Salem, Oconee County, South Carolina
UST Permit #03439; Cost Agreement #66334
BLE Project No. J22-10768-08

Well ID	Date	Top of Casing Elevation	Free-Product Thickness	Groundwater Depth (btoc)	Groundwater Elevation	Well Depth	Screen Depth	Screen Elevation
03439-RW01	12/13/2010	103.29	---	26.65	76.64	30.00	10.0 - 30.0	93.29 - 73.29
	5/14/2013		0.04	NA	NA			
	10/2/2017		---	25.98	77.31			
	2/13/2019		---	22.99	80.30			
	3/10/2020		---	22.26	81.03			
	7/7/2021		---	24.42	78.87			
	5/9/2022		---	24.38	78.91			
03439-RW02	12/13/2010	102.85	0.02	NA	NA	30.00	9.7 - 29.7	93.15 - 73.15
	5/14/2013		0.30	NA	NA			
	10/2/2017		0.61	25.21	77.64			
	2/13/2019		0.03	22.27	80.58			
	3/10/2020		---	21.51	81.34			
	7/7/2021		---	23.52	79.33			
	5/9/2022		---	23.60	79.25			
03439-RW03	12/13/2010	100.25	---	23.68	76.57	30.00	10.00 - 30.0	90.3 - 70.3
	5/14/2013		---	21.11	79.14			
	10/2/2017		Well Dry at Time of Sampling Event					
	2/13/2019		---	20.13	80.12			
	3/10/2020		---	19.34	80.91			
	7/7/2021		Well Obstructed					
	5/9/2022		Well Obstructed					
03439-RW04	12/13/2010	101.00	---	24.34	76.66	30.00	9.70 - 29.7	91.3 - 71.3
	5/14/2013		---	10.85	90.15			
	10/2/2017		---	23.69	77.31			
	2/13/2019		0.01	20.71	80.29			
	3/10/2020		---	19.99	81.01			
	7/7/2021		---	22.18	78.82			
	5/9/2022		---	22.14	78.86			
03439-RW05	5/14/2013	94.97	1.39	NA	NA	30.00	10.00 - 30.0	85.0 - 65.0
	10/2/2017		0.38	24.43	70.54			
	2/13/2019		0.20	22.03	72.94			
	3/10/2020		0.25	21.50	73.47			
	7/7/2021*		0.21	23.55	71.42			
	5/9/2022		0.20	23.18	71.93			
03439-RW06	5/14/2013	88.05	3.24	NA	NA	26.50	6.50 - 26.5	81.6 - 61.6
	10/2/2017		3.74	19.47	68.58			
	2/13/2019		1.09	16.57	71.48			
	3/10/2020		0.31	16.19	71.86			
	7/7/2021*		0.48	18.46	69.59			
	5/9/2022		0.69	18.22	70.31			
03439-RW07	5/14/2013	88.06	4.99	NA	NA	30.00	10.00 - 30.0	78.1 - 58.1
	10/2/2017		0.83	20.67	67.39			
	2/13/2019		1.30	18.76	69.30			
	3/10/2020		1.44	19.23	68.83			
	7/7/2021*		0.08	19.51	68.55			
	5/9/2022		1.83	20.93	68.41			
03439-RW08	5/14/2013	87.06	---	18.42	68.64	28.50	8.20 - 28.2	78.9 - 58.9
	10/2/2017		---	19.61	67.45			
	2/13/2019		---	18.56	68.50			
	3/10/2020		---	18.39	68.67			
	7/7/2021		---	17.56	69.50			
	5/9/2022		---	19.23	67.83			
03439-RW09	5/14/2013*	86.18	0.60	NA	NA	30.00	10.00 - 30.0	76.2 - 56.2
	10/2/2017*		0.04	21.39	64.79			
	2/13/2019		---	19.60	66.58			
	3/10/2020		---	19.11	67.07			
	7/7/2021		---	20.79	65.39			
	5/9/2022		---	20.46	65.72			

TABLE 1

MONITORING WELL AND GROUNDWATER ELEVATION DATA

Former Highway 11 Grocery

13527 North Highway 11

Salem, Oconee County, South Carolina

UST Permit #03439; Cost Agreement #66334

BLE Project No. J22-10768-08

Well ID	Date	Top of Casing Elevation	Free-Product Thickness	Groundwater Depth (btoc)	Groundwater Elevation	Well Depth	Screen Depth	Screen Elevation
03439-RW10	5/14/2013	84.49	---	19.93	64.56	30.00	10.00 - 30.0	74.5 - 54.5
	10/2/2017		---	21.03	63.46			
	2/13/2019		---	18.35	66.14			
	3/10/2020		---	18.18	66.31			
	7/7/2021		---	20.46	64.03			
	5/9/2022		---	20.31	64.18			
03439-RW11	5/14/2013	81.06	---	15.48	65.58	27.00	6.70 - 26.7	74.4 - 54.4
	10/2/2017*		0.04	17.21	63.85			
	2/13/2019		---	14.76	66.30			
	3/10/2020		---	14.21	66.85			
	7/7/2021		---	16.49	64.57			
	5/9/2022		---	16.08	64.98			
03439-RW12	5/14/2013	82.22	---	18.43	63.79	30.00	10.00 - 30.0	72.2 - 52.2
	10/2/2017		---	19.49	62.73			
	2/13/2019		---	17.20	65.02			
	3/10/2020		---	16.53	65.69			
	7/7/2021		---	18.91	63.31			
	5/9/2022		---	18.75	63.47			
03439-RW13	5/14/2013	80.72	---	17.41	63.31	29.00	9.00 - 29.0	71.7 - 51.7
	10/2/2017		---	18.28	62.44			
	2/13/2019		---	16.02	64.70			
	3/10/2020		---	15.33	65.39			
	7/7/2021		---	17.79	62.93			
	5/9/2022		---	17.62	63.10			
03439-RW14	10/2/2017	98.66	0.42	25.13	73.53	30.00	10.00 - 30.0	88.7 - 68.7
	2/13/2019		2.36	22.44	76.22			
	3/10/2020		2.45	23.48	75.18			
	7/7/2021*		0.68	24.53	74.13			
	5/9/2022		0.61	24.19	74.90			
03439-RW15	10/2/2017	95.62	1.09	23.79	71.83	30.00	10.00 - 30.0	85.6 - 65.6
	2/13/2019		0.09	21.15	74.47			
	3/10/2020		0.04	20.60	75.02			
	7/7/2021*		0.08	19.51	76.11			
	5/9/2022		0.03	22.28	73.36			
03439-RW16	10/2/2017*	92.26	1.11	22.26	70.00	30.00	10.00 - 30.0	82.3 - 62.3
	2/13/2019		---	19.65	72.61			
	3/10/2020*		0.04	20.60	71.66			
	7/7/2021		---	21.19	71.07			
	5/9/2022		---	20.83	71.43			
03439-RW17	10/2/2017	88.47	Not Located			30.00	10.00 - 30.0	78.5 - 58.5
	2/13/2019		---	16.09	72.38			
	3/10/2020		---	15.30	73.17			
	7/7/2021		---	17.73	70.74			
	5/9/2022		---	17.39	71.08			

NOTES:

Monitoring well construction and groundwater elevation data were obtained from historical reports obtained from an SCDHEC FOI search. BLE is not responsible for the accuracy of this data. Measurements are in feet; elevations are relative to an arbitrary site datum.

btoc = below top of casing

NA = Not Available / Unknown

* - Groundwater elevation corrected for the presence of free-product using the specific gravity of 0.70 g/ml

TABLE 2A

Historical Laboratory Analytical Results
 Former Highway 11 Grocery
 13527 North Highway 11
 Salem, Oconee County, South Carolina
 UST Permit #03439; Cost Agreement #66334
 BLE Project No. J22-10768-08

Well	Date Sampled	Free-Product Thickness	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)	
SC DHEC RBSL			5	1,000	700	10,000	40	25	0.05	5	
03439-MW01	5/7/2002	0.04	226,000	301,000	280,000	278,000	5,110,000	2,000	NA	NA	
	7/1/2003	0.24	10,000	34,000	4,400	23,000	34,000	1,200	NA	NA	
	7/30/2003	0.08	7,600	28,000	6,300	32,000	25,000	2,500	NA	NA	
	12/18/2003	---	2,200	6,200	910	5,800	16,000	2,500	NA	NA	
	3/31/2004	---	3,400	9,300	1,100	6,200	20,000	1,200	NA	NA	
	2/14/2008	0.03	Not Sampled Due to the Presence of Free Product								
	4/27/2010	0.55	Not Sampled Due to the Presence of Free Product								
	12/13/2010	---	4,530	8,750	1,150	6,430	30,400	529	NT	<250	
	5/14/2013	0.05	Not Sampled Due to the Presence of Free Product								
	10/2/2017	---	9,020	25,600	2,030	11,200	60,700	382 J	<0.020	<120	
	2/13/2019	0.02	Not Sampled Due to the Presence of Free Product								
	3/10/2020	---	840	6,200	1,100	6,300	980	340	<0.021	<20	
7/7/2021	0.11	Not Sampled Due to the Presence of Free Product									
5/10/2022	0.45	Not Sampled Due to the Presence of Free Product									
03439-MW02	5/7/2002	---	13.0	8.0	1.0	5.0	5.0	5.0	NA	NA	
	7/1/2003	---	4.7	5.0	1.0	3.0	1.0	5.0	NA	NA	
	7/30/2003	---	5.8	5.0	1.0	5.0	1.0	5.0	NA	NA	
	12/18/2003	---	2.2	5.0	1.0	3.0	1.0	5.0	NA	NA	
	3/31/2004	---	2.6	5.0	1.0	3.0	1.0	5.0	NA	NA	
	2/14/2008	---	4.0	<1	<1	1.0	<1	<2	NT	NT	
	4/27/2010	---	4.0	<5	<5	3.0	<5	<5	<0.02	<5	
	12/13/2010	---	<5	<5	<5	<10	<5	<5	NT	<5	
	5/14/2013	---	<5	<5	<5	<10	<5	<5	<0.02	<5	
	10/2/2017	---	<0.25	<0.26	<0.30	<1.0	<0.21	<0.24	<0.019	<0.24	
	2/13/2019	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.019	<0.40	
	3/10/2020	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.020	<0.40	
	7/8/2021	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0048	<0.40	
5/10/2022	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40		
03439-MW03	5/7/2002	---	1.0	1.0	1.0	1.0	5.0	5.0	NA	NA	
	7/1/2003	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA	
	7/30/2003	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA	
	12/18/2003	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA	
	3/31/2004	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA	
	2/14/2008	---	<1	<1	<1	1.0	<1	<2	NT	NT	
	4/27/2010	---	<5	<5	<5	<10	<5	<5	<0.02	<5	
	12/13/2010	---	<5	<5	<5	<10	<5	<5	NT	<5	
	5/14/2013	NA	Not Located								
	10/2/2017	---	<0.25	<0.26	<0.30	<1.0	<0.21	<0.24	<0.019	<0.24	
	2/13/2019	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.020	<0.40	
	3/10/2020	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.020	<0.40	
	7/7/2021	NA	Not Located								
5/10/2022	---	<0.40	1.6	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40		
03439-MW04	5/7/2002	---	1,500	5,320	620	3,360	810	500	NA	NA	
	7/1/2003	---	4,800	14,000	2,300	12,000	2,600	500	NA	NA	
	7/30/2003	---	4,000	14,000	2,700	13,000	2,100	500	NA	NA	
	12/18/2003	---	1,100	2,400	230	1,900	1,200	250	NA	NA	
	3/31/2004	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA	
	2/14/2008	---	<1	<1	<1	<3	1.0	<2	NA	NA	
	4/27/2010	---	532	906	179	895	381	31	<0.02	<5	
	12/13/2010	---	520	224	55	482	763	18	NA	<25	
	5/14/2013	---	140	480	250	1,000	31	39	<0.02	NA	
	10/3/2017	---	63.5	177	260	1,420	6.2	73	<0.019	<0.96	
	2/13/2019	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.019	<0.40	
	3/10/2020	---	4.6	5.7	11	58	0.62 J	4.0	<0.020	<0.40	
	7/8/2021	---	3.6	26	29	160	<0.40	5.6	<0.0049	<0.40	
5/10/2022	---	11	55	67	260	<0.40	11	<0.0050	<0.40		

TABLE 2A

Historical Laboratory Analytical Results
 Former Highway 11 Grocery
 13527 North Highway 11
 Salem, Oconee County, South Carolina
 UST Permit #03439; Cost Agreement #66334
 BLE Project No. J22-10768-08

Well	Date Sampled	Free-Product Thickness	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)
SC DHEC RBSL			5	1,000	700	10,000	40	25	0.05	5
03439-MW05	5/7/2002	---	1.0	1.0	1.0	1.0	5.0	5.0	NA	NA
	7/1/2003	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA
	7/30/2003	---	4.2	17.0	3.6	18	2.2	5.0	NA	NA
	12/18/2003	---	2.3	5.0	1.0	3.2	1.3	5.0	NA	NA
	3/31/2004	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA
	2/14/2008	---	<1	<1	<1	<3	<1	<2	NA	NA
	4/27/2010	NA	Not Located							
	12/13/2010	NA	Not Located							
	5/14/2013	NA	Not Located							
	10/2/2017	NA	Not Located							
	2/13/2019	NA	Not Located							
	3/10/2020	NA	Not Located							
	7/7/2021	NA	Not Located							
5/10/2022	NA	Not Located								
03439-MW06	5/7/2002	---	1,780	4,950	490	2,880	6,350	500	NA	NA
	7/1/2003	---	2,200	6,600	820	4,400	12,000	2,500	NA	NA
	7/30/2003	---	4,200	13,000	1,600	8,900	21,000	400	NA	NA
	12/18/2003	---	5,100	14,000	1,700	11,000	19,000	2,500	NA	NA
	3/31/2004	---	280	840	100	2,200	900	250	NA	NA
	2/14/2008	---	162	750	26	575	11	12	NA	NA
	4/27/2010	---	5,570	19,900	2,260	12,300	35,300	463	<0.02	<5
	12/13/2010	---	1,300	6,340	360	7,910	2,500	<250	NT	<250
	5/14/2013	---	7,500	27,000	1,900	13,000	22,000	380	<0.02	210
	10/2/2017	NA	Not Located							
	2/13/2019	0.01	Not Sampled Due to the Presence of Free Product							
	3/11/2020	---	3,500	23,000	2,300	14,000	1,400	580	0.029	<80
	7/8/2021	---	1,200	7,600	1,200	7,200	340	320	0.013 J	<40
	5/10/2022	---	1,800	12,000	1,800	10,000	300	370	<0.0050	50
	03439-MW06 DUP	5/10/2022	---	1,900	12,000	1,900	10,000	330	360	<0.0049
03439-MW07	5/7/2002	---	34	20	1.0	8.0	7.0	5.0	NA	NA
	7/1/2003	---	37	36	1.7	20	9.2	5.0	NA	NA
	7/30/2003	---	18	18	1.0	9.7	1.0	5.0	NA	NA
	12/18/2003	---	41	20	1.0	3.0	1.0	5.0	NA	NA
	3/31/2004	---	30	34	1.0	16	1.0	5.0	NA	NA
	2/14/2008	---	59	60	3.0	41	2.0	<2	NA	NA
	4/27/2010	NA	Not Accessible							
	12/13/2010	NA	Not Located							
	5/14/2013	NA	Not Located							
	10/2/2017	NA	Not Located							
	2/13/2019	NA	Not Accessible							
	3/10/2020	NA	Not Accessible							
	7/7/2021	NA	Not Located							
5/10/2022	NA	Not Located								
03439-MW08	5/7/2002	0.06	226,000	301,000	280,000	278,000	5,100,000	2,000	NA	NA
	7/1/2003	0.60	12,000	51,000	7,800	40,000	11,000	2,500	NA	NA
	7/30/2003	0.20	12,000	40,000	3,600	18,000	15,000	660	NA	NA
	12/18/2003	---	10,000	27,000	3,300	18,000	14,000	2,500	NA	NA
	3/31/2004	0.10	Not Sampled Due to the Presence of Free Product							
	2/14/2008	1.93	Not Sampled Due to the Presence of Free Product							
	4/27/2010	0.45	Not Sampled Due to the Presence of Free Product							
	12/13/2010	1.00	Not Sampled Due to the Presence of Free Product							
	5/14/2013	0.27	Not Sampled Due to the Presence of Free Product							
	10/2/2017	---	2,370	14,600	2,090	11,200	386	386	<0.019	<24.0
	2/13/2019	---	2,000	12,000	2,100	13,000	490	410	<0.019	<20
	3/12/2020	---	2,100	14,000	2,100	12,000	250	420	<0.020	<80
	7/7/2021	---	2,300	18,000	3,300	18,000	150 J	650	<0.024	<80
	5/10/2022	---	1,800	14,000	2,500	13,000	74	460	<0.0052	44

TABLE 2A

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Well	Date Sampled	Free-Product Thickness	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)	
SC DHEC RBSL			5	1,000	700	10,000	40	25	0.05	5	
03439-MW09	5/7/2002	---	NA	NA	NA	NA	86.0	9.0	NA	NA	
	7/1/2003	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA	
	7/30/2003	---	NA	NA	NA	NA	540.0	6.5	NA	NA	
	12/18/2003	---	1.0	5.0	1.0	3.0	91.0	ND	NA	NA	
	3/31/2004	---	1.0	5.0	2.0	8.8	1.0	ND	NA	NA	
	2/14/2008	---	<1	<1	<1	<3	<1	<2	NA	NA	
	4/27/2010	---	<5	<5	<5	<10	<5	<5	<0.02	<5	
	12/13/2010	---	<5	<5	<5	<10	<5	<5	NT	<5	
	5/14/2013	---	<5	<5	<5	<10	<5	<5	<0.02	<5	
	10/3/2017	---	<0.25	<0.26	<0.30	<1.0	<0.21	<0.24	<0.019	<0.24	
	2/14/2019	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.020	<0.40	
	3/10/2020	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.021	<0.40	
7/7/2021	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0047	<0.40		
5/11/2022	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0049	<0.40		
03439-MW10	5/7/2002	---	115	185	68.0	328	86	9.0	NA	NA	
	7/1/2003	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA	
	7/30/2003	---	170	420	43.0	240	540	6.5	NA	NA	
	12/18/2003	---	89	280	74.0	480	91	25	NA	NA	
	3/31/2004	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA	
	2/14/2008	---	401	129	167	721	296	46	NA	NA	
	4/27/2010	---	<5	<5	<5	<10	4.0	<5	<0.02	<5	
	12/13/2010	---	50	8.0	5.0	52	23	<5	NA	<5	
	5/14/2013	---	6.0	<5	<5	<10	<5	<5	<0.02	<5	
	10/2/2017	NA	Not Located								
	2/13/2019	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.020	<0.40
	3/10/2020	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.020	<0.40
7/8/2021	---	0.56 J	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0049	<0.40	
5/11/2022	---	2	5	18	13	<0.40	2.2	<0.0052	<0.40		
03439-MW11	5/7/2002	---	1.0	1.0	1.0	1.0	5.0	5.0	NA	NA	
	7/1/2003	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA	
	7/30/2003	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA	
	12/18/2003	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA	
	3/31/2004	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA	
	2/14/2008	---	<1	2.0	1.0	7.0	2.0	1.0	NA	NA	
	4/27/2010	---	<5	3.0	<5	4.0	<5	<5	<0.02	<5	
	12/13/2010	---	<5	<5	<5	<10	<5	<5	NA	<5	
	5/14/2013	---	<5	<5	<5	<10	<5	<5	<0.02	<5	
	10/3/2017	---	<0.25	0.73 J	1.1	7.0	<0.21	1.3	<0.019	<0.24	
	2/13/2019	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.020	<0.40	
	3/11/2020	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.020	<0.40	
7/8/2021	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40		
5/10/2022	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40		
03439-MW12	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA	
	7/1/2003	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA	
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	12/18/2003	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA	
	3/31/2004	---	5,500	17,000	2,600	13,000	7,100	570	NA	NA	
	2/14/2008	---	<1	<1	<1	<3	<1	<2	NA	NA	
	4/27/2010	---	<5	<5	<5	<10	<5	<5	<0.02	<5	
	12/13/2010	---	<5	<5	<5	<10	<5	<5	NA	<5	
	5/14/2013	---	<5	<5	<5	<10	<5	<5	<0.02	<5	
	10/3/2017	---	<0.25	<0.26	<0.30	<1.0	<0.21	<0.24	<0.019	<0.24	
	2/14/2019	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.020	<0.40	
	3/10/2020	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.020	<0.40	
7/7/2021	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0049	<0.40		
5/10/2022	---	<0.40	<0.40	<0.40	0.67 J	<0.40	<0.40	<0.0050	<0.40		

TABLE 2A

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Well	Date Sampled	Free-Product Thickness	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)
SC DHEC RBSL			5	1,000	700	10,000	40	25	0.05	5
03439-MW13	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/1/2003	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2003	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA
	3/31/2004	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA
	2/14/2008	NA	Not Located							
	4/27/2010	---	<5	<5	<5	<10	<5	<5	0.05	<5
	12/13/2010	---	<5	<5	<5	<10	<5	<5	NA	<5
	5/14/2013	---	<5	<5	<5	<10	<5	<5	<0.02	<5
	10/2/2017	---	<0.25	<0.26	<0.30	<1.0	<0.21	<0.24	<0.020	<0.24
	2/13/2019	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.019	<0.40
3/10/2020	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.020	<0.40	
7/7/2021	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40	
5/11/2022	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0049	<0.40	
03439-MW14	5/7/2002	---	3,780	13,800	27,000	14,700	7,010	500	NA	NA
	7/1/2003	---	3,500	10,000	1,900	10,000	5,300	500	NA	NA
	7/30/2003	---	3,100	9,700	1,800	9,300	4,300	500	NA	NA
	12/18/2003	---	3,300	11,000	2,000	11,000	4,100	500	NA	NA
	3/31/2004	---	1.0	5.0	1.0	3.0	2.0	5.0	NA	NA
	2/14/2008	---	3,640	14,500	2,700	14,300	5,500	439	NA	NA
	4/27/2010	---	1,770	6,420	1,560	8,850	2,020	432	<0.02	<5
	12/13/2010	---	1,410	4,840	1,490	8,450	1,500	359	NA	<250
	5/14/2013	---	1,100	4,700	1,200	7,100	830	350	<0.02	<250
	10/3/2017	---	371	706	551	3,220	88.1	179	<0.020	<2.4
	2/14/2019	---	220	530	480	2,700	60	140	<0.020	<4.0
3/10/2020	---	170	470	410	2,200	28	140	<0.020	<4.0	
7/7/2021	---	250	110	480	2,400	22	150	<0.0048	<4.0	
5/11/2022	---	170	96	320	1,600	13	110	<0.0051	<4.0	
03439-MW15	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/1/2003	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2003	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA
	3/31/2004	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA
	2/14/2008	NA	Not Sampled							
	4/27/2010	---	<5	<5	<5	<10	<5	<5	<0.02	<5
	12/13/2010	NA	Not Located							
	5/14/2013	NA	Not Located							
	10/2/2017	---	<0.25	<0.26	<0.30	<1.0	<0.21	<0.24	<0.020	<0.24
	2/13/2019	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.020	<0.40
3/11/2020	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.020	<0.40	
7/8/2021	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0048	<0.40	
5/10/2022	NA	Well Dry at Time of Sampling Event								
03439-DMW01	5/7/2002	---	215	430	50	50	1,780	250	NA	NA
	7/1/2003	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA
	7/30/2003	---	1.0	5.0	1.0	3.0	4.2	5.0	NA	NA
	12/18/2003	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA
	3/31/2004	---	1.0	5.0	1.0	3.0	3.9	5.0	NA	NA
	2/14/2008	---	<1	<1	<1	<3	12	<2	NA	NA
	4/27/2010	---	<5	3.0	<5	5.0	<5	4.0	<0.02	<5
	12/13/2010	---	3.0	4.0	<5	3.0	104	<5	NA	<5
	5/14/2013	---	<5	<5	<5	<10	<1	<5	<0.02	<5
	10/3/2017	---	<0.25	<0.26	<0.30	<1.0	0.29 J	<0.24	<0.019	<0.24
	2/14/2019	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.019	<0.40
3/10/2020	---	<0.40	1.3	<0.40	0.72 J	<0.40	<0.40	<0.020	<0.40	
7/8/2021	---	1.6	21	3.8	20	<0.40	0.78 J	<0.0049	<0.40	
5/10/2022	---	2.5	21	2.1	19	0.48 J	1.3	<0.0050	<0.40	

TABLE 2A

Historical Laboratory Analytical Results
 Former Highway 11 Grocery
 13527 North Highway 11
 Salem, Oconee County, South Carolina
 UST Permit #03439; Cost Agreement #66334
 BLE Project No. J22-10768-08

Well	Date Sampled	Free-Product Thickness	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)
SC DHEC RBSL			5	1,000	700	10,000	40	25	0.05	5
03439-DMW02	5/7/2002	---	1.0	1.0	1.0	1.0	5.0	5.0	NA	NA
	7/1/2003	---	1.0	5.0	1.0	3.0	6.4	5.0	NA	NA
	7/30/2003	---	1.0	8.4	6.8	30	1.0	6.7	NA	NA
	12/18/2003	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA
	3/31/2004	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA
	2/14/2008	---	<1	<1	<1	<3	<1	<2	NA	NA
	4/27/2010	---	<5	<5	<5	3.0	<5	<5	<0.02	<5
	12/13/2010	---	<5	<5	<5	<10	<5	<5	NA	<5
	5/14/2013	---	<5	<5	<5	<10	<5	<5	<0.02	<5
	10/3/2017	---	<0.25	6.9	7.6	53.4	<0.21	3.0	<0.020	<0.24
	2/14/2019	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.020	<0.40
3/11/2020	---	<0.40	4.1	0.85 J	4.7	<0.40	<0.40	<0.020	<0.40	
7/7/2021	---	0.92 J	11	1.9	7.9	<0.40	<0.40	<0.0049	<0.40	
5/10/2022	---	2.6	36	4.7	29	<0.40	1.7	<0.0051	<0.40	
03439-DMW04	5/7/2002	---	1.0	1.0	1.0	1.0	5.0	5.0	NA	NA
	7/1/2003	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA
	7/30/2003	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA
	12/18/2003	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA
	3/31/2004	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA
	2/14/2008	---	<1	<1	<1	<3	<1	<2	NA	NA
	4/27/2010	---	<5	<5	<5	<10	<5	<5	<0.02	<5
	12/13/2010	---	<5	<5	<5	<10	<5	<5	NA	<5
	5/14/2013	---	<5	<5	<5	<10	<5	<5	<0.02	<5
	10/3/2017	---	<0.25	0.90 J	<0.30	<1.0	0.28 J	0.85 J	<0.011	<0.24
	2/14/2019	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.019	<0.40
3/10/2020	---	3.4	50	10	59	<0.40	4.4	<0.020	<0.40	
7/8/2021	---	5.6	53	8.2	45	<0.40	1.5	<0.0050	<0.40	
5/10/2022	---	0.91 J	7.9	1	9.1	<0.40	<0.40	<0.0051	<0.40	
03439-RW01	12/13/2010	---	3,550	13,500	1,190	6,220	24,500	874	NA	<125
	5/14/2013	0.04	Not Sampled Due to the Presence of Free Product							
	10/3/2017	---	5,340	31,400	3,430	21,700	7,920	700	<0.019	<60.0
	10/3/2017	---	2,440	9,230	1,060	6,200	10,200	274	<0.019	<24.0
	2/13/2019	---	3,800	24,000	2,800	21,000	3,800	710 J	<0.020	<80
	3/11/2020	---	1,100	5,200	700	4,800	940	68 J	0.026	<40
	7/8/2021	---	830	2,200	740	4,600	600	180	0.038	<8.0
	5/10/2022	---	580	2,700	300	2,400	440	98	<0.0051	<8.0
03439-RW02	12/13/2010	0.02	Not Sampled Due to the Presence of Free Product							
	5/14/2013	0.30	Not Sampled Due to the Presence of Free Product							
	10/2/2017	0.61	Not Sampled Due to the Presence of Free Product							
	2/13/2019	0.03	Not Sampled Due to the Presence of Free Product							
	3/11/2020	---	8,500	36,000	2,800	15,000	12,000	510	0.066	<200
	7/8/2021	---	530	4,700	970	5,100	290	230	<0.0049	<20
5/10/2022	---	500	2,000	290	1,600	1,600	68	<0.0050	<8.0	
03439-RW02 DUP	5/10/2022	---	1,200	5,000	780	4,400	3,300	180	<0.0050	<20
03439-RW03	12/13/2010	---	4,860	20,800	3,240	17,500	10,200	1,290	NA	<250
	5/14/2013	---	4,900	17,000	1,400	8,200	7,400	280	<0.02	<500
	10/2/2017	NA	Well Dry at Time of Sampling Event							
	2/13/2019	---	55	180	11	380	120	25	<0.020	1.3 J
	3/11/2020	---	480	2,500	100	1,900	220	81	<0.020	<20
	7/7/2021	NA	Well Obstructed							
5/10/2022	NA	Well Obstructed								
03439-RW04	12/13/2010	---	2,390	6,720	467	4,020	7,780	169	NA	<5
	5/14/2013	---	4,000	13,000	990	5,900	22,000	<1,000	<0.02	97
	10/3/2017	---	391	1,370	273	2,060	20.6	261	<0.020	<2.4
	2/13/2019	0.01	Not Sampled Due to the Presence of Free Product							
	3/11/2020	---	1,200	7,600	900	5,400	860	250	<0.020	<40
	7/8/2021	---	410	2,300	380	2,400	180	120	<0.0050	<8.0
5/10/2022	---	560	2,900	470	2,900	210	120	<0.0050	<8.0	
03439-RW05	5/14/2013	1.39	Not Sampled Due to the Presence of Free Product							
	10/2/2017	0.38	Not Sampled Due to the Presence of Free Product							
	2/13/2019	0.20	Not Sampled Due to the Presence of Free Product							
	3/10/2020	0.25	Not Sampled Due to the Presence of Free Product							
	7/7/2021	0.21	Not Sampled Due to the Presence of Free Product							
	5/10/2022	0.20	Not Sampled Due to the Presence of Free Product							

TABLE 2A

Historical Laboratory Analytical Results
 Former Highway 11 Grocery
 13527 North Highway 11
 Salem, Oconee County, South Carolina
 UST Permit #03439; Cost Agreement #66334
 BLE Project No. J22-10768-08

Well	Date Sampled	Free-Product Thickness	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)
SC DHEC RBSL			5	1,000	700	10,000	40	25	0.05	5
03439-RW06	5/14/2013	3.24	Not Sampled Due to the Presence of Free Product							
	10/2/2017	3.74	Not Sampled Due to the Presence of Free Product							
	2/13/2019	1.09	Not Sampled Due to the Presence of Free Product							
	3/10/2020	0.31	Not Sampled Due to the Presence of Free Product							
	7/7/2021	0.48	Not Sampled Due to the Presence of Free Product							
	5/10/2022	0.69	Not Sampled Due to the Presence of Free Product							
03439-RW07	5/14/2013	4.99	Not Sampled Due to the Presence of Free Product							
	10/2/2017	0.83	Not Sampled Due to the Presence of Free Product							
	2/13/2019	1.30	Not Sampled Due to the Presence of Free Product							
	3/10/2020	1.44	Not Sampled Due to the Presence of Free Product							
	7/7/2021	0.08	Not Sampled Due to the Presence of Free Product							
	5/10/2022	1.83	Not Sampled Due to the Presence of Free Product							
03439-RW08	5/14/2013	---	8,400	33,000	3,000	16,000	6,100	<2,500	0.06	<2,500
	10/3/2017	---	2,900	14,100	2,030	10,300	472	467	<0.019	<24.0
	2/13/2019	---	2,900	19,000	2,500	13,000	570 J	360 J	0.038	<80
	3/11/2020	---	3,100	20,000	2,800	14,000	320	480	0.020	<80
	7/7/2021	---	3,100	22,000	3,100	16,000	150 J	510	0.034	<80
	5/10/2022	---	2,600	20,000	3,100	15,000	110	470	<0.0050	<40
03439-RW09	5/14/2013	0.60	Not Sampled Due to the Presence of Free Product							
	10/2/2017	0.04	Not Sampled Due to the Presence of Free Product							
	2/13/2019	---	4.4 J	58	45	290	2.0 J	12	<0.020	<0.40
	3/11/2020	---	1,400	7,900	2,000	11,000	140	560	<0.020	<40
	7/7/2021	---	1,600	16,000	4,200	23,000	<80	840	0.017 J	<80
	5/10/2022	---	1,200	9,400	2,300	12,000	56 J	490	<0.0051	<40
03439-RW10	5/14/2013	---	6,300	31,000	3,500	19,000	4,300	<2,500	<0.02	<2,500
	10/3/2017	---	2,650	10,900	2,150	11,200	480	401	<0.020	<24.0
	2/13/2019	---	3.6 J	2.5 J	<0.40	0.68 J	11	<0.40	<0.020	<0.40
	3/11/2020	---	1,400	6,600	1,400	7,900	210	330	<0.020	<40
	7/7/2021	---	2,000	4,200	1,800	9,900	190	440	<0.025	<20
	5/10/2022	---	1,600	5,000	1,800	9,900	110	420	<0.0050	<40
03439-RW11	5/14/2013	---	6,400	29,000	3,000	17,000	3,700	<2,500	<0.02	<2,500
	10/2/2017	0.04	Not Sampled Due to the Presence of Free Product							
	2/13/2019	---	2,700	17,000	2,600	16,000	860	590	0.023	<40
	3/12/2020	---	2,400	15,000	2,500	16,000	570	720	<0.020	<80
	7/8/2021	---	2,700	15,000	2,800	15,000	260	540	0.022	<40
	5/11/2022	---	1,900	11,000	2,200	12,000	180	470	<0.0051	<40
03439-RW12	5/14/2013	---	6,800	26,000	3,200	17,000	6,100	570	<0.02	<1,000
	10/3/2017	---	818	5,810	1,960	10,800	118	447	<0.020	<12.0
	2/13/2019	---	110	420	95	640	46	21 J	<0.020	<2.0
	3/12/2020	---	790	3,800	890	5,000	140	180	<0.020	<20
	7/8/2021	---	1,500	3,300	1,600	9,100	130	420	<0.0048	<20
	5/10/2022	---	1,400	5,600	1,700	9,400	86	380	<0.0050	37 J
03439-RW13	5/14/2013	---	2,800	5,100	990	5,300	4,100	230	<0.02	<250
	10/3/2017	---	52.6	355	230	1,480	5.1 J	128	<0.020	<2.4
	2/13/2019	---	0.63 J	<0.40	<0.40	0.81 J	11.0	<0.40	<0.020	<0.40
	3/11/2020	---	410	1,900	510	2,900	63	130	<0.020	<8.0
	7/7/2021	---	260	140	230	1,500	23	95	<0.0069	<2.0
	5/11/2022	---	190	480	290	1,600	12	81	<0.0051	<4.0
03439-RW14	10/2/2017	0.42	Not Sampled Due to the Presence of Free Product							
	2/13/2019	2.36	Not Sampled Due to the Presence of Free Product							
	3/10/2020	2.45	Not Sampled Due to the Presence of Free Product							
	7/7/2021	0.68	Not Sampled Due to the Presence of Free Product							
	5/10/2022	0.61	Not Sampled Due to the Presence of Free Product							
03439-RW15	10/2/2017	1.09	Not Sampled Due to the Presence of Free Product							
	2/13/2019	0.09	Not Sampled Due to the Presence of Free Product							
	3/10/2020	0.04	Not Sampled Due to the Presence of Free Product							
	7/7/2021	0.08	Not Sampled Due to the Presence of Free Product							
	5/11/2022	---	4,100	23,000	2,400	13,000	480	500	0.023	110
03439-RW16	10/2/2017	1.11	Not Sampled Due to the Presence of Free Product							
	2/13/2019	---	310 J	32,000	4,000	22,000	<80	620 J	<0.020	<80
	3/12/2020	---	2,300	35,000	4,000	21,000	<200	590	<0.020	<200
	7/8/2021	---	5,600	26,000	3,200	16,000	660	570	0.088	<80
	5/11/2022	---	5,700	30,000	3,200	17,000	670	550	0.024	<80

TABLE 2A

Historical Laboratory Analytical Results
 Former Highway 11 Grocery
 13527 North Highway 11
 Salem, Oconee County, South Carolina
 UST Permit #03439; Cost Agreement #66334
 BLE Project No. J22-10768-08

Well	Date Sampled	Free-Product Thickness	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)
SC DHEC RBSL			5	1,000	700	10,000	40	25	0.05	5
03439-RW17	10/2/2017	NA	Not Located / Not Accessible / Under Fallen Tree							
	2/13/2019	---	<0.40	5.0	14	92	<0.40	7.4	<0.020	<0.40
	3/12/2020	---	1,300	11,000	1,200	6,100	5.1	190	<0.020	31
	7/8/2021	---	3,000	24,000	3,000	15,000	<80	450	0.028	<80
	5/11/2022	---	2,100	23,000	2,600	13,000	<80	450	<0.0049	<80
03439-CK01	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/1/2003	---	2.6	5.0	1.0	4.8	4.5	5.0	NA	NA
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2003	---	11	18	4.1	20	9.0	5.0	NA	NA
	3/31/2004	---	16	30	6.1	32	22	5.0	NA	NA
	2/14/2008	---	9.0	17	5.0	24	12	1.0	NA	NA
	4/27/2010	---	3.0	6.0	2.0	8.0	5.0	<5	<0.02	<5
	12/13/2010	---	4.0	6.0	2.0	9.0	5.0	<5	NA	<5
	5/14/2013	---	<5	9.0	2.0	13	5.0	<5	<0.02	<5
	10/2/2017	---	4.7	6.8	3.7	18.8	5.8	0.83 J	<0.019	<0.24
	2/13/2019	---	0.98 J	2.1 J	1.2 J	6.0	1.1 J	<0.40	<0.020	<0.40
	3/12/2020	---	5.3	22	8.9	47	4.6	1.9	<0.020	<0.40
	7/7/2021	---	0.58 J	0.75 J	0.71 J	3.4	0.73 J	<0.40	<0.0048	<0.40
	5/10/2022	---	18	57	28	140	5.1	5.8	<0.0050	<0.40
03439-CK02	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/1/2003	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2003	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA
	3/31/2004	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA
	2/14/2008	NA	Not Sampled							
	4/27/2010	---	13	36	6.0	32	17	<5	<0.02	<5
	12/13/2010	---	16	36	7.0	34	23	7.0	NA	<5
	5/14/2013	---	24	75	15	89	21	3.0	<0.02	<5
	10/2/2017	---	17.1	39.6	14.4	75.8	14.4	3.4	<0.019	<0.24
	2/13/2019	---	4.4 J	16	5.6	30	3.0 J	1.3 J	<0.020	<0.40
	3/12/2020	---	4.3	13	5.7	29	3.0	1.4	<0.020	<0.40
	7/7/2021	---	2.0	5.1	3.0	15	1.7	0.74 J	<0.0049	<0.40
	5/10/2022	---	5.9	12	7.7	42	2.4	2.2	<0.0049	<0.40
03439-CK03	2/14/2008	---	21	54	10	62	<40	4.0	NA	NA
	4/27/2010	---	13	38	7.0	37	19	<5	<0.02	<5
	12/13/2010	---	18	39	8.0	42	28	4.0	NA	<5
	5/14/2013	---	12	36	7.0	40	12	<5	<0.02	<5
	10/2/2017	---	13	27.5	10.4	58.2	13	2.9	<0.019	<0.24
	2/13/2019	---	4.1 J	15	5.5	29	2.7 J	1.2 J	<0.020	<0.40
	3/12/2020	---	4.1	13	5.4	27	3.1	1.4	<0.020	<0.40
	7/7/2021	---	7.5	15	8.6	47	3.5	2.2	<0.0049	<0.40
	5/10/2022	---	4.7	11	6.5	37	2.4	2.2	<0.0050	<0.40
03439-CK04	2/13/2019	---	<0.40	0.52 J	<0.40	1.8 J	<0.40	<0.40	<0.020	<0.40
	3/12/2020	---	<0.40	0.65 J	0.47 J	2.4	0.66 J	<0.40	<0.020	<0.40
	7/7/2021	---	5.4	12	5.9	35	3.1	1.8	<0.0049	<0.40
	5/10/2022	---	0.84 J	1.2	1.3	6.7	1.1	<0.40	<0.0050	<0.40
03439-Seep-1	3/12/2020	---	370	1,100	65	3,400	320	120	<0.019	<20
	7/7/2021	---	Seep Dry							
	5/10/2022	---	Seep Dry							
03439-WW01	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/1/2003	---	1.0	5.0	1.0	3.0	1.0	5.0	NA	NA
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	3/31/2004	---	1.0	5.0	1.0	3.0	5.0	5.0	NA	NA
	2/14/2008	---	<1	<1	<1	<3	<1	<2	NA	NA
	4/27/2010	NA	Not Sampled							
	12/13/2010	---	<5	<5	<5	<10	<5	<5	NA	<5
	5/14/2013	---	<1	<1	<1	<1	<1	<1	<0.02	<1
	10/2/2017	---	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.019	<0.25
	2/13/2019	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0038	<0.40
	3/9/2020	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0039	<0.40
	7/8/2021	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.0040	<0.50
5/10/2022	---	<0.0050	<0.0050	<0.0050	<0.0015	<0.0050	<0.0050	<0.0040	<0.0050	
03439-WW01 Dup	5/10/2022	---	<0.0050	<0.0050	<0.0050	<0.0015	<0.0050	<0.0050	<0.0040	<0.0050
Equipment Blank 01	5/10/2022	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
Equipment Blank 02	5/11/2022	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0049	<0.40
Field Blank 01	5/10/2022	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40

TABLE 2A

Historical Laboratory Analytical Results
 Former Highway 11 Grocery
 13527 North Highway 11
 Salem, Oconee County, South Carolina
 UST Permit #03439; Cost Agreement #66334
 BLE Project No. J22-10768-08

Well	Date Sampled	Free-Product Thickness	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)
SC DHEC RBSL			5	1,000	700	10,000	40	25	0.05	5
Field Blank 02	5/11/2022	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
Trip Blank	5/10/2022	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	NT	<0.40
WSW Field Blank	5/10/2022	---	<0.0050	<0.0050	<0.0050	<0.0015	<0.0050	<0.0050	<0.0040	<0.0050
WSW Trip Blank	5/10/2022	---	<0.0050	<0.0050	<0.0050	<0.0015	<0.0050	<0.0050	NT	<0.0050

Notes:

µg/L = micrograms/liter = approximate Parts Per Billion (ppb)

Historical analytical results obtained from historical reports obtained from SCDHEC FOI search. BLE is not responsible for the accuracy of this data.

Bold values indicate detections

Shaded cells indicate concentrations above RBSLs

RBSL = Risk Based Screening Level

NA = Not Available / Unknown

ND = Not Detected at the Method Detection Limit

NT = Not Tested

MTBE = Methyl tertiary butyl ether

EDB = 1,2-Dibromoethane

1,2-DCA = 1,2-Dichloroethane

TABLE 2B

Historical Laboratory Analytical Results - 8-Oxygenates
 Former Highway 11 Grocery
 13527 North Highway 11
 Salem, Oconee County, South Carolina
 UST Permit #03439; Cost Agreement #66334
 BLE Project No. J22-10768-08

Well	Date Sampled	Free Product Thickness	Tert-Amyl Methyl Ether (TAME) (µg/L)	Tert-Amyl Alcohol (TAA) (µg/L)	Tert-Butyl Formate (TBF) (µg/L)	Tert-Butyl Alcohol (TBA) (µg/L)	Diisopropyl Ether (IPE) (µg/L)	Ethanol (µg/L)	Ethyl-Tert-Butyl Ether (ETBE) (µg/L)	Ethyl-Tert-Butyl Alcohol (ETBA) (µg/L)
SC DHEC RBSL			128	240	NE	1,400	150	10,000	47	NE
03439-MW01	5/7/2002	0.04	Not Sampled Due to the Presence of Free Product							
	7/1/2003	0.24	Not Sampled Due to the Presence of Free Product							
	7/30/2003	0.08	Not Sampled Due to the Presence of Free Product							
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NT
	2/14/2008	0.03	Not Sampled Due to the Presence of Free Product							
	4/27/2010	0.55	Not Sampled Due to the Presence of Free Product							
	12/13/2010	---	735	3,430	NA	1,600	449	NA	NA	NA
	5/14/2013	0.05	Not Sampled Due to the Presence of Free Product							
	10/2/2017	---	1,760 J	<25,000	<945	20,000 J	1,130	<65,500	<35.0	<25,000
	2/13/2019	0.02	Not Sampled Due to the Presence of Free Product							
	3/10/2020	---	97 J	<400	<100	310 J	35 J	<2,600	<20	<400
7/7/2021	0.11	Not Sampled Due to the Presence of Free Product								
5/10/2022	0.45	Not Sampled Due to the Presence of Free Product								
03439-MW02	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA
	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA
	4/27/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	12/13/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	5/14/2013	---	<10	<100	NA	<100	<5	NA	NA	NA
	10/2/2017	---	<0.10	<50.0	<1.9	<3.6	0.13 J	<131	<0.070	<50.0
	2/13/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
	3/10/2020	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0
7/8/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0	
5/10/2022	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0	
03439-MW03	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA
	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA
	4/27/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	12/13/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	5/14/2013	---	<10	<100	NA	<100	<5	NA	NA	NA
	10/2/2017	---	<0.10	<50.0	<1.9	<3.6	<0.12	<131	<0.070	<50.0
	2/13/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
	3/10/2020	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0
7/7/2021	NA	Not Located								
5/10/2022	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0	
03439-MW04	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA
	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA
	4/27/2010	---	14	355	NA	<100	22	NA	NA	NA
	12/13/2010	---	<50	342	NA	<500	25	NA	NA	NA
	5/14/2013	---	<50	<500	NA	<500	<50	NA	NA	NA
	10/3/2017	---	<0.40	<200	<7.6	<14.5	0.74 J	<524	<0.28	<200
	2/13/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
	3/10/2020	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0
7/8/2021	---	<0.42	11 J	<2.0	<0.40	<0.40	<52	<0.40	<8.0	
5/10/2022	---	<0.42	36	<2.0	<8.0	<0.40	<52	<0.40	<8.0	

TABLE 2B

Historical Laboratory Analytical Results - 8-Oxygenates
 Former Highway 11 Grocery
 13527 North Highway 11
 Salem, Oconee County, South Carolina
 UST Permit #03439; Cost Agreement #66334
 BLE Project No. J22-10768-08

Well	Date Sampled	Free Product Thickness	Tert-Amyl Methyl Ether (TAME) (µg/L)	Tert-Amyl Alcohol (TAA) (µg/L)	Tert-Butyl Formate (TBF) (µg/L)	Tert-Butyl Alcohol (TBA) (µg/L)	Diisopropyl Ether (IPE) (µg/L)	Ethanol (µg/L)	Ethyl-Tert-Butyl Ether (ETBE) (µg/L)	Ethyl-Tert-Butyl Alcohol (ETBA) (µg/L)	
SC DHEC RBSL			128	240	NE	1,400	150	10,000	47	NE	
03439-MW05	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA	
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA	
	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA	
	4/27/2010	NA	Not Located								
	12/13/2010	NA	Not Located								
	5/14/2013	NA	Not Located								
	10/2/2017	NA	Not Located								
	2/13/2019	NA	Not Located								
	3/10/2020	NA	Not Located								
	7/7/2021	NA	Not Located								
5/10/2022	NA	Not Located									
03439-MW06	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA	
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA	
	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA	
	4/27/2010	---	914	3,110	NA	<100	536	NA	NA	NA	
	12/13/2010	---	<500	<5,000	NA	<5,000	<250	NA	NA	NA	
	5/14/2013	---	910	2,300	NA	<20,000	470	NA	NA	NA	
	10/2/2017	NA	Not Located								
	2/13/2019	0.01	Not Sampled Due to the Presence of Free Product								
	3/11/2020	---	200 J	<1,600	<400	120 J	<80	<10,000	<80	<1,600	
	7/8/2021	---	69 J	<800	<200	44 J	<40	<5,200	<40	<800	
5/10/2022	---	88	220	<2.0	50	59	<52	1.5	<8.0		
03439-MW07	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA	
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA	
	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA	
	4/27/2010	NA	Not Accessible								
	12/13/2010	NA	Not Located								
	5/14/2013	NA	Not Located								
	10/2/2017	NA	Not Located								
	2/13/2019	NA	Not Accessible								
	3/10/2020	NA	Not Accessible								
	7/7/2021	NA	Not Located								
5/10/2022	NA	Not Located									
03439-MW08	5/7/2002	0.06	Not Sampled Due to the Presence of Free Product								
	7/1/2003	0.60	Not Sampled Due to the Presence of Free Product								
	7/30/2003	0.20	Not Sampled Due to the Presence of Free Product								
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	3/31/2004	0.10	Not Sampled Due to the Presence of Free Product								
	2/14/2008	1.93	Not Sampled Due to the Presence of Free Product								
	4/27/2010	0.45	Not Sampled Due to the Presence of Free Product								
	12/13/2010	1.00	Not Sampled Due to the Presence of Free Product								
	5/14/2013	0.27	Not Sampled Due to the Presence of Free Product								
	10/3/2017	---	<10.0	<5,000	<189	<362	60.4 J	<13,100	<7.0	<5,000	
	2/13/2019	---	92 J	830 J	<100	<400	51 J	<2,600	<20	<400	
	3/12/2020	---	<84	<1,600	<400	<80	<80	<10,000	<80	<1,600	
	7/7/2021	---	<84	<1,600	<400	<80	<80	<10,000	<80	<1,600	
5/10/2022	---	42	1,200	<2.0	44	30	<52	<0.40	<8.0		

TABLE 2B

Historical Laboratory Analytical Results - 8-Oxygenates
 Former Highway 11 Grocery
 13527 North Highway 11
 Salem, Oconee County, South Carolina
 UST Permit #03439; Cost Agreement #66334
 BLE Project No. J22-10768-08

Well	Date Sampled	Free Product Thickness	Tert-Amyl Methyl Ether (TAME) (µg/L)	Tert-Amyl Alcohol (TAA) (µg/L)	Tert-Butyl Formate (TBF) (µg/L)	Tert-Butyl Alcohol (TBA) (µg/L)	Diisopropyl Ether (IPE) (µg/L)	Ethanol (µg/L)	Ethyl-Tert-Butyl Ether (ETBE) (µg/L)	Ethyl-Tert-Butyl Alcohol (ETBA) (µg/L)	
SC DHEC RBSL			128	240	NE	1,400	150	10,000	47	NE	
03439-MW09	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA	
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA	
	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA	
	4/27/2010	---	<10	<100	NA	<100	<5	NA	NA	NA	
	12/13/2010	---	<10	<100	NA	<100	<5	NA	NA	NA	
	5/14/2013	---	<10	<100	NA	<100	<5	NA	NA	NA	
	10/3/2017	---	<0.10	<50.0	<1.9	<3.6	<0.12	<131	<0.070	<50.0	
	2/14/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0	
	3/10/2020	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0	
7/7/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0		
5/11/2022	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0		
03439-MW10	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA	
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA	
	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA	
	4/27/2010	---	<10	<100	NA	<100	<5	NA	NA	NA	
	12/13/2010	---	<10	<100	NA	<100	<5	NA	NA	NA	
	5/14/2013	---	<10	<100	NA	<100	<5	NA	NA	NA	
	10/2/2017	NA	Not Located								
	2/13/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0	
	3/10/2020	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0	
7/8/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0		
5/11/2022	---	<0.42	17 J	<2.0	<8.0	<0.40	<52	<0.40	<8.0		
03439-MW11	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA	
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA	
	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA	
	4/27/2010	---	<10	<100	NA	<100	<5	NA	NA	NA	
	12/13/2010	---	<10	<100	NA	<100	<5	NA	NA	NA	
	5/14/2013	---	<10	<100	NA	<100	<5	NA	NA	NA	
	10/3/2017	---	<0.10	<50.0	<1.9	<3.6	<0.12	<131	<0.070	<50.0	
	2/13/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0	
	3/11/2020	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0	
7/8/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0		
5/10/2022	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0		
03439-MW12	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA	
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA	
	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA	
	4/27/2010	---	<10	<100	NA	<100	<5	NA	NA	NA	
	12/13/2010	---	<10	<100	NA	<100	<5	NA	NA	NA	
	5/14/2013	---	<10	<100	NA	<100	<5	NA	NA	NA	
	10/3/2017	---	<0.10	<50.0	<1.9	<3.6	<0.12	<131	<0.070	NT	
	2/14/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0	
	3/10/2020	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0	
7/7/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0		
5/10/2022	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0		

TABLE 2B

Historical Laboratory Analytical Results - 8-Oxygenates
 Former Highway 11 Grocery
 13527 North Highway 11
 Salem, Oconee County, South Carolina
 UST Permit #03439; Cost Agreement #66334
 BLE Project No. J22-10768-08

Well	Date Sampled	Free Product Thickness	Tert-Amyl Methyl Ether (TAME) (µg/L)	Tert-Amyl Alcohol (TAA) (µg/L)	Tert-Butyl Formate (TBF) (µg/L)	Tert-Butyl Alcohol (TBA) (µg/L)	Diisopropyl Ether (IPE) (µg/L)	Ethanol (µg/L)	Ethyl-Tert-Butyl Ether (ETBE) (µg/L)	Ethyl-Tert-Butyl Alcohol (ETBA) (µg/L)	
SC DHEC RBSL			128	240	NE	1,400	150	10,000	47	NE	
03439-MW13	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA	
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA	
	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA	
	4/27/2010	---	<10	<100	NA	<100	<5	NA	NA	NA	
	12/13/2010	---	<10	<100	NA	<100	<5	NA	NA	NA	
	5/14/2013	---	<10	<100	NA	<100	<5	NA	NA	NA	
	10/2/2017	---	<0.10	<50.0	<1.9	<3.6	<0.12	<131	<0.070	NT	
	2/13/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0	
3/10/2020	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0		
7/7/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0		
5/11/2022	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0		
03439-MW14	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA	
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA	
	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA	
	4/27/2010	---	134	717	NA	<100	96	NA	NA	NA	
	12/13/2010	---	<500	<5,000	NA	<5,000	<250	NA	NA	NA	
	5/14/2013	---	55	420	NA	<5,000	35	NA	NA	NA	
	10/3/2017	---	<1.0	<500	<18.9	<36.2	9.8 J	<1,310	<0.70	<500	
	2/14/2019	---	10 J	100 J	<20	<80	6.5 J	<520	<4.0	<80	
3/10/2020	---	<4.2	<80	<20	<4.0	<4.0	<520	<4.0	<80		
7/7/2021	---	<4.2	100 J	<20	11 J	4.1 J	<520	<4.0	<80		
5/11/2022	---	<4.2	89 J	<20	<80	<4.0	<520	<4.0	<80		
03439-MW15	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA	
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA	
	2/14/2008	NA	Not Sampled								
	4/27/2010	---	<10	<100	NA	<100	<5	NA	NA	NA	
	12/13/2010	NA	Not Located								
	5/14/2013	NA	Not Located								
	10/2/2017	---	<0.10	<50.0	<1.9	<3.6	<0.12	<131	<0.070	<50.0	
	2/13/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0	
3/11/2020	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0		
7/8/2021	---	<0.42	<8.0	<2.0	0.67 J	<0.40	<52	<0.40	<8.0		
5/10/2022	---	Well Dry at Time of Sampling Event									
03439-DMW01	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA	
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA	
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA	
	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA	
	4/27/2010	---	<10	<100	NA	<100	<5	NA	NA	NA	
	12/13/2010	---	<10	<100	NA	<100	<5	NA	NA	NA	
	5/14/2013	---	<10	<100	NA	<100	<5	NA	NA	NA	
	10/3/2017	---	<0.10	<50.0	<1.9	<3.6	<0.12	<131	<0.070	<50.0	
	2/14/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0	
3/10/2020	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0		
7/8/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0		
5/10/2022	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0		

TABLE 2B

Historical Laboratory Analytical Results - 8-Oxygenates
 Former Highway 11 Grocery
 13527 North Highway 11
 Salem, Oconee County, South Carolina
 UST Permit #03439; Cost Agreement #66334
 BLE Project No. J22-10768-08

Well	Date Sampled	Free Product Thickness	Tert-Amyl Methyl Ether (TAME) (µg/L)	Tert-Amyl Alcohol (TAA) (µg/L)	Tert-Butyl Formate (TBF) (µg/L)	Tert-Butyl Alcohol (TBA) (µg/L)	Diisopropyl Ether (IPE) (µg/L)	Ethanol (µg/L)	Ethyl-Tert-Butyl Ether (ETBE) (µg/L)	Ethyl-Tert-Butyl Alcohol (ETBA) (µg/L)
SC DHEC RBSL			128	240	NE	1,400	150	10,000	47	NE
03439-DMW02	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA
	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA
	4/27/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	12/13/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	5/14/2013	---	<10	<100	NA	<100	<5	NA	NA	NA
	10/3/2017	---	<0.10	<50.0	<1.9	<3.6	<0.12	<131	<0.070	<50.0
	2/14/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
3/11/2020	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0	
7/7/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0	
5/10/2022	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0	
03439-DMW04	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA
	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA
	4/27/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	12/13/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	5/14/2013	---	<10	<100	NA	<100	<5	NA	NA	NA
	10/3/2017	---	<0.10	<50.0	<1.9	<3.6	<0.12	<131	<0.070	<50.0
	2/14/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
3/10/2020	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0	
7/8/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0	
5/10/2022	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0	
03439-RW01	12/13/2010	---	586	3,850	NA	5,200	373	NA	NA	NA
	5/14/2013	0.04	Not Sampled Due to the Presence of Free Product							
	10/3/2017	---	551 J	<12,500	<472	<905	327	<32,800	<17.5	<12,500
	2/13/2019	---	470 J	<1,600	<400	<1,600	190 J	<10,000	<80	<1,600
	3/11/2020	---	140 J	<800	<200	140 J	53 J	<5,200	<40	<800
	7/8/2021	---	120 J	<160	<40	170 J	45	<1,000	<8.0	<160
5/10/2022	---	75 J	<160	<40	<160	27	<1,000	<8.0	<160	
03439-RW02	12/13/2010	0.02	Not Sampled Due to the Presence of Free Product							
	5/14/2013	0.30	Not Sampled Due to the Presence of Free Product							
	10/2/2017	0.61	Not Sampled Due to the Presence of Free Product							
	2/13/2019	0.03	Not Sampled Due to the Presence of Free Product							
	3/11/2020	---	1,200 J	<4,000	<1,000	2,100 J	540	<26,000	<200	<4,000
	7/8/2021	---	37 J	<400	<100	86 J	<20	<2,600	<20	<400
5/10/2022	---	100 J	300 J	<40	270 J	52	<1,000	<8.0	<160	
03439-RW02 DUP	5/10/2022	---	220 J	560 J	<100	460 J	120	<2,600	<20	<400
03439-RW03	12/13/2010	---	454	<5,000	NA	<5,000	284	NA	NA	NA
	5/14/2013	---	420	870	NA	<10,000	260	NA	NA	NA
	10/2/2017	NA	Well Dry at Time of Sampling Event							
	2/13/2019	---	12.0	31.0	<2.0	22.0	6.4	<52	<0.40	<8.0
	3/11/2020	---	30 J	<400	<100	42 J	<20	<2,600	<20	<400
	7/7/2021	NA	Well Obstructed							
5/10/2022	---	Well Obstructed								
03439-RW04	12/13/2010	---	259	581	NA	764	203	NA	NA	NA
	5/14/2013	---	650	1,700	NA	1,400	370	NA	NA	NA
	10/3/2017	---	<1.0	<500	<18.9	<36.2	3.9 J	<1,310	<0.70	<500
	2/13/2019	0.01	Not Sampled Due to the Presence of Free Product							
	3/11/2020	---	110 J	<800	<200	160 J	54 J	<5,200	<40	<800
	7/8/2021	---	32 J	<160	<40	61 J	15 J	<1,000	<8.0	<160
5/10/2022	---	41 J	<160	<40	<160	<8.0	<1,000	<8.0	<160	
03439-RW05	5/14/2013	1.39	Not Sampled Due to the Presence of Free Product							
	10/2/2017	0.38	Not Sampled Due to the Presence of Free Product							
	2/13/2019	0.20	Not Sampled Due to the Presence of Free Product							
	3/10/2020	0.25	Not Sampled Due to the Presence of Free Product							
	7/7/2021	0.21	Not Sampled Due to the Presence of Free Product							
	5/10/2022	0.20	Not Sampled Due to the Presence of Free Product							

TABLE 2B

Historical Laboratory Analytical Results - 8-Oxygenates

Former Highway 11 Grocery
 13527 North Highway 11
 Salem, Oconee County, South Carolina
 UST Permit #03439; Cost Agreement #66334
 BLE Project No. J22-10768-08

Well	Date Sampled	Free Product Thickness	Tert-Amyl Methyl Ether (TAME) (µg/L)	Tert-Amyl Alcohol (TAA) (µg/L)	Tert-Butyl Formate (TBF) (µg/L)	Tert-Butyl Alcohol (TBA) (µg/L)	Diisopropyl Ether (IPE) (µg/L)	Ethanol (µg/L)	Ethyl-Tert-Butyl Ether (ETBE) (µg/L)	Ethyl-Tert-Butyl Alcohol (ETBA) (µg/L)
SC DHEC RBSL			128	240	NE	1,400	150	10,000	47	NE
03439-RW06	5/14/2013	3.24	Not Sampled Due to the Presence of Free Product							
	10/2/2017	3.74	Not Sampled Due to the Presence of Free Product							
	2/13/2019	1.09	Not Sampled Due to the Presence of Free Product							
	3/10/2020	0.31	Not Sampled Due to the Presence of Free Product							
	7/7/2021	0.48	Not Sampled Due to the Presence of Free Product							
	5/10/2022	0.69	Not Sampled Due to the Presence of Free Product							
03439-RW07	5/14/2013	4.99	Not Sampled Due to the Presence of Free Product							
	10/2/2017	0.83	Not Sampled Due to the Presence of Free Product							
	2/13/2019	1.30	Not Sampled Due to the Presence of Free Product							
	3/10/2020	1.44	Not Sampled Due to the Presence of Free Product							
	7/7/2021	0.08	Not Sampled Due to the Presence of Free Product							
	5/10/2022	0.69	Not Sampled Due to the Presence of Free Product							
03439-RW08	5/14/2013	---	430	<50,000	NA	<50,000	250	NA	NA	NA
	10/3/2017	---	<0.20	<6.7	<1.0	<6.7	<0.40	<33	<0.20	<5,000
	2/13/2019	---	<84	<1,600	<400	<1,600	<80	<10,000	<80	<1,600
	3/11/2020	---	<84	<1,600	<400	<80	<80	<10,000	<80	<1,600
	7/7/2021	---	<84	<1,600	<400	120 J	<80	<10,000	<80	<1,600
	5/10/2022	---	49 J	1,300 J	<200	<800	<40	<5,200	<40	<800
03439-RW09	5/14/2013	0.60	Not Sampled Due to the Presence of Free Product							
	10/2/2017	0.04	Not Sampled Due to the Presence of Free Product							
	2/13/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
	3/11/2020	---	<42	<800	<200	<40	<40	<5,200	<40	<800
	7/7/2021	---	<84	<1,600	<400	<80	<80	<10,000	<80	<1,600
	5/10/2022	---	<42	<800	<200	<800	<40	<5,200	<40	<800
03439-RW10	5/14/2013	---	300	<50,000	NA	<50,000	210	NA	NA	NA
	10/3/2017	---	<10.0	<5,000	<189	<362	58.1 J	<13,100	<7.0	<5,000
	2/13/2019	---	1.2 J	13 J	<2.0	<8.0	0.97 J	<52	<0.40	<8.0
	3/11/2020	---	45 J	<800	<200	<40	<40	<5,200	<40	<800
	7/7/2021	---	69 J	630 J	<100	69 J	40 J	<2,600	<20	<400
	5/10/2022	---	42 J	<800	<200	<800	<40	<5,200	<40	<800
03439-RW11	5/14/2013	---	350	<50,000	NA	<50,000	<5,000	NA	NA	NA
	10/2/2017	0.04	Not Sampled Due to the Presence of Free Product							
	2/13/2019	---	130 J	900 J	<200	<800	75 J	<5,200	<40	<800
	3/12/2020	---	96 J	<1,600	<400	<80	<80	<10,000	<80	<1,600
	7/8/2021	---	76 J	940 J	<200	85 J	<40	<5,200	<40	<800
	5/11/2022	---	54 J	<800	<200	<800	<40	<5,200	<40	<800
03439-RW12	5/14/2013	---	390	<20,000	NA	<20,000	240	NA	NA	NA
	10/3/2017	---	<5.0	<2,500	<94.5	<181	17.3 J	<6,550	<3.5	<2,500
	2/13/2019	---	6.1 J	62 J	<10	<40	4.9 J	<260	<2.0	<40
	3/12/2020	---	25 J	<400	<100	<20	<20	<2,600	<20	<400
	7/8/2021	---	52 J	500 J	<100	55 J	26 J	<2,600	<20	<400
	5/10/2022	---	41 J	730 J	<100	<400	25 J	<2,600	<20	<400
03439-RW13	5/14/2013	---	230	<5,000	NA	<5,000	140	NA	NA	NA
	10/3/2017	---	<1.0	<500	<18.9	<36.2	<1.2	<1,310	<0.70	<500
	2/13/2019	---	0.97 J	8.1 J	<2.0	<8.0	1.1 J	<52	<0.40	<8.0
	3/11/2020	---	13 J	170 J	<40	<8.0	<8.0	<1,000	<8.0	<160
	7/7/2021	---	8.0 J	150	<10	12 J	5.6	<260	<2.0	<40
	5/11/2022	---	5.9 J	120 J	<20	<80	<4.0	<520	<4.0	<80
03439-RW14	10/2/2017	0.42	Not Sampled Due to the Presence of Free Product							
	2/13/2019	2.36	Not Sampled Due to the Presence of Free Product							
	3/10/2020	2.45	Not Sampled Due to the Presence of Free Product							
	7/7/2021	0.68	Not Sampled Due to the Presence of Free Product							
	5/10/2022	0.61	Not Sampled Due to the Presence of Free Product							
03439-RW15	10/2/2017	1.09	Not Sampled Due to the Presence of Free Product							
	2/13/2019	0.09	Not Sampled Due to the Presence of Free Product							
	3/10/2020	0.04	Not Sampled Due to the Presence of Free Product							
	7/7/2021	0.08	Not Sampled Due to the Presence of Free Product							
	5/11/2022	---	140 J	1,400 J	<200	<800	71 J	<5,200	<40	<800
03439-RW16	10/2/2017	1.11	Not Sampled Due to the Presence of Free Product							
	2/13/2019	---	<84	<1,600	<400	<1,600	<80	<10,000	<80	<1,600
	3/12/2020	---	<210	<4,000	<1,000	<200	<200	<26,000	<200	<4,000
	7/8/2021	---	250 J	1,600 J	<400	210 J	140 J	<10,000	<80	<1,600
	5/11/2022	---	240 J	4,100	<400	<1600	130 J	<10,000	<80	<1,600

TABLE 2B

Historical Laboratory Analytical Results - 8-Oxygenates
 Former Highway 11 Grocery
 13527 North Highway 11
 Salem, Oconee County, South Carolina
 UST Permit #03439; Cost Agreement #66334
 BLE Project No. J22-10768-08

Well	Date Sampled	Free Product Thickness	Tert-Amyl Methyl Ether (TAME) (µg/L)	Tert-Amyl Alcohol (TAA) (µg/L)	Tert-Butyl Formate (TBF) (µg/L)	Tert-Butyl Alcohol (TBA) (µg/L)	Diisopropyl Ether (IPE) (µg/L)	Ethanol (µg/L)	Ethyl-Tert-Butyl Ether (ETBE) (µg/L)	Ethyl-Tert-Butyl Alcohol (ETBA) (µg/L)
SC DHEC RBSL			128	240	NE	1,400	150	10,000	47	NE
03439-RW17	10/2/2017	NA	Not Located / Not Accessible / Under Fallen Tree							
	2/13/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
	3/12/2020	---	11	700	<2.0	17 J	8.8	<52	<0.40	<8.0
	7/8/2021	---	<84	<1,600	<400	<80	<80	<10,000	<80	<1,600
	5/11/2022	---	<84	3,500 J	<400	<1600	<80	<10,000	<80	<1,600
03439-CK01	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA
	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA
	4/27/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	12/13/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	5/14/2013	---	<10	<100	NA	<100	<5	NA	NA	NA
	10/2/2017	---	<0.10	<50.0	<1.9	<3.6	0.23 J	<131	<0.070	<50.0
	2/13/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
	3/12/2020	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0
	7/7/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0
5/10/2022	---	0.80 J	15 J	<2.0	<8.0	0.42 J	<52	<0.40	<8.0	
03439-CK02	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA
	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA
	4/27/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	12/13/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	5/14/2013	---	<1	8.0	NA	<100	<10	NA	NA	NA
	10/2/2017	---	1.1 J	<50.0	<1.9	<3.6	0.79 J	<131	<0.070	<50.0
	2/13/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
	3/12/2020	---	<0.42	<8.0	<2.0	0.58 J	<0.40	<52	<0.40	<8.0
	7/7/2021	---	<0.42	<8.0	<2.0	0.76 J	<0.40	<52	<0.40	<8.0
5/10/2022	---	<0.42	14 J	<2.0	<8.0	<0.40	<52	<0.40	<8.0	
03439-CK03	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA
	4/27/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	12/13/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	5/14/2013	---	<1	<100	NA	<100	<1	NA	NA	NA
	10/2/2017	---	<0.10	<50.0	<1.9	<3.6	0.72 J	<131	<0.070	<50.0
	2/13/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
	3/12/2020	---	<0.42	<8.0	<2.0	0.59 J	<0.40	<52	<0.40	<8.0
	7/7/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0
5/10/2022	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0	
03439-CK04	2/13/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
	3/12/2020	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0
	7/7/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0
	5/10/2022	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
03436-Seep-1	3/12/2020	---	33 J	<400	<100	<20	<20	<2,600	<20	<400
	7/7/2021	---	Seep Dry							
	5/10/2022	---	Seep Dry							
03439-WW01	5/7/2002	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/1/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	7/30/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2003	---	NA	NA	NA	NA	NA	NA	NA	NA
	3/31/2004	---	NA	NA	NA	NA	NA	NA	NA	NA
	2/14/2008	---	NA	NA	NA	NA	NA	NA	NA	NA
	4/27/2010	NA	Not Sampled							
	12/13/2010	---	<10	<100	NA	<100	<5	NA	NA	NA
	5/14/2013	---	<10	<100	NA	<100	<10	NA	NA	NA
	10/2/2017	---	<0.10	<50.0	<1.9	<3.6	<0.12	<131	<0.070	<50.0
	2/13/2019	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
	3/9/2020	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
	7/8/2021	---	<0.42	<8.0	<2.0	<0.40	<0.40	<52	<0.40	<8.0
5/10/2022	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0	
03439-WW01 Dup	5/10/2022	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
Equipment Blank 01	5/10/2022	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
Equipment Blank 02	5/11/2022	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
Field Blank 01	5/10/2022	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0

TABLE 2B

Historical Laboratory Analytical Results - 8-Oxygenates

Former Highway 11 Grocery
 13527 North Highway 11
 Salem, Oconee County, South Carolina
 UST Permit #03439; Cost Agreement #66334
 BLE Project No. J22-10768-08

Well	Date Sampled	Free Product Thickness	Tert-Amyl Methyl Ether (TAME) (µg/L)	Tert-Amyl Alcohol (TAA) (µg/L)	Tert-Butyl Formate (TBF) (µg/L)	Tert-Butyl Alcohol (TBA) (µg/L)	Diisopropyl Ether (IPE) (µg/L)	Ethanol (µg/L)	Ethyl-Tert-Butyl Ether (ETBE) (µg/L)	Ethyl-Tert-Butyl Alcohol (ETBA) (µg/L)
SC DHEC RBSL			128	240	NE	1,400	150	10,000	47	NE
Field Blank 02	5/11/2022	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
Trip Blank	5/10/2022	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
WSW Field Blank	5/10/2022	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0
WSW Trip Blank	5/10/2022	---	<0.42	<8.0	<2.0	<8.0	<0.40	<52	<0.40	<8.0

Notes:

µg/L = micrograms/liter = approximate Parts Per Billion (ppb)

Historical analytical results obtained from historical reports obtained from SCDHEC FOI search. BLE is not responsible for the accuracy of this data.

Bold values indicate detections

Shaded cells indicate concentrations above RBSLs

RBSL = Risk Based Screening Level

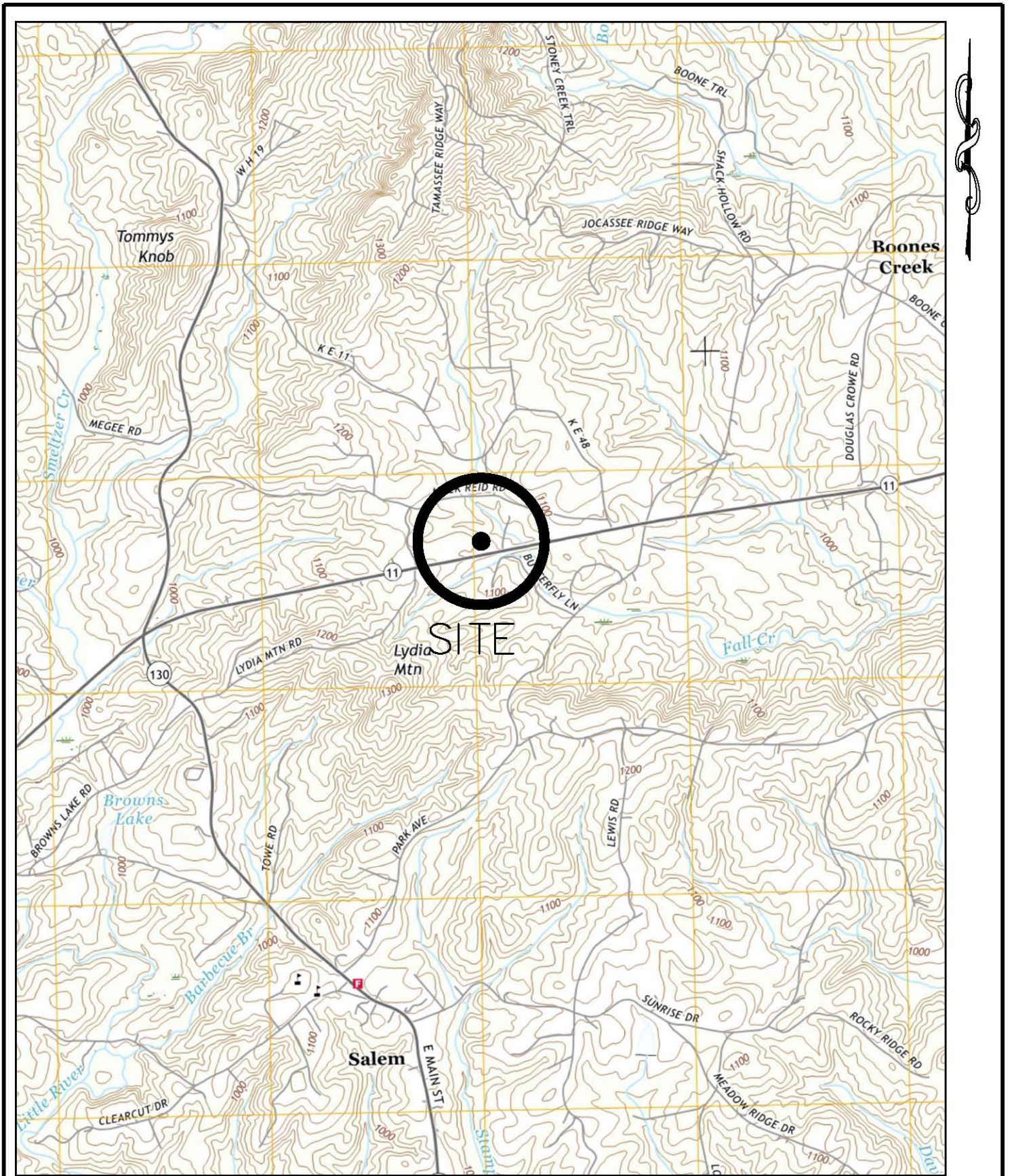
NA = Not Available / Unknown

ND = Not Detected

NE = RBSL has not been established

NS = Not Sampled

FIGURES



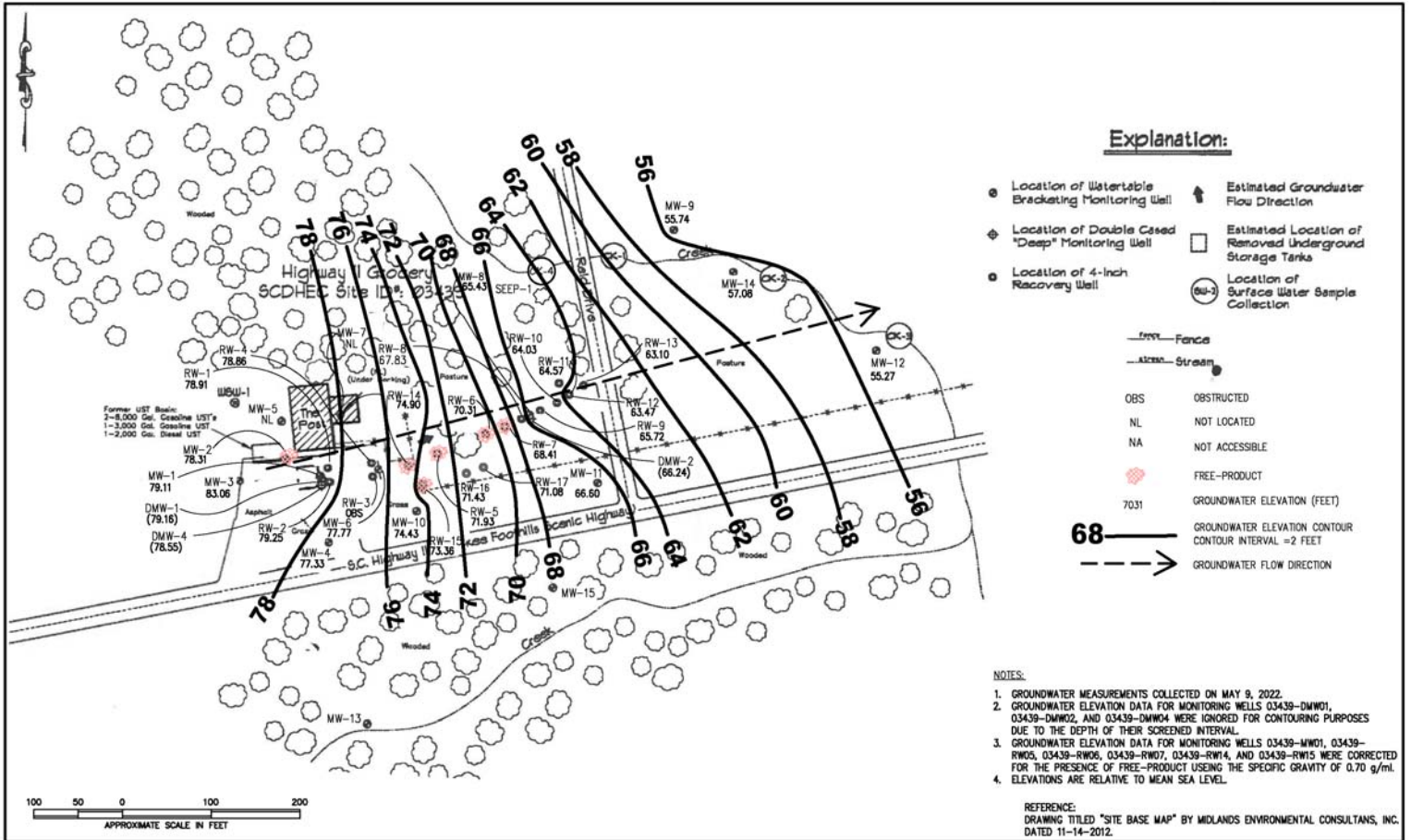
REFERENCE:
 USGS TOPOGRAPHIC MAP, 7.5 MINUTE SERIES,
 SALEM, S.C. QUADRANGLE, PHOTOREVISED 1980.

DRAWN: ACE	DATE: 03-18-22
CHECKED: TJB	CAD: FHWHY11GROCERY-08SLM
APPROVED: TJB	JOB NO: J22-10769-08

BLE | **BUNNELL LAMMONS ENGINEERING**
 6004 Ponders Court, Greenville, SC 29615
 Phone: (864) 288-1265 Fax: (864) 288-4430

SITE LOCATION MAP
 FORMER HIGHWAY 11 GROCERY
 UST PERMIT #03439
 13527 HIGHWAY 11 NORTH
 SALEM, SOUTH CAROLINA

FIGURE
1



DRAWN BY: ACE	DATE: 06-21-22	REVISIONS		BY	 BUNNELL LAMMONS ENGINEERS 6004 Ponders Court, Greenville, SC 29615 Phone: (864) 289-1266 Fax: (864) 289-4420	GROUNDWATER ELEVATION CONTOUR MAP - MAY 2022 FORMER HIGHWAY 11 GROCERY UST PERMIT #03439 13527 HIGHWAY 11 NORTH SALEM, SOUTH CAROLINA	FIGURE 2
CHECKED BY: OLM	FILE: FHWY11GROCERY-08WTM	No.	DESCRIPTION				
APPROVED BY: TJB	JOB NO: J22-10789-08						

APPENDICES

APPENDIX A
DISPOSAL MANIFEST

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <p style="text-align: center;">V 8 Q G</p>		Manifest Document No. <p style="text-align: center;">1 8 9 6 9</p>	2. Page 1 of 1
3. Generator's Name and Mailing Address Burnell-Lansons Engineering, Inc. 16 Carlisle Dr Simpsonville, SC 29681				1500 E Greenville St Anderson, SC 29621	
4. Generator's Phone ()					
5. Transporter 1 Company Name Advanced Environmental Options, Inc		6. US EPA ID Number 3 C R 0 0 0 0 7 4 5 7 5		A. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (864) 488-9111	
9. Designated Facility Name and Site Address Advanced Environmental Options, 25 Stan Perkins Road Spartanburg, SC 29307		10. US EPA ID Number 3 C R 0 0 0 0 7 4 5 7 5		C. State Transporter's ID	
				D. Transporter 2 Phone	
				E. State Facility's ID	
				F. Facility's Phone (864) 488-9111	
11. WASTE DESCRIPTION			Containers		13. Total Quantity
			No.	Type	
a. NON-HAZ/ NON-PCRA REGULATED MATERIALS (Contains Petroleum Contact Water)			1	T T	750 1000 G
b.			0		
c.			0		
d.			0		
G. Additional Descriptions for Materials Listed Above			H. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information a) ERSP: T & U Please Return Original Manifest copy to AEO 25 Stan Perkins Rd., Spartanburg, SC 29307 - PER3 Cust #: 3587 AEO Job #: 20616					
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name				Signature	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date	
Printed/Typed Name Donald Wingo				Signature	
				Month Day Year 6 2 22	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date	
Printed/Typed Name				Signature	
				Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name				Signature	
				Date Month Day Year	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

Site Name	Site Address	Site ID	BLE Job #	Total Gallons
Former Spinx 109	7900 White Horse Rd. Greenville, SC	10992	6797-16	181
Spinx 251/ Former Enmark 270	7853 White Horse Rd. Greenville, SC	10683	7319-12	275
Food Mart 103	1310 Boulevard St. NE, Orangeburg, SC	06897	10683-06	65
Former Lil Cricket 322	4497 Devine St. Columbia, SC	07624	J22-7684-13	15
Herbs Quick Shop (Development)	1436 N. Longstreet Street, Kingstree, SC	09139	J20-11506-04	44
Herbs Quick Shop (Sampling)	1436 N. Longstreet Street, Kingstree, SC	09139	J20-11506-04	152
Cooley's	101 N. Cox Avenue, Calhoun Falls, SC	15132	J20-13560-02	122
Former Tiger Mart	416 Old Greenville Road, Clemson, SC	11311	J22-2946-30	235
Pete Leonards	9484 Augusta Rd., Ware Place, SC	04596	J22-6461-15	573
Food Mart 111 (sampling)	3687 St. Matthews Road, Orangeburg, SC	10633	J21-9044-05	99
Food Mart 111 (development)	3687 St. Matthews Road, Orangeburg, SC	10633	J21-9044-05	95
Former Highway 11 Grocery	13527 North Highway 11, Salem, SC	03439	J22-10768-08	320
Culp Brothers, LLC	212 S. White St., Fort Mill, SC	18761	J22-11928-16	35
Former Miller Oil Company	904 Pinckney St., Greenville, SC	04282	J22-8722-13	16
Total Gallons		2227		

APPENDIX B

**MONITORING WELL PURGING AND SAMPLING FIELD PROCEDURES AND
MONITORING WELL PURGING AND SAMPLING LOGS**



APPENDIX B

MONITORING WELL PURGING AND SAMPLING PROCEDURES

The monitoring wells were purged prior to sample collection to remove any stagnant water from the well so that the samples collected were representative of the groundwater quality in the vicinity of each well. For wells that recovered quickly, a minimum of three volumes of water were evacuated. Specific conductance, pH, water temperature, and turbidity were measured periodically during well evacuation using instruments which were calibrated daily. Wells that were evacuated to dryness with less than three well volumes being removed were sampled as soon as the well had recovered enough to yield sufficient volume for a sample.

The monitoring wells were purged using a 4-foot long by 1.6-inch diameter disposable polyethylene bailer attached to an unused polypropylene cord and/or a 12-volt submersible pump with unused polyethylene tubing. The wells were also sampled using a bailer and/or pump as described above. Necessary efforts were taken to minimize the potential for cross-contamination between wells. For wells sampled with a bailer, a new clean bailer and new cord was used for each well. For wells sampled with a pump, the pump was decontaminated before and after each use and new tubing was used for each well.

Samples were placed in the appropriate laboratory supplied containers and marked with identifying numbers. Samples were maintained at 4°Celsius in a refrigerated sample cooler and shipped to Pace Analytical Services, LLC in West Columbia, South Carolina via courier service for analysis.

INSTRUMENT CALIBRATION AND FREQUENCY QUALITY ASSURANCE / QUALITY CONTROL (QA/QC)

All Instrument Calibration and frequency methods are consistent with the procedures as outlined in BLE’s Annual Contractor Quality Assurance Plan (ACQAP). The following calibration standards were used for calibration purposes on May 10-11, 2022.

Quality Assurance			
pH Sensor:	Oakton 35630-62	Conductivity Sensor:	35630-32
serial no.	324976	serial no.	324976
pH =4.0	4.0	Standard	15,000
pH = 7.0	7.0	Standard	1,413
pH = 10.0	10.0	Standard	447
DO Meter	YSI 60	Standard	84
Standard	0% cal	Turbidity:	1.0-10.0 NTU
Chain of Custody			
Brendan Wright	5/12/22 : 0855	Pace	5/12/22 : 1630

BLE INC

BUNNELL-LAMMONS ENGINEERING, INC

**Field Data Information Sheet for Ground Water Sampling
Division of Underground Storage Tank Management**

Page 1 of 1

Date 6/10/22
 Field Personnel B. Wright
 General weather Conditions clear
 Ambient Air Temperature (°C) 17
 Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
 serial no. 324976 serial no. 324976
 pH = 4.0 4.0 Standard 15,000
 pH = 7.0 7.0 Standard 1,413
 pH = 10.0 10.0 Standard 447
 DO Meter YSI 60 Standard 84
 Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # 03439-MW01
 Well Diameter (D) 2 inch of 30.00 feet(ft)
 conversion factor (C): $3.143 \cdot (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652

*Free Product Thickness 0.45 ft
 Total Well Depth (TWD) 30.00 ft
 Depth to Groundwater (DGW) 24.59 ft
 Length of Water Colum (LWC = TWD-DGW) 5.41 ft
 1 Casing Volume (LWC*C) = X .17 = 0.92 gals
 3 Casing Volumes = 3 X = 2.76 gals
 (Standard Purge Volume)

Total Volume of Water Purged Before Sampling gals

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

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---									
Time (military)										
pH (s.u)										
Specific Conductivity (µS)										
Water Temperature (°C)										
Turbidity (NTU)										
Dissolved Oxygen (mg/l)										

Remarks: Well sampled at _____ on _____

Not Sampled due to presence of 0.45 ft of free phase petroleum

BLE INC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Page 1 of 1

Date 5/10/22
 Field Personnel B. Wright
 General weather Conditions clear
 Ambient Air Temperature (°C) 75° F

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
 serial no. 324976 serial no. 324976
 pH = 4.0 4.0 Standard 15,000
 pH = 7.0 7.0 Standard 1,413
 pH = 10.0 10.0 Standard 447
 DO Meter YSI 60 Standard 84
 Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # 03439-MW02
 Well Diameter (D) 2 inch of 35.00 feet(ft)
 conversion factor (C): $3.143 \cdot (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652

*Free Product Thickness _____ ft
 Total Well Depth (TWD) 35.00 ft
 Depth to Groundwater (DGW) 26.54 ft
 Length of Water Column (LWC = TWD-DGW) 9.46 ft
 1 Casing Volume (LWC * C) = _____ X .17 = 1.61 gals
 3 Casing Volumes = 3 X _____ = 4.82 gals
 (Standard Purge Volume)

*Bailer*Total Volume of Water Purged Before Sampling 5 gals

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

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	2	4	5						
Time (military)	1102	1104	1108	1110						
pH (s.u)	7.88	4.93	4.96	5.03						
Specific Conductivity (µS)	123.9	53.86	52.35	52.01						
Water Temperature (°C)	16.4	15.3	15.4	15.3						
Turbidity (NTU)	13.6	61.5	33.5	9.89						
Dissolved Oxygen (mg/l)	2.9	2.3	2.3	2.2						

Remarks: Well sampled at 1110 on 5/10

BLE INC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Page 1 of 1

Date 5/16/22
 Field Personnel B. Wright
 General weather Conditions clear
 Ambient Air Temperature (°C) 75°F

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: <u>Oakton 35630-62</u>	Conductivity Sensor: <u>35630-32</u>
serial no. <u>324976</u>	serial no. <u>324976</u>
pH = 4.0 <u>4.0</u>	Standard <u>15,000</u>
pH = 7.0 <u>7.0</u>	Standard <u>1,413</u>
pH = 10.0 <u>10.0</u>	Standard <u>447</u>
DO Meter <u>YSI 60</u>	Standard <u>84</u>
Standard <u>0% cal</u>	Turbidity: <u>1.0-10.0 NTU</u>

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # 03439-MW03

Well Diameter (D) 2 inch of 30.00 feet(ft)
 conversion factor (C): $3.143 \cdot (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652

*Free Product Thickness _____ ft
 Total Well Depth (TWD) 30.00 ft
 Depth to Groundwater (DGW) 24.45 ft
 Length of Water Column (LWC = TWD-DGW) 5.55 ft

1 Casing Volume (LWC * C) = _____ X .17 = 0.94 gals
 3 Casing Volumes = 3 X _____ = 2.83 gals
 (Standard Purge Volume)

Bailer

Total Volume of Water Purged Before Sampling 3 gals

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

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	1	2	3						
Time (military)	1124	1126	1130	1132						
pH (s.u)	5.63	5.68	5.69	5.72						
Specific Conductivity (µS)	68.27	75.31	76.92	77.11						
Water Temperature (°C)	14.6	13.5	13.5	13.4						
Turbidity (NTU)	20.1	58.8	26.9	9.95						
Dissolved Oxygen (mg/l)	1.9	1.9	1.8	1.8						

Remarks: Well sampled at 1132 on 5/16/22

BLEINC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Page 1 of 1

Date 5/10/22
 Field Personnel B. Wright
 General weather Conditions clear
 Ambient Air Temperature (°C) 75.0 F

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: <u>Oakton 35630-62</u>	Conductivity Sensor: <u>35630-32</u>
serial no. <u>324976</u>	serial no. <u>324976</u>
pH = 4.0 <u>4.0</u>	Standard <u>15,000</u>
pH = 7.0 <u>7.0</u>	Standard <u>1,413</u>
pH = 10.0 <u>10.0</u>	Standard <u>447</u>
DO Meter <u>YSI 60</u>	Standard <u>84</u>
Standard <u>0% cal</u>	Turbidity: <u>1.0-10.0 NTU</u>

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # 03439-MW04

Well Diameter (D) 2 inch of 35.00 feet(ft)
 conversion factor (C): $3.143 \cdot (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652

*Free Product Thickness _____ ft
 Total Well Depth (TWD) 35.00 ft
 Depth to Groundwater (DGW) 22.57 ft
 Length of Water Column (LWC = TWD-DGW) 12.43 ft

1 Casing Volume (LWC * C) = _____ X .17 = 2.11 gals
 3 Casing Volumes = 3 X _____ = 6.34 gals
 (Standard Purge Volume)

Total Volume of Water Purged Before Sampling 6.5 gals

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

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	2.5	5.0	6.5						
Time (military)	1152	1154	1156	1200						
pH (s.u)	5.98	6.03	6.10	6.16						
Specific Conductivity (µS)	136.4	116.3	116.2	109.8						
Water Temperature (°C)	17.2	15.6	15.6	15.7						
Turbidity (NTU)	15.8	4.3	3.3	4.87						
Dissolved Oxygen (mg/l)	1.5	1.3	1.2	1.1						

 Remarks: Well sampled at 1200 on 5/10/22

BLEINC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Page 1 of 1

Date _____

Field Personnel B. Wright

General weather Conditions _____

Ambient Air Temperature (°C) _____

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: <u>Oakton 35630-62</u>	Conductivity Sensor: <u>35630-32</u>
serial no. <u>324976</u>	serial no. <u>324976</u>
pH = 4.0 <u>4.0</u>	Standard <u>15,000</u>
pH = 7.0 <u>7.0</u>	Standard <u>1,413</u>
pH = 10.0 <u>10.0</u>	Standard <u>447</u>
DO Meter <u>YSI 60</u>	Standard <u>84</u>
Standard <u>0% cal</u>	Turbidity: <u>1.0-10.0 NTU</u>

Chain of Custody

Relinquished by _____	Date/Time _____	Received by _____	Date/Time _____
-----------------------	-----------------	-------------------	-----------------

Well # 03439-MW05

Well Diameter (D) 2 inch of 35.00 feet(ft)

conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

*Free Product Thickness _____ ft

Total Well Depth (TWD) 35.00 ft

Depth to Groundwater (DGW) _____ ft

Length of Water Colum (LWC = TWD-DGW) _____ ft

1 Casing Volume (LWC*C) = _____ X .17 = _____ gals

3 Casing Volumes = 3 X _____ = _____ gals
(Standard Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals

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

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---									
Time (military)										
pH (s.u)										
Specific Conductivity (µS)										
Water Temperature (°C)										
Turbidity (NTU)										
Dissolved Oxygen (mg/l)										

Remarks: Well sampled at _____ on _____ *No. since 2008*

BLE INC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Page 1 of 1

Date 5/10/22
 Field Personnel B. Wright
 General weather Conditions clear
 Ambient Air Temperature (°C) 75° F

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: <u>Oakton 35630-62</u>	Conductivity Sensor: <u>35630-32</u>
serial no. <u>324976</u>	serial no. <u>324976</u>
pH = 4.0 <u>4.0</u>	Standard <u>15,000</u>
pH = 7.0 <u>7.0</u>	Standard <u>1,413</u>
pH = 10.0 <u>10.0</u>	Standard <u>447</u>
DO Meter <u>YSI 60</u>	Standard <u>84</u>
Standard <u>0% cal</u>	Turbidity: <u>1.0-10.0 NTU</u>

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # 03439-MW06

Well Diameter (D) 2 inch of 35.00 feet(ft)
 conversion factor (C): $3.143 \cdot (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652

*Free Product Thickness _____ ft
 Total Well Depth (TWD) 35.00 ft
 Depth to Groundwater (DGW) 22.23 ft
 Length of Water Column (LWC = TWD-DGW) 12.77 ft

1 Casing Volume (LWC * C) = _____ X .17 = 2.17 gals
 3 Casing Volumes = 3 X _____ = 6.51 gals
 (Standard Purge Volume)

~~Permeation~~ Pump

Total Volume of Water Purged Before Sampling 7.0 gals

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

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	2.5	5.0	7.0						
Time (military)	1254	1252	1256	1300						
pH (s.u)	5.71	5.61	5.53	5.55						
Specific Conductivity (µS)	109.42	76.61	77.18	77.99						
Water Temperature (°C)	17.9	15.6	15.7	15.7						
Turbidity (NTU)	23.1	76.8	52.5	2.98						
Dissolved Oxygen (mg/l)	2.2	2.0	2.0	1.9						

Remarks: Well sampled at 1300 on 5/10/22 sdor/mheen
Dup a 1302

BLE INC

BUNNELL-LAMMONS ENGINEERING, INC

**Field Data Information Sheet for Ground Water Sampling
Division of Underground Storage Tank Management**

Date 8/10/22
Field Personnel B. Wright
General weather Conditions Clear
Ambient Air Temperature (°C) 73
Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
serial no. 324976 serial no. 324976
pH = 4.0 4.0 Standard 15,000
pH = 7.0 7.0 Standard 1,413
pH = 10.0 10.0 Standard 447
DO Meter YSI 60 Standard 84
Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

Well # 03439-MW07
Well Diameter (D) 2 inch of 40.00 feet(ft)
conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

*Free Product Thickness _____ ft
Total Well Depth (TWD) 40.00 ft
Depth to Groundwater (DGW) _____ ft
Length of Water Column (LWC = TWD-DGW) _____ ft
1 Casing Volume (LWC*C) = _____ X .17 = _____ gals
3 Casing Volumes = 3 X _____ = _____ gals
(Standard Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals

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

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---									
Time (military)										
pH (s.u)										
Specific Conductivity (µS)										
Water Temperature (°C)										
Turbidity (NTU)										
Dissolved Oxygen (mg/l)										

Remarks: Well sampled at _____ on _____ N.L. Since 2006 (obstructed by deck)

BLE INC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Page 1 of 1

Date 5/10/22
 Field Personnel B. Wright
 General weather Conditions clear
 Ambient Air Temperature (°C) 21

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: <u>Oakton 35630-62</u>	Conductivity Sensor: <u>35630-32</u>
serial no. <u>324976</u>	serial no. <u>324976</u>
pH = 4.0 <u>4.0</u>	Standard <u>15,000</u>
pH = 7.0 <u>7.0</u>	Standard <u>1,413</u>
pH = 10.0 <u>10.0</u>	Standard <u>447</u>
DO Meter <u>YSI 60</u>	Standard <u>84</u>
Standard <u>0% cal</u>	Turbidity: <u>1.0-10.0 NTU</u>

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time
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Well # 03439-MW08

Well Diameter (D) 2 inch of 30.00 feet(ft)
 conversion factor (C): $3.143 \cdot (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652

*Free Product Thickness _____ ft
 Total Well Depth (TWD) 30.00 ft
 Depth to Groundwater (DGW) 20.78 ft
 Length of Water Column (LWC = TWD-DGW) 9.22 ft

1 Casing Volume (LWC * C) = _____ X .17 = 1.57 gals
 3 Casing Volumes = 3 X _____ = 4.70 gals
 (Standard Purge Volume)

Bailed

Total Volume of Water Purged Before Sampling 5.0 gals

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

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	2	4	5						
Time (military)	1358	1406	1402	1406						
pH (s.u)	5.90	5.91	5.82	5.90						
Specific Conductivity (µS)	155.5	157.2	132.4	129.6						
Water Temperature (°C)	16.1	15.8	13.9	13.9						
Turbidity (NTU)	19.6	21.1	32.2	2.90						
Dissolved Oxygen (mg/l)	1.6	1.5	1.4	1.4						

Remarks:

Well sampled at 1406 on 5/10/22 *odol*

BLE INC

BUNNELL-LAMMONS ENGINEERING, INC

**Field Data Information Sheet for Ground Water Sampling
Division of Underground Storage Tank Management**

Page 1 of 1

Date 5/11/22
 Field Personnel B. Wright
 General weather Conditions clear
 Ambient Air Temperature (°C) _____
 Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
 serial no: 324976 serial no. 324976
 pH = 4.0: 4.0 Standard 15,000
 pH = 7.0: 7.0 Standard 1,413
 pH = 10.0: 10.0 Standard 447
 DO Meter YSI 60 Standard 84
 Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # 03439-MW09
 Well Diameter (D) 2 inch of 10.00 feet(ft)
 conversion factor (C): $3.143 \cdot (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652

*Free Product Thickness _____ ft
 Total Well Depth (TWD) 10.00 ft
 Depth to Groundwater (DGW) 2.65 ft
 Length of Water Colum (LWC = TWD-DGW) 7.35 ft
 1 Casing Volume (LWC * C) = _____ X .17 = 1.25 gals
 3 Casing Volumes = 3 X _____ = 3.75 gals
 (Standard Purge Volume)

Bailer
 Total Volume of Water Purged Before Sampling 4 gals

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

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	1.5	2.5	4						
Time (military)	1015	1020	1025	1030						
pH (s.u)	5.75	6.87	6.81	6.75						
Specific Conductivity (µS)	54.73	44.14	44.31	44.37						
Water Temperature (°C)	15.3	14.9	14.9	15.0						
Turbidity (NTU)	21.7	20.4	24.2	21.7						
Dissolved Oxygen (mg/l)	3.4	3.6	3.5	3.6						

Remarks: Well sampled at 1030 on 5/11/22

BLEINC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Page 1 of 1

<p>Date <u>5/11/22</u></p> <p>Field Personnel <u>B. Wright</u></p> <p>General weather Conditions <u>Clear</u></p> <p>Ambient Air Temperature (°C) <u>27</u></p> <p>Facility Name: <u>Former Highway 11 Grocery</u> Site ID# <u>03439</u></p> <p style="text-align: center;">Quality Assurance</p> <p>pH Sensor: <u>Oakton 35630-62</u> Conductivity Sensor: <u>35630-32</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td>serial no. <u>324976</u></td> <td>serial no. <u>324976</u></td> </tr> <tr> <td>pH = 4.0 <u>4.0</u></td> <td>Standard <u>15,000</u></td> </tr> <tr> <td>pH = 7.0 <u>7.0</u></td> <td>Standard <u>1,413</u></td> </tr> <tr> <td>pH = 10.0 <u>10.0</u></td> <td>Standard <u>447</u></td> </tr> <tr> <td>DO Meter <u>YSI 60</u></td> <td>Standard <u>84</u></td> </tr> <tr> <td>Standard <u>0% cal</u></td> <td>Turbidity: <u>1.0-10.0 NTU</u></td> </tr> </table> <p style="text-align: center;">Chain of Custody</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td>Relinquished by</td> <td>Date/Time</td> <td>Received by</td> <td>Date/Time</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	serial no. <u>324976</u>	serial no. <u>324976</u>	pH = 4.0 <u>4.0</u>	Standard <u>15,000</u>	pH = 7.0 <u>7.0</u>	Standard <u>1,413</u>	pH = 10.0 <u>10.0</u>	Standard <u>447</u>	DO Meter <u>YSI 60</u>	Standard <u>84</u>	Standard <u>0% cal</u>	Turbidity: <u>1.0-10.0 NTU</u>	Relinquished by	Date/Time	Received by	Date/Time					<p>Well # <u>03439-MW10</u></p> <p>Well Diameter (D) <u>2</u> inch of <u>28.00</u> feet(ft)</p> <p>conversion factor (C): $3.143 \cdot (D/2)^2$ for a 2 inch well C = 0.163 for a 4 inch well C = 0.652</p> <p>*Free Product Thickness _____ ft</p> <p>Total Well Depth (TWD) <u>28.00</u> ft</p> <p>Depth to Groundwater (DGW) <u>19.38</u> ft</p> <p>Length of Water Column (LWC = TWD-DGW) <u>8.62</u> ft</p> <p>1 Casing Volume (LWC * C) = _____ X .17 = <u>1.47</u> gals</p> <p>3 Casing Volumes = 3 X _____ = <u>4.40</u> gals (Standard Purge Volume)</p> <p style="font-size: 2em; font-family: cursive; text-align: center;">Bailer</p> <p>Total Volume of Water Purged Before Sampling <u>4.5</u> gals</p> <p>*If free product is present over 1/8 inch, sampling will not be required.</p>
serial no. <u>324976</u>	serial no. <u>324976</u>																				
pH = 4.0 <u>4.0</u>	Standard <u>15,000</u>																				
pH = 7.0 <u>7.0</u>	Standard <u>1,413</u>																				
pH = 10.0 <u>10.0</u>	Standard <u>447</u>																				
DO Meter <u>YSI 60</u>	Standard <u>84</u>																				
Standard <u>0% cal</u>	Turbidity: <u>1.0-10.0 NTU</u>																				
Relinquished by	Date/Time	Received by	Date/Time																		

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	1.5	3.0	4.5						
Time (military)	1420	1424	1427	1430						
pH (s.u)	5.79	5.83	5.92	5.90						
Specific Conductivity (µS)	95.18	99.66	102.8	104.9						
Water Temperature (°C)	18.2	17.1	16.8	17.8						
Turbidity (NTU)	20.6	77.9	34.9	9.70						
Dissolved Oxygen (mg/l)	3.8	3.8	3.6	3.5						

Remarks: Well sampled at 1430 on 5/11/22

BLEINC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Page 1 of 1

Date 5/10/22
 Field Personnel B. Wright
 General weather Conditions clear
 Ambient Air Temperature (°C) 25
 Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor:	<u>Oakton 35630-62</u>	Conductivity Sensor:	<u>35630-32</u>
serial no.	<u>324976</u>	serial no.	<u>324976</u>
pH = 4.0	<u>4.0</u>	Standard	<u>15,000</u>
pH = 7.0	<u>7.0</u>	Standard	<u>1,413</u>
pH = 10.0	<u>10.0</u>	Standard	<u>447</u>
DO Meter	<u>YSI 60</u>	Standard	<u>84</u>
Standard	<u>0% cal</u>	Turbidity:	<u>1.0-10.0 NTU</u>

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time
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Well # 03439-MW11
 Well Diameter (D) 2 inch of 23.00 feet(ft)
 conversion factor (C): $3.143 \cdot (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652

*Free Product Thickness _____ ft
 Total Well Depth (TWD) 23.00 ft
 Depth to Groundwater (DGW) 16.60 ft
 Length of Water Column (LWC = TWD-DGW) 6.40 ft
 1 Casing Volume (LWC * C) = _____ X .17 = 1.09 gals
 3 Casing Volumes = 3 X _____ = 3.26 gals
 (Standard Purge Volume)

*Bailer*Total Volume of Water Purged Before Sampling 3.5 gals

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

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	<u>1.5</u>	<u>2.5</u>	<u>3.5</u>						
Time (military)	<u>1507</u>	<u>1509</u>	<u>1511</u>	<u>1513</u>						
pH (s.u)	<u>6.29</u>	<u>5.43</u>	<u>5.46</u>	<u>5.825</u>						
Specific Conductivity (µS)	<u>59.74</u>	<u>61.02</u>	<u>62.009</u>	<u>63.74</u>						
Water Temperature (°C)	<u>14.0</u>	<u>14.1</u>	<u>14.7</u>	<u>15.0</u>						
Turbidity (NTU)	<u>19.7</u>	<u>26.3</u>	<u>28.3</u>	<u>9.90</u>						
Dissolved Oxygen (mg/l)	<u>3.9</u>	<u>3.4</u>	<u>3.1</u>	<u>3.1</u>						

Remarks: Well sampled at 1513 on 5/10/22

BLE INC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Page 1 of 1

<p>Date: <u>5/10/22</u></p> <p>Field Personnel: <u>B. Wright</u></p> <p>General weather Conditions: <u>clear</u></p> <p>Ambient Air Temperature (°C): <u>25</u></p> <p>Facility Name: <u>Former Highway 11 Grocery</u> Site ID#: <u>03439</u></p> <p style="text-align: center;">Quality Assurance</p> <table style="width: 100%;"> <tr> <td style="width: 50%;">pH Sensor: <u>Oakton 35630-62</u></td> <td style="width: 50%;">Conductivity Sensor: <u>35630-32</u></td> </tr> <tr> <td>serial no. <u>324976</u></td> <td>serial no. <u>324976</u></td> </tr> <tr> <td>pH = 4.0 <u>4.0</u></td> <td>Standard <u>15,000</u></td> </tr> <tr> <td>pH = 7.0 <u>7.0</u></td> <td>Standard <u>1,413</u></td> </tr> <tr> <td>pH = 10.0 <u>10.0</u></td> <td>Standard <u>447</u></td> </tr> <tr> <td>DO Meter <u>YSI 60</u></td> <td>Standard <u>84</u></td> </tr> <tr> <td>Standard <u>0% cal</u></td> <td>Turbidity: <u>1.0-10.0 NTU</u></td> </tr> </table> <p style="text-align: center;">Chain of Custody</p> <table style="width: 100%;"> <tr> <td>Relinquished by</td> <td>Date/Time</td> <td>Received by</td> <td>Date/Time</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	pH Sensor: <u>Oakton 35630-62</u>	Conductivity Sensor: <u>35630-32</u>	serial no. <u>324976</u>	serial no. <u>324976</u>	pH = 4.0 <u>4.0</u>	Standard <u>15,000</u>	pH = 7.0 <u>7.0</u>	Standard <u>1,413</u>	pH = 10.0 <u>10.0</u>	Standard <u>447</u>	DO Meter <u>YSI 60</u>	Standard <u>84</u>	Standard <u>0% cal</u>	Turbidity: <u>1.0-10.0 NTU</u>	Relinquished by	Date/Time	Received by	Date/Time					<p>Well # <u>03439-MW12</u></p> <p>Well Diameter (D) <u>2</u> inch of <u>12.00</u> feet(ft)</p> <p>conversion factor (C): $3.143 \cdot (D/2)^2$ for a 2 inch well C = 0.163 for a 4 inch well C = 0.652</p> <p>*Free Product Thickness _____ ft</p> <p>Total Well Depth (TWD) <u>12.00</u> ft</p> <p>Depth to Groundwater (DGW) <u>3.42</u> ft</p> <p>Length of Water Colum (LWC = TWD-DGW) <u>8.58</u> ft</p> <p>1 Casing Volume (LWC * C) = _____ X .17 = <u>1.46</u> gals</p> <p>3 Casing Volumes = 3 X _____ = <u>4.38</u> gals (Standard Purge Volume)</p> <p style="text-align: center;"><i>Barker</i></p> <p>Total Volume of Water Purged Before Sampling <u>4.5</u> gals</p> <p>*If free product is present over 1/8 inch, sampling will not be required.</p>
pH Sensor: <u>Oakton 35630-62</u>	Conductivity Sensor: <u>35630-32</u>																						
serial no. <u>324976</u>	serial no. <u>324976</u>																						
pH = 4.0 <u>4.0</u>	Standard <u>15,000</u>																						
pH = 7.0 <u>7.0</u>	Standard <u>1,413</u>																						
pH = 10.0 <u>10.0</u>	Standard <u>447</u>																						
DO Meter <u>YSI 60</u>	Standard <u>84</u>																						
Standard <u>0% cal</u>	Turbidity: <u>1.0-10.0 NTU</u>																						
Relinquished by	Date/Time	Received by	Date/Time																				

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	<u>1.5</u>	<u>3</u>	<u>4.5</u>						
Time (military)	<u>1547</u>	<u>1552</u>	<u>1555</u>	<u>1558</u>						
pH (s.u)	<u>5.67</u>	<u>5.52</u>	<u>5.30</u>	<u>5.25</u>						
Specific Conductivity (µS)	<u>56.81</u>	<u>57.04</u>	<u>56.29</u>	<u>54.57</u>						
Water Temperature (°C)	<u>13.2</u>	<u>13.0</u>	<u>12.3</u>	<u>14.0</u>						
Turbidity (NTU)	<u>10.9</u>	<u>11.3</u>	<u>11.4</u>	<u>9.88</u>						
Dissolved Oxygen (mg/l)	<u>3.7</u>	<u>3.7</u>	<u>3.7</u>	<u>3.7</u>						

Remarks: Well sampled at 1658 on 5/10/22

BLE INC

BUNNELL-LAMMONS ENGINEERING, INC

**Field Data Information Sheet for Ground Water Sampling
Division of Underground Storage Tank Management**

Date 5/11/12
Field Personnel B. Wright
General weather Conditions clear
Ambient Air Temperature (°C) 20
Facility Name: Former Highway 11 Grocery Site ID# 03439

Well # 03439-MW13
Well Diameter (D) 2 inch of 12.00 feet(ft)
conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

Quality Assurance
pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
serial no. 324976 serial no. 324976
pH = 4.0 4.0 Standard 15,000
pH = 7.0 7.0 Standard 1,413
pH = 10.0 10.0 Standard 447
DO Meter YSI 60 Standard 84
Standard 0% cal Turbidity: 1.0-10.0 NTU

*Free Product Thickness _____ ft
Total Well Depth (TWD) 12.00 ft
Depth to Groundwater (DGW) 3.72 ft
Length of Water Colum (LWC = TWD-DGW) 8.28 ft
1 Casing Volume (LWC*C) = _____ X .17 = 1.41 gals
3 Casing Volumes = 3 X _____ = 4.22 gals
(Standard Purge Volume)

Barrel

Total Volume of Water Purged Before Sampling 4.5 gals
*If free product is present over 1/8 inch, sampling will not be required.

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	1.5	3	4.5						
Time (military)	1121	1124	1127	1130						
pH (s.u)	5.43	5.54	5.81	5.69						
Specific Conductivity (µS)	84.67	70.46	69.42	68.92						
Water Temperature (°C)	15.7	14.6	14.6	14.5						
Turbidity (NTU)	17.3	59.2	25.6	4.82						
Dissolved Oxygen (mg/l)	3.9	3.6	3.5	3.7						

Remarks: Well sampled at 1130 on 5/11/12

BLE INC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Page 1 of 1

Date 5/11/22
 Field Personnel B. Wright
 General weather Conditions Clear
 Ambient Air Temperature (°C) _____
 Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: <u>Oakton 35630-62</u>	Conductivity Sensor: <u>35630-32</u>
serial no. <u>324976</u>	serial no. <u>324976</u>
pH = 4.0 <u>4.0</u>	Standard <u>15,000</u>
pH = 7.0 <u>7.0</u>	Standard <u>1,413</u>
pH = 10.0 <u>10.0</u>	Standard <u>447</u>
DO Meter <u>YSI 60</u>	Standard <u>84</u>
Standard <u>0% cal</u>	Turbidity: <u>1.0-10.0 NTU</u>

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time
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Well # 03439-MW14
 Well Diameter (D) 2 inch of 10.00 feet(ft)
 conversion factor (C): $3.143 \cdot (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652

*Free Product Thickness _____ ft
 Total Well Depth (TWD) 10.00 ft
 Depth to Groundwater (DGW) 2.11 ft
 Length of Water Column (LWC = TWD-DGW) 7.89 ft

1 Casing Volume (LWC * C) = _____ X .17 = 1.34 gals
 3 Casing Volumes = 3 X _____ = 4.02 gals
 (Standard Purge Volume)

Bailer

Total Volume of Water Purged Before Sampling 4.5 gals

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

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	1.5	3	4.5						
Time (military)	1047	1052	1057	1100						
pH (s.u)	5.94	5.84	5.97	5.99						
Specific Conductivity (µS)	90.33	94.88	97.33	100.2						
Water Temperature (°C)	15.8	14.3	14.16	14.8						
Turbidity (NTU)	2.1	59.9	18.4	9.45						
Dissolved Oxygen (mg/l)	4.0	3.5	3.3	3.3						

Remarks: Well sampled at 1100 on 5/11/22

BLE INC

BUNNELL-LAMMONS ENGINEERING, INC

**Field Data Information Sheet for Ground Water Sampling
Division of Underground Storage Tank Management**

Date 5/11/22
Field Personnel B. Wright
General weather Conditions Clear
Ambient Air Temperature (°C) 21
Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance
pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
serial no. 324976 serial no. 324976
pH = 4.0 4.0 Standard 15,000
pH = 7.0 7.0 Standard 1,413
pH = 10.0 10.0 Standard 447
DO Meter YSI 60 Standard 84
Standard 0% cal Turbidity: 1.0-10.0 NTU
Chain of Custody

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

Well # 03439-MW15
Well Diameter (D) 2 inch of 9.00 feet(ft)
conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652
*Free Product Thickness _____ ft
Total Well Depth (TWD) 9.00 ft
Depth to Groundwater (DGW) _____ ft
Length of Water Column (LWC = TWD-DGW) _____ ft
1 Casing Volume (LWC*C) = _____ X .17 = _____ gals
3 Casing Volumes = 3 X _____ = _____ gals
(Standard Purge Volume)
Total Volume of Water Purged Before Sampling _____ gals
*If free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---									
Time (military)										
pH (s.u)										
Specific Conductivity (µS)										
Water Temperature (°C)										
Turbidity (NTU)										
Dissolved Oxygen (mg/l)										

Remarks: Well sampled at _____ on _____ Well not sampled. Well Dry

BLE INC

BUNNELL-LAMMONS ENGINEERING, INC

**Field Data Information Sheet for Ground Water Sampling
Division of Underground Storage Tank Management**

Date 5/10/22
 Field Personnel B. Wright
 General weather Conditions clear
 Ambient Air Temperature (°C) 17
 Facility Name: Former Highway 11 Grocery Site ID# 03439
 Quality Assurance
 pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
 serial no. 324976 serial no. 324976
 pH = 4.0 4.0 Standard 15,000
 pH = 7.0 7.0 Standard 1,413
 pH = 10.0 10.0 Standard 447
 DO Meter YSI 60 Standard 84
 Standard 0% cal Turbidity: 1.0-10.0 NTU
 Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # 03439-DMW01
 Well Diameter (D) 2 inch of 45.00 feet(ft)
 conversion factor (C): $3.143 \cdot (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652
 *Free Product Thickness _____ ft
 Total Well Depth (TWD) 45.00 ft
 Depth to Groundwater (DGW) 24.11 ft
 Length of Water Colum (LWC = TWD-DGW) 20.89 ft
 1 Casing Volume (LWC*C) = _____ X .17 = 3.55 gals
 3 Casing Volumes = 3 X _____ = 10.65 gals
 (Standard Purge Volume)
 Pump
 Total Volume of Water Purged Before Sampling 71 gals
 *If free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	4	7.8	11						
Time (military)	0955	1000	1005	1010						
pH (s.u)	8.08	8.80	8.20	8.10						
Specific Conductivity (µS)	5158	49.15	46.64	46.45						
Water Temperature (°C)	16.3	15.3	15.0	14.9						
Turbidity (NTU)	27.2	6.1	25.8	9.95						
Dissolved Oxygen (mg/l)	2.9	2.6	2.5	2.6						

Remarks: Well sampled at 1010 on 5/10/22

BLE INC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Page 1 of 1

Date 5/10/12
 Field Personnel B. Wright
 General weather Conditions cloud
 Ambient Air Temperature (°C) 70
 Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
 serial no. 324976 serial no. 324976
 pH = 4.0 4.0 Standard 15,000
 pH = 7.0 7.0 Standard 1,413
 pH = 10.0 10.0 Standard 447
 DO Meter YSI 60 Standard 84
 Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # 03439-DMW02
 Well Diameter (D) 2 inch of 75.00 feet(ft)
 conversion factor (C): $3.143 \cdot (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652

*Free Product Thickness _____ ft
 Total Well Depth (TWD) 75.00 ft
 Depth to Groundwater (DGW) 19.97 ft
 Length of Water Column (LWC = TWD-DGW) 55.03 ft
 1 Casing Volume (LWC * C) = _____ X .17 = 9.36 gals
 3 Casing Volumes = 3 X _____ = 28.07 gals
 (Standard Purge Volume)

Pump
 Total Volume of Water Purged Before Sampling 29 gals

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

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	<u>10</u>	<u>19</u>	<u>29</u>						
Time (military)	<u>1325</u>	<u>1323</u>	<u>1327</u>	<u>1331</u>						
pH (s.u)	<u>6.35</u>	<u>6.23</u>	<u>6.14</u>	<u>6.11</u>						
Specific Conductivity (µS)	<u>106.2</u>	<u>76.83</u>	<u>76.12</u>	<u>79.62</u>						
Water Temperature (°C)	<u>15.2</u>	<u>15.6</u>	<u>15.6</u>	<u>15.5</u>						
Turbidity (NTU)	<u>16.4</u>	<u>162</u>	<u>48.9</u>	<u>9.92</u>						
Dissolved Oxygen (mg/l)	<u>2.4</u>	<u>2.0</u>	<u>2.0</u>	<u>2.0</u>						

Remarks: Well sampled at 1331 on 5/10/12

BLEINC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Page 1 of 1

Date 5/10/22
 Field Personnel B. Wright
 General weather Conditions clear
 Ambient Air Temperature (°C) 16
 Facility Name: Former Highway 11 Grocery Site ID# 03439

Well # 03439-DMW04
 Well Diameter (D) 2 inch of 60.00 feet(ft)
 conversion factor (C): $3.143 \cdot (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652

Quality Assurance
 pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
 serial no. 324976 serial no. 324976
 pH = 4.0 4.0 Standard 15,000
 pH = 7.0 7.0 Standard 1,413
 pH = 10.0 10.0 Standard 447
 DO Meter YSI 60 Standard 84
 Standard 0% cal Turbidity: 1.0-10.0 NTU

*Free Product Thickness _____ ft
 Total Well Depth (TWD) 60.00 ft
 Depth to Groundwater (DGW) 24.67 ft
 Length of Water Column (LWC = TWD-DGW) 35.33 ft
 1 Casing Volume (LWC * C) = _____ X .17 = 6.01 gals
 3 Casing Volumes = 3 X _____ = 18.02 gals
 (Standard Purge Volume)

Pump

Total Volume of Water Purged Before Sampling 18.5 gals

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

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	<u>6.5</u>	<u>12.5</u>	<u>18.5</u>						
Time (military)	<u>1043</u>	<u>1049</u>	<u>1055</u>	<u>1101</u>						
pH (s.u)	<u>5.77</u>	<u>5.54</u>	<u>5.55</u>	<u>5.47</u>						
Specific Conductivity (µS)	<u>69.98</u>	<u>66.06</u>	<u>64.86</u>	<u>64.98</u>						
Water Temperature (°C)	<u>15.4</u>	<u>14.5</u>	<u>14.4</u>	<u>14.2</u>						
Turbidity (NTU)	<u>28.4</u>	<u>17.8</u>	<u>31.3</u>	<u>9.58</u>						
Dissolved Oxygen (mg/l)	<u>3.2</u>	<u>3.0</u>	<u>2.9</u>	<u>2.8</u>						

Remarks: Well sampled at 1101 on 5/10/22

BLE INC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Page 1 of 1

Date 5/10/22
 Field Personnel B. Wright
 General weather Conditions clear
 Ambient Air Temperature (°C) 17

Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: <u>Oakton 35630-62</u>	Conductivity Sensor: <u>35630-32</u>
serial no. <u>324976</u>	serial no. <u>324976</u>
pH = 4.0 <u>4.0</u>	Standard <u>15,000</u>
pH = 7.0 <u>7.0</u>	Standard <u>1,413</u>
pH = 10.0 <u>10.0</u>	Standard <u>447</u>
DO Meter <u>YSI 60</u>	Standard <u>84</u>
Standard <u>0% cal</u>	Turbidity: <u>1.0-10.0 NTU</u>

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time
-----------------	-----------	-------------	-----------

Well # 03439-RW01

Well Diameter (D) 2 inch of 30.00 feet(ft)
 conversion factor (C): $3.143 \cdot (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652

*Free Product Thickness _____ ft
 Total Well Depth (TWD) 30.00 ft
 Depth to Groundwater (DGW) 24.38 ft
 Length of Water Column (LWC = TWD-DGW) 5.62 ft

1 Casing Volume (LWC * C) = _____ X .65 = 3.65 gals
 3 Casing Volumes = 3 X _____ = 10.96 gals
 (Standard Purge Volume)

Pump

Total Volume of Water Purged Before Sampling _____ gals

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

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	1	7.5	11	15					
Time (military)	910	915	920	925	930					
pH (s.u)	5.58	5.55	5.56	5.55	5.56					
Specific Conductivity (µS)	102.2	103.4	105.0	103.2	92.46					
Water Temperature (°C)	15.7	15.4	15.6	15.6	15.6					
Turbidity (NTU)	87.3	58.3	60.3	27.3	9.94					
Dissolved Oxygen (mg/l)	3.8	3.4	3.3	3.2	3.3					

Remarks: Well sampled at 930 on 5/10/22 *odor*

BLE INC

BUNNELL-LAMMONS ENGINEERING, INC

**Field Data Information Sheet for Ground Water Sampling
Division of Underground Storage Tank Management**

Page 1 of 1

Date 5/10/22
Field Personnel B. Wright
General weather Conditions Clear
Ambient Air Temperature (°C) 19
Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance
pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
serial no. 324976 serial no. 324976
pH = 4.0 4.0 Standard 15,000
pH = 7.0 7.0 Standard 1,413
pH = 10.0 10.0 Standard 447
DO Meter YSI 60 Standard 84
Standard 0% cal Turbidity: 1.0-10.0 NTU
Chain of Custody

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

Well # 03439-RW02
Well Diameter (D) 2 inch of 30.00 feet(ft)
conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652
*Free Product Thickness 0.03 ft
Total Well Depth (TWD) 30.00 ft
Depth to Groundwater (DGW) 23.60 ft
Length of Water Column (LWC = TWD-DGW) 6.40 ft
1 Casing Volume (LWC * C) = _____ X .65 = 4.16 gals
3 Casing Volumes = 3 X _____ = 12.48 gals
(Standard Purge Volume)
Pump
Total Volume of Water Purged Before Sampling 12.5 gals
*If free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	<u>1.5</u>	<u>5.05</u>	<u>12.5</u>						
Time (military)	<u>1109</u>	<u>1113</u>	<u>1119</u>	<u>1123</u>						
pH (s.u)	<u>5.33</u>	<u>5.22</u>	<u>5.34</u>	<u>5.22</u>						
Specific Conductivity (µS)	<u>59.01</u>	<u>76.49</u>	<u>76.33</u>	<u>79.14</u>						
Water Temperature (°C)	<u>15.4</u>	<u>15.3</u>	<u>15.0</u>	<u>15.8</u>						
Turbidity (NTU)	<u>24.2</u>	<u>76.2</u>	<u>33.9</u>	<u>49.5</u>						
Dissolved Oxygen (mg/l)	<u>2.8</u>	<u>2.5</u>	<u>2.4</u>	<u>2.4</u>						

Remarks: Well sampled at 1123 on 5/10/22 odor, film Dup @ 1125 on 5/10/22

BLEINC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Page 1 of 1

<p>Date: <u>5/10/22</u></p> <p>Field Personnel: <u>B. Wright</u></p> <p>General weather Conditions: <u>Clear</u></p> <p>Ambient Air Temperature (°C): <u>19</u></p> <p>Facility Name: <u>Former Highway 11 Grocery</u> Site ID#: <u>03439</u></p> <p style="text-align: center;">Quality Assurance</p> <table style="width: 100%;"> <tr> <td>pH Sensor: <u>Oakton 35630-62</u></td> <td>Conductivity Sensor: <u>35630-32</u></td> </tr> <tr> <td>serial no. <u>324976</u></td> <td>serial no. <u>324976</u></td> </tr> <tr> <td>pH = 4.0 <u>4.0</u></td> <td>Standard <u>15,000</u></td> </tr> <tr> <td>pH = 7.0 <u>7.0</u></td> <td>Standard <u>1,413</u></td> </tr> <tr> <td>pH = 10.0 <u>10.0</u></td> <td>Standard <u>447</u></td> </tr> <tr> <td>DO Meter <u>YSI 60</u></td> <td>Standard <u>84</u></td> </tr> <tr> <td>Standard <u>0% cal</u></td> <td>Turbidity: <u>1.0-10.0 NTU</u></td> </tr> </table> <p style="text-align: center;">Chain of Custody</p> <table style="width: 100%;"> <tr> <td>Relinquished by</td> <td>Date/Time</td> <td>Received by</td> <td>Date/Time</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	pH Sensor: <u>Oakton 35630-62</u>	Conductivity Sensor: <u>35630-32</u>	serial no. <u>324976</u>	serial no. <u>324976</u>	pH = 4.0 <u>4.0</u>	Standard <u>15,000</u>	pH = 7.0 <u>7.0</u>	Standard <u>1,413</u>	pH = 10.0 <u>10.0</u>	Standard <u>447</u>	DO Meter <u>YSI 60</u>	Standard <u>84</u>	Standard <u>0% cal</u>	Turbidity: <u>1.0-10.0 NTU</u>	Relinquished by	Date/Time	Received by	Date/Time					<p>Well # <u>03439-RW03</u></p> <p>Well Diameter (D) <u>2</u> inch of <u>30.00</u> feet(ft)</p> <p>conversion factor (C): $3.143 \cdot (D/2)^2$ for a 2 inch well C = 0.163 for a 4 inch well C = 0.652</p> <p>*Free Product Thickness _____ ft</p> <p>Total Well Depth (TWD) <u>30.00</u> ft</p> <p>Depth to Groundwater (DGW) <u>21.44</u> ft</p> <p>Length of Water Column (LWC = TWD-DGW) <u>8.56</u> ft</p> <p>1 Casing Volume (LWC * C) = _____ X .65 = <u>5.56</u> gals</p> <p>3 Casing Volumes = 3 X _____ = <u>16.69</u> gals (Standard Purge Volume)</p> <p style="text-align: center;"><i>Pump</i></p> <p>Total Volume of Water Purged Before Sampling _____ gals</p> <p>*If free product is present over 1/8 inch, sampling will not be required.</p>
pH Sensor: <u>Oakton 35630-62</u>	Conductivity Sensor: <u>35630-32</u>																						
serial no. <u>324976</u>	serial no. <u>324976</u>																						
pH = 4.0 <u>4.0</u>	Standard <u>15,000</u>																						
pH = 7.0 <u>7.0</u>	Standard <u>1,413</u>																						
pH = 10.0 <u>10.0</u>	Standard <u>447</u>																						
DO Meter <u>YSI 60</u>	Standard <u>84</u>																						
Standard <u>0% cal</u>	Turbidity: <u>1.0-10.0 NTU</u>																						
Relinquished by	Date/Time	Received by	Date/Time																				

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	<u>6</u>	<u>11.5</u>	<u>17</u>						
Time (military)										
pH (s.u)										
Specific Conductivity (µS)										
Water Temperature (°C)										
Turbidity (NTU)										
Dissolved Oxygen (mg/l)										

Remarks: Well sampled at on Well not sampled - obstructed @ 25'

BLE INC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Page 1 of 1

Date 5/10/22
 Field Personnel B. Wright
 General weather Conditions clear
 Ambient Air Temperature (°C) 19
 Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
 serial no. 324976 serial no. 324976
 pH = 4.0 4.0 Standard 15,000
 pH = 7.0 7.0 Standard 1,413
 pH = 10.0 10.0 Standard 447
 DO Meter YSI 60 Standard 84
 Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

Well # 03439-RW04
 Well Diameter (D) 2 inch of 30.00 feet(ft)
 conversion factor (C): $3.143 \cdot (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652

*Free Product Thickness _____ ft
 Total Well Depth (TWD) 30.00 ft
 Depth to Groundwater (DGW) 22.14 ft
 Length of Water Column (LWC = TWD-DGW) 7.86 ft
 1 Casing Volume (LWC * C) = _____ X .65 = 5.11 gals
 3 Casing Volumes = 3 X _____ = 15.33 gals
 (Standard Purge Volume)

*Pump*Total Volume of Water Purged Before Sampling 15.5 gals

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

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	5.5	10.5	15.5						
Time (military)	1153	1167	1201	1207						
pH (s.u)	5.64	5.42	5.39	5.32						
Specific Conductivity (µS)	89.44	60.45	60.25	59.09						
Water Temperature (°C)	14.8	14.9	14.9	15.2						
Turbidity (NTU)	36.8	84.7	41.6	7.77						
Dissolved Oxygen (mg/l)	3.9	3.6	5.7	3.7						

Remarks: Well sampled at 1207 on 5/10/22

BLEINC

BUNNELL-LAMMONS ENGINEERING, INC

**Field Data Information Sheet for Ground Water Sampling
Division of Underground Storage Tank Management**

Date 5/10/22
Field Personnel B. Wright
General weather Conditions Clear
Ambient Air Temperature (°C) 18
Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance
pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
serial no. 324976 serial no. 324976
pH = 4.0 4.0 Standard 15,000
pH = 7.0 7.0 Standard 1,413
pH = 10.0 10.0 Standard 447
DO Meter YSI 60 Standard 84
Standard 0% cal Turbidity: 1.0-10.0 NTU
Chain of Custody

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

Well # 03439-RW05
Well Diameter (D) 2 inch of 30.00 feet(ft)
conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652
*Free Product Thickness 0.20 ft
Total Well Depth (TWD) 30.00 ft
Depth to Groundwater (DGW) 23.18 ft
Length of Water Column (LWC = TWD-DGW) 6.82 ft
1 Casing Volume (LWC * C) = _____ X .65 = 4.43 gals
3 Casing Volumes = 3 X _____ = 13.30 gals
(Standard Purge Volume)
Total Volume of Water Purged Before Sampling _____ gals
*If free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---									
Time (military)										
pH (s.u)										
Specific Conductivity (µS)										
Water Temperature (°C)										
Turbidity (NTU)										
Dissolved Oxygen (mg/l)										

Not sampled due 0.20 feet free product

Remarks: Well sampled at _____ on _____

BLE INC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Page 1 of 1

<p>Date: <u>5/10/22</u></p> <p>Field Personnel: <u>B. Wright</u></p> <p>General weather Conditions: <u>Clear</u></p> <p>Ambient Air Temperature (°C): <u>18</u></p> <p>Facility Name: <u>Former Highway 11 Grocery</u> Site ID#: <u>03439</u></p> <p style="text-align: center;">Quality Assurance</p> <table style="width: 100%;"> <tr> <td>pH Sensor: <u>Oakton 35630-62</u></td> <td>Conductivity Sensor: <u>35630-32</u></td> </tr> <tr> <td>serial no. <u>324976</u></td> <td>serial no. <u>324976</u></td> </tr> <tr> <td>pH = 4.0 <u>4.0</u></td> <td>Standard <u>15,000</u></td> </tr> <tr> <td>pH = 7.0 <u>7.0</u></td> <td>Standard <u>1,413</u></td> </tr> <tr> <td>pH = 10.0 <u>10.0</u></td> <td>Standard <u>447</u></td> </tr> <tr> <td>DO Meter <u>YSI 60</u></td> <td>Standard <u>84</u></td> </tr> <tr> <td>Standard <u>0% cal</u></td> <td>Turbidity: <u>1.0-10.0 NTU</u></td> </tr> </table> <p style="text-align: center;">Chain of Custody</p> <table style="width: 100%;"> <tr> <td>Relinquished by</td> <td>Date/Time</td> <td>Received by</td> <td>Date/Time</td> </tr> </table>	pH Sensor: <u>Oakton 35630-62</u>	Conductivity Sensor: <u>35630-32</u>	serial no. <u>324976</u>	serial no. <u>324976</u>	pH = 4.0 <u>4.0</u>	Standard <u>15,000</u>	pH = 7.0 <u>7.0</u>	Standard <u>1,413</u>	pH = 10.0 <u>10.0</u>	Standard <u>447</u>	DO Meter <u>YSI 60</u>	Standard <u>84</u>	Standard <u>0% cal</u>	Turbidity: <u>1.0-10.0 NTU</u>	Relinquished by	Date/Time	Received by	Date/Time	<p>Well # <u>03439-RW06</u></p> <p>Well Diameter (D) <u>2</u> inch of <u>26.50</u> feet(ft)</p> <p>conversion factor (C): $3.143 \cdot (D/2)^2$ for a 2 inch well C = 0.163 for a 4 inch well C = 0.652</p> <p>*Free Product Thickness <u>0.69</u> ft</p> <p>Total Well Depth (TWD) <u>26.50</u> ft</p> <p>Depth to Groundwater (DGW) <u>18.22</u> ft</p> <p>Length of Water Column (LWC = TWD-DGW) <u>8.28</u> ft</p> <p>1 Casing Volume (LWC * C) = _____ X .65 = <u>5.38</u> gals</p> <p>3 Casing Volumes = 3 X _____ = <u>16.15</u> gals (Standard Purge Volume)</p> <p>Total Volume of Water Purged Before Sampling _____ gals</p> <p>*If free product is present over 1/8 inch, sampling will not be required.</p>
pH Sensor: <u>Oakton 35630-62</u>	Conductivity Sensor: <u>35630-32</u>																		
serial no. <u>324976</u>	serial no. <u>324976</u>																		
pH = 4.0 <u>4.0</u>	Standard <u>15,000</u>																		
pH = 7.0 <u>7.0</u>	Standard <u>1,413</u>																		
pH = 10.0 <u>10.0</u>	Standard <u>447</u>																		
DO Meter <u>YSI 60</u>	Standard <u>84</u>																		
Standard <u>0% cal</u>	Turbidity: <u>1.0-10.0 NTU</u>																		
Relinquished by	Date/Time	Received by	Date/Time																

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---									
Time (military)										
pH (s.u)										
Specific Conductivity (µS)										
Water Temperature (°C)										
Turbidity (NTU)										
Dissolved Oxygen (mg/l)										

Remarks: Well sampled at _____ on _____

Not sampled due to 0.69 ft
free product

BLEINC

BUNNELL-LAMMONS ENGINEERING, INC

**Field Data Information Sheet for Ground Water Sampling
Division of Underground Storage Tank Management**

Date 5/10/22
Field Personnel B. Wright
General weather Conditions Clear
Ambient Air Temperature (°C) 18
Facility Name: Former Highway 11 Grocery Site ID# 03439

Well # 03439-RW07
Well Diameter (D) 2 inch of 30.00 feet(ft)
conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

Quality Assurance
pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
serial no. 324976 serial no. 324976
pH = 4.0 4.0 Standard 15,000
pH = 7.0 7.0 Standard 1,413
pH = 10.0 10.0 Standard 447
DO Meter YSI 60 Standard 84
Standard 0% cal Turbidity: 1.0-10.0 NTU

*Free Product Thickness 1.83 ft
Total Well Depth (TWD) 30.00 ft
Depth to Groundwater (DGW) 28.13 ft
Length of Water Column (LWC = TWD-DGW) 9.07 ft
1 Casing Volume (LWC * C) = _____ X .65 = 5.90 gals
3 Casing Volumes = 3 X _____ = 17.67 gals
(Standard Purge Volume)

Chain of Custody
Relinquished by _____ Date/Time _____
Received by _____ Date/Time _____

Total Volume of Water Purged Before Sampling _____ gals
*If free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---									
Time (military)										
pH (s.u)										
Specific Conductivity (µS)										
Water Temperature (°C)										
Turbidity (NTU)										
Dissolved Oxygen (mg/l)										

Remarks: Well sampled at _____ on _____
Not sampled due to 1.83 ft of free product

BLEINC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Page 1 of 1

Date 5/10/22
 Field Personnel B. Wright
 General weather Conditions clear
 Ambient Air Temperature (°C) 73
 Facility Name: Former Highway 11 Grocery Site ID# 03439

Quality Assurance

pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
 serial no. 324976 serial no. 324976
 pH = 4.0 4.0 Standard 15,000
 pH = 7.0 7.0 Standard 1,413
 pH = 10.0 10.0 Standard 447
 DO Meter YSI 60 Standard 84
 Standard 0% cal Turbidity: 1.0-10.0 NTU

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # 03439-RW08
 Well Diameter (D) 2 inch of 28.50 feet(ft)
 conversion factor (C): $3.143 \cdot (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652

*Free Product Thickness _____ ft
 Total Well Depth (TWD) 28.50 ft
 Depth to Groundwater (DGW) 19.23 ft
 Length of Water Column (LWC = TWD-DGW) 9.27 ft
 1 Casing Volume (LWC * C) = _____ X .65 = 6.03 gals
 3 Casing Volumes = 3 X _____ = 18.08 gals
 (Standard Purge Volume)

Pump

Total Volume of Water Purged Before Sampling 18.5 gals

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

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	6.5	12.5	18.5						
Time (military)	1407 1407	1411	1415	1419						
pH (s.u)	5.97	6.06	5.85	5.99						
Specific Conductivity (µS)	172.0	141.3	138.6	149.2						
Water Temperature (°C)	17.2	15.7	15.0	13.0						
Turbidity (NTU)	20.6	71.3	34.6	9.98						
Dissolved Oxygen (mg/l)	3.6	3.4	3.3	3.4						

Remarks: Well sampled at 1419 on 5/10/22 odor

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BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Page 1 of 1

<p>Date <u>5/10/22</u></p> <p>Field Personnel <u>B. Wright</u></p> <p>General weather Conditions <u>Clear</u></p> <p>Ambient Air Temperature (°C) <u>23</u></p> <p>Facility Name: <u>Former Highway 11 Grocery</u> Site ID# <u>03439</u></p> <p style="text-align: center;">Quality Assurance</p> <table style="width: 100%;"> <tr> <td>pH Sensor: <u>Oakton 35630-62</u></td> <td>Conductivity Sensor: <u>35630-32</u></td> </tr> <tr> <td>serial no. <u>324976</u></td> <td>serial no. <u>324976</u></td> </tr> <tr> <td>pH = 4.0 <u>4.0</u></td> <td>Standard <u>15,000</u></td> </tr> <tr> <td>pH = 7.0 <u>7.0</u></td> <td>Standard <u>1,413</u></td> </tr> <tr> <td>pH = 10.0 <u>10.0</u></td> <td>Standard <u>447</u></td> </tr> <tr> <td>DO Meter <u>YSI 60</u></td> <td>Standard <u>84</u></td> </tr> <tr> <td>Standard <u>0% cal</u></td> <td>Turbidity: <u>1.0-10.0 NTU</u></td> </tr> </table> <p style="text-align: center;">Chain of Custody</p> <table style="width: 100%;"> <tr> <td>Relinquished by</td> <td>Date/Time</td> <td>Received by</td> <td>Date/Time</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	pH Sensor: <u>Oakton 35630-62</u>	Conductivity Sensor: <u>35630-32</u>	serial no. <u>324976</u>	serial no. <u>324976</u>	pH = 4.0 <u>4.0</u>	Standard <u>15,000</u>	pH = 7.0 <u>7.0</u>	Standard <u>1,413</u>	pH = 10.0 <u>10.0</u>	Standard <u>447</u>	DO Meter <u>YSI 60</u>	Standard <u>84</u>	Standard <u>0% cal</u>	Turbidity: <u>1.0-10.0 NTU</u>	Relinquished by	Date/Time	Received by	Date/Time					<p>Well # <u>03439-RW09</u></p> <p>Well Diameter (D) <u>2</u> inch of <u>30.00</u> feet(ft)</p> <p>conversion factor (C): $3.143 \cdot (D/2)^2$ for a 2 inch well C = 0.163 for a 4 inch well C = 0.652</p> <p>*Free Product Thickness _____ ft</p> <p>Total Well Depth (TWD) <u>30.00</u> ft</p> <p>Depth to Groundwater (DGW) <u>20.46</u> ft</p> <p>Length of Water Column (LWC = TWD-DGW) <u>9.54</u> ft</p> <p>1 Casing Volume (LWC * C) = _____ X .65 = <u>6.20</u> gals</p> <p>3 Casing Volumes = 3 X _____ = <u>18.60</u> gals (Standard Purge Volume)</p> <p style="text-align: center; font-size: 2em; font-family: cursive;">Pump</p> <p>Total Volume of Water Purged Before Sampling <u>19</u> gals</p> <p>*If free product is present over 1/8 inch, sampling will not be required.</p>
pH Sensor: <u>Oakton 35630-62</u>	Conductivity Sensor: <u>35630-32</u>																						
serial no. <u>324976</u>	serial no. <u>324976</u>																						
pH = 4.0 <u>4.0</u>	Standard <u>15,000</u>																						
pH = 7.0 <u>7.0</u>	Standard <u>1,413</u>																						
pH = 10.0 <u>10.0</u>	Standard <u>447</u>																						
DO Meter <u>YSI 60</u>	Standard <u>84</u>																						
Standard <u>0% cal</u>	Turbidity: <u>1.0-10.0 NTU</u>																						
Relinquished by	Date/Time	Received by	Date/Time																				

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	6.5	12.5	19						
Time (military)	1447	1423	1427	1433						
pH (s.u)	5.86	5.88	5.75	5.86						
Specific Conductivity (µS)	118.7	115.2	115.6	122.3						
Water Temperature (°C)	15.1	12.9	13.2	13.1						
Turbidity (NTU)	37.2	109.8	41.1	9.77						
Dissolved Oxygen (mg/l)	3.7	3.6	3.7	3.7						

Remarks: Well sampled at 1433 on 5/10/22 odor

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BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Page 1 of 1

Date 5/16/22
 Field Personnel B. Wright
 General weather Conditions Clear
 Ambient Air Temperature (°C) 86° F
 Facility Name: Former Highway 11 Grocery Site ID# 03439

Well # 03439-RW10
 Well Diameter (D) 2 inch of 30.00 feet(ft)
 conversion factor (C): $3.143 \cdot (D/2)^2$
 for a 2 inch well C = 0.163
 for a 4 inch well C = 0.652

Quality Assurance

pH Sensor: Oakton 35630-62 **Conductivity Sensor:** 35630-32
 serial no. 324976 serial no. 324976
 pH = 4.0 4.0 Standard 15,000
 pH = 7.0 7.0 Standard 1,413
 pH = 10.0 10.0 Standard 447
DO Meter YSI 60 Standard 84
 Standard 0% cal **Turbidity:** 1.0-10.0 NTU

*Free Product Thickness _____ ft
 Total Well Depth (TWD) 30.00 ft
 Depth to Groundwater (DGW) 20.31 ft
 Length of Water Colum (LWC = TWD-DGW) 9.69 ft
 1 Casing Volume (LWC*C) = _____ X .65 = 6.30 gals
 3 Casing Volumes = 3 X _____ = 18.90 gals
 (Standard Purge Volume)

Total Volume of Water Purged Before Sampling 19 gals

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

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	6.5	13.0	19.0						
Time (military)	1446	1448	1455	1501						
pH (s.u)	6.14	5.89	5.93	5.99						
Specific Conductivity (µS)	725.2	705.1	198.9	199.6						
Water Temperature (°C)	15.9	13.7	13.8	13.8						
Turbidity (NTU)	16.6	81.5	36.9	9.96						
Dissolved Oxygen (mg/l)	1.4	1.2	1.1	1.1						

Remarks: Well sampled at 1501 on 5/16/22 #6 dr

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BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

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<p>Date <u>5/11/22</u></p> <p>Field Personnel <u>B. Wright</u></p> <p>General weather Conditions <u>Clear</u></p> <p>Ambient Air Temperature (°C) <u>24</u></p> <p>Facility Name: <u>Former Highway 11 Grocery</u> Site ID# <u>03439</u></p> <p style="text-align: center;">Quality Assurance</p> <table style="width: 100%;"> <tr> <td>pH Sensor: <u>Oakton 35630-62</u></td> <td>Conductivity Sensor: <u>35630-32</u></td> </tr> <tr> <td>serial no. <u>324976</u></td> <td>serial no. <u>324976</u></td> </tr> <tr> <td>pH = 4.0 <u>4.0</u></td> <td>Standard <u>15,000</u></td> </tr> <tr> <td>pH = 7.0 <u>7.0</u></td> <td>Standard <u>1,413</u></td> </tr> <tr> <td>pH = 10.0 <u>10.0</u></td> <td>Standard <u>447</u></td> </tr> <tr> <td>DO Meter <u>YSI 60</u></td> <td>Standard <u>84</u></td> </tr> <tr> <td>Standard <u>0% cal</u></td> <td>Turbidity: <u>1.0-10.0 NTU</u></td> </tr> </table> <p style="text-align: center;">Chain of Custody</p> <table style="width: 100%;"> <tr> <td>Relinquished by</td> <td>Date/Time</td> <td>Received by</td> <td>Date/Time</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	pH Sensor: <u>Oakton 35630-62</u>	Conductivity Sensor: <u>35630-32</u>	serial no. <u>324976</u>	serial no. <u>324976</u>	pH = 4.0 <u>4.0</u>	Standard <u>15,000</u>	pH = 7.0 <u>7.0</u>	Standard <u>1,413</u>	pH = 10.0 <u>10.0</u>	Standard <u>447</u>	DO Meter <u>YSI 60</u>	Standard <u>84</u>	Standard <u>0% cal</u>	Turbidity: <u>1.0-10.0 NTU</u>	Relinquished by	Date/Time	Received by	Date/Time					<p>Well # <u>03439-RW11</u></p> <p>Well Diameter (D) <u>2</u> inch of <u>27.00</u> feet(ft)</p> <p>conversion factor (C): $3.143 \cdot (D/2)^2$ for a 2 inch well C = 0.163 for a 4 inch well C = 0.652</p> <p>*Free Product Thickness _____ ft</p> <p>Total Well Depth (TWD) <u>27.00</u> ft</p> <p>Depth to Groundwater (DGW) <u>16.08</u> ft</p> <p>Length of Water Colum (LWC = TWD-DGW) <u>10.92</u> ft</p> <p>1 Casing Volume (LWC*C) = _____ X .65 = <u>7.10</u> gals</p> <p>3 Casing Volumes = 3 X _____ = <u>21.29</u> gals (Standard Purge Volume)</p> <p style="text-align: center; font-size: 2em;">Pump</p> <p>Total Volume of Water Purged Before Sampling <u>21.5</u> gals</p> <p>*If free product is present over 1/8 inch, sampling will not be required.</p>
pH Sensor: <u>Oakton 35630-62</u>	Conductivity Sensor: <u>35630-32</u>																						
serial no. <u>324976</u>	serial no. <u>324976</u>																						
pH = 4.0 <u>4.0</u>	Standard <u>15,000</u>																						
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DO Meter <u>YSI 60</u>	Standard <u>84</u>																						
Standard <u>0% cal</u>	Turbidity: <u>1.0-10.0 NTU</u>																						
Relinquished by	Date/Time	Received by	Date/Time																				

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	7.5	14.5	21.5						
Time (military)	1231	1240	1250	1300						
pH (s.u)	5.72	5.87	5.85	6.03						
Specific Conductivity (µS)	136.5	155.6	189.9	166.2						
Water Temperature (°C)	15.8	13.7	13.6	14.2						
Turbidity (NTU)	74.2	41.3	19.3	9.34						
Dissolved Oxygen (mg/l)	3.3	3.1	3.1	3.1						

Remarks: Well sampled at 1300 on 5/11/22 Odor, Film

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BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Page 1 of 1

<p>Date: <u>5/10/22</u></p> <p>Field Personnel: <u>B. Wright</u></p> <p>General weather Conditions: <u>clear</u></p> <p>Ambient Air Temperature (°C): <u>86°F</u></p> <p>Facility Name: <u>Former Highway 11 Grocery</u> Site ID#: <u>03439</u></p> <p style="text-align: center;">Quality Assurance</p> <p>pH Sensor: <u>Oakton 35630-62</u> Conductivity Sensor: <u>35630-32</u></p> <p>serial no. <u>324976</u> serial no. <u>324976</u></p> <p>pH = 4.0 <u>4.0</u> Standard <u>15,000</u></p> <p>pH = 7.0 <u>7.0</u> Standard <u>1,413</u></p> <p>pH = 10.0 <u>10.0</u> Standard <u>447</u></p> <p>DO Meter <u>YSI 60</u> Standard <u>84</u></p> <p>Standard <u>0% cal</u> Turbidity: <u>1.0-10.0 NTU</u></p> <p style="text-align: center;">Chain of Custody</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Relinquished by</td> <td>Date/Time</td> <td>Received by</td> <td>Date/Time</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	Relinquished by	Date/Time	Received by	Date/Time					<p>Well # <u>03439-RW12</u></p> <p>Well Diameter (D) <u>2</u> inch of <u>30.00</u> feet(ft)</p> <p>conversion factor (C): $3.143 \cdot (D/2)^2$ for a 2 inch well C = 0.163 for a 4 inch well C = 0.652</p> <p>*Free Product Thickness <u> </u> ft</p> <p>Total Well Depth (TWD) <u>30.00</u> ft</p> <p>Depth to Groundwater (DGW) <u>18.75</u> ft</p> <p>Length of Water Column (LWC = TWD-DGW) <u>11.25</u> ft</p> <p>1 Casing Volume (LWC * C) = <u> </u> X <u>.65</u> = <u>7.31</u> gals</p> <p>3 Casing Volumes = 3 X <u> </u> X <u>RW-11</u> <u>21.97</u> gals (Standard Purge Volume)</p> <p>Total Volume of Water Purged Before Sampling <u>22</u> gals</p> <p>*If free product is present over 1/8 inch, sampling will not be required.</p>
Relinquished by	Date/Time	Received by	Date/Time						

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	11.25 7.5	15	22						
Time (military)	1532	1538	1542	1546						
pH (s.u)	6.32	5.91	5.87	5.94						
Specific Conductivity (µS)	1119 1119	115.5	212.9	221.6						
Water Temperature (°C)	18.7	17.0	14.3	14.3						
Turbidity (NTU)	11.8	74.2	30.0	2.98						
Dissolved Oxygen (mg/l)	1.3	1.2	1.2	1.3						

Remarks: Well sampled at 1546 on 5/10/22

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BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Page 1 of 1

<p>Date: <u>5/11/22</u></p> <p>Field Personnel: <u>B. Wright</u></p> <p>General weather Conditions: <u>over</u></p> <p>Ambient Air Temperature (°C): <u>24</u></p> <p>Facility Name: <u>Former Highway 11 Grocery</u> Site ID#: <u>03439</u></p> <p style="text-align: center;">Quality Assurance</p> <p>pH Sensor: <u>Oakton 35630-62</u> Conductivity Sensor: <u>35630-32</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">serial no. <u>324976</u></td> <td style="width: 50%;">serial no. <u>324976</u></td> </tr> <tr> <td>pH = 4.0 <u>4.0</u></td> <td>Standard <u>15,000</u></td> </tr> <tr> <td>pH = 7.0 <u>7.0</u></td> <td>Standard <u>1,413</u></td> </tr> <tr> <td>pH = 10.0 <u>10.0</u></td> <td>Standard <u>447</u></td> </tr> <tr> <td>DO Meter <u>YSI 60</u></td> <td>Standard <u>84</u></td> </tr> <tr> <td>Standard <u>0% cal</u></td> <td>Turbidity: <u>1.0-10.0 NTU</u></td> </tr> </table> <p style="text-align: center;">Chain of Custody</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Relinquished by</td> <td style="width: 25%;">Date/Time</td> <td style="width: 25%;">Received by</td> <td style="width: 25%;">Date/Time</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	serial no. <u>324976</u>	serial no. <u>324976</u>	pH = 4.0 <u>4.0</u>	Standard <u>15,000</u>	pH = 7.0 <u>7.0</u>	Standard <u>1,413</u>	pH = 10.0 <u>10.0</u>	Standard <u>447</u>	DO Meter <u>YSI 60</u>	Standard <u>84</u>	Standard <u>0% cal</u>	Turbidity: <u>1.0-10.0 NTU</u>	Relinquished by	Date/Time	Received by	Date/Time					<p>Well # <u>03439-RW13</u></p> <p>Well Diameter (D) <u>2</u> inch of <u>29.00</u> feet(ft)</p> <p>conversion factor (C): $3.143 \cdot (D/2)^2$ for a 2 inch well C = 0.163 for a 4 inch well C = 0.652</p> <p>*Free Product Thickness _____ ft</p> <p>Total Well Depth (TWD) <u>29.00</u> ft</p> <p>Depth to Groundwater (DGW) <u>17.62</u> ft</p> <p>Length of Water Column (LWC = TWD-DGW) <u>11.38</u> ft</p> <p>1 Casing Volume (LWC * C) = _____ X .65 = <u>7.40</u> gals</p> <p>3 Casing Volumes = 3 X _____ = <u>22.19</u> gals (Standard Purge Volume)</p> <p style="text-align: center; font-size: 2em; font-family: cursive;">Pump</p> <p>Total Volume of Water Purged Before Sampling <u>22.5</u> gals</p> <p>*If free product is present over 1/8 inch, sampling will not be required.</p>
serial no. <u>324976</u>	serial no. <u>324976</u>																				
pH = 4.0 <u>4.0</u>	Standard <u>15,000</u>																				
pH = 7.0 <u>7.0</u>	Standard <u>1,413</u>																				
pH = 10.0 <u>10.0</u>	Standard <u>447</u>																				
DO Meter <u>YSI 60</u>	Standard <u>84</u>																				
Standard <u>0% cal</u>	Turbidity: <u>1.0-10.0 NTU</u>																				
Relinquished by	Date/Time	Received by	Date/Time																		

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	7.5	15	22.5						
Time (military)	1310	1316	1322	1330						
pH (s.u)	6.23	6.38	6.09	6.27						
Specific Conductivity (µS)	167.1	116.9	120.9	122.9						
Water Temperature (°C)	17.3	15.9	13.9	14.6						
Turbidity (NTU)	84.2	33.3	14.9	12.9						
Dissolved Oxygen (mg/l)	2.9	3.0	3.0	3.1						

Remarks: Well sampled at 1330 on 5/11/22

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BUNNELL-LAMMONS ENGINEERING, INC

**Field Data Information Sheet for Ground Water Sampling
Division of Underground Storage Tank Management**

Date 5/11/22
Field Personnel B. Wright
General weather Conditions Clear
Ambient Air Temperature (°C) 20
Facility Name: Former Highway 11 Grocery Site ID# 03439

Well # 03439-RW14
Well Diameter (D) 2 inch of 30.00 feet(ft)
conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

Quality Assurance
pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
serial no. 324976 serial no. 324976
pH = 4.0 4.0 Standard 15,000
pH = 7.0 7.0 Standard 1,413
pH = 10.0 10.0 Standard 447
DO Meter YSI 60 Standard 84
Standard 0% cal Turbidity: 1.0-10.0 NTU

*Free Product Thickness 0.01 ft
Total Well Depth (TWD) 30.00 ft
Depth to Groundwater (DGW) 24.19 ft
Length of Water Column (LWC = TWD-DGW) 5.81 ft
1 Casing Volume (LWC * C) = _____ X .65 = 3.78 gals
3 Casing Volumes = 3 X _____ = 11.33 gals
(Standard Purge Volume)

Chain of Custody
Relinquished by _____ Date/Time _____
Received by _____ Date/Time _____

Total Volume of Water Purged Before Sampling _____ gals
*If free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---									
Time (military)										
pH (s.u)										
Specific Conductivity (µS)										
Water Temperature (°C)										
Turbidity (NTU)										
Dissolved Oxygen (mg/l)										

Remarks: Well sampled at _____ on _____
Well not sampled Due to 0.01 Feet free product

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BUNNELL-LAMMONS ENGINEERING, INC

**Field Data Information Sheet for Ground Water Sampling
Division of Underground Storage Tank Management**

Page 1 of 1

Date 5/11/22
Field Personnel B. Wright
General weather Conditions Clear
Ambient Air Temperature (°C) 72
Facility Name: Former Highway 11 Grocery Site ID# 03439

Well # 03439-RW15
Well Diameter (D) 2 inch of 30.00 feet(ft)
conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

Quality Assurance
pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
serial no. 324976 serial no. 324976
pH = 4.0 4.0 Standard 15,000
pH = 7.0 7.0 Standard 1,413
pH = 10.0 10.0 Standard 447
DO Meter YSI 60 Standard 84
Standard 0% cal Turbidity: 1.0-10.0 NTU
Chain of Custody

*Free Product Thickness 0.03 ft
Total Well Depth (TWD) 30.00 ft
Depth to Groundwater (DGW) 22.28 ft
Length of Water Colum (LWC = TWD-DGW) 7.72 ft
1 Casing Volume (LWC * C) = _____ X .65 = 5.02 gals
3 Casing Volumes = 3 X _____ = 15.04 gals
(Standard Purge Volume)

Pump

Total Volume of Water Purged Before Sampling 15.5 gals
*If free product is present over 1/8 inch, sampling will not be required.

Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	6.5	10.5	15.5						
Time (military)	1145	1150	1155	1200						
pH (s.u)	5.68	5.57	5.51	5.67						
Specific Conductivity (µS)	127.1	126.2	127.9	130.0						
Water Temperature (°C)	15.2	16.3	15.9	15.7						
Turbidity (NTU)	71.7	69.6	27.2	9.49						
Dissolved Oxygen (mg/l)	2.7	2.9	2.9	2.9						

Remarks: Well sampled at 1200 on 5/11/22 odor, film

BLEINC

BUNNELL-LAMMONS ENGINEERING, INC

Field Data Information Sheet for Ground Water Sampling Division of Underground Storage Tank Management

Page 1 of 1

<p>Date: <u>5/11/22</u></p> <p>Field Personnel: <u>B. Wright</u></p> <p>General weather Conditions: <u>clear</u></p> <p>Ambient Air Temperature (°C): <u>27</u></p> <p>Facility Name: <u>Former Highway 11 Grocery</u> Site ID#: <u>03439</u></p> <p style="text-align: center;">Quality Assurance</p> <table style="width: 100%;"> <tr> <td>pH Sensor: <u>Oakton 35630-62</u></td> <td>Conductivity Sensor: <u>35630-32</u></td> </tr> <tr> <td>serial no. <u>324976</u></td> <td>serial no. <u>324976</u></td> </tr> <tr> <td>pH = 4.0 <u>4.0</u></td> <td>Standard <u>15,000</u></td> </tr> <tr> <td>pH = 7.0 <u>7.0</u></td> <td>Standard <u>1,413</u></td> </tr> <tr> <td>pH = 10.0 <u>10.0</u></td> <td>Standard <u>447</u></td> </tr> <tr> <td>DO Meter <u>YSI 60</u></td> <td>Standard <u>84</u></td> </tr> <tr> <td>Standard <u>0% cal</u></td> <td>Turbidity: <u>1.0-10.0 NTU</u></td> </tr> </table> <p style="text-align: center;">Chain of Custody</p> <table style="width: 100%; border-top: 1px solid black;"> <tr> <td style="width: 25%;">Relinquished by</td> <td style="width: 25%;">Date/Time</td> <td style="width: 25%;">Received by</td> <td style="width: 25%;">Date/Time</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	pH Sensor: <u>Oakton 35630-62</u>	Conductivity Sensor: <u>35630-32</u>	serial no. <u>324976</u>	serial no. <u>324976</u>	pH = 4.0 <u>4.0</u>	Standard <u>15,000</u>	pH = 7.0 <u>7.0</u>	Standard <u>1,413</u>	pH = 10.0 <u>10.0</u>	Standard <u>447</u>	DO Meter <u>YSI 60</u>	Standard <u>84</u>	Standard <u>0% cal</u>	Turbidity: <u>1.0-10.0 NTU</u>	Relinquished by	Date/Time	Received by	Date/Time					<p>Well # <u>03439-RW16</u></p> <p>Well Diameter (D) <u>2</u> inch of <u>30.00</u> feet(ft)</p> <p>conversion factor (C): $3.143 \cdot (D/2)^2$ for a 2 inch well C = 0.163 for a 4 inch well C = 0.652</p> <p>*Free Product Thickness _____ ft</p> <p>Total Well Depth (TWD) <u>30.00</u> ft</p> <p>Depth to Groundwater (DGW) <u>20.83</u> ft</p> <p>Length of Water Column (LWC = TWD-DGW) <u>9.17</u> ft</p> <p>1 Casing Volume (LWC * C) = _____ X .65 = <u>5.96</u> gals</p> <p>3 Casing Volumes = 3 X _____ = <u>17.88</u> gals (Standard Purge Volume)</p> <p style="font-size: 2em; font-family: cursive;">Pump</p> <p>Total Volume of Water Purged Before Sampling <u>18</u> gals</p> <p>*If free product is present over 1/8 inch, sampling will not be required.</p>
pH Sensor: <u>Oakton 35630-62</u>	Conductivity Sensor: <u>35630-32</u>																						
serial no. <u>324976</u>	serial no. <u>324976</u>																						
pH = 4.0 <u>4.0</u>	Standard <u>15,000</u>																						
pH = 7.0 <u>7.0</u>	Standard <u>1,413</u>																						
pH = 10.0 <u>10.0</u>	Standard <u>447</u>																						
DO Meter <u>YSI 60</u>	Standard <u>84</u>																						
Standard <u>0% cal</u>	Turbidity: <u>1.0-10.0 NTU</u>																						
Relinquished by	Date/Time	Received by	Date/Time																				

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	6	12	18						
Time (military)	1445	1450	1455	1500						
pH (s.u)	8.82	6.61	5.77	5.69						
Specific Conductivity (µS)	130.3	118.5	122.0	123.4						
Water Temperature (°C)	18.8	15.0	14.6	15.2						
Turbidity (NTU)	21.6	67.8	25.1	9.06						
Dissolved Oxygen (mg/l)	3.3	3.3	3.2	3.1						

odor

Remarks: Well sampled at 1500 on 5/11/22

BLEINC

BUNNELL-LAMMONS ENGINEERING, INC

**Field Data Information Sheet for Ground Water Sampling
Division of Underground Storage Tank Management**

Page 1 of 1

Date 5/11/22
Field Personnel B. Wright
General weather Conditions clear
Ambient Air Temperature (°C) 26
Facility Name: Former Highway 11 Grocery Site ID# 03439

Well # 03439-RW17
Well Diameter (D) 2 inch of 30.00 feet(ft)
conversion factor (C): $3.143 \cdot (D/2)^2$
for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

Quality Assurance
pH Sensor: Oakton 35630-62 Conductivity Sensor: 35630-32
serial no. 324976 serial no. 324976
pH = 4.0 4.0 Standard 15,000
pH = 7.0 7.0 Standard 1,413
pH = 10.0 10.0 Standard 447
DO Meter YSI 60 Standard 84
Standard 0% cal Turbidity: 1.0-10.0 NTU
Chain of Custody
Relinquished by _____ Date/Time _____ Received by _____ Date/Time _____

*Free Product Thickness _____ ft
Total Well Depth (TWD) 30.00 ft
Depth to Groundwater (DGW) 17.39 ft
Length of Water Column (LWC = TWD-DGW) 12.61 ft
1 Casing Volume (LWC * C) = _____ X .65 = 8.20 gals
3 Casing Volumes = 3 X _____ = 24.59 gals
(Standard Purge Volume)
Pump
Total Volume of Water Purged Before Sampling 25 gals
*If free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	6th Vol.	7th Vol.	8th Vol.	Post
Volume Purged (gallons)	---	8.5	16.5	25						
Time (military)	1347	1355	1405	1415						
pH (s.u)	5.67	5.56	5.46	5.874						
Specific Conductivity (µS)	22.28	26.01	22.14	23.72						
Water Temperature (°C)	16.8	16.3	15.6	15.2						
Turbidity (NTU)	51.3	54.1	29.3	4.51						
Dissolved Oxygen (mg/l)	3.8	3.4	3.4	3.5						

Remarks: Well sampled at 1415 on 5/11/22

APPENDIX C

LABORATORY DATA SHEETS



Report of Analysis

Bunnell-Lammons Engineering, Inc.
6004 Ponders Court
Greenville, SC 29615
Attention: Trevor Benton

Project Name: Fmr. Highway 11 Grocery

Project Number: J22-10769-08

Lot Number: **XE12112**

Date Completed: 05/31/2022

06/07/2022 2:00 PM

Approved and released by:
Project Manager II: **Lucas Odom**



The electronic signature above is the equivalent of a handwritten signature.
This report shall not be reproduced, except in its entirety, without the written approval of Pace Analytical Services, LLC.

PACE ANALYTICAL SERVICES, LLC

SC DHEC No: 32010001

NELAC No: E87653

NC DENR No: 329

NC Field Parameters No: 5639

Case Narrative Bunnell-Lammons Engineering, Inc. Lot Number: XE12112

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

All results listed in this report relate only to the samples that are contained within this report. Where sampling is conducted by the client, results relate to the accuracy of the information provided, and as the samples are received.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved The NELAC Institute (TNI) standards, the Pace Analytical Services, LLC ("Pace") Laboratory Quality Manual, standard operating procedures (SOPs), and Pace policies. Any exceptions to the TNI standards, the Laboratory Quality Manual, SOPs or policies are qualified on the results page or discussed below.

Pace is a TNI accredited laboratory; however, the following analyses are currently not listed on our TNI scope of accreditation: Drinking Water: VOC (excluding BTEX, MTBE, Naphthalene, & 1,2-dichloroethane) EPA 524.2, E. coli and Total coliforms SM 9223 B-2004, Solid Chemical Material: TOC Walkley-Black, Biological Tissue: All, Non-Potable Water: SGT-HEM EPA 1664B, Silica EPA 200.7, Boron, Calcium, Silicon, Strontium EPA 200.8, Bicarbonate, Carbonate, and Hydroxide Alkalinity SM 2320 B-2011, SM 9221 C E-2006 & SM 9222D-2006, Strontium SW-846 6010D, VOC SM 6200 B-2011, Fecal Coliform Colilert-18.

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

EDB by Microextraction

Surrogate recovery for the following sample was outside the upper control limit: XE12112-009. This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Samples -026 and -027 have been qualified with a "P" as the relative percent difference between the two GC columns exceeds method criteria. Per SCDHEC, the lesser of the two values has been reported.

PACE ANALYTICAL SERVICES, LLC

Sample Summary Bunnell-Lammons Engineering, Inc. Lot Number: XE12112

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-02	Aqueous	05/10/2022 1110	05/12/2022
002	MW-03	Aqueous	05/10/2022 1132	05/12/2022
003	MW-04	Aqueous	05/10/2022 1200	05/12/2022
004	MW-06	Aqueous	05/10/2022 1300	05/12/2022
005	MW-06 Dup	Aqueous	05/10/2022 1302	05/12/2022
006	MW-08	Aqueous	05/10/2022 1406	05/12/2022
007	MW-09	Aqueous	05/11/2022 1030	05/12/2022
008	MW-10	Aqueous	05/11/2022 1430	05/12/2022
009	MW-11	Aqueous	05/10/2022 1513	05/12/2022
010	MW-12	Aqueous	05/10/2022 1558	05/12/2022
011	MW-13	Aqueous	05/11/2022 1130	05/12/2022
012	MW-14	Aqueous	05/11/2022 1100	05/12/2022
013	DMW-01	Aqueous	05/10/2022 1010	05/12/2022
014	DMW-02	Aqueous	05/10/2022 1331	05/12/2022
015	DMW-04	Aqueous	05/10/2022 1101	05/12/2022
016	RW-01	Aqueous	05/10/2022 0930	05/12/2022
017	RW-02	Aqueous	05/10/2022 1123	05/12/2022
018	RW-02 Dup	Aqueous	05/10/2022 1125	05/12/2022
019	RW-04	Aqueous	05/10/2022 1207	05/12/2022
020	RW-08	Aqueous	05/10/2022 1419	05/12/2022
021	RW-09	Aqueous	05/10/2022 1433	05/12/2022
022	RW-10	Aqueous	05/10/2022 1501	05/12/2022
023	RW-11	Aqueous	05/11/2022 1300	05/12/2022
024	RW-12	Aqueous	05/10/2022 1546	05/12/2022
025	RW-13	Aqueous	05/11/2022 1330	05/12/2022
026	RW-15	Aqueous	05/11/2022 1200	05/12/2022
027	RW-16	Aqueous	05/11/2022 1500	05/12/2022
028	RW-17	Aqueous	05/11/2022 1415	05/12/2022
029	CK-01	Aqueous	05/10/2022 1342	05/12/2022
030	CK-02	Aqueous	05/10/2022 1348	05/12/2022
031	CK-03	Aqueous	05/10/2022 1354	05/12/2022
032	CK-04	Aqueous	05/10/2022 1336	05/12/2022
033	EB-01	Aqueous	05/10/2022 1600	05/12/2022
034	EB-02	Aqueous	05/11/2022 1525	05/12/2022
035	FB-01	Aqueous	05/10/2022 0915	05/12/2022
036	FB-02	Aqueous	05/11/2022 1530	05/12/2022
037	TB-01	Aqueous	05/10/2022	05/12/2022

(37 samples)

PACE ANALYTICAL SERVICES, LLC

Detection Summary Bunnell-Lammons Engineering, Inc. Lot Number: XE12112

Sample ID	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
002	MW-03	Aqueous	Toluene	8260D	1.6		ug/L	12
003	MW-04	Aqueous	tert-Amyl alcohol (TAA)	8260D	36		ug/L	13
003	MW-04	Aqueous	Benzene	8260D	11		ug/L	13
003	MW-04	Aqueous	Ethylbenzene	8260D	67		ug/L	13
003	MW-04	Aqueous	Naphthalene	8260D	11		ug/L	13
003	MW-04	Aqueous	Toluene	8260D	55		ug/L	13
003	MW-04	Aqueous	Xylenes (total)	8260D	260		ug/L	13
004	MW-06	Aqueous	tert-Amyl alcohol (TAA)	8260D	220		ug/L	14
004	MW-06	Aqueous	tert-Amyl methyl ether	8260D	88		ug/L	14
004	MW-06	Aqueous	Benzene	8260D	1800		ug/L	14
004	MW-06	Aqueous	1,2-Dichloroethane	8260D	50		ug/L	14
004	MW-06	Aqueous	Diisopropyl ether (IPE)	8260D	59		ug/L	14
004	MW-06	Aqueous	Ethylbenzene	8260D	1800		ug/L	14
004	MW-06	Aqueous	Ethyl-tert-butyl ether (ETBE)	8260D	1.5		ug/L	14
004	MW-06	Aqueous	Methyl tertiary butyl ether	8260D	300		ug/L	14
004	MW-06	Aqueous	Naphthalene	8260D	370		ug/L	14
004	MW-06	Aqueous	tert-butyl alcohol (TBA)	8260D	50		ug/L	14
004	MW-06	Aqueous	Toluene	8260D	12000		ug/L	14
004	MW-06	Aqueous	Xylenes (total)	8260D	10000		ug/L	14
005	MW-06 Dup	Aqueous	tert-Amyl alcohol (TAA)	8260D	210		ug/L	15
005	MW-06 Dup	Aqueous	tert-Amyl methyl ether	8260D	89		ug/L	15
005	MW-06 Dup	Aqueous	Benzene	8260D	1900		ug/L	15
005	MW-06 Dup	Aqueous	1,2-Dichloroethane	8260D	46		ug/L	15
005	MW-06 Dup	Aqueous	Diisopropyl ether (IPE)	8260D	59		ug/L	15
005	MW-06 Dup	Aqueous	Ethylbenzene	8260D	1900		ug/L	15
005	MW-06 Dup	Aqueous	Ethyl-tert-butyl ether (ETBE)	8260D	1.5		ug/L	15
005	MW-06 Dup	Aqueous	Methyl tertiary butyl ether	8260D	330		ug/L	15
005	MW-06 Dup	Aqueous	Naphthalene	8260D	360		ug/L	15
005	MW-06 Dup	Aqueous	tert-butyl alcohol (TBA)	8260D	49		ug/L	15
005	MW-06 Dup	Aqueous	Toluene	8260D	12000		ug/L	15
005	MW-06 Dup	Aqueous	Xylenes (total)	8260D	10000		ug/L	15
006	MW-08	Aqueous	tert-Amyl alcohol (TAA)	8260D	1200		ug/L	16
006	MW-08	Aqueous	tert-Amyl methyl ether	8260D	42		ug/L	16
006	MW-08	Aqueous	Benzene	8260D	1800		ug/L	16
006	MW-08	Aqueous	1,2-Dichloroethane	8260D	44		ug/L	16
006	MW-08	Aqueous	Diisopropyl ether (IPE)	8260D	30		ug/L	16
006	MW-08	Aqueous	Ethylbenzene	8260D	2500		ug/L	16
006	MW-08	Aqueous	Methyl tertiary butyl ether	8260D	74		ug/L	16
006	MW-08	Aqueous	Naphthalene	8260D	460		ug/L	16
006	MW-08	Aqueous	tert-butyl alcohol (TBA)	8260D	44		ug/L	16
006	MW-08	Aqueous	Toluene	8260D	14000		ug/L	16
006	MW-08	Aqueous	Xylenes (total)	8260D	13000		ug/L	16
008	MW-10	Aqueous	tert-Amyl alcohol (TAA)	8260D	17	J	ug/L	18
008	MW-10	Aqueous	Benzene	8260D	2.0		ug/L	18
008	MW-10	Aqueous	Ethylbenzene	8260D	18		ug/L	18

Detection Summary (Continued)

Lot Number: XE12112

Sample ID	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
008	MW-10	Aqueous	Naphthalene	8260D	2.2		ug/L	18
008	MW-10	Aqueous	Toluene	8260D	5.0		ug/L	18
008	MW-10	Aqueous	Xylenes (total)	8260D	13		ug/L	18
010	MW-12	Aqueous	Xylenes (total)	8260D	0.67	J	ug/L	20
012	MW-14	Aqueous	tert-Amyl alcohol (TAA)	8260D	89	J	ug/L	22
012	MW-14	Aqueous	Benzene	8260D	170		ug/L	22
012	MW-14	Aqueous	Ethylbenzene	8260D	320		ug/L	22
012	MW-14	Aqueous	Methyl tertiary butyl ether	8260D	13		ug/L	22
012	MW-14	Aqueous	Naphthalene	8260D	110		ug/L	22
012	MW-14	Aqueous	Toluene	8260D	96		ug/L	22
012	MW-14	Aqueous	Xylenes (total)	8260D	1600		ug/L	22
013	DMW-01	Aqueous	Benzene	8260D	2.5		ug/L	23
013	DMW-01	Aqueous	Ethylbenzene	8260D	2.1		ug/L	23
013	DMW-01	Aqueous	Methyl tertiary butyl ether	8260D	0.48	J	ug/L	23
013	DMW-01	Aqueous	Naphthalene	8260D	1.3		ug/L	23
013	DMW-01	Aqueous	Toluene	8260D	21		ug/L	23
013	DMW-01	Aqueous	Xylenes (total)	8260D	19		ug/L	23
014	DMW-02	Aqueous	Benzene	8260D	2.6		ug/L	24
014	DMW-02	Aqueous	Ethylbenzene	8260D	4.7		ug/L	24
014	DMW-02	Aqueous	Naphthalene	8260D	1.7		ug/L	24
014	DMW-02	Aqueous	Toluene	8260D	36		ug/L	24
014	DMW-02	Aqueous	Xylenes (total)	8260D	29		ug/L	24
015	DMW-04	Aqueous	Benzene	8260D	0.91	J	ug/L	25
015	DMW-04	Aqueous	Ethylbenzene	8260D	1.0		ug/L	25
015	DMW-04	Aqueous	Toluene	8260D	7.9		ug/L	25
015	DMW-04	Aqueous	Xylenes (total)	8260D	9.1		ug/L	25
016	RW-01	Aqueous	tert-Amyl methyl ether	8260D	75	J	ug/L	26
016	RW-01	Aqueous	Benzene	8260D	580		ug/L	26
016	RW-01	Aqueous	Diisopropyl ether (IPE)	8260D	27		ug/L	26
016	RW-01	Aqueous	Ethylbenzene	8260D	300		ug/L	26
016	RW-01	Aqueous	Methyl tertiary butyl ether	8260D	440		ug/L	26
016	RW-01	Aqueous	Naphthalene	8260D	98		ug/L	26
016	RW-01	Aqueous	Toluene	8260D	2700		ug/L	26
016	RW-01	Aqueous	Xylenes (total)	8260D	2400		ug/L	26
017	RW-02	Aqueous	tert-Amyl alcohol (TAA)	8260D	300	J	ug/L	27
017	RW-02	Aqueous	tert-Amyl methyl ether	8260D	100	J	ug/L	27
017	RW-02	Aqueous	Benzene	8260D	500		ug/L	27
017	RW-02	Aqueous	Diisopropyl ether (IPE)	8260D	52		ug/L	27
017	RW-02	Aqueous	Ethylbenzene	8260D	290		ug/L	27
017	RW-02	Aqueous	Methyl tertiary butyl ether	8260D	1600		ug/L	27
017	RW-02	Aqueous	Naphthalene	8260D	68		ug/L	27
017	RW-02	Aqueous	tert-butyl alcohol (TBA)	8260D	270	J	ug/L	27
017	RW-02	Aqueous	Toluene	8260D	2000		ug/L	27
017	RW-02	Aqueous	Xylenes (total)	8260D	1600		ug/L	27
018	RW-02 Dup	Aqueous	tert-Amyl alcohol (TAA)	8260D	560	J	ug/L	28
018	RW-02 Dup	Aqueous	tert-Amyl methyl ether	8260D	220	J	ug/L	28
018	RW-02 Dup	Aqueous	Benzene	8260D	1200		ug/L	28
018	RW-02 Dup	Aqueous	Diisopropyl ether (IPE)	8260D	120		ug/L	28

Detection Summary (Continued)

Lot Number: XE12112

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
018	RW-02 Dup	Aqueous	Ethylbenzene	8260D	780		ug/L	28
018	RW-02 Dup	Aqueous	Methyl tertiary butyl ether	8260D	3300		ug/L	28
018	RW-02 Dup	Aqueous	Naphthalene	8260D	180		ug/L	28
018	RW-02 Dup	Aqueous	tert-butyl alcohol (TBA)	8260D	460	J	ug/L	28
018	RW-02 Dup	Aqueous	Toluene	8260D	5000		ug/L	28
018	RW-02 Dup	Aqueous	Xylenes (total)	8260D	4400		ug/L	28
019	RW-04	Aqueous	tert-Amyl methyl ether	8260D	41	J	ug/L	29
019	RW-04	Aqueous	Benzene	8260D	560		ug/L	29
019	RW-04	Aqueous	Ethylbenzene	8260D	470		ug/L	29
019	RW-04	Aqueous	Methyl tertiary butyl ether	8260D	210		ug/L	29
019	RW-04	Aqueous	Naphthalene	8260D	120		ug/L	29
019	RW-04	Aqueous	Toluene	8260D	2900		ug/L	29
019	RW-04	Aqueous	Xylenes (total)	8260D	2900		ug/L	29
020	RW-08	Aqueous	tert-Amyl alcohol (TAA)	8260D	1300	J	ug/L	30
020	RW-08	Aqueous	tert-Amyl methyl ether	8260D	49	J	ug/L	30
020	RW-08	Aqueous	Benzene	8260D	2600		ug/L	30
020	RW-08	Aqueous	Ethylbenzene	8260D	3100		ug/L	30
020	RW-08	Aqueous	Methyl tertiary butyl ether	8260D	110		ug/L	30
020	RW-08	Aqueous	Naphthalene	8260D	470		ug/L	30
020	RW-08	Aqueous	Toluene	8260D	20000		ug/L	30
020	RW-08	Aqueous	Xylenes (total)	8260D	15000		ug/L	30
021	RW-09	Aqueous	Benzene	8260D	1200		ug/L	31
021	RW-09	Aqueous	Ethylbenzene	8260D	2300		ug/L	31
021	RW-09	Aqueous	Methyl tertiary butyl ether	8260D	56	J	ug/L	31
021	RW-09	Aqueous	Naphthalene	8260D	490		ug/L	31
021	RW-09	Aqueous	Toluene	8260D	9400		ug/L	31
021	RW-09	Aqueous	Xylenes (total)	8260D	12000		ug/L	31
022	RW-10	Aqueous	tert-Amyl methyl ether	8260D	42	J	ug/L	32
022	RW-10	Aqueous	Benzene	8260D	1600		ug/L	32
022	RW-10	Aqueous	Ethylbenzene	8260D	1800		ug/L	32
022	RW-10	Aqueous	Methyl tertiary butyl ether	8260D	110		ug/L	32
022	RW-10	Aqueous	Naphthalene	8260D	420		ug/L	32
022	RW-10	Aqueous	Toluene	8260D	5000		ug/L	32
022	RW-10	Aqueous	Xylenes (total)	8260D	9900		ug/L	32
023	RW-11	Aqueous	tert-Amyl methyl ether	8260D	54	J	ug/L	33
023	RW-11	Aqueous	Benzene	8260D	1900		ug/L	33
023	RW-11	Aqueous	Ethylbenzene	8260D	2200		ug/L	33
023	RW-11	Aqueous	Methyl tertiary butyl ether	8260D	180		ug/L	33
023	RW-11	Aqueous	Naphthalene	8260D	470		ug/L	33
023	RW-11	Aqueous	Toluene	8260D	11000		ug/L	33
023	RW-11	Aqueous	Xylenes (total)	8260D	12000		ug/L	33
024	RW-12	Aqueous	tert-Amyl alcohol (TAA)	8260D	730	J	ug/L	34
024	RW-12	Aqueous	tert-Amyl methyl ether	8260D	41	J	ug/L	34
024	RW-12	Aqueous	Benzene	8260D	1400		ug/L	34
024	RW-12	Aqueous	1,2-Dichloroethane	8260D	37	J	ug/L	34
024	RW-12	Aqueous	Diisopropyl ether (IPE)	8260D	25	J	ug/L	34
024	RW-12	Aqueous	Ethylbenzene	8260D	1700		ug/L	34
024	RW-12	Aqueous	Methyl tertiary butyl ether	8260D	86		ug/L	34

Detection Summary (Continued)

Lot Number: XE12112

Sample ID	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
024	RW-12	Aqueous	Naphthalene	8260D	380		ug/L	34
024	RW-12	Aqueous	Toluene	8260D	5600		ug/L	34
024	RW-12	Aqueous	Xylenes (total)	8260D	9400		ug/L	34
025	RW-13	Aqueous	tert-Amyl alcohol (TAA)	8260D	120	J	ug/L	35
025	RW-13	Aqueous	tert-Amyl methyl ether	8260D	5.9	J	ug/L	35
025	RW-13	Aqueous	Benzene	8260D	190		ug/L	35
025	RW-13	Aqueous	Ethylbenzene	8260D	290		ug/L	35
025	RW-13	Aqueous	Methyl tertiary butyl ether	8260D	12		ug/L	35
025	RW-13	Aqueous	Naphthalene	8260D	81		ug/L	35
025	RW-13	Aqueous	Toluene	8260D	480		ug/L	35
025	RW-13	Aqueous	Xylenes (total)	8260D	1600		ug/L	35
026	RW-15	Aqueous	tert-Amyl alcohol (TAA)	8260D	1400	J	ug/L	36
026	RW-15	Aqueous	tert-Amyl methyl ether	8260D	140	J	ug/L	36
026	RW-15	Aqueous	Benzene	8260D	4100		ug/L	36
026	RW-15	Aqueous	1,2-Dichloroethane	8260D	110		ug/L	36
026	RW-15	Aqueous	Diisopropyl ether (IPE)	8260D	71	J	ug/L	36
026	RW-15	Aqueous	Ethylbenzene	8260D	2400		ug/L	36
026	RW-15	Aqueous	Methyl tertiary butyl ether	8260D	480		ug/L	36
026	RW-15	Aqueous	Naphthalene	8260D	500		ug/L	36
026	RW-15	Aqueous	Toluene	8260D	23000		ug/L	36
026	RW-15	Aqueous	Xylenes (total)	8260D	13000		ug/L	36
026	RW-15	Aqueous	1,2-Dibromoethane (EDB)	8011	0.023	P	ug/L	36
027	RW-16	Aqueous	tert-Amyl alcohol (TAA)	8260D	4100		ug/L	37
027	RW-16	Aqueous	tert-Amyl methyl ether	8260D	240	J	ug/L	37
027	RW-16	Aqueous	Benzene	8260D	5700		ug/L	37
027	RW-16	Aqueous	Diisopropyl ether (IPE)	8260D	130	J	ug/L	37
027	RW-16	Aqueous	Ethylbenzene	8260D	3200		ug/L	37
027	RW-16	Aqueous	Methyl tertiary butyl ether	8260D	670		ug/L	37
027	RW-16	Aqueous	Naphthalene	8260D	550		ug/L	37
027	RW-16	Aqueous	Toluene	8260D	30000		ug/L	37
027	RW-16	Aqueous	Xylenes (total)	8260D	17000		ug/L	37
027	RW-16	Aqueous	1,2-Dibromoethane (EDB)	8011	0.024	P	ug/L	37
028	RW-17	Aqueous	tert-Amyl alcohol (TAA)	8260D	3500	J	ug/L	38
028	RW-17	Aqueous	Benzene	8260D	2100		ug/L	38
028	RW-17	Aqueous	Ethylbenzene	8260D	2600		ug/L	38
028	RW-17	Aqueous	Naphthalene	8260D	450		ug/L	38
028	RW-17	Aqueous	Toluene	8260D	23000		ug/L	38
028	RW-17	Aqueous	Xylenes (total)	8260D	13000		ug/L	38
029	CK-01	Aqueous	tert-Amyl alcohol (TAA)	8260D	15	J	ug/L	39
029	CK-01	Aqueous	tert-Amyl methyl ether	8260D	0.80	J	ug/L	39
029	CK-01	Aqueous	Benzene	8260D	18		ug/L	39
029	CK-01	Aqueous	Diisopropyl ether (IPE)	8260D	0.42	J	ug/L	39
029	CK-01	Aqueous	Ethylbenzene	8260D	28		ug/L	39
029	CK-01	Aqueous	Methyl tertiary butyl ether	8260D	5.1		ug/L	39
029	CK-01	Aqueous	Naphthalene	8260D	5.8		ug/L	39
029	CK-01	Aqueous	Toluene	8260D	57		ug/L	39
029	CK-01	Aqueous	Xylenes (total)	8260D	140		ug/L	39
030	CK-02	Aqueous	tert-Amyl alcohol (TAA)	8260D	14	J	ug/L	40

Detection Summary (Continued)

Lot Number: XE12112

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
030	CK-02	Aqueous	Benzene	8260D	5.9		ug/L	40
030	CK-02	Aqueous	Ethylbenzene	8260D	7.7		ug/L	40
030	CK-02	Aqueous	Methyl tertiary butyl ether	8260D	2.4		ug/L	40
030	CK-02	Aqueous	Naphthalene	8260D	2.2		ug/L	40
030	CK-02	Aqueous	Toluene	8260D	12		ug/L	40
030	CK-02	Aqueous	Xylenes (total)	8260D	42		ug/L	40
031	CK-03	Aqueous	Benzene	8260D	4.7		ug/L	41
031	CK-03	Aqueous	Ethylbenzene	8260D	6.5		ug/L	41
031	CK-03	Aqueous	Methyl tertiary butyl ether	8260D	2.4		ug/L	41
031	CK-03	Aqueous	Naphthalene	8260D	2.2		ug/L	41
031	CK-03	Aqueous	Toluene	8260D	11		ug/L	41
031	CK-03	Aqueous	Xylenes (total)	8260D	37		ug/L	41
032	CK-04	Aqueous	Benzene	8260D	0.84	J	ug/L	42
032	CK-04	Aqueous	Ethylbenzene	8260D	1.3		ug/L	42
032	CK-04	Aqueous	Methyl tertiary butyl ether	8260D	1.1		ug/L	42
032	CK-04	Aqueous	Toluene	8260D	1.2		ug/L	42
032	CK-04	Aqueous	Xylenes (total)	8260D	6.7		ug/L	42

(206 detections)

Description: MW-02

Matrix: Aqueous

Date Sampled: 05/10/2022 1110

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	05/18/2022 1314	KJH		42148		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1	
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		99	70-130						
Toluene-d8		110	70-130						
Bromofluorobenzene		104	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/19/2022 0232	CAW	05/18/2022 0949	42124		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		103	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: MW-03

Matrix: Aqueous

Date Sampled: 05/10/2022 1132

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	05/18/2022 1336	KJH		42148

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	1.6		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		109	70-130
Bromofluorobenzene		101	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	05/19/2022 0243	CAW	05/18/2022 0949	42124

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		102	57-137

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit Q = Surrogate failure
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL L = LCS/LCSD failure
 H = Out of holding time W = Reported on wet weight basis S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)
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Description: MW-04

Matrix: Aqueous

Date Sampled: 05/10/2022 1200

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	05/18/2022 1632	KJH		42148
2	5030B	8260D	5	05/20/2022 1457	KJH		42465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	36		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	11		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	67		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	11		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	55		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	260		5.0	2.0	ug/L	2

Surrogate	Q	Run 1	Acceptance	Q	Run 2	Acceptance
		% Recovery	Limits		% Recovery	Limits
1,2-Dichloroethane-d4		95	70-130		95	70-130
Toluene-d8		106	70-130		90	70-130
Bromofluorobenzene		105	70-130		98	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	05/19/2022 0254	CAW	05/18/2022 0949	42124

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1

Surrogate	Q	Run 1	Acceptance
		% Recovery	Limits
1,1,1,2-Tetrachloroethane		114	57-137

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: MW-06

Matrix: Aqueous

Date Sampled: 05/10/2022 1300

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	05/18/2022 1655	KJH		42148
2	5030B	8260D	100	05/20/2022 1833	KJH		42465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	220		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	88		10	0.42	ug/L	1
Benzene	71-43-2	8260D	1800		100	40	ug/L	2
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	50		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	59		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	1800		100	40	ug/L	2
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	1.5		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	300		100	40	ug/L	2
Naphthalene	91-20-3	8260D	370		100	40	ug/L	2
tert-butyl alcohol (TBA)	75-65-0	8260D	50		20	8.0	ug/L	1
Toluene	108-88-3	8260D	12000		100	40	ug/L	2
Xylenes (total)	1330-20-7	8260D	10000		100	40	ug/L	2

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	70-130		92	70-130
Toluene-d8		97	70-130		90	70-130
Bromofluorobenzene		110	70-130		96	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	05/19/2022 0305	CAW	05/18/2022 0949	42124

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		114	57-137

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: MW-06 Dup

Matrix: Aqueous

Date Sampled: 05/10/2022 1302

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	05/18/2022 1717	KJH		42148
2	5030B	8260D	100	05/20/2022 1857	KJH		42465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	210		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	89		10	0.42	ug/L	1
Benzene	71-43-2	8260D	1900		100	40	ug/L	2
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	46		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	59		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	1900		100	40	ug/L	2
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	1.5		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	330		100	40	ug/L	2
Naphthalene	91-20-3	8260D	360		100	40	ug/L	2
tert-butyl alcohol (TBA)	75-65-0	8260D	49		20	8.0	ug/L	1
Toluene	108-88-3	8260D	12000		100	40	ug/L	2
Xylenes (total)	1330-20-7	8260D	10000		100	40	ug/L	2

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	70-130		93	70-130
Toluene-d8		107	70-130		88	70-130
Bromofluorobenzene		106	70-130		96	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	05/19/2022 0315	CAW	05/18/2022 0949	42124

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		120	57-137

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: MW-08

Matrix: Aqueous

Date Sampled: 05/10/2022 1406

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	05/18/2022 1738	KJH		42148
2	5030B	8260D	100	05/20/2022 1921	KJH		42465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	1200		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	42		10	0.42	ug/L	1
Benzene	71-43-2	8260D	1800		100	40	ug/L	2
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	44		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	30		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	2500		100	40	ug/L	2
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	74		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	460		100	40	ug/L	2
tert-butyl alcohol (TBA)	75-65-0	8260D	44		20	8.0	ug/L	1
Toluene	108-88-3	8260D	14000		100	40	ug/L	2
Xylenes (total)	1330-20-7	8260D	13000		100	40	ug/L	2

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	70-130		94	70-130
Toluene-d8		107	70-130		91	70-130
Bromofluorobenzene		107	70-130		96	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	05/19/2022 0326	CAW	05/18/2022 0949	42124

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.021	0.0052	ug/L	1

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

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: MW-09

Matrix: Aqueous

Date Sampled: 05/11/2022 1030

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	05/18/2022 1358	KJH		42148

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Toluene-d8		109	70-130
Bromofluorobenzene		100	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	05/19/2022 0410	CAW	05/18/2022 1006	42125

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1

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

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit Q = Surrogate failure
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL L = LCS/LCSD failure
 H = Out of holding time W = Reported on wet weight basis S = MS/MSD failure

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Description: MW-10

Matrix: Aqueous

Date Sampled: 05/11/2022 1430

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	05/18/2022 1420	KJH		42148		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	17	J	20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	2.0		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	18		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	2.2		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1	
Toluene	108-88-3	8260D	5.0		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	13		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		100	70-130						
Toluene-d8		110	70-130						
Bromofluorobenzene		104	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/19/2022 0420	CAW	05/18/2022 1006	42125		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.021	0.0052	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		111	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: MW-11

Matrix: Aqueous

Date Sampled: 05/10/2022 1513

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	05/18/2022 1442	KJH		42148		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1	
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		101	70-130						
Toluene-d8		112	70-130						
Bromofluorobenzene		101	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/19/2022 0442	CAW	05/18/2022 1006	42125		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND	Q	0.020	0.0050	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane	N	193	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: MW-12

Matrix: Aqueous

Date Sampled: 05/10/2022 1558

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	05/18/2022 1505	KJH		42148		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1	
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	0.67	J	1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		97	70-130						
Toluene-d8		108	70-130						
Bromofluorobenzene		101	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/19/2022 0503	CAW	05/18/2022 1006	42125		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		101	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: MW-13

Matrix: Aqueous

Date Sampled: 05/11/2022 1130

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	05/18/2022 1527	KJH		42148

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Toluene-d8		111	70-130
Bromofluorobenzene		99	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	05/19/2022 0514	CAW	05/18/2022 1006	42125

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1

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

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit Q = Surrogate failure
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL L = LCS/LCSD failure
 H = Out of holding time W = Reported on wet weight basis S = MS/MSD failure

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Description: MW-14

Matrix: Aqueous

Date Sampled: 05/11/2022 1100

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	10	05/20/2022 1520	KJH		42465		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	89	J	200	80	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		100	4.2	ug/L	1	
Benzene	71-43-2	8260D	170		10	4.0	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		50	20	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		10	4.0	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		10	4.0	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		200	80	ug/L	1	
Ethanol	64-17-5	8260D	ND		1000	520	ug/L	1	
Ethylbenzene	100-41-4	8260D	320		10	4.0	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		10	4.0	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	13		10	4.0	ug/L	1	
Naphthalene	91-20-3	8260D	110		10	4.0	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		200	80	ug/L	1	
Toluene	108-88-3	8260D	96		10	4.0	ug/L	1	
Xylenes (total)	1330-20-7	8260D	1600		10	4.0	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		96	70-130						
Toluene-d8		91	70-130						
Bromofluorobenzene		97	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/19/2022 0525	CAW	05/18/2022 1006	42125		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0051	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		110	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: DMW-01

Matrix: Aqueous

Date Sampled: 05/10/2022 1010

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	05/18/2022 1549	KJH		42148		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	2.5		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	2.1		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	0.48	J	1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	1.3		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1	
Toluene	108-88-3	8260D	21		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	19		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		98	70-130						
Toluene-d8		110	70-130						
Bromofluorobenzene		102	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/19/2022 0536	CAW	05/18/2022 1006	42125		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		107	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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

Description: DMW-02

Matrix: Aqueous

Date Sampled: 05/10/2022 1331

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	05/18/2022 1611	KJH		42148		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	2.6		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	4.7		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	1.7		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1	
Toluene	108-88-3	8260D	36		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	29		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		97	70-130						
Toluene-d8		108	70-130						
Bromofluorobenzene		103	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/19/2022 0546	CAW	05/18/2022 1006	42125		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0051	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		103	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: DMW-04

Matrix: Aqueous

Date Sampled: 05/10/2022 1101

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	05/19/2022 1653	KJH		42290		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	0.91	J	1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	1.0		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1	
Toluene	108-88-3	8260D	7.9		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	9.1		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		92	70-130						
Toluene-d8		90	70-130						
Bromofluorobenzene		95	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/19/2022 0557	CAW	05/18/2022 1006	42125		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0051	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		102	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: RW-01

Matrix: Aqueous

Date Sampled: 05/10/2022 0930

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	20	05/20/2022 1633	KJH		42465		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		400	160	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	75	J	200	8.4	ug/L	1	
Benzene	71-43-2	8260D	580		20	8.0	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		100	40	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		20	8.0	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	27		20	8.0	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		400	160	ug/L	1	
Ethanol	64-17-5	8260D	ND		2000	1000	ug/L	1	
Ethylbenzene	100-41-4	8260D	300		20	8.0	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		20	8.0	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	440		20	8.0	ug/L	1	
Naphthalene	91-20-3	8260D	98		20	8.0	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		400	160	ug/L	1	
Toluene	108-88-3	8260D	2700		20	8.0	ug/L	1	
Xylenes (total)	1330-20-7	8260D	2400		20	8.0	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		93	70-130						
Toluene-d8		91	70-130						
Bromofluorobenzene		98	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/19/2022 0608	CAW	05/18/2022 1006	42125		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0051	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		117	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: RW-02

Matrix: Aqueous

Date Sampled: 05/10/2022 1123

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	20	05/20/2022 1657	KJH		42465		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	300	J	400	160	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	100	J	200	8.4	ug/L	1	
Benzene	71-43-2	8260D	500		20	8.0	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		100	40	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		20	8.0	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	52		20	8.0	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		400	160	ug/L	1	
Ethanol	64-17-5	8260D	ND		2000	1000	ug/L	1	
Ethylbenzene	100-41-4	8260D	290		20	8.0	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		20	8.0	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	1600		20	8.0	ug/L	1	
Naphthalene	91-20-3	8260D	68		20	8.0	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	270	J	400	160	ug/L	1	
Toluene	108-88-3	8260D	2000		20	8.0	ug/L	1	
Xylenes (total)	1330-20-7	8260D	1600		20	8.0	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		93	70-130						
Toluene-d8		91	70-130						
Bromofluorobenzene		99	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/19/2022 0619	CAW	05/18/2022 1006	42125		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		110	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: RW-02 Dup

Matrix: Aqueous

Date Sampled: 05/10/2022 1125

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	50	05/20/2022 1745	KJH		42465		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	560	J	1000	400	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	220	J	500	21	ug/L	1	
Benzene	71-43-2	8260D	1200		50	20	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		250	100	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		50	20	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	120		50	20	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		1000	400	ug/L	1	
Ethanol	64-17-5	8260D	ND		5000	2600	ug/L	1	
Ethylbenzene	100-41-4	8260D	780		50	20	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		50	20	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	3300		50	20	ug/L	1	
Naphthalene	91-20-3	8260D	180		50	20	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	460	J	1000	400	ug/L	1	
Toluene	108-88-3	8260D	5000		50	20	ug/L	1	
Xylenes (total)	1330-20-7	8260D	4400		50	20	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		94	70-130						
Toluene-d8		91	70-130						
Bromofluorobenzene		97	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/19/2022 0630	CAW	05/18/2022 1006	42125		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		113	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: RW-04

Matrix: Aqueous

Date Sampled: 05/10/2022 1207

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	20	05/20/2022 1721	KJH		42465		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		400	160	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	41	J	200	8.4	ug/L	1	
Benzene	71-43-2	8260D	560		20	8.0	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		100	40	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		20	8.0	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		20	8.0	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		400	160	ug/L	1	
Ethanol	64-17-5	8260D	ND		2000	1000	ug/L	1	
Ethylbenzene	100-41-4	8260D	470		20	8.0	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		20	8.0	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	210		20	8.0	ug/L	1	
Naphthalene	91-20-3	8260D	120		20	8.0	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		400	160	ug/L	1	
Toluene	108-88-3	8260D	2900		20	8.0	ug/L	1	
Xylenes (total)	1330-20-7	8260D	2900		20	8.0	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		95	70-130						
Toluene-d8		91	70-130						
Bromofluorobenzene		96	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/19/2022 0640	CAW	05/18/2022 1006	42125		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		104	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: RW-08

Matrix: Aqueous

Date Sampled: 05/10/2022 1419

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	100	05/20/2022 1945	KJH		42465		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	1300	J	2000	800	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	49	J	1000	42	ug/L	1	
Benzene	71-43-2	8260D	2600		100	40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		500	200	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		100	40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		100	40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		2000	800	ug/L	1	
Ethanol	64-17-5	8260D	ND		10000	5200	ug/L	1	
Ethylbenzene	100-41-4	8260D	3100		100	40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		100	40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	110		100	40	ug/L	1	
Naphthalene	91-20-3	8260D	470		100	40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		2000	800	ug/L	1	
Toluene	108-88-3	8260D	20000		100	40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	15000		100	40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		96	70-130						
Toluene-d8		91	70-130						
Bromofluorobenzene		96	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/19/2022 0651	CAW	05/18/2022 1006	42125		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		109	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: RW-09

Matrix: Aqueous

Date Sampled: 05/10/2022 1433

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	100	05/20/2022 2009	KJH		42465		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		2000	800	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		1000	42	ug/L	1	
Benzene	71-43-2	8260D	1200		100	40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		500	200	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		100	40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		100	40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		2000	800	ug/L	1	
Ethanol	64-17-5	8260D	ND		10000	5200	ug/L	1	
Ethylbenzene	100-41-4	8260D	2300		100	40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		100	40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	56	J	100	40	ug/L	1	
Naphthalene	91-20-3	8260D	490		100	40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		2000	800	ug/L	1	
Toluene	108-88-3	8260D	9400		100	40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	12000		100	40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		93	70-130						
Toluene-d8		91	70-130						
Bromofluorobenzene		100	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/19/2022 0702	CAW	05/18/2022 1006	42125		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0051	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		111	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: RW-10

Matrix: Aqueous

Date Sampled: 05/10/2022 1501

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	100	05/20/2022 2033	KJH		42465		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		2000	800	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	42	J	1000	42	ug/L	1	
Benzene	71-43-2	8260D	1600		100	40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		500	200	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		100	40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		100	40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		2000	800	ug/L	1	
Ethanol	64-17-5	8260D	ND		10000	5200	ug/L	1	
Ethylbenzene	100-41-4	8260D	1800		100	40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		100	40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	110		100	40	ug/L	1	
Naphthalene	91-20-3	8260D	420		100	40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		2000	800	ug/L	1	
Toluene	108-88-3	8260D	5000		100	40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	9900		100	40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		94	70-130						
Toluene-d8		90	70-130						
Bromofluorobenzene		96	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/19/2022 0712	CAW	05/18/2022 1006	42125		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		112	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: RW-11

Matrix: Aqueous

Date Sampled: 05/11/2022 1300

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	100	05/20/2022 2057	KJH		42465		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		2000	800	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	54	J	1000	42	ug/L	1	
Benzene	71-43-2	8260D	1900		100	40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		500	200	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		100	40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		100	40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		2000	800	ug/L	1	
Ethanol	64-17-5	8260D	ND		10000	5200	ug/L	1	
Ethylbenzene	100-41-4	8260D	2200		100	40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		100	40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	180		100	40	ug/L	1	
Naphthalene	91-20-3	8260D	470		100	40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		2000	800	ug/L	1	
Toluene	108-88-3	8260D	11000		100	40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	12000		100	40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		95	70-130						
Toluene-d8		89	70-130						
Bromofluorobenzene		96	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/19/2022 0723	CAW	05/18/2022 1006	42125		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.021	0.0051	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		110	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: RW-12

Matrix: Aqueous

Date Sampled: 05/10/2022 1546

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	50	05/20/2022 1809	KJH		42465		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	730	J	1000	400	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	41	J	500	21	ug/L	1	
Benzene	71-43-2	8260D	1400		50	20	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		250	100	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	37	J	50	20	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	25	J	50	20	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		1000	400	ug/L	1	
Ethanol	64-17-5	8260D	ND		5000	2600	ug/L	1	
Ethylbenzene	100-41-4	8260D	1700		50	20	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		50	20	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	86		50	20	ug/L	1	
Naphthalene	91-20-3	8260D	380		50	20	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		1000	400	ug/L	1	
Toluene	108-88-3	8260D	5600		50	20	ug/L	1	
Xylenes (total)	1330-20-7	8260D	9400		50	20	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		95	70-130						
Toluene-d8		90	70-130						
Bromofluorobenzene		97	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/19/2022 0734	CAW	05/18/2022 1006	42125		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		109	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: RW-13

Matrix: Aqueous

Date Sampled: 05/11/2022 1330

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	10	05/20/2022 1545	KJH		42465		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	120	J	200	80	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	5.9	J	100	4.2	ug/L	1	
Benzene	71-43-2	8260D	190		10	4.0	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		50	20	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		10	4.0	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		10	4.0	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		200	80	ug/L	1	
Ethanol	64-17-5	8260D	ND		1000	520	ug/L	1	
Ethylbenzene	100-41-4	8260D	290		10	4.0	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		10	4.0	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	12		10	4.0	ug/L	1	
Naphthalene	91-20-3	8260D	81		10	4.0	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		200	80	ug/L	1	
Toluene	108-88-3	8260D	480		10	4.0	ug/L	1	
Xylenes (total)	1330-20-7	8260D	1600		10	4.0	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		93	70-130						
Toluene-d8		91	70-130						
Bromofluorobenzene		96	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/19/2022 0745	CAW	05/18/2022 1006	42125		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0051	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		100	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: RW-15

Matrix: Aqueous

Date Sampled: 05/11/2022 1200

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	100	05/20/2022 2120	KJH		42465
2	5030B	8260D	200	05/22/2022 2226	SDC		42567

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	1400	J	2000	800	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	140	J	1000	42	ug/L	1
Benzene	71-43-2	8260D	4100		100	40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		500	200	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	110		100	40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	71	J	100	40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		2000	800	ug/L	1
Ethanol	64-17-5	8260D	ND		10000	5200	ug/L	1
Ethylbenzene	100-41-4	8260D	2400		100	40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		100	40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	480		100	40	ug/L	1
Naphthalene	91-20-3	8260D	500		100	40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		2000	800	ug/L	1
Toluene	108-88-3	8260D	23000		200	80	ug/L	2
Xylenes (total)	1330-20-7	8260D	13000		100	40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130		95	70-130
Toluene-d8		90	70-130		107	70-130
Bromofluorobenzene		96	70-130		102	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	05/19/2022 0756	CAW	05/18/2022 1006	42125

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	0.023	P	0.020	0.0051	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		114	57-137

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: RW-16

Matrix: Aqueous

Date Sampled: 05/11/2022 1500

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	200	05/20/2022 1726	KJH		42455		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	4100		4000	1600	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	240	J	2000	84	ug/L	1	
Benzene	71-43-2	8260D	5700		200	80	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		1000	400	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		200	80	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	130	J	200	80	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND	S	4000	1600	ug/L	1	
Ethanol	64-17-5	8260D	ND	S	20000	10000	ug/L	1	
Ethylbenzene	100-41-4	8260D	3200		200	80	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		200	80	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	670		200	80	ug/L	1	
Naphthalene	91-20-3	8260D	550		200	80	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		4000	1600	ug/L	1	
Toluene	108-88-3	8260D	30000		200	80	ug/L	1	
Xylenes (total)	1330-20-7	8260D	17000		200	80	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		95	70-130						
Toluene-d8		108	70-130						
Bromofluorobenzene		106	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/23/2022 1835	CAW	05/23/2022 0927	42594		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	0.024	P	0.020	0.0049	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		112	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: RW-17

Matrix: Aqueous

Date Sampled: 05/11/2022 1415

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	200	05/20/2022 1748	KJH		42455		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	3500	J	4000	1600	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		2000	84	ug/L	1	
Benzene	71-43-2	8260D	2100		200	80	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		1000	400	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		200	80	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		200	80	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		4000	1600	ug/L	1	
Ethanol	64-17-5	8260D	ND		20000	10000	ug/L	1	
Ethylbenzene	100-41-4	8260D	2600		200	80	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		200	80	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		200	80	ug/L	1	
Naphthalene	91-20-3	8260D	450		200	80	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		4000	1600	ug/L	1	
Toluene	108-88-3	8260D	23000		200	80	ug/L	1	
Xylenes (total)	1330-20-7	8260D	13000		200	80	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		99	70-130						
Toluene-d8		110	70-130						
Bromofluorobenzene		107	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/23/2022 1846	CAW	05/23/2022 0927	42594		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0049	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		103	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: CK-01

Matrix: Aqueous

Date Sampled: 05/10/2022 1342

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	05/20/2022 1426	KJH		42455		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	15	J	20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	0.80	J	10	0.42	ug/L	1	
Benzene	71-43-2	8260D	18		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	0.42	J	1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	28		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	5.1		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	5.8		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1	
Toluene	108-88-3	8260D	57		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	140		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		97	70-130						
Toluene-d8		110	70-130						
Bromofluorobenzene		105	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/23/2022 1908	CAW	05/23/2022 0927	42594		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		90	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: CK-02

Matrix: Aqueous

Date Sampled: 05/10/2022 1348

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	05/20/2022 1449	KJH		42455		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	14	J	20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	5.9		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	7.7		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	2.4		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	2.2		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1	
Toluene	108-88-3	8260D	12		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	42		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		94	70-130						
Toluene-d8		108	70-130						
Bromofluorobenzene		104	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/23/2022 1930	CAW	05/23/2022 0927	42594		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		91	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: CK-03

Matrix: Aqueous

Date Sampled: 05/10/2022 1354

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	05/20/2022 1511	KJH		42455		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	4.7		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	6.5		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	2.4		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	2.2		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1	
Toluene	108-88-3	8260D	11		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	37		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		96	70-130						
Toluene-d8		108	70-130						
Bromofluorobenzene		102	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/23/2022 1941	CAW	05/23/2022 0927	42594		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		82	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: CK-04

Matrix: Aqueous

Date Sampled: 05/10/2022 1336

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	05/20/2022 1534	KJH		42455		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	0.84	J	1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	1.3		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	1.1		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1	
Toluene	108-88-3	8260D	1.2		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	6.7		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		95	70-130						
Toluene-d8		108	70-130						
Bromofluorobenzene		102	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/23/2022 1952	CAW	05/23/2022 0927	42594		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		107	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: EB-01

Matrix: Aqueous

Date Sampled: 05/10/2022 1600

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	05/19/2022 1229	KJH		42290		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1	
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		91	70-130						
Toluene-d8		91	70-130						
Bromofluorobenzene		95	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/23/2022 2003	CAW	05/23/2022 0927	42594		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		126	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: EB-02

Matrix: Aqueous

Date Sampled: 05/11/2022 1525

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	05/19/2022 1253	KJH		42290

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		92	70-130
Bromofluorobenzene		98	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	05/23/2022 2013	CAW	05/23/2022 0927	42594

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1

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

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit Q = Surrogate failure
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL L = LCS/LCSD failure
 H = Out of holding time W = Reported on wet weight basis S = MS/MSD failure

Description: FB-01

Matrix: Aqueous

Date Sampled: 05/10/2022 0915

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	05/19/2022 1317	KJH		42290		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1	
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		92	70-130						
Toluene-d8		90	70-130						
Bromofluorobenzene		96	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	05/23/2022 2024	CAW	05/23/2022 0927	42594		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		108	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: FB-02

Matrix: Aqueous

Date Sampled: 05/11/2022 1530

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	05/19/2022 1341	KJH		42290

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		92	70-130
Bromofluorobenzene		97	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	05/23/2022 2035	CAW	05/23/2022 0927	42594

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1

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

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: TB-01

Matrix: Aqueous

Date Sampled: 05/10/2022

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	05/19/2022 1405	KJH		42290		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1	
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		90	70-130						
Toluene-d8		90	70-130						
Bromofluorobenzene		95	70-130						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ42148-001

Matrix: Aqueous

Batch: 42148

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	05/18/2022 1052
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	05/18/2022 1052
Benzene	ND		1	1.0	0.40	ug/L	05/18/2022 1052
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	05/18/2022 1052
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	05/18/2022 1052
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	05/18/2022 1052
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	05/18/2022 1052
Ethanol	ND		1	100	52	ug/L	05/18/2022 1052
Ethylbenzene	ND		1	1.0	0.40	ug/L	05/18/2022 1052
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	05/18/2022 1052
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	05/18/2022 1052
Naphthalene	ND		1	1.0	0.40	ug/L	05/18/2022 1052
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	05/18/2022 1052
Toluene	ND		1	1.0	0.40	ug/L	05/18/2022 1052
Xylenes (total)	ND		1	1.0	0.40	ug/L	05/18/2022 1052
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		97	70-130				
Toluene-d8		110	70-130				
Bromofluorobenzene		102	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ42148-002

Matrix: Aqueous

Batch: 42148

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	890		1	89	70-130	05/18/2022 0939
tert-Amyl methyl ether (TAME)	50	52		1	104	70-130	05/18/2022 0939
Benzene	50	46		1	93	70-130	05/18/2022 0939
tert-Butyl formate (TBF)	250	260		1	106	70-130	05/18/2022 0939
1,2-Dichloroethane	50	50		1	99	70-130	05/18/2022 0939
Diisopropyl ether (IPE)	50	50		1	101	70-130	05/18/2022 0939
3,3-Dimethyl-1-butanol	1000	940		1	94	70-130	05/18/2022 0939
Ethanol	5000	5300		1	105	70-130	05/18/2022 0939
Ethylbenzene	50	49		1	99	70-130	05/18/2022 0939
Ethyl-tert-butyl ether (ETBE)	50	49		1	98	70-130	05/18/2022 0939
Methyl tertiary butyl ether (MTBE)	50	48		1	96	70-130	05/18/2022 0939
Naphthalene	50	45		1	91	70-130	05/18/2022 0939
tert-butyl alcohol (TBA)	1000	1000		1	101	70-130	05/18/2022 0939
Toluene	50	50		1	100	70-130	05/18/2022 0939
Xylenes (total)	100	100		1	100	70-130	05/18/2022 0939
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		95	70-130				
Toluene-d8		97	70-130				
Bromofluorobenzene		96	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ42290-001

Matrix: Aqueous

Batch: 42290

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	05/19/2022 1114
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	05/19/2022 1114
Benzene	ND		1	1.0	0.40	ug/L	05/19/2022 1114
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	05/19/2022 1114
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	05/19/2022 1114
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	05/19/2022 1114
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	05/19/2022 1114
Ethanol	ND		1	100	52	ug/L	05/19/2022 1114
Ethylbenzene	ND		1	1.0	0.40	ug/L	05/19/2022 1114
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	05/19/2022 1114
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	05/19/2022 1114
Naphthalene	ND		1	1.0	0.40	ug/L	05/19/2022 1114
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	05/19/2022 1114
Toluene	ND		1	1.0	0.40	ug/L	05/19/2022 1114
Xylenes (total)	ND		1	1.0	0.40	ug/L	05/19/2022 1114

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		93	70-130
Bromofluorobenzene		99	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ42290-002

Matrix: Aqueous

Batch: 42290

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	900		1	90	70-130	05/19/2022 0958
tert-Amyl methyl ether (TAME)	50	48		1	96	70-130	05/19/2022 0958
Benzene	50	48		1	96	70-130	05/19/2022 0958
tert-Butyl formate (TBF)	250	200		1	79	70-130	05/19/2022 0958
1,2-Dichloroethane	50	53		1	106	70-130	05/19/2022 0958
Diisopropyl ether (IPE)	50	47		1	94	70-130	05/19/2022 0958
3,3-Dimethyl-1-butanol	1000	870		1	87	70-130	05/19/2022 0958
Ethanol	5000	4200		1	85	70-130	05/19/2022 0958
Ethylbenzene	50	51		1	101	70-130	05/19/2022 0958
Ethyl-tert-butyl ether (ETBE)	50	45		1	91	70-130	05/19/2022 0958
Methyl tertiary butyl ether (MTBE)	50	41		1	82	70-130	05/19/2022 0958
Naphthalene	50	46		1	93	70-130	05/19/2022 0958
tert-butyl alcohol (TBA)	1000	910		1	91	70-130	05/19/2022 0958
Toluene	50	50		1	99	70-130	05/19/2022 0958
Xylenes (total)	100	100		1	100	70-130	05/19/2022 0958
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		101	70-130				
Toluene-d8		99	70-130				
Bromofluorobenzene		102	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ42455-001

Matrix: Aqueous

Batch: 42455

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	05/20/2022 1128
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	05/20/2022 1128
Benzene	ND		1	1.0	0.40	ug/L	05/20/2022 1128
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	05/20/2022 1128
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	05/20/2022 1128
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	05/20/2022 1128
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	05/20/2022 1128
Ethanol	ND		1	100	52	ug/L	05/20/2022 1128
Ethylbenzene	ND		1	1.0	0.40	ug/L	05/20/2022 1128
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	05/20/2022 1128
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	05/20/2022 1128
Naphthalene	ND		1	1.0	0.40	ug/L	05/20/2022 1128
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	05/20/2022 1128
Toluene	ND		1	1.0	0.40	ug/L	05/20/2022 1128
Xylenes (total)	ND		1	1.0	0.40	ug/L	05/20/2022 1128
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		95	70-130				
Toluene-d8		110	70-130				
Bromofluorobenzene		103	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ42455-002

Matrix: Aqueous

Batch: 42455

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	920		1	92	70-130	05/20/2022 1015
tert-Amyl methyl ether (TAME)	50	53		1	107	70-130	05/20/2022 1015
Benzene	50	47		1	95	70-130	05/20/2022 1015
tert-Butyl formate (TBF)	250	270		1	109	70-130	05/20/2022 1015
1,2-Dichloroethane	50	49		1	98	70-130	05/20/2022 1015
Diisopropyl ether (IPE)	50	51		1	102	70-130	05/20/2022 1015
3,3-Dimethyl-1-butanol	1000	860		1	86	70-130	05/20/2022 1015
Ethanol	5000	4900		1	98	70-130	05/20/2022 1015
Ethylbenzene	50	51		1	102	70-130	05/20/2022 1015
Ethyl-tert-butyl ether (ETBE)	50	49		1	98	70-130	05/20/2022 1015
Methyl tertiary butyl ether (MTBE)	50	47		1	95	70-130	05/20/2022 1015
Naphthalene	50	43		1	86	70-130	05/20/2022 1015
tert-butyl alcohol (TBA)	1000	1000		1	102	70-130	05/20/2022 1015
Toluene	50	50		1	101	70-130	05/20/2022 1015
Xylenes (total)	100	100		1	103	70-130	05/20/2022 1015
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		93	70-130				
Toluene-d8		99	70-130				
Bromofluorobenzene		97	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - MS

Sample ID: XE12112-027MS

Matrix: Aqueous

Batch: 42455

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	4100	200000	160000		200	76	70-130	05/20/2022 1810
tert-Amyl methyl ether (TAME)	240	10000	11000		200	111	70-130	05/20/2022 1810
Benzene	5700	10000	16000		200	102	70-130	05/20/2022 1810
tert-Butyl formate (TBF)	ND	50000	55000		200	111	70-130	05/20/2022 1810
1,2-Dichloroethane	ND	10000	10000		200	101	70-130	05/20/2022 1810
Diisopropyl ether (IPE)	130	10000	11000		200	108	70-130	05/20/2022 1810
3,3-Dimethyl-1-butanol	ND	200000	140000	N	200	69	70-130	05/20/2022 1810
Ethanol	ND	1000000	460000	N	200	46	70-130	05/20/2022 1810
Ethylbenzene	3200	10000	14000		200	106	70-130	05/20/2022 1810
Ethyl-tert-butyl ether (ETBE)	ND	10000	11000		200	105	70-130	05/20/2022 1810
Methyl tertiary butyl ether (MTBE)	670	10000	11000		200	107	70-130	05/20/2022 1810
Naphthalene	550	10000	7600		200	71	70-130	05/20/2022 1810
tert-butyl alcohol (TBA)	ND	200000	160000		200	80	70-130	05/20/2022 1810
Toluene	30000	10000	40000		200	96	70-130	05/20/2022 1810
Xylenes (total)	17000	20000	39000		200	107	70-130	05/20/2022 1810

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		100	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - MSD

Sample ID: XE12112-027MD

Matrix: Aqueous

Batch: 42455

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	4100	200000	180000		200	89	15	70-130	20	05/20/2022 1832
tert-Amyl methyl ether (TAME)	240	10000	11000		200	103	6.7	70-130	20	05/20/2022 1832
Benzene	5700	10000	16000		200	100	1.3	70-130	20	05/20/2022 1832
tert-Butyl formate (TBF)	ND	50000	52000		200	104	6.0	70-130	20	05/20/2022 1832
1,2-Dichloroethane	ND	10000	9900		200	99	1.9	70-130	20	05/20/2022 1832
Diisopropyl ether (IPE)	130	10000	10000		200	102	5.7	70-130	20	05/20/2022 1832
3,3-Dimethyl-1-butanol	ND	200000	160000		200	79	14	70-130	20	05/20/2022 1832
Ethanol	ND	1000000	920000	+	200	92	67	70-130	20	05/20/2022 1832
Ethylbenzene	3200	10000	14000		200	107	0.81	70-130	20	05/20/2022 1832
Ethyl-tert-butyl ether (ETBE)	ND	10000	9800		200	98	7.1	70-130	20	05/20/2022 1832
Methyl tertiary butyl ether (MTBE)	670	10000	10000		200	94	12	70-130	20	05/20/2022 1832
Naphthalene	550	10000	8800		200	83	15	70-130	20	05/20/2022 1832
tert-butyl alcohol (TBA)	ND	200000	200000		200	98	20	70-130	20	05/20/2022 1832
Toluene	30000	10000	39000		200	91	1.4	70-130	20	05/20/2022 1832
Xylenes (total)	17000	20000	39000		200	106	0.34	70-130	20	05/20/2022 1832

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		99	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

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DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ42465-001

Matrix: Aqueous

Batch: 42465

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	05/20/2022 1241
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	05/20/2022 1241
Benzene	ND		1	1.0	0.40	ug/L	05/20/2022 1241
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	05/20/2022 1241
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	05/20/2022 1241
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	05/20/2022 1241
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	05/20/2022 1241
Ethanol	ND		1	100	52	ug/L	05/20/2022 1241
Ethylbenzene	ND		1	1.0	0.40	ug/L	05/20/2022 1241
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	05/20/2022 1241
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	05/20/2022 1241
Naphthalene	ND		1	1.0	0.40	ug/L	05/20/2022 1241
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	05/20/2022 1241
Toluene	ND		1	1.0	0.40	ug/L	05/20/2022 1241
Xylenes (total)	ND		1	1.0	0.40	ug/L	05/20/2022 1241
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		91	70-130				
Toluene-d8		90	70-130				
Bromofluorobenzene		94	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ42465-002

Matrix: Aqueous

Batch: 42465

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	850		1	85	70-130	05/20/2022 1133
tert-Amyl methyl ether (TAME)	50	45		1	90	70-130	05/20/2022 1133
Benzene	50	44		1	87	70-130	05/20/2022 1133
tert-Butyl formate (TBF)	250	190		1	78	70-130	05/20/2022 1133
1,2-Dichloroethane	50	49		1	98	70-130	05/20/2022 1133
Diisopropyl ether (IPE)	50	43		1	87	70-130	05/20/2022 1133
3,3-Dimethyl-1-butanol	1000	820		1	82	70-130	05/20/2022 1133
Ethanol	5000	4100		1	81	70-130	05/20/2022 1133
Ethylbenzene	50	45		1	90	70-130	05/20/2022 1133
Ethyl-tert-butyl ether (ETBE)	50	42		1	84	70-130	05/20/2022 1133
Methyl tertiary butyl ether (MTBE)	50	43		1	85	70-130	05/20/2022 1133
Naphthalene	50	44		1	87	70-130	05/20/2022 1133
tert-butyl alcohol (TBA)	1000	880		1	88	70-130	05/20/2022 1133
Toluene	50	44		1	88	70-130	05/20/2022 1133
Xylenes (total)	100	90		1	90	70-130	05/20/2022 1133
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		92	70-130				
Toluene-d8		88	70-130				
Bromofluorobenzene		92	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

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J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

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Volatile Organic Compounds by GC/MS - MS

Sample ID: XE12112-003MS

Matrix: Aqueous

Batch: 42465

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	ND	5000	4000		5	80	70-130	05/20/2022 2144
tert-Amyl methyl ether (TAME)	ND	250	240		5	96	70-130	05/20/2022 2144
Benzene	12	250	260		5	98	70-130	05/20/2022 2144
tert-Butyl formate (TBF)	ND	1300	56	N	5	4.4	70-130	05/20/2022 2144
1,2-Dichloroethane	ND	250	270		5	109	70-130	05/20/2022 2144
Diisopropyl ether (IPE)	ND	250	230		5	93	70-130	05/20/2022 2144
3,3-Dimethyl-1-butanol	ND	5000	4000		5	79	70-130	05/20/2022 2144
Ethanol	ND	25000	19000		5	75	70-130	05/20/2022 2144
Ethylbenzene	57	250	310		5	102	70-130	05/20/2022 2144
Ethyl-tert-butyl ether (ETBE)	ND	250	220		5	89	70-130	05/20/2022 2144
Methyl tertiary butyl ether (MTBE)	ND	250	220		5	90	70-130	05/20/2022 2144
Naphthalene	11	250	240		5	92	70-130	05/20/2022 2144
tert-butyl alcohol (TBA)	ND	5000	4800		5	97	70-130	05/20/2022 2144
Toluene	42	250	290		5	100	70-130	05/20/2022 2144
Xylenes (total)	260	500	780		5	102	70-130	05/20/2022 2144
Surrogate	Q	% Rec	Acceptance Limit					
1,2-Dichloroethane-d4		103	70-130					
Toluene-d8		99	70-130					
Bromofluorobenzene		102	70-130					

LOQ = Limit of Quantitation

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DL = Detection Limit

J = Estimated result < LOQ and \geq DL

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Volatile Organic Compounds by GC/MS - MSD

Sample ID: XE12112-003MD

Matrix: Aqueous

Batch: 42465

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	ND	5000	4100		5	82	2.6	70-130	20	05/20/2022 2209
tert-Amyl methyl ether (TAME)	ND	250	240		5	97	1.5	70-130	20	05/20/2022 2209
Benzene	12	250	260		5	98	0.18	70-130	20	05/20/2022 2209
tert-Butyl formate (TBF)	ND	1300	52	N	5	4.2	6.1	70-130	20	05/20/2022 2209
1,2-Dichloroethane	ND	250	280		5	110	0.94	70-130	20	05/20/2022 2209
Diisopropyl ether (IPE)	ND	250	230		5	93	0.12	70-130	20	05/20/2022 2209
3,3-Dimethyl-1-butanol	ND	5000	4200		5	83	5.2	70-130	20	05/20/2022 2209
Ethanol	ND	25000	19000		5	78	3.5	70-130	20	05/20/2022 2209
Ethylbenzene	57	250	310		5	102	0.33	70-130	20	05/20/2022 2209
Ethyl-tert-butyl ether (ETBE)	ND	250	230		5	91	1.8	70-130	20	05/20/2022 2209
Methyl tertiary butyl ether (MTBE)	ND	250	230		5	92	2.9	70-130	20	05/20/2022 2209
Naphthalene	11	250	260		5	98	6.0	70-130	20	05/20/2022 2209
tert-butyl alcohol (TBA)	ND	5000	5000		5	99	2.1	70-130	20	05/20/2022 2209
Toluene	42	250	290		5	101	0.26	70-130	20	05/20/2022 2209
Xylenes (total)	260	500	770		5	102	0.089	70-130	20	05/20/2022 2209
Surrogate	Q	% Rec	Acceptance Limit							
1,2-Dichloroethane-d4		103	70-130							
Toluene-d8		99	70-130							
Bromofluorobenzene		99	70-130							

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

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DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ42567-001

Matrix: Aqueous

Batch: 42567

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
Toluene	ND		1	1.0	0.40	ug/L	05/22/2022 1436
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		99	70-130				
Toluene-d8		110	70-130				
Bromofluorobenzene		101	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ42567-002

Matrix: Aqueous

Batch: 42567

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Toluene	50	44		1	87	70-130	05/22/2022 1334
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		87	70-130				
Toluene-d8		86	70-130				
Bromofluorobenzene		89	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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EDB & DBCP by Microextraction - MB

Sample ID: XQ42124-001

Matrix: Aqueous

Batch: 42124

Prep Method: 8011

Analytical Method: 8011

Prep Date: 05/18/2022 0949

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.0050	ug/L	05/18/2022 2318
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		116	57-137				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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EDB & DBCP by Microextraction - LCS

Sample ID: XQ42124-002

Matrix: Aqueous

Batch: 42124

Prep Method: 8011

Analytical Method: 8011

Prep Date: 05/18/2022 0949

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.25		1	100	60-140	05/18/2022 2329
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		104	57-137				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

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

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EDB & DBCP by Microextraction - MB

Sample ID: XQ42125-001

Matrix: Aqueous

Batch: 42125

Prep Method: 8011

Analytical Method: 8011

Prep Date: 05/18/2022 1006

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.0050	ug/L	05/19/2022 0348
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		110	57-137				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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EDB & DBCP by Microextraction - LCS

Sample ID: XQ42125-002

Matrix: Aqueous

Batch: 42125

Prep Method: 8011

Analytical Method: 8011

Prep Date: 05/18/2022 1006

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.26		1	106	60-140	05/19/2022 0359
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		105	57-137				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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EDB & DBCP by Microextraction - MS

Sample ID: XE12112-008MS

Matrix: Aqueous

Batch: 42125

Prep Method: 8011

Analytical Method: 8011

Prep Date: 05/18/2022 1006

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	0.25	0.29		1	116	60-140	05/19/2022 0431
Surrogate	Q	% Rec	Acceptance Limit					
1,1,1,2-Tetrachloroethane		122	57-137					

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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EDB & DBCP by Microextraction - Duplicate

Sample ID: XE12112-009DU

Matrix: Aqueous

Batch: 42125

Prep Method: 8011

Analytical Method: 8011

Prep Date: 05/18/2022 1006

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	%RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	05/19/2022 0453
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		97	57-137				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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EDB & DBCP by Microextraction - MB

Sample ID: XQ42594-001

Matrix: Aqueous

Batch: 42594

Prep Method: 8011

Analytical Method: 8011

Prep Date: 05/23/2022 0927

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.0050	ug/L	05/23/2022 1729
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		102	57-137				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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EDB & DBCP by Microextraction - LCS

Sample ID: XQ42594-002

Matrix: Aqueous

Batch: 42594

Prep Method: 8011

Analytical Method: 8011

Prep Date: 05/23/2022 0927

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.25		1	102	60-140	05/23/2022 1740
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		109	57-137				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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

EDB & DBCP by Microextraction - MS

Sample ID: XE12112-028MS

Matrix: Aqueous

Batch: 42594

Prep Method: 8011

Analytical Method: 8011

Prep Date: 05/23/2022 0927

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	0.25	0.28		1	112	60-140	05/23/2022 1857
Surrogate	Q	% Rec	Acceptance Limit					
1,1,1,2-Tetrachloroethane		112	57-137					

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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EDB & DBCP by Microextraction - Duplicate

Sample ID: XE12112-029DU

Matrix: Aqueous

Batch: 42594

Prep Method: 8011

Analytical Method: 8011

Prep Date: 05/23/2022 0927

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	%RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	05/23/2022 1919
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		94	57-137				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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**Chain of Custody
and
Miscellaneous Documents**

PACE ANALYTICAL SERVICES, LLC



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 Telephone No. 803-791-9700 Fax No. 803-791-9111
 www.pacelabs.com

Number 133907

Client: BLE	Region Contact: Trevor Benton	Telephone No. / E-mail: trevor.benton@blecorp.com	Change No.:
Address: 6004 Ponders Ct	Sampler's Signature: <i>[Signature]</i>	Analysis (Attach if more space is needed)	Page 1 of 4
City: Greenville	Printed Name: Brendan Wright	Barcode: XE12112	LID
Project Name: Fmc. Highway 11 Grocery		Remains / Cooler I.D.	
Project No.: J22-10769-08			
Sample ID / Description (Confirm for each sample may be combined on one line.)	Collection Date	Collection Time	Matrix
MW-02	5/10/22	1110	✓
MW-03	5/10/22	1132	✓
MW-04	5/10/22	1200	✓
MW-06	5/10/22	1300	✓
MW-06 Dup	5/10/22	1302	✓
MW-08	5/10/22	1406	✓
MW-09	5/10/22	1030	✓
MW-10	5/10/22	1430	✓
MW-11	5/10/22	1513	✓
MW-12	5/10/22	1558	✓

Turn Around Time Required (Prior lab approval required for expedited TAT.) Standard <input type="checkbox"/> Rush <input type="checkbox"/> (Specify)	Sample Disposal <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Dispose by Lab	Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison <input type="checkbox"/> Unknown
1. Relinquished by: <i>Brendan Wright</i>	Date: 5-12	Time: 0855
2. Relinquished by: <i>[Signature]</i>	Date: 5-12	Time: 1630
3. Relinquished by:	Date:	Time:
4. Relinquished by:	Date:	Time:

Note: All samples are retained for four weeks from receipt unless other arrangements are made.	OC Requirements (Specify)	Date: 5/12/22 Time: 1630 Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
		Receipt Temp: 2.9 °C #57 No Ice Pack

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy
 Document Number: ME03082-07

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 www.pacelabs.com

Number 133908

Client: BLE	Report to Contact: Trevor Benton	Telephone No. / E-mail: trevor.benton@blecorp.com	Quote No.:		
Address: 6004 Ponders Ct	Sampler's Signature: <i>[Signature]</i>	Analysis (if each has it more space is needed)	Page: 2 of 4		
City: Greenville, SC 29615	Project Name: FMC Highway 11 Grocery	 XE12112 LUG Remarks / Cooler ID:			
Project No. 772-10769-08	Project Name: Brendan Wright				
Sample ID / Description (Containers for each sample may be combined on one line.)	Collection Label	Collection Time (M:PM)	Matrix	No. of Containers by Preservative Type	OC Requirements (Specify)
MW-13	5/11/22	1130	Water	5	None
MW-14	5/11/22	1100	Water	5	None
DMW-01	5/10/22	1010	Water	5	None
DMW-02	5/10/22	1331	Water	5	None
DMW-04	5/10/22	1101	Water	5	None
RW-01	5/10/22	930	Water	5	None
RW-02	5/10/22	1123	Water	5	None
RW-02 Dup	5/10/22	1125	Water	5	None
RW-04	5/10/22	1207	Water	5	None
RW-08	5/10/22	1419	Water	5	None

Handwritten notes in grid:
 - MW-13: F08 (Bottle)
 - MW-14: F08 (Bottle)
 - DMW-01: F08 (Bottle)
 - DMW-02: F08 (Bottle)
 - DMW-04: F08 (Bottle)
 - RW-01: F08 (Bottle)
 - RW-02: F08 (Bottle)
 - RW-04: F08 (Bottle)
 - RW-08: F08 (Bottle)

Turn Around Time Required (Prior lab approval required for expedited lab.)
 Standard Rush (Specify)

1. Requisitioned by: *Brendan Wright* Date: 5-12 Time: 0855
 2. Requisitioned by: *[Signature]* Date: 5-12 Time: 1630
 3. Requisitioned by: *[Signature]* Date: Time:
 4. Requisitioned by: *[Signature]* Date: Time:

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

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

Document Number: ME00092-01

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Number 133909

Client BLE	Report to Contact Trevor Benton	Telephone No. / E-mail trevor.benton@blecorp.com	Quote No.
Address 6004 Ponders Ct	Sampler's Signature <i>[Signature]</i>	Analysis (Alt text: Not if more space is needed)	Page 3 of 4
City Greenville	Printed Name Brendan Wright	BLE	XE12112
Project Name Fms. Highway 11 Grocery	Project No. J22-10767-08	Matrix	LMO
State SC	Zip Code 29615	City	Remains / Cooler I.D.
Collection Date	Collection Time (Military)	Number of Containers by Preservative Type	
5/10/22	1433	ROB X	Odor
5/10/22	1501	ROB Y	Odor
5/11/22	1300	ROB Z	Odor, film
5/10/22	1546	ROB W	
5/11/22	1330	ROB V	
6/1/22	1200	ROB U	Odor, film
5/11/22	1500	ROB T	Odor
5/11/22	1415	ROB S	
5/10/22	1342	ROB R	
5/10/22	1348	ROB Q	

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

1. Requisitioned by: *Brendan Wright* Date: **5-12-22** Time: **0855**

2. Requisitioned by: _____ Date: **5-12-22** Time: **1630**

3. Requisitioned by: _____ Date: _____ Time: _____

4. Requisitioned by: _____ Date: **5/12/22** Time: **1630**

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

DC Requirements (Specify)

1. Received by	Date	Time
2. Received by	Date	Time
3. Received by	Date	Time
4. Laboratory received by	Date	Time

LAB USE ONLY
 Received on ice (Dry) Yes No **Temp Blank** Y N **Temp** **2.7** °C

Document Number: MEC0302-01

PACE ANALYTICAL SERVICES, LLC



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 www.pacelabs.com

Number 133906

Client DLF	Player to Contact Trevor Benton	Telephone No. / E-mail trevor.benton@pacelabs.com	Date No.
Address 6004 Poodles Ct	Sampler's Signature <i>[Signature]</i>	Analysis (Attach list if more space is needed)	Page 1 of 4
City Greenville	Printed Name Brendan Wright	5 DB (8011)	
Project Name Former Highway N Grocery	State SC	1.2 DCF + CR (2008)	XE12112
Project No. J12-10764-08	Zip Code 29615		LID
Sample ID / Description (Containers for each sample may be combined on one line.)	Collection Date/Time	Collection Time (Military)	Remarks / Cooler ID.
CK-03	X	1354	
CK-03	5/10/22	1336	
CK-04	5/10/22	1600	
EB-01	5/11/22	1525	
EB-02	5/10/22	915	
FB-01	5/11/22	1530	
FB-02	LAB	LAB	
TB-01			

Turn Around Time Required (Prior lab approval required for expedited TAT) <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (Specify)	Sample Disposition <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Dispose by Lab	Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison <input type="checkbox"/> Unknown
1. Requisitioned by Brendan Wright	Date 5-12	Time 0855
2. Requisitioned by	Date 5-12	Time 1630
3. Requisitioned by	Date	Time
4. Requisitioned by	Date	Time
Note: All samples are retained for four weeks from receipt unless other arrangements are made.		
LAB USE ONLY	Received on ice (Check) <input type="checkbox"/> (Say) No	Ice Pack <input type="checkbox"/> Y <input type="checkbox"/> N
LAB Temp 2.7 °C	Reprint Temp	

Distribution: WHITE & YELLOW Return to Laboratory with Sample(s); PINK-FIELD/Client Copy
 Document Number: MED00303-01

PACE ANALYTICAL SERVICES, LLC



Samples Receipt Checklist (SRC) (ME0018C-15)

Issuing Authority: Pace ENV - WCOL

Revised: 9/29/2020

Page 1 of 1

Sample Receipt Checklist (SRC)

Client: BLE

Cooler Inspected by/date: CBP / 05/11/2022

Lot #: XC12112

Means of receipt: <input checked="" type="checkbox"/> Pace <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Other:		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	1. Were custody seals present on the cooler?	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	2. If custody seals were present, were they intact and unbroken?	
pH Strip ID: NA Chlorine Strip ID: NA		Tested by: NA
Original temperature upon receipt / Derived (Corrected) temperature upon receipt 2.7 / 2.7 °C NA / NA °C NA / NA °C		%Solid Snap-Cup ID: NA
Method: <input type="checkbox"/> Temperature Blank <input checked="" type="checkbox"/> Against Bottles		IR Gun ID: 5 IR Gun Correction Factor: 0 °C
Method of coolant: <input type="checkbox"/> Wet Ice <input type="checkbox"/> Ice Packs <input type="checkbox"/> Dry Ice <input checked="" type="checkbox"/> None		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one).	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	4. Is the commercial courier's packing slip attached to this form?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. Were proper custody procedures (relinquished/received) followed?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6. Were sample IDs listed on the COC?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7. Were sample IDs listed on all sample containers?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8. Was collection date & time listed on the COC?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9. Was collection date & time listed on all sample containers?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10. Did all container label information (ID, date, time) agree with the COC?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. Were tests to be performed listed on the COC?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13. Was adequate sample volume available?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	14. Were all samples received within 1/2 the holding time or 48 hours, whichever comes first?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	15. Were any samples containers missing/excess (circle one) samples Not listed on COC?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	16. For VOA and RSK-175 samples, were bubbles present >"pea-size" (1/4" or 6mm in diameter) in any of the VOA vials?	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	17. Were all DRO/metals/nutrient samples received at a pH of < 2?	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	19. Were all applicable NH ₃ /TKN/cyanide/phenol/625.1/608.3 (< 0.5mg/L) samples free of residual chlorine?	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	21. Was the quote number listed on the container label? If yes, Quote #	
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)		
Sample(s) NA were received incorrectly preserved and were adjusted accordingly		
in sample receiving with NA mL, of circle one: H2SO4, HNO3, HCl, NaOH using SR # NA		
Time of preservation NA. If more than one preservative is needed, please note in the comments below.		
Sample(s) NA were received with bubbles >6 mm in diameter.		
Samples(s) NA were received with TRC > 0.5 mg/L (If #19 is no) and were adjusted accordingly in sample receiving with sodium thiosulfate (Na ₂ S ₂ O ₃) with Shealy ID: NA		
SR barcode labels applied by: CBP		Date: 05/12/2022
Comments:		



Report of Analysis

Bunnell-Lammons Engineering, Inc.
6004 Ponders Court
Greenville, SC 29615
Attention: Trevor Benton

Project Name: Fmr. Highway 11 Grocery

Project Number: J22-10769-08

Lot Number: **XE12100**

Date Completed: 05/24/2022

05/25/2022 9:08 AM

Approved and released by:
Project Manager II: **Lucas Odom**



The electronic signature above is the equivalent of a handwritten signature.
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PACE ANALYTICAL SERVICES, LLC

SC DHEC No: 32010001

NELAC No: E87653

NC DENR No: 329

NC Field Parameters No: 5639

Case Narrative Bunnell-Lammons Engineering, Inc. Lot Number: XE12100

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

All results listed in this report relate only to the samples that are contained within this report. Where sampling is conducted by the client, results relate to the accuracy of the information provided, and as the samples are received.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved The NELAC Institute (TNI) standards, the Pace Analytical Services, LLC ("Pace") Laboratory Quality Manual, standard operating procedures (SOPs), and Pace policies. Any exceptions to the TNI standards, the Laboratory Quality Manual, SOPs or policies are qualified on the results page or discussed below.

Pace is a TNI accredited laboratory; however, the following analyses are currently not listed on our TNI scope of accreditation: Drinking Water: VOC (excluding BTEX, MTBE, Naphthalene, & 1,2-dichloroethane) EPA 524.2, E. coli and Total coliforms SM 9223 B-2004, Solid Chemical Material: TOC Walkley-Black, Biological Tissue: All, Non-Potable Water: SGT-HEM EPA 1664B, Silica EPA 200.7, Boron, Calcium, Silicon, Strontium EPA 200.8, Bicarbonate, Carbonate, and Hydroxide Alkalinity SM 2320 B-2011, SM 9221 C E-2006 & SM 9222D-2006, Strontium SW-846 6010D, VOC SM 6200 B-2011, Fecal Coliform Colilert-18.

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

Subcontracted Analysis

The analysis of 524.2 VOCs has been performed by Pace Huntersville. This data has been amended to this lot.

PACE ANALYTICAL SERVICES, LLC

Sample Summary Bunnell-Lammons Engineering, Inc. Lot Number: XE12100

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	WSW-01	Aqueous	05/10/2022 1216	05/12/2022
002	WSW-01 Dup	Aqueous	05/10/2022 1218	05/12/2022
003	WSW FB-01	Aqueous	05/10/2022 1210	05/12/2022
004	TB-01	Aqueous	05/10/2022	05/12/2022

(4 samples)

PACE ANALYTICAL SERVICES, LLC

Detection Summary
Bunnell-Lammons Engineering, Inc.
Lot Number: XE12100

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
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(0 detections)

Description: WSW-01

Matrix: Aqueous

Date Sampled: 05/10/2022 1216

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	05/20/2022 1556	KJH		42455		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		98	70-130						
Toluene-d8		110	70-130						
Bromofluorobenzene		101	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	504.1	504.1	1	05/16/2022 1521	CAW	05/16/2022 0949	41779		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	504.1	ND		0.020	0.0040	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		110	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: WSW-01 Dup

Matrix: Aqueous

Date Sampled: 05/10/2022 1218

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	05/20/2022 1618	KJH		42455		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		97	70-130						
Toluene-d8		110	70-130						
Bromofluorobenzene		104	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	504.1	504.1	1	05/16/2022 1534	CAW	05/16/2022 0949	41779		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	504.1	ND		0.020	0.0040	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		105	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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

Description: WSW FB-01

Matrix: Aqueous

Date Sampled: 05/10/2022 1210

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	05/20/2022 1236	KJH		42455		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		97	70-130						
Toluene-d8		109	70-130						
Bromofluorobenzene		101	70-130						

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	504.1	504.1	1	05/18/2022 1347	CAW	05/18/2022 0832	42114		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	504.1	ND		0.020	0.0040	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		107	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: TB-01

Matrix: Aqueous

Date Sampled: 05/10/2022

Date Received: 05/12/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	05/20/2022 1258	KJH		42455		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		10	0.42	ug/L	1
tert-Butyl formate (TBF)		762-75-4	8260D	ND		5.0	2.0	ug/L	1
Diisopropyl ether (IPE)		108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol		64-17-5	8260D	ND		100	52	ug/L	1
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		20	8.0	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		95	70-130						
Toluene-d8		108	70-130						
Bromofluorobenzene		101	70-130						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ42455-001

Matrix: Aqueous

Batch: 42455

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	05/20/2022 1128
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	05/20/2022 1128
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	05/20/2022 1128
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	05/20/2022 1128
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	05/20/2022 1128
Ethanol	ND		1	100	52	ug/L	05/20/2022 1128
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	05/20/2022 1128
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	05/20/2022 1128

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		110	70-130
Bromofluorobenzene		103	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ42455-002

Matrix: Aqueous

Batch: 42455

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	920		1	92	70-130	05/20/2022 1015
tert-Amyl methyl ether (TAME)	50	53		1	107	70-130	05/20/2022 1015
tert-Butyl formate (TBF)	250	270		1	109	70-130	05/20/2022 1015
Diisopropyl ether (IPE)	50	51		1	102	70-130	05/20/2022 1015
3,3-Dimethyl-1-butanol	1000	860		1	86	70-130	05/20/2022 1015
Ethanol	5000	4900		1	98	70-130	05/20/2022 1015
Ethyl-tert-butyl ether (ETBE)	50	49		1	98	70-130	05/20/2022 1015
tert-butyl alcohol (TBA)	1000	1000		1	102	70-130	05/20/2022 1015

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		93	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		97	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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EDB & DBCP by Microextraction - MB

Sample ID: XQ41779-001

Matrix: Aqueous

Batch: 41779

Prep Method: 504.1

Analytical Method: 504.1

Prep Date: 05/16/2022 0949

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.0040	ug/L	05/16/2022 1144
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		119	57-137				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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EDB & DBCP by Microextraction - LCS

Sample ID: XQ41779-002

Matrix: Aqueous

Batch: 41779

Prep Method: 504.1

Analytical Method: 504.1

Prep Date: 05/16/2022 0949

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.22		1	90	70-130	05/16/2022 1156
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		110	57-137				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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EDB & DBCP by Microextraction - MB

Sample ID: XQ42114-001

Matrix: Aqueous

Batch: 42114

Prep Method: 504.1

Analytical Method: 504.1

Prep Date: 05/18/2022 0832

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.0040	ug/L	05/18/2022 1323
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		102	57-137				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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EDB & DBCP by Microextraction - LCS

Sample ID: XQ42114-002

Matrix: Aqueous

Batch: 42114

Prep Method: 504.1

Analytical Method: 504.1

Prep Date: 05/18/2022 0832

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.22		1	88	70-130	05/18/2022 1335
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		104	57-137				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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**Chain of Custody
and
Miscellaneous Documents**

PACE ANALYTICAL SERVICES, LLC



PACE ANALYTICAL SERVICES, LLC
 106 Vantage Point Drive • West Columbia, SC 29172
 Telephone No. 803-791-9700 Fax No. 803-791-9111
 www.pacelabs.com

Number 133900

Client: BLE Address: 6004 Ponders Ct City: Greenville Project Name: Fmr. Highway 11 Grocery	Report to Contact: Trevor Benton Sampler's Signature: <i>[Signature]</i> Printer Name: Brendan Wright	Telephone No. / E-mail: trevor.benton@blcorp.com Quote No.: Analysis: (Alltech list if more space is needed) BTXW + 1/2 Du (524.2) (15W) Oxy GS + BHT (6203) WSW FDB (504.1) WSW	Matrix: No. of Containers by Preservative Type: WSW: 2 WSW: 2 WSW: 2	Project No.: J22-10769-08 Sample ID / Description: (Containers for each sample may be combined on one form.) WSW-01 WSW-01 Dup WSW FB-01 TB-01	Collection Date: 5/10/12 5/10/12 5/10/12 LAB LAB	Collection Time (HH:MM): 12:16 12:18 12:10 LAB LAB	Date Received by: 5-12-12 5-12-12 5-12-12 5/12/12	Time Received by: 0855 1630 1630 1630	Possible Hazard Identification: <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skill Intensive <input type="checkbox"/> Polym <input type="checkbox"/> Unknown 1. Received by: 2. Received by: 3. Received by: 4. Laboratory received by: <i>[Signature]</i>	CC Requirements (Specify): Date: 5-12-12 Time: 0855 Date: Time: Date: Time: Date: Time: Date: 5/12/12 Time: 1630 Temp Blank: <input checked="" type="checkbox"/> <input type="checkbox"/> N
--	---	---	--	---	--	--	---	---	---	---

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

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Resident Copy
 Document Number: ME020062-01

PACE ANALYTICAL SERVICES, LLC



Samples Receipt Checklist (SRC) (ME0018C-15)

Issuing Authority: Pace ENV - WCOL

Revised: 9/29/2020

Page 1 of 1

Sample Receipt Checklist (SRC)

Client: BLE

Cooler Inspected by/date: TIC / 05/11/2022

Lot #: XE12104

Means of receipt: <input checked="" type="checkbox"/> Pace <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Other:		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	1. Were custody seals present on the cooler?	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	2. If custody seals were present, were they intact and unbroken?	
pH Strip ID: NA	Chlorine Strip ID: NA	Tested by: NA
Original temperature upon receipt / Derived (Corrected) temperature upon receipt		%Solid Snap-Cap ID: NA
4.8 / 4.8 °C NA / NA °C NA / NA °C NA / NA °C		
Method: <input checked="" type="checkbox"/> Temperature Blank <input type="checkbox"/> Against Bottles	IR Gun ID: 5	IR Gun Correction Factor: 0 °C
Method of coolant: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Ice Packs <input type="checkbox"/> Dry Ice <input type="checkbox"/> None		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one).	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	4. Is the commercial courier's packing slip attached to this form?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. Were proper custody procedures (relinquished/received) followed?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6. Were sample IDs listed on the COC?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7. Were sample IDs listed on all sample containers?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8. Was collection date & time listed on the COC?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9. Was collection date & time listed on all sample containers?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10. Did all container label information (ID, date, time) agree with the COC?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. Were tests to be performed listed on the COC?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13. Was adequate sample volume available?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	14. Were all samples received within 1/2 the holding time or 48 hours, whichever comes first?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	15. Were any samples containers missing/excess (circle one) samples Not listed on COC?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	16. For VOA and RSK-175 samples, were bubbles present >"pea-size" (1/4") or 6mm in diameter) in any of the VOA vials?	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	17. Were all DRO/metals/nutrient samples received at a pH of < 2?	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	19. Were all applicable NH ₄ /TKN/cyanide/phenol/625.1/608.3 (< 0.5mg/L) samples free of residual chlorine?	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	21. Was the quote number listed on the container label? If yes, Quote #	

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

Sample(s) NA were received incorrectly preserved and were adjusted accordingly in sample receiving with NA mL of circle one: H2SO4, HNO3, HCl, NaOH using SR # NA

Time of preservation NA. If more than one preservative is needed, please note in the comments below.

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

Samples(s) NA were received with TRC > 0.5 mg/L (if #19 is no) and were adjusted accordingly in sample receiving with sodium thiosulfate (Na₂S₂O₃) with Shealy ID: NA

SR barcode labels applied by: KDRW Date: 05/12/2022

Comments:

May 20, 2022

Lucas Odom
Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, SC 29172

RE: Project: XE12100 PHA Env Rest
Pace Project No.: 92604987

Dear Lucas Odom:

Enclosed are the analytical results for sample(s) received by the laboratory between May 17, 2022 and May 18, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Sara Poulson
sara.poulson@pacelabs.com
(704)875-9092
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: XE12100 PHA Env Rest
Pace Project No.: 92604987

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: XE12100 PHA Env Rest
Pace Project No.: 92604987

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92604987001	WSW-01	EPA 524.2	LMB	10	PASI-C
92604987002	WSW-01 DUP	EPA 524.2	LMB	10	PASI-C
92604987003	WSW FB-01	EPA 524.2	LMB	10	PASI-C
92604987004	TB-01	EPA 524.2	LMB	10	PASI-C

PASI-C = Pace Analytical Services - Charlotte

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: XE12100 PHA Env Rest

Pace Project No.: 92604987

Sample: WSW-01		Lab ID: 92604987001		Collected: 05/10/22 12:16		Received: 05/17/22 12:15		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
524.2 MSV SC List		Analytical Method: EPA 524.2							
		Pace Analytical Services - Charlotte							
Benzene	ND	mg/L	0.00050	1		05/18/22 19:08	71-43-2		
1,2-Dichloroethane	ND	mg/L	0.00050	1		05/18/22 19:08	107-06-2		
Ethylbenzene	ND	mg/L	0.00050	1		05/18/22 19:08	100-41-4		
Methyl-tert-butyl ether	ND	mg/L	0.00050	1		05/18/22 19:08	1634-04-4		
Naphthalene	ND	mg/L	0.00050	1		05/18/22 19:08	91-20-3		
Toluene	ND	mg/L	0.00050	1		05/18/22 19:08	108-88-3		
m&p-Xylene	ND	mg/L	0.0010	1		05/18/22 19:08	179601-23-1		
o-Xylene	ND	mg/L	0.00050	1		05/18/22 19:08	95-47-6		
Surrogates									
1,2-Dichlorobenzene-d4 (S)	91	%	70-130	1		05/18/22 19:08	2199-69-1		
4-Bromofluorobenzene (S)	87	%	70-130	1		05/18/22 19:08	460-00-4		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: XE12100 PHA Env Rest

Pace Project No.: 92604987

Sample: WSW-01 DUP		Lab ID: 92604987002	Collected: 05/10/22 12:18	Received: 05/17/22 12:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List		Analytical Method: EPA 524.2						
		Pace Analytical Services - Charlotte						
Benzene	ND	mg/L	0.00050	1		05/18/22 19:34	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	1		05/18/22 19:34	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	1		05/18/22 19:34	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	1		05/18/22 19:34	1634-04-4	
Naphthalene	ND	mg/L	0.00050	1		05/18/22 19:34	91-20-3	
Toluene	ND	mg/L	0.00050	1		05/18/22 19:34	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	1		05/18/22 19:34	179601-23-1	
o-Xylene	ND	mg/L	0.00050	1		05/18/22 19:34	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	91	%	70-130	1		05/18/22 19:34	2199-69-1	
4-Bromofluorobenzene (S)	88	%	70-130	1		05/18/22 19:34	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: XE12100 PHA Env Rest
Pace Project No.: 92604987

Sample: WSW FB-01	Lab ID: 92604987003	Collected: 05/10/22 12:10	Received: 05/17/22 12:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List		Analytical Method: EPA 524.2 Pace Analytical Services - Charlotte						
Benzene	ND	mg/L	0.00050	1		05/18/22 15:14	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	1		05/18/22 15:14	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	1		05/18/22 15:14	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	1		05/18/22 15:14	1634-04-4	
Naphthalene	ND	mg/L	0.00050	1		05/18/22 15:14	91-20-3	
Toluene	ND	mg/L	0.00050	1		05/18/22 15:14	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	1		05/18/22 15:14	179601-23-1	
o-Xylene	ND	mg/L	0.00050	1		05/18/22 15:14	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	90	%	70-130	1		05/18/22 15:14	2199-69-1	
4-Bromofluorobenzene (S)	87	%	70-130	1		05/18/22 15:14	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: XE12100 PHA Env Rest

Pace Project No.: 92604987

Sample: TB-01	Lab ID: 92604987004	Collected: 05/10/22 00:00	Received: 05/18/22 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List		Analytical Method: EPA 524.2 Pace Analytical Services - Charlotte						
Benzene	ND	mg/L	0.00050	1		05/19/22 16:14	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	1		05/19/22 16:14	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	1		05/19/22 16:14	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	1		05/19/22 16:14	1634-04-4	
Naphthalene	ND	mg/L	0.00050	1		05/19/22 16:14	91-20-3	
Toluene	ND	mg/L	0.00050	1		05/19/22 16:14	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	1		05/19/22 16:14	179601-23-1	
o-Xylene	ND	mg/L	0.00050	1		05/19/22 16:14	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	91	%	70-130	1		05/19/22 16:14	2199-69-1	
4-Bromofluorobenzene (S)	88	%	70-130	1		05/19/22 16:14	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: XE12100 PHA Env Rest
Pace Project No.: 92604987

QC Batch: 698998 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92604987001, 92604987002, 92604987003

METHOD BLANK: 3649187 Matrix: Water
Associated Lab Samples: 92604987001, 92604987002, 92604987003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	mg/L	ND	0.00050	05/18/22 13:29	
Benzene	mg/L	ND	0.00050	05/18/22 13:29	
Ethylbenzene	mg/L	ND	0.00050	05/18/22 13:29	
m&p-Xylene	mg/L	ND	0.0010	05/18/22 13:29	
Methyl-tert-butyl ether	mg/L	ND	0.00050	05/18/22 13:29	
Naphthalene	mg/L	ND	0.00050	05/18/22 13:29	
o-Xylene	mg/L	ND	0.00050	05/18/22 13:29	
Toluene	mg/L	ND	0.00050	05/18/22 13:29	
1,2-Dichlorobenzene-d4 (S)	%	89	70-130	05/18/22 13:29	
4-Bromofluorobenzene (S)	%	88	70-130	05/18/22 13:29	

LABORATORY CONTROL SAMPLE: 3649188

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	mg/L	0.02	0.019	93	70-130	
Benzene	mg/L	0.02	0.017	83	70-130	
Ethylbenzene	mg/L	0.02	0.020	98	70-130	
m&p-Xylene	mg/L	0.04	0.040	100	70-130	
Methyl-tert-butyl ether	mg/L	0.02	0.018	88	70-130	
Naphthalene	mg/L	0.02	0.019	97	70-130	
o-Xylene	mg/L	0.02	0.020	98	70-130	
Toluene	mg/L	0.02	0.019	93	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			102	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

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QUALITY CONTROL DATA

Project: XE12100 PHA Env Rest
Pace Project No.: 92604987

QC Batch: 699326	Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2	Analysis Description: 524.2 MSV
	Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92604987004

METHOD BLANK: 3650844 Matrix: Water
Associated Lab Samples: 92604987004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	mg/L	ND	0.00050	05/19/22 15:22	
Benzene	mg/L	ND	0.00050	05/19/22 15:22	
Ethylbenzene	mg/L	ND	0.00050	05/19/22 15:22	
m&p-Xylene	mg/L	ND	0.0010	05/19/22 15:22	
Methyl-tert-butyl ether	mg/L	ND	0.00050	05/19/22 15:22	
Naphthalene	mg/L	ND	0.00050	05/19/22 15:22	
o-Xylene	mg/L	ND	0.00050	05/19/22 15:22	
Toluene	mg/L	ND	0.00050	05/19/22 15:22	
1,2-Dichlorobenzene-d4 (S)	%	91	70-130	05/19/22 15:22	
4-Bromofluorobenzene (S)	%	87	70-130	05/19/22 15:22	

LABORATORY CONTROL SAMPLE: 3650845

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	mg/L	0.02	0.020	99	70-130	
Benzene	mg/L	0.02	0.019	93	70-130	
Ethylbenzene	mg/L	0.02	0.021	104	70-130	
m&p-Xylene	mg/L	0.04	0.042	106	70-130	
Methyl-tert-butyl ether	mg/L	0.02	0.019	96	70-130	
Naphthalene	mg/L	0.02	0.020	100	70-130	
o-Xylene	mg/L	0.02	0.021	104	70-130	
Toluene	mg/L	0.02	0.020	100	70-130	
1,2-Dichlorobenzene-d4 (S)	%			103	70-130	
4-Bromofluorobenzene (S)	%			103	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

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QUALIFIERS

Project: XE12100 PHA Env Rest
Pace Project No.: 92604987

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: XE12100 PHA Env Rest
Pace Project No.: 92604987

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92604987001	WSW-01	EPA 524.2	698998		
92604987002	WSW-01 DUP	EPA 524.2	698998		
92604987003	WSW FB-01	EPA 524.2	698998		
92604987004	TB-01	EPA 524.2	699326		

REPORT OF LABORATORY ANALYSIS

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Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: Mr HWY 1 Grocery Project #:

WO#: **92604987**

Courier: Commercial Fed Ex Pace UPS USPS Other: Client

Custody Seal Present? Yes No Seals Intact? Yes No

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer: IR Gun ID: 92064 Type of Ice: Wet Blue None

Cooler Temp: 3.6 Correction Factor: Add/Subtract (°C) 0

Cooler Temp Corrected (°C): 3.6

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Temp should be above freezing to 6°C
 Samples out of temp criteria. Samples on ice, cooling process has begun

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Rush Turn Around Time Requested?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.	
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Includes Date/Time/ID/Analysis Matrix: <u>WT</u>			
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	10.	
Trip Blank Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.	
Trip Blank Custody Seals Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Trip blank not shipped with the rest of its project

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92604987

PM: SC

Due Date: 05/20/22

CLIENT: 92-PaceSheal

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (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)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1																												
2																												
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Chain of Custody



Workorder: XE12100 Workorder Name: Fmr HWY 11 Grocery Owner Received Date: 5/12/2022 Results Requested By: 5/20/2022

Report To: Lucas J. Odom
 Subcontract To: Pace Analytical
 Project #
 106 Vantage Point Drive
 Columbia SC, 29223
 803-227-2706
 lucas.odom@pacelabs.com

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers		Requested Analysis
						HCL		
1	WSW-01	grab	05/10/2022 @ 1216	XE12100-001	Aqueous	3		
2	WSW-01 Dup	grab	05/10/2022 @ 1218	XE12100-002	Aqueous	3		
3	WSW FB-01	grab	05/10/2022 @ 1210	XE12100-003	Aqueous	3		
4	TB-01	grab	05/10/2022 @ 0000	XE12100-004	Aqueous	12		
5								
6								
7								
8								
9								
10								

92604981
LAB USE ONLY

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1					
2					
3	<i>Cliff</i>	5/17/22 1500	DP PAGE HML	5/17/22 9:30	Only includes highlighted sample

Cooler Temperature on Receipt 3.0 °C Custody Seal Y or N Received on Ice Y or N Sample Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC
 This chain of custody is considered complete as is since this information is available in the owner laboratory.

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APPENDIX D
CONTRACTOR CHECKLIST

Contractor Checklist

For each report submitted to the UST Management Division, the contractor will be required to verify that all data elements for the required scope of work have been provided. For items not required for the scope of work, the N/A box should be checked. For items required and not completed or provided, the No box should be checked and a thorough description of the reason must be provided.

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

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

