Environmental Consultants
and Contractors

2830 Dairy Drive
Madison, WI 53718-6751

608 224-2830
FAX 608 224-2839
www.scsengineers.com

SCS ENGINEERS

June 12, 2018
File No. 25216022.00

Mr. Jason Lowery
Wisconsin Department of Natural Resources
Bureau for Remediation and Redevelopment – RR/5
P.O. Box 7921
Madison, WI 53707

Subject: 2018 Annual Groundwater Monitoring Report
Stoughton City Landfill
FID #113005950 – License #133
USEPA ID #WID980901219
WDNR Purchase Order #37000-0000006548

Dear Mr. Lowery:

This 2018 Annual Groundwater Monitoring Report presents an evaluation of the data from analysis of groundwater samples collected as part of the annual sampling event, for the Stoughton City Landfill site. The data includes results from field measurements and analysis of samples collected from 13 groundwater monitoring wells on April 25 and 26, 2018, by SCS Engineers (SCS) staff. The groundwater samples were submitted to TestAmerica Chicago (Wisconsin Lab Certification No. 999580010) for laboratory analysis.

A completed Environmental Monitoring Data Certification Form (Form 4400-231), Exceedance Report, and compact disk (CD) with the electronic data deliverable (EDD) file for this period were prepared by TestAmerica and transmitted to the Wisconsin Department of Natural Resources (WDNR) Groundwater and Environmental Monitoring System (GEMS) Data Submittal Contact, with a cover letter from SCS dated May 24, 2018.

SAMPLE COLLECTION AND ANALYSIS

In accordance with the approved Quality Assurance Project Plan (QAPP) and Field Sampling Plan - Revision 2, March 31, 2016, SCS collected groundwater samples from 13 monitoring wells. SCS staff also collected a duplicate sample at well MW8I, and prepared a field blank (FB) at the site for shipment to, and analysis by, the laboratory. A trip blank (TB) was prepared by the laboratory and accompanied the sample containers until analyzed with the site samples by the laboratory. Samples from the monitoring wells were analyzed for field parameters by SCS staff, and submitted to TestAmerica Inc. for analysis of volatile organic compounds (VOCs) by Environmental Protection Agency (EPA) Method SW 8260B. Results from analysis of samples from six of the wells sampled were reported for only two VOCs - dichlorodifluoromethane (DCDFM) and tetrahydrofuran (THF). Results from analysis of the samples from the remaining seven wells are reported for a more complete list of VOCs.

GROUNDWATER DATA

A summary of all VOCs quantified in groundwater samples by the laboratory during this reporting period is presented in **Table 1**. **Table 1** also includes VOCs reported during the prior two annual sampling events (spring 2016 and 2017). The depth to water measurements at the monitoring wells and calculated groundwater elevations for this reporting period are presented in **Table 2**. The results from analysis for field parameters on the samples collected during this period are summarized in **Table 3**. A comparison of the concentrations of DCDFM and THF reported from analysis of the 2018 samples to reported historic data is included in **Table 4**. A copy of the analytical report from the laboratory for this period, which includes the case narrative, chain of custody forms, and quality control report is included in **Attachment A**. A copy of the data certification form and the NR 140 Preventative Action Limit (PAL) and Enforcement Standard (ES) Exceedance Report prepared by TestAmerica is provided in **Attachment B**.

Groundwater Elevations

As shown on **Table 2**, the groundwater elevations from this reporting period are consistent with prior measurements.

Compounds Reported in Groundwater Samples

The following VOCs were reported at concentrations above the PAL or ES in the groundwater samples collected during this reporting period:

- Methylene Chloride – MW9B at 7.3 µg/L (ES of 5.0 µg/L)
- Methylene Chloride – MW9S at 8.0 µg/L (ES of 5.0 µg/L)
- Methylene Chloride – MW9I at 2.9 µg/L (PAL of 0.5 µg/L)
- Methylene Chloride – MW10S at 8.3 µg/L (ES of 5.0 µg/L)
- Methylene Chloride – MW14S at 2.7 µg/L (PAL of 0.5 µg/L)
- Trichloroethene (TCE) – MW9I at 0.54 µg/L (PAL of 0.5 µg/L)
- Tetrachloroethene (PCE) – MW10I at 1.9 µg/L (PAL of 0.5 µg/L)
- Tetrachloroethene (PCE) – MW14S at 0.89 µg/L (PAL of 0.5 µg/L)

Other VOCs that were reported at concentrations below their respective PAL and ES, or for compounds where a PAL or ES has not been established, are summarized in **Table 1**.

Data Evaluation

The TCE concentration reported from analysis of the 2018 sample at well MW9I is above the PAL but below the concentration established as the ES (5 µg/L). This is consistent with analysis of recent prior samples from this well. The current concentrations of dichlorofluoromethane and DCDFM are also consistent with results from analysis of recent prior samples from this well.

The PCE concentration reported from analysis of the 2018 sample at well MW10I is above the PAL but below the concentration established as the ES (5 µg/L). This is consistent with analysis of recent prior samples from this well. The current concentrations of dichlorofluoromethane and DCDFM are also consistent with results from analysis of recent prior samples from this well.

The PCE concentration reported from analysis of the sample at well MW14S, which is above the PAL but below the concentration established as the ES (5 µg/L), is not consistent with analysis of recent prior samples from this well. The current concentrations of dichlorofluoromethane and DCDFM are also not consistent with results from analysis of recent prior samples from this well. It should be noted that similar concentrations of DCDFM and dichlorofluoromethane have been reported from analysis of recent prior samples from the deeper well in the nest (i.e. MW14I), and, as indicated on **Table 4**, DCDFM has been identified at higher concentrations at MW14S in the past. Results from analysis of future annual samples will be reviewed to further assess the significance of the current results.

DCDFM was quantified in samples from 8 of the 13 wells during this reporting period. As shown on **Table 4**, the highest concentration of DCDFM was reported from analysis of the samples from wells MW9S and MW9I at 22 µg/L. The associated PAL and ES for DCDFM are 200 µg/L and 1,000 µg/L, respectively.

As summarized on **Table 4**, THF was not detected in analysis of any of the samples from this reporting period, thus there are currently no concentrations above the PAL (10 µg/L) or ES (50 µg/L).

The reported concentrations of methylene chloride, ranging up to 8.3 µg/L in analysis of the samples from five of the monitoring wells, are not consistent with recent prior results from these wells. It should be noted that methylene chloride is a common laboratory contaminant and was quantified in five of the seven monitoring well samples reported, and the trip blank associated with the sampling event. Each of the results was qualified by the laboratory (i.e. C-flagged) indicating probable laboratory contamination. As such, SCS concurs that the reported concentrations of methylene chloride are likely a laboratory artifact and not representative of groundwater quality at the identified wells. Results from analysis of future annual samples will be reviewed to further assess the significance of the current results.

Data Quality

As summarized in the case narrative of the laboratory report, the analysis of laboratory quality control (QC) samples associated with the site samples during this reporting period did not indicate any significant issues. The rationale for qualifying the methylene chloride results as probable lab contamination described above is presented in the narrative. The only other item noted was that the pH of the preserved sample from MW10S was outside the required criteria when verified by the laboratory. As described therein, corrective action was not possible. Re-sampling is not warranted because the current results are consistent with data from analysis of prior samples from this well.

In addition to the laboratory QC measures, the laboratory analyzed one duplicate sample, one FB, and one TB prepared in association with this sampling event to assess data quality. One VOC (i.e., methylene chloride at 2.8 µg/L) was identified at a concentration above the limit of detection (LOD), but above the PAL, in analysis of the TB. One VOC (i.e., toluene) was quantified by the laboratory at a concentration above the LOD, but below the PAL, from analysis of the FB. The results from analysis of the sample and duplicate from well MW8I are consistent in that no VOCs were reported from analysis of either sample.

With the exception of the methylene chloride data, the results from analysis of QC samples during this sampling period described above do not indicate any significant issues with regard to data quality; thus, the remaining data from this sampling period is expected to be acceptable for use.

A CD is enclosed containing a copy of this report as a PDF file. If you have any questions regarding this report, please contact Leslie at (608) 216-7343.

Sincerely,

Zach Watson
Associate Scientist
SCS ENGINEERS

Leslie A. Busse, PE
Senior Project Manager
SCS ENGINEERS

ZTW/MP/AJR/LAB

cc: Ms. Giang Van Nguyen – USEPA Region V (w/o CD)

Enclosures: CD Containing Electronic Copy of Report
Table 1 – Groundwater Analytical Results Summary - VOCs
Table 2 – Water Level Summary
Table 3 – Field Parameter Summary
Table 4 – Historical Target Compound Detections
Figure 1 – Site Plan
Attachment A – Laboratory Analytical Report
Attachment B – Exceedance Report
Attachment C – Field Form

TABLES

Table 1. Groundwater Analytical Results Summary - VOCs
Stoughton City Landfill / SCS Engineers Project #25216022.00
(Results are in µg/L)

Sample	Date	Lab Notes	DRO	GRO	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Naphthalene	Lead	Other VOCs	
MW3D	4/7/2016	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	
	5/4/2017	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Tetrahydrofuran	6.5 J
	4/25/2018	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	
MW4D	4/7/2016	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	
	5/4/2017	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	
	4/25/2018	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	
MW5D	4/7/2016	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	
	5/4/2017	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	
	4/25/2018	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dichlorodifluoromethane	1.8 J1
MW5D Dup	4/7/2016	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	
	5/4/2017	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	
MW7I	4/7/2016	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	
	5/5/2017	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Tetrahydrofuran	6.9 J
	4/28/2018	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	
MW8I	4/7/2016	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	
	5/5/2017	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	
	4/26/2018	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	
MW8I Dup	4/26/2018	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	ND	
MW9B	4/7/2016	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	Dichlorodifluoromethane	11
													Trichlorofluoromethane	7.9
	5/5/2017	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	Dichlorodifluoromethane	3.1
													Dichlorofluoromethane	1.5
	4/25/2018	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	Dichlorodifluoromethane	7.1
													Dichlorofluoromethane	2.2
													Methylene Chloride	**7.3** C
													Trichlorofluoromethane	4.8

Table 1. Groundwater Analytical Results Summary - VOCs
Stoughton City Landfill / SCS Engineers Project #25216022.00
(Results are in µg/L)

Sample	Date	Lab Notes	DRO	GRO	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Naphthalene	Lead	Other VOCs	
MW9S	4/7/2016	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	Dichlorodifluoromethane	23
	5/5/2017	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	Dichlorodifluoromethane	26
													Dichlorofluoromethane	30
	4/25/2018	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	Dichlorodifluoromethane	22
													Dichlorofluoromethane	23
													Methylene Chloride	**8.0** C
													Trichloroethene	0.32 C
MW9I	4/7/2016	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	Dichlorodifluoromethane	19
													Trichloroethene	*0.59*
	5/5/2017	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	Dichlorodifluoromethane	24
													Dichlorofluoromethane	13
	4/26/2018	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	Dichlorodifluoromethane	22
													Dichlorofluoromethane	13
													Methylene Chloride	*2.9* J1,C
													Trichloroethene	*0.54*
MW9I Dup	4/7/2016	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	Dichlorodifluoromethane	21
	5/5/2017	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	Dichlorodifluoromethane	26
													Dichlorofluoromethane	14
													Trichloroethene	0.39 J
MW10S	4/7/2016	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	ND	
	5/5/2017	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	ND	
	4/25/2018	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	Dichlorodifluoromethane	0.98 J1
													Dichlorofluoromethane	0.97 J1
													Methylene Chloride	**8.3** C

Table 1. Groundwater Analytical Results Summary - VOCs
Stoughton City Landfill / SCS Engineers Project #25216022.00
(Results are in µg/L)

Sample	Date	Lab Notes	DRO	GRO	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Naphthalene	Lead	Other VOCs	
MW10I	4/7/2016	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	Dichlorodifluoromethane	8.2
													Tetrachloroethene	*1.3*
	5/5/2017	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	Dichlorodifluoromethane	12
													Dichlorofluoromethane	6.1
													Tetrachloroethene	*1.8*
	4/26/2018	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	Dichlorodifluoromethane	8.0
													Dichlorofluoromethane	5.0
													Tetrachloroethene	*1.9*
MW13I	4/7/2016	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dichlorodifluoromethane	4.1
													Tetrahydrofuran	*13*
	10/18/2016	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Tetrahydrofuran	4.6 J
	5/5/2017	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	
	4/26/2018	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	
MW14S	4/7/2016	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	ND	
	5/5/2017	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	ND	
	4/26/2018	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	Dichlorodifluoromethane	2.4
													Dichlorofluoromethane	3.6
													Methylene Chloride	*2.7* J1,C
													Tetrachloroethene	*0.89* J1
MW14I	4/7/2016	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	Dichlorodifluoromethane	2.8
	5/5/2017	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	Dichlorodifluoromethane	4.6
													Dichlorofluoromethane	12
	4/26/2018	--	NA	NA	<0.15	<0.18	<0.15	<0.20	<0.61	<0.39	<0.34	NA	Dichlorodifluoromethane	2.1
													Dichlorofluoromethane	9.5
Field Blank	4/7/2016	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	ND	
	5/5/2017	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34 *F1	NA	ND	
	4/26/2018	--	NA	NA	<0.15	<0.18	0.53	<0.22	<0.61	<0.39	<0.34	NA	ND	

Table 1. Groundwater Analytical Results Summary - VOCs
Stoughton City Landfill / SCS Engineers Project #25216022.00
(Results are in µg/L)

Sample	Date	Lab Notes	DRO	GRO	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Naphthalene	Lead	Other VOCs	
Trip Blank	4/7/2016	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	ND	
	10/18/2016	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Tetrahydrofuran	2.5 J
	5/4/2017	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	ND	
	4/26/2018	--	NA	NA	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	NA	Methylene Chloride	2.8 J1,C
NR 140 Enforcement Standards (ESs)			NE	NE	*5*	700	800	2,000	480	60	100	15	Dichlorodifluoromethane	1,000
													Dichlorofluoromethane	NE
													Methylene Chloride	*5*
													Tetrahydrofuran	50
													Tetrachloroethene	*5*
													Trichloroethene	*5*
													Trichlorofluoromethane	3,490
NR 140 Preventive Action Limits (PALs)			NE	NE	0.5	140	160	400	96	12	10	1.5	Dichlorodifluoromethane	200
													Dichlorofluoromethane	NE
													Methylene Chloride	0.5
													Tetrahydrofuran	10
													Tetrachloroethene	0.5
													Trichloroethene	0.5
													Trichlorofluoromethane	698

Abbreviations:
µg/L = micrograms per liter or parts per billion (ppb)
TMBs = 1,2,4- and 1,3,5-trimethylbenzenes
NA = Not Analyzed
(Dup) = Duplicate Sample
DRO = Diesel Range Organics
MTBE = Methyl-tert-butyl ether
ND = Not Detected
-- = Not Applicable
GRO = Gasoline Range Organics
VOCs = Volatile Organic Compounds
NE = No Standard Established

Notes:
NR 140 ESs - Wisconsin Administrative Code (WAC), Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards from February 2017.
NR 140 PALs - WAC, Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards from February 2017.
Bold+underlined values meet or exceed NR 140 enforcement standards.
Italic+underlined values meet or exceed NR 140 preventive action limits.

Laboratory Notes/Qualifiers:
C = Probable Lab Contamination
F1 = MS and/or MSD Recovery is outside acceptance limits.
J = Results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.
J1 = Reported value was between the limit of detection and the limit of quantitation.
* = LCS or LCSD is outside acceptance limits.

Created by:	AV	Date:	4/29/2016
Last revision by:	LMH	Date:	6/1/2018
Checked by:	ZTW	Date:	6/5/2018

I:\25216022.00\Deliverables\Annual GW Report and Semiannual Inspection\2018\[Table 1_GW_VOCs.xlsx]GW VOCs

Table 2. Water Level Summary
Stoughton City Landfill / SCS Engineers Project #25216022.00

Raw Data	Depth to Water in feet below top of well casing												
	MW03D	MW04D	MW05D	MW07I	MW08I	MW09S	MW09I	MW09B	MW10S	MW10I	MW13I	MW14S	MW14I
Measurement Date													
May 4-5, 2017	8.74	6.14	6.08	0.00	0.12	1.11	1.48	1.25	3.18	0.00	0.00	2.94	1.68
April 25-26, 2018	9.30	6.69	6.60	0.00	0.68	1.76	1.99	1.76	3.25	0.00	0.00	3.38	2.20

Well Number	Ground Water Elevation in feet above mean sea level (amsl)												
	MW03D	MW04D	MW05D	MW07I	MW08I	MW09S	MW09I	MW09B	MW10S	MW10I	MW13I	MW14S	MW14I
Top of Casing Elevation (feet amsl)	855.17	852.08	852.35	843.99	846.32	847.23	847.14	846.68	846.88	845.86	853.02	848.73	847.38
Screen Length (ft)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Total Depth (ft from top of casing)	73.0	74.0	77.0	60.0	62.4	13.4	21.5	83.3	16.9	39.8	57.5	26.2	51.2
Total Depth Measured 2018 (ft from top of casing)				60.0			47.2			39.8	229.0		
Top of Well Screen Elevation (ft)	792.17	788.08	785.35	793.99	793.92	843.83	835.64	773.38	839.98	816.06	805.52	832.53	806.18
Measurement Date													
May 4-5, 2017	846.43	845.94	846.27	843.99	846.20	846.12	845.66	845.43	843.70	845.86	853.02	845.79	845.70
April 25-26, 2018	845.87	845.39	845.75	843.99	845.64	845.47	845.15	844.92	843.63	845.86	853.02	845.35	845.18
Bottom of Well Elevation (ft)	782.2	778.1	775.4	784.0	783.9	833.8	825.6	763.4	830.0	806.1	795.5	822.5	796.2

Notes:
MW07I, MW10I and MW13I are artesian wells.

Created by: ES Date: 6/28/2017
Last revision by: LMH Date: 6/1/2018
Checked by: ZTW Date: 6/6/2018

I:\25216022.00\Deliverables\Annual GW Report and Semiannual Inspection\2018\[Table 2_Water level summary.xls]levels

Table 3. Field Parameter Summary
Stoughton City Landfill / SCS Engineers Project #25216022.00

Well Number	Date	Temperature (°C)	Specific Conductivity (us/cm)	pH (Std. Units)	Dissolved Oxygen (mg/L)	Turbidty
MW03D	4/25/2018	12.8	955.0	7.25	3.33	Slightly
MW04D	4/25/2018	13.6	10.1	7.02	3.95	Slightly
MW05D	4/25/2018	12.5	417.8	7.52	5.17	Slightly
MW07I	4/25/2018	12.4	336.0	7.21	3.15	None
MW08I	4/26/2018	8.0	877.0	7.27	4.08	None
MW09S	4/25/2018	10.5	715.0	7.76	5.04	Moderate
MW09I	4/26/2018	12.5	713.0	7.54	2.42	None
MW09B	4/25/2018	11.0	735.0	7.69	7.17	None
MW10S	4/25/2018	8.2	419.0	7.20	5.20	Opaque
MW10I	4/26/2018	10.9	442.1	7.15	4.09	None
MW13I	4/26/2018	10.1	586.0	7.37	5.37	None
MW14S	4/26/2018	9.2	394.4	7.64	6.53	Very
MW14I	4/26/2018	12.1	763.0	7.66	4.70	None

Created by: ES Date: 6/28/2017
Last revision by: AJR Date: 5/29/2018
Checked by: ZTW Date: 6/5/2018

I:\25216022.00\Deliverables\Annual GW Report and Semiannual Inspection\2018\[Table 3_Field_Parameter Summary.xls]1

Table 4. Historical Target Compound Detections
Annual Groundwater Report - April 2018
Stoughton City Landfill / SCS Engineers Project #25216022.00

Shallow Monitoring Wells				
	Current Event Concentration (µg/L)		Historical Range (µg/L)	
Well	DCDFM	THF	DCDFM	THF
MW9S	22	ND	22-400	ND-22
MW10S	0.98	ND	ND-20	ND-20
MW14S	2.4	ND	2.4-710	ND-50

Intermediate and Deep Monitoring Wells				
	Current Event Concentration (µg/L)		Historical Range (µg/L)	
Well	DCDFM	THF	DCDFM	THF
MW5D	1.8	ND	0.92-10	ND-4.0
MW9I	22	ND	12-340	ND-12
MW9B	7.1	ND	2.3-25	ND-2.4
MW10I	8	ND	ND-280	ND-21
MW14I	2.1	ND	2.1-590	ND-2.4

Abbreviations:
µg/L = micrograms per liter
DCDFM = dichlorodifluoromethane
ND = Not Detected
THF = tetrahydrofuran

Historical range includes 9 rounds of sampling perfomed by BT^2, Inc. (8/00, 4/01, 11/01, 4/02, 11/02, 4/03, 11/03, 4/04, 11/04) and two rounds performed by Roy F. Weston in April 1998 and April 1999.

Created by:	ES	Date:	6/28/2017
Last revision by:	NH	Date:	5/25/2018
Checked by:	ZTW	Date:	6/6/2018

I:\25216022.00\Deliverables\Annual GW Report and Semiannual Inspection\2018\[Table 4_Historical_Target_Compound_Detections_April_2018.xlsx]GW Natural Attenuation

FIGURE 1

Site Plan

MW-12 CLUSTER LOCATED

APPROXIMATELY 1,000' EAST

EAST-WEST 1/4 LINE

APPROX. WETLAND BOUNDARY

EXISTING WETLANDS

APPROXIMATE WETLAND BOUNDARY

CAPPING LIMITS

N02°54'40"W 667.82'

N02°04'20"W 1143.57'

RIP-RAP

24" RCP

GUY WIRES

AMUNDSON PARKWAY

66'

33'

33'

GRAVEL DRIVE

EXISTING CONDOMINIUM COMPLEX

PROPERTY OWNER:
SKAALEN SUNSET HOME INC.
400 NORTH MORRIS STREET
STOUGHTON, WI 53589

LANDS OWNED BY THE CITY OF STOUGHTON

WEST GATE

GV-1 GV-2 GV-3 GV-4 GV-5 GV-6 GV-7 GV-8 GV-9 GV-10 GV-11 GV-12 GV-13 GV-14 GV-15 GV-16 GV-17 GV-18 GV-19 GV-20 GV-21

CP-19 CP-21 CP-5 CP-4

BM#1

GMP-1 GMP-3

MW-1D MW-1S

MW-2S MW-2D

MW-3S MW-3D 845.85 MW-3B

MW-4S MW-4D 845.38

MW-5S 845.72 MW-5D

MW-6D MW-6S

MW-7S MW-7I 843.99 MW-7B (ABANDONED)

MW-8S MW-8I 845.67 MW-8B

MW-9S 845.68 MW-9I 845.14 MW-9B 844.88

MW-10S 843.79 MW-10I 845.86 MW-10D (ABANDONED)

MW-11D MW-11I MW-11S

MW-13S MW-13I 853.02 MW-13D (ABANDONED)

MW-14S 845.20 MW-14D MW-14I 844.98

MW-15S MW-15I MW-15D

OW-01 (ABANDONED) OW-02 OW-03 OW-04 EW-01

872.63

130+00 129+00 128+00 127+00 126+00 125+00 124+00 123+00 122+00 121+00 120+00

391+00 390+00 389+00 388+00 387+00 386+00 385+00 384+00 383+00 382+00 381+00 380+00 379+00 378+00 377+00 376+00 375+00 374+00 373+00 372+00

LEGEND

- BENCHMARK
- POWER POLE
- SEWER MANHOLE
- WATER VALVE
- CHAIN LINK FENCE
- PROPERTY LINE
- WETLAND BOUNDARY
- SANITARY SEWER LINE
- WATER LINE
- TELEPHONE LINE
- OVERHEAD UTILITY LINE
- CAPPING LIMITS
- 850 TOPSOIL CONTOUR (1' INTERVAL)
- DECIDUOUS TREE
- TREE LINE
- WOOD FENCE
- CHAINLINK FENCE
- GAS VENT RISER
- MONITORING WELL
- FIRE HYDRANT
- CONTROL POINT

NOTES:

1. ORIGINAL MAP BASED ON REI SURVEYING MAP DRAWN 02/01/99 BY THOMAS A. RADENZ.
2. THE LOCATION OF UNDERGROUND UTILITIES ARE OBTAINED FROM FIELD MEASUREMENTS AND CITY OF STOUGHTON RECORDS. FIELD VERIFY.

N

SCALE: 1" = 60'

SHEET 1

SITE PLAN

STOUGHTON CITY LANDFILL
STOUGHTON, WISCONSIN

SITE

DEPARTMENT OF NATURAL RESOURCES
101 S. WEBSTER STREET
MADISON, WI 53702

CLIENT

SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

ENGINEER

DRAWN BY:	AHB		
CHECKED BY:	SS		
APPROVED BY:	LAB	05/31/16	

PROJECT NO.	25216022.00
DRAWN:	06/06/00
REVISED:	05/26/16

L:\25216022.00\Drawings\plan1.dwg, 6/30/2016 9:55:36 AM

ATTACHMENT A

Laboratory Analytical Report

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-144479-1
Client Project/Site: Stoughton LF #25216022

For:
SCS Engineers
2830 Dairy Dr
Madison, Wisconsin 53718

Attn: Mr. Tom Karwoski

Authorized for release by:
5/11/2018 5:23:26 PM
Eric Lang, Manager of Project Management
(708)534-5200
eric.lang@testamericainc.com

Designee for

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

Table of Contents

Case Narrative

Client: SCS Engineers
Project/Site: Stoughton LF #25216022

TestAmerica Job ID: 500-144479-1

Job ID: 500-144479-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-144479-1

Comments
No additional comments.

Receipt
The samples were received on 4/27/2018 8:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6º C.

GC/MS VOA
Method(s) 8260B: The following samples detected Methylene Chloride just above or below the reporting limit: Trip Blank (500-144479-1), MW10S (500-144479-6), MW9S (500-144479-8), MW9B (500-144479-9), MW14S (500-144479-10) and MW9I (500-144479-16). The method blanks 431172 and 431090 associated with the samples did not detect Methylene Chloride. Since Methylene Chloride is a known lab contaminant and the results are close to the repoting limit; the results have been flagged with a "C" flag to denote the probable lab contamination.

Method(s) 8260B: The following sample were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: MW10S (500-144479-6).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: SCS Engineers
Project/Site: Stoughton LF #25216022

TestAmerica Job ID: 500-144479-1

Client Sample ID: Trip Blank — Lab Sample ID: 500-144479-1

Analyte	Result	Qualifier	RL	LOD	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.8	J C	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: Field Blank — Lab Sample ID: 500-144479-2

Analyte	Result	Qualifier	RL	LOD	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.53		0.50	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: MW3D — Lab Sample ID: 500-144479-3

No Detections.

Client Sample ID: MW4D — Lab Sample ID: 500-144479-4

No Detections.

Client Sample ID: MW5D — Lab Sample ID: 500-144479-5

Analyte	Result	Qualifier	RL	LOD	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.8	J	2.0	0.67	ug/L	1		8260B	Total/NA

Client Sample ID: MW10S — Lab Sample ID: 500-144479-6

Analyte	Result	Qualifier	RL	LOD	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.98	J	2.0	0.67	ug/L	1		8260B	Total/NA
Dichlorofluoromethane	0.97	J	1.0	0.38	ug/L	1		8260B	Total/NA
Methylene Chloride	8.3	C	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: MW7I — Lab Sample ID: 500-144479-7

No Detections.

Client Sample ID: MW9S — Lab Sample ID: 500-144479-8

Analyte	Result	Qualifier	RL	LOD	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	22		2.0	0.67	ug/L	1		8260B	Total/NA
Dichlorofluoromethane	23		1.0	0.38	ug/L	1		8260B	Total/NA
Methylene Chloride	8.0	C	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	0.32	J	0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW9B — Lab Sample ID: 500-144479-9

Analyte	Result	Qualifier	RL	LOD	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	7.1		2.0	0.67	ug/L	1		8260B	Total/NA
Dichlorofluoromethane	2.2		1.0	0.38	ug/L	1		8260B	Total/NA
Methylene Chloride	7.3	C	5.0	1.6	ug/L	1		8260B	Total/NA
Trichlorofluoromethane	4.8		1.0	0.43	ug/L	1		8260B	Total/NA

Client Sample ID: MW14S — Lab Sample ID: 500-144479-10

Analyte	Result	Qualifier	RL	LOD	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.4		2.0	0.67	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: SCS Engineers
Project/Site: Stoughton LF #25216022

TestAmerica Job ID: 500-144479-1

Client Sample ID: MW14S (Continued) — Lab Sample ID: 500-144479-10

Analyte	Result	Qualifier	RL	LOD	Unit	Dil Fac	D	Method	Prep Type
Dichlorofluoromethane	3.6		1.0	0.38	ug/L	1		8260B	Total/NA
Methylene Chloride	2.7	J C	5.0	1.6	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.89	J	1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: MW14I — Lab Sample ID: 500-144479-11

Analyte	Result	Qualifier	RL	LOD	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.1		2.0	0.67	ug/L	1		8260B	Total/NA
Dichlorofluoromethane	9.5		1.0	0.38	ug/L	1		8260B	Total/NA

Client Sample ID: MW8I — Lab Sample ID: 500-144479-12

No Detections.

Client Sample ID: MW8I DUP — Lab Sample ID: 500-144479-13

No Detections.

Client Sample ID: MW10I — Lab Sample ID: 500-144479-14

Analyte	Result	Qualifier	RL	LOD	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	8.0		2.0	0.67	ug/L	1		8260B	Total/NA
Dichlorofluoromethane	5.0		1.0	0.38	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.9		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: MW13I — Lab Sample ID: 500-144479-15

No Detections.

Client Sample ID: MW9I — Lab Sample ID: 500-144479-16

Analyte	Result	Qualifier	RL	LOD	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	22		2.0	0.67	ug/L	1		8260B	Total/NA
Dichlorofluoromethane	13		1.0	0.38	ug/L	1		8260B	Total/NA
Methylene Chloride	2.9	J C	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	0.54		0.50	0.16	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: SCS Engineers
Project/Site: Stoughton LF #25216022

TestAmerica Job ID: 500-144479-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: SCS Engineers
Project/Site: Stoughton LF #25216022

TestAmerica Job ID: 500-144479-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-144479-1	Trip Blank	Water	04/26/18 00:00	04/27/18 08:50
500-144479-2	Field Blank	Water	04/26/18 10:50	04/27/18 08:50
500-144479-3	MW3D	Water	04/25/18 11:25	04/27/18 08:50
500-144479-4	MW4D	Water	04/25/18 12:30	04/27/18 08:50
500-144479-5	MW5D	Water	04/25/18 15:25	04/27/18 08:50
500-144479-6	MW10S	Water	04/25/18 16:35	04/27/18 08:50
500-144479-7	MW7I	Water	04/25/18 15:15	04/27/18 08:50
500-144479-8	MW9S	Water	04/25/18 16:20	04/27/18 08:50
500-144479-9	MW9B	Water	04/25/18 16:30	04/27/18 08:50
500-144479-10	MW14S	Water	04/26/18 10:00	04/27/18 08:50
500-144479-11	MW14I	Water	04/26/18 10:20	04/27/18 08:50
500-144479-12	MW8I	Water	04/26/18 11:20	04/27/18 08:50
500-144479-13	MW8I DUP	Water	04/26/18 11:20	04/27/18 08:50
500-144479-14	MW10I	Water	04/26/18 11:00	04/27/18 08:50
500-144479-15	MW13I	Water	04/26/18 10:45	04/27/18 08:50
500-144479-16	MW9I	Water	04/26/18 12:00	04/27/18 08:50

Client: SCS Engineers
Project/Site: Stoughton LF #25216022

TestAmerica Job ID: 500-144479-1

Client Sample ID: Trip Blank
Date Collected: 04/26/18 00:00
Date Received: 04/27/18 08:50

Lab Sample ID: 500-144479-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/08/18 23:07	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/08/18 23:07	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/08/18 23:07	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/08/18 23:07	1
Bromoform	<0.48		1.0	0.48	ug/L			05/08/18 23:07	1
Bromomethane	<0.80		2.0	0.80	ug/L			05/08/18 23:07	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/08/18 23:07	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/08/18 23:07	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/08/18 23:07	1
Chloroform	<0.37		2.0	0.37	ug/L			05/08/18 23:07	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/08/18 23:07	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/08/18 23:07	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/08/18 23:07	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/08/18 23:07	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/08/18 23:07	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/08/18 23:07	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/08/18 23:07	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/08/18 23:07	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/08/18 23:07	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/08/18 23:07	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/08/18 23:07	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/08/18 23:07	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			05/08/18 23:07	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/08/18 23:07	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/08/18 23:07	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/08/18 23:07	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			05/08/18 23:07	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/08/18 23:07	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/08/18 23:07	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/08/18 23:07	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/08/18 23:07	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/08/18 23:07	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/08/18 23:07	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/08/18 23:07	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/08/18 23:07	1
Methylene Chloride	**2.8**	**J C**	5.0	1.6	ug/L			05/08/18 23:07	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/08/18 23:07	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/08/18 23:07	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/08/18 23:07	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/08/18 23:07	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/08/18 23:07	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/18 23:07	1
Styrene	<0.39		1.0	0.39	ug/L			05/08/18 23:07	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/18 23:07	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/08/18 23:07	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/08/18 23:07	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/08/18 23:07	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/08/18 23:07	1
Toluene	<0.15		0.50	0.15	ug/L			05/08/18 23:07	1

Client Sample ID: Trip Blank

Lab Sample ID: 500-144479-1
Matrix: Water
Date Collected: 04/26/18 00:00
Date Received: 04/27/18 08:50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/08/18 23:07	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/08/18 23:07	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/08/18 23:07	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/08/18 23:07	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/08/18 23:07	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/08/18 23:07	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/08/18 23:07	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/08/18 23:07	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			05/08/18 23:07	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/08/18 23:07	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/08/18 23:07	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/08/18 23:07	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/08/18 23:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*		*05/08/18 23:07*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*05/08/18 23:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*75 - 126*		*05/08/18 23:07*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/08/18 23:07*	*1*

Client Sample ID: Field Blank

Lab Sample ID: 500-144479-2
Matrix: Water
Date Collected: 04/26/18 10:50
Date Received: 04/27/18 08:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/08/18 23:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/08/18 23:37	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/08/18 23:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/08/18 23:37	1
Bromoform	<0.48		1.0	0.48	ug/L			05/08/18 23:37	1
Bromomethane	<0.80		2.0	0.80	ug/L			05/08/18 23:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/08/18 23:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/08/18 23:37	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/08/18 23:37	1
Chloroform	<0.37		2.0	0.37	ug/L			05/08/18 23:37	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/08/18 23:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/08/18 23:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/08/18 23:37	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/08/18 23:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/08/18 23:37	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/08/18 23:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/08/18 23:37	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/08/18 23:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/08/18 23:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/08/18 23:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/08/18 23:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/08/18 23:37	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			05/08/18 23:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/08/18 23:37	1

Client Sample ID: Field Blank
Date Collected: 04/26/18 10:50
Date Received: 04/27/18 08:50

Lab Sample ID: 500-144479-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/08/18 23:37	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/08/18 23:37	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			05/08/18 23:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/08/18 23:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/08/18 23:37	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/08/18 23:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/08/18 23:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/08/18 23:37	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/08/18 23:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/08/18 23:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/08/18 23:37	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/08/18 23:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/08/18 23:37	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/08/18 23:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/08/18 23:37	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/08/18 23:37	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/08/18 23:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/18 23:37	1
Styrene	<0.39		1.0	0.39	ug/L			05/08/18 23:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/18 23:37	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/08/18 23:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/08/18 23:37	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/08/18 23:37	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/08/18 23:37	1
Toluene	**0.53**		0.50	0.15	ug/L			05/08/18 23:37	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/08/18 23:37	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/08/18 23:37	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/08/18 23:37	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/08/18 23:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/08/18 23:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/08/18 23:37	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/08/18 23:37	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/08/18 23:37	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			05/08/18 23:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/08/18 23:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/08/18 23:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/08/18 23:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/08/18 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*72 - 124*		*05/08/18 23:37*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*05/08/18 23:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*75 - 126*		*05/08/18 23:37*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/08/18 23:37*	*1*

Client Sample ID: MW3D
Lab Sample ID: 500-144479-3
Date Collected: 04/25/18 11:25
Matrix: Water
Date Received: 04/27/18 08:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			05/08/18 13:05	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/08/18 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*05/08/18 13:05*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*05/08/18 13:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 126*		*05/08/18 13:05*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/08/18 13:05*	*1*

Client Sample ID: MW4D
Lab Sample ID: 500-144479-4
Date Collected: 04/25/18 12:30
Matrix: Water
Date Received: 04/27/18 08:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			05/08/18 13:35	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/08/18 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*		*05/08/18 13:35*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*05/08/18 13:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*75 - 126*		*05/08/18 13:35*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/08/18 13:35*	*1*

Client Sample ID: MW5D
Lab Sample ID: 500-144479-5
Date Collected: 04/25/18 15:25
Matrix: Water
Date Received: 04/27/18 08:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.8	J	2.0	0.67	ug/L			05/08/18 14:05	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/08/18 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*05/08/18 14:05*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*05/08/18 14:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*75 - 126*		*05/08/18 14:05*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/08/18 14:05*	*1*

Client Sample ID: MW10S
Lab Sample ID: 500-144479-6
Date Collected: 04/25/18 16:35
Matrix: Water
Date Received: 04/27/18 08:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/08/18 14:35	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/08/18 14:35	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/08/18 14:35	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/08/18 14:35	1
Bromoform	<0.48		1.0	0.48	ug/L			05/08/18 14:35	1
Bromomethane	<0.80		2.0	0.80	ug/L			05/08/18 14:35	1

Client Sample ID: MW10S
Date Collected: 04/25/18 16:35
Date Received: 04/27/18 08:50

Lab Sample ID: 500-144479-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/08/18 14:35	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/08/18 14:35	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/08/18 14:35	1
Chloroform	<0.37		2.0	0.37	ug/L			05/08/18 14:35	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/08/18 14:35	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/08/18 14:35	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/08/18 14:35	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/08/18 14:35	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/08/18 14:35	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/08/18 14:35	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/08/18 14:35	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/08/18 14:35	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/08/18 14:35	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/08/18 14:35	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/08/18 14:35	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/08/18 14:35	1
Dichlorodifluoromethane	**0.98**	**J**	2.0	0.67	ug/L			05/08/18 14:35	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/08/18 14:35	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/08/18 14:35	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/08/18 14:35	1
Dichlorofluoromethane	**0.97**	**J**	1.0	0.38	ug/L			05/08/18 14:35	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/08/18 14:35	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/08/18 14:35	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/08/18 14:35	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/08/18 14:35	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/08/18 14:35	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/08/18 14:35	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/08/18 14:35	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/08/18 14:35	1
Methylene Chloride	**8.3**	**C**	5.0	1.6	ug/L			05/08/18 14:35	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/08/18 14:35	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/08/18 14:35	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/08/18 14:35	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/08/18 14:35	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/08/18 14:35	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/18 14:35	1
Styrene	<0.39		1.0	0.39	ug/L			05/08/18 14:35	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/18 14:35	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/08/18 14:35	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/08/18 14:35	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/08/18 14:35	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/08/18 14:35	1
Toluene	<0.15		0.50	0.15	ug/L			05/08/18 14:35	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/08/18 14:35	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/08/18 14:35	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/08/18 14:35	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/08/18 14:35	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/08/18 14:35	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/08/18 14:35	1

Client Sample ID: MW10S
Date Collected: 04/25/18 16:35
Date Received: 04/27/18 08:50

Lab Sample ID: 500-144479-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<0.16		0.50	0.16	ug/L			05/08/18 14:35	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/08/18 14:35	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			05/08/18 14:35	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/08/18 14:35	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/08/18 14:35	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/08/18 14:35	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/08/18 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*		*05/08/18 14:35*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*05/08/18 14:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 126*		*05/08/18 14:35*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/08/18 14:35*	*1*

Client Sample ID: MW7I
Date Collected: 04/25/18 15:15
Date Received: 04/27/18 08:50

Lab Sample ID: 500-144479-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			05/08/18 15:06	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/08/18 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*05/08/18 15:06*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*05/08/18 15:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 126*		*05/08/18 15:06*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/08/18 15:06*	*1*

Client Sample ID: MW9S
Date Collected: 04/25/18 16:20
Date Received: 04/27/18 08:50

Lab Sample ID: 500-144479-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/08/18 15:36	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/08/18 15:36	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/08/18 15:36	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/08/18 15:36	1
Bromoform	<0.48		1.0	0.48	ug/L			05/08/18 15:36	1
Bromomethane	<0.80		2.0	0.80	ug/L			05/08/18 15:36	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/08/18 15:36	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/08/18 15:36	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/08/18 15:36	1
Chloroform	<0.37		2.0	0.37	ug/L			05/08/18 15:36	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/08/18 15:36	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/08/18 15:36	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/08/18 15:36	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/08/18 15:36	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/08/18 15:36	1

Client Sample ID: MW9S
Date Collected: 04/25/18 16:20
Date Received: 04/27/18 08:50

Lab Sample ID: 500-144479-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/08/18 15:36	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/08/18 15:36	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/08/18 15:36	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/08/18 15:36	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/08/18 15:36	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/08/18 15:36	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/08/18 15:36	1
Dichlorodifluoromethane	**22**		2.0	0.67	ug/L			05/08/18 15:36	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/08/18 15:36	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/08/18 15:36	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/08/18 15:36	1
Dichlorofluoromethane	**23**		1.0	0.38	ug/L			05/08/18 15:36	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/08/18 15:36	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/08/18 15:36	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/08/18 15:36	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/08/18 15:36	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/08/18 15:36	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/08/18 15:36	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/08/18 15:36	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/08/18 15:36	1
Methylene Chloride	**8.0**	**C**	5.0	1.6	ug/L			05/08/18 15:36	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/08/18 15:36	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/08/18 15:36	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/08/18 15:36	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/08/18 15:36	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/08/18 15:36	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/18 15:36	1
Styrene	<0.39		1.0	0.39	ug/L			05/08/18 15:36	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/18 15:36	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/08/18 15:36	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/08/18 15:36	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/08/18 15:36	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/08/18 15:36	1
Toluene	<0.15		0.50	0.15	ug/L			05/08/18 15:36	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/08/18 15:36	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/08/18 15:36	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/08/18 15:36	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/08/18 15:36	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/08/18 15:36	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/08/18 15:36	1
Trichloroethene	**0.32**	**J**	0.50	0.16	ug/L			05/08/18 15:36	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/08/18 15:36	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			05/08/18 15:36	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/08/18 15:36	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/08/18 15:36	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/08/18 15:36	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/08/18 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*05/08/18 15:36*	*1*

Client Sample ID: MW9S

Date Collected: 04/25/18 16:20
Date Received: 04/27/18 08:50

Lab Sample ID: 500-144479-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*97*		*75 - 120*		*05/08/18 15:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*75 - 126*		*05/08/18 15:36*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/08/18 15:36*	*1*

Client Sample ID: MW9B

Date Collected: 04/25/18 16:30
Date Received: 04/27/18 08:50

Lab Sample ID: 500-144479-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/08/18 16:06	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/08/18 16:06	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/08/18 16:06	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/08/18 16:06	1
Bromoform	<0.48		1.0	0.48	ug/L			05/08/18 16:06	1
Bromomethane	<0.80		2.0	0.80	ug/L			05/08/18 16:06	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/08/18 16:06	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/08/18 16:06	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/08/18 16:06	1
Chloroform	<0.37		2.0	0.37	ug/L			05/08/18 16:06	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/08/18 16:06	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/08/18 16:06	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/08/18 16:06	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/08/18 16:06	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/08/18 16:06	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/08/18 16:06	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/08/18 16:06	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/08/18 16:06	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/08/18 16:06	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/08/18 16:06	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/08/18 16:06	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/08/18 16:06	1
Dichlorodifluoromethane	**7.1**		2.0	0.67	ug/L			05/08/18 16:06	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/08/18 16:06	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/08/18 16:06	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/08/18 16:06	1
Dichlorofluoromethane	**2.2**		1.0	0.38	ug/L			05/08/18 16:06	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/08/18 16:06	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/08/18 16:06	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/08/18 16:06	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/08/18 16:06	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/08/18 16:06	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/08/18 16:06	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/08/18 16:06	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/08/18 16:06	1
Methylene Chloride	**7.3**	**C**	5.0	1.6	ug/L			05/08/18 16:06	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/08/18 16:06	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/08/18 16:06	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/08/18 16:06	1

Client Sample ID: MW9B
Date Collected: 04/25/18 16:30
Date Received: 04/27/18 08:50

Lab Sample ID: 500-144479-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/08/18 16:06	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/08/18 16:06	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/18 16:06	1
Styrene	<0.39		1.0	0.39	ug/L			05/08/18 16:06	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/18 16:06	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/08/18 16:06	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/08/18 16:06	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/08/18 16:06	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/08/18 16:06	1
Toluene	<0.15		0.50	0.15	ug/L			05/08/18 16:06	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/08/18 16:06	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/08/18 16:06	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/08/18 16:06	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/08/18 16:06	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/08/18 16:06	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/08/18 16:06	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/08/18 16:06	1
Trichlorofluoromethane	**4.8**		1.0	0.43	ug/L			05/08/18 16:06	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			05/08/18 16:06	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/08/18 16:06	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/08/18 16:06	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/08/18 16:06	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/08/18 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*05/08/18 16:06*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*05/08/18 16:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*75 - 126*		*05/08/18 16:06*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/08/18 16:06*	*1*

Client Sample ID: MW14S
Date Collected: 04/26/18 10:00
Date Received: 04/27/18 08:50

Lab Sample ID: 500-144479-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/09/18 00:07	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/09/18 00:07	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/09/18 00:07	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/09/18 00:07	1
Bromoform	<0.48		1.0	0.48	ug/L			05/09/18 00:07	1
Bromomethane	<0.80		2.0	0.80	ug/L			05/09/18 00:07	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/09/18 00:07	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/09/18 00:07	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/09/18 00:07	1
Chloroform	<0.37		2.0	0.37	ug/L			05/09/18 00:07	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/09/18 00:07	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/09/18 00:07	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/09/18 00:07	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/09/18 00:07	1

Client Sample ID: MW14S
Date Collected: 04/26/18 10:00
Date Received: 04/27/18 08:50

Lab Sample ID: 500-144479-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/09/18 00:07	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/09/18 00:07	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/09/18 00:07	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/09/18 00:07	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/09/18 00:07	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/09/18 00:07	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/09/18 00:07	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/09/18 00:07	1
Dichlorodifluoromethane	**2.4**		2.0	0.67	ug/L			05/09/18 00:07	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/09/18 00:07	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/09/18 00:07	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/09/18 00:07	1
Dichlorofluoromethane	**3.6**		1.0	0.38	ug/L			05/09/18 00:07	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/09/18 00:07	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/09/18 00:07	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/09/18 00:07	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/09/18 00:07	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/09/18 00:07	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/09/18 00:07	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/09/18 00:07	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/09/18 00:07	1
Methylene Chloride	**2.7**	**J C**	5.0	1.6	ug/L			05/09/18 00:07	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/09/18 00:07	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/09/18 00:07	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/09/18 00:07	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/09/18 00:07	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/09/18 00:07	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/09/18 00:07	1
Styrene	<0.39		1.0	0.39	ug/L			05/09/18 00:07	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/09/18 00:07	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/09/18 00:07	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/09/18 00:07	1
Tetrachloroethene	**0.89**	**J**	1.0	0.37	ug/L			05/09/18 00:07	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/09/18 00:07	1
Toluene	<0.15		0.50	0.15	ug/L			05/09/18 00:07	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/09/18 00:07	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/09/18 00:07	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/09/18 00:07	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/09/18 00:07	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/09/18 00:07	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/09/18 00:07	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/09/18 00:07	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/09/18 00:07	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			05/09/18 00:07	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/09/18 00:07	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/09/18 00:07	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/09/18 00:07	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/09/18 00:07	1

Client Sample ID: MW14S

Date Collected: 04/26/18 10:00
Date Received: 04/27/18 08:50

Lab Sample ID: 500-144479-10
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		72 - 124		05/09/18 00:07	1
Dibromofluoromethane	99		75 - 120		05/09/18 00:07	1
1,2-Dichloroethane-d4 (Surr)	86		75 - 126		05/09/18 00:07	1
Toluene-d8 (Surr)	96		75 - 120		05/09/18 00:07	1

Client Sample ID: MW14I

Date Collected: 04/26/18 10:20
Date Received: 04/27/18 08:50

Lab Sample ID: 500-144479-11
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/09/18 00:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/09/18 00:37	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/09/18 00:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/09/18 00:37	1
Bromoform	<0.48		1.0	0.48	ug/L			05/09/18 00:37	1
Bromomethane	<0.80		2.0	0.80	ug/L			05/09/18 00:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/09/18 00:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/09/18 00:37	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/09/18 00:37	1
Chloroform	<0.37		2.0	0.37	ug/L			05/09/18 00:37	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/09/18 00:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/09/18 00:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/09/18 00:37	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/09/18 00:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/09/18 00:37	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/09/18 00:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/09/18 00:37	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/09/18 00:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/09/18 00:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/09/18 00:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/09/18 00:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/09/18 00:37	1
Dichlorodifluoromethane	**2.1**		2.0	0.67	ug/L			05/09/18 00:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/09/18 00:37	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/09/18 00:37	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/09/18 00:37	1
Dichlorofluoromethane	**9.5**		1.0	0.38	ug/L			05/09/18 00:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/09/18 00:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/09/18 00:37	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/09/18 00:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/09/18 00:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/09/18 00:37	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/09/18 00:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/09/18 00:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/09/18 00:37	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/09/18 00:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/09/18 00:37	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/09/18 00:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/09/18 00:37	1

Client Sample ID: MW14I

Date Collected: 04/26/18 10:20
Date Received: 04/27/18 08:50

Lab Sample ID: 500-144479-11

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/09/18 00:37	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/09/18 00:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/09/18 00:37	1
Styrene	<0.39		1.0	0.39	ug/L			05/09/18 00:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/09/18 00:37	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/09/18 00:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/09/18 00:37	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/09/18 00:37	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/09/18 00:37	1
Toluene	<0.15		0.50	0.15	ug/L			05/09/18 00:37	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/09/18 00:37	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/09/18 00:37	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/09/18 00:37	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/09/18 00:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/09/18 00:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/09/18 00:37	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/09/18 00:37	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/09/18 00:37	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			05/09/18 00:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/09/18 00:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/09/18 00:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/09/18 00:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/09/18 00:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*05/09/18 00:37*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*05/09/18 00:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 126*		*05/09/18 00:37*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/09/18 00:37*	*1*

Client Sample ID: MW8I

Date Collected: 04/26/18 11:20
Date Received: 04/27/18 08:50

Lab Sample ID: 500-144479-12

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			05/09/18 01:07	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/09/18 01:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*		*05/09/18 01:07*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*05/09/18 01:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*75 - 126*		*05/09/18 01:07*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/09/18 01:07*	*1*

Client: SCS Engineers
Project/Site: Stoughton LF #25216022

TestAmerica Job ID: 500-144479-1

Client Sample ID: MW8I DUP
Date Collected: 04/26/18 11:20
Date Received: 04/27/18 08:50

Lab Sample ID: 500-144479-13
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/09/18 01:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/09/18 01:37	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/09/18 01:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/09/18 01:37	1
Bromoform	<0.48		1.0	0.48	ug/L			05/09/18 01:37	1
Bromomethane	<0.80		2.0	0.80	ug/L			05/09/18 01:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/09/18 01:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/09/18 01:37	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/09/18 01:37	1
Chloroform	<0.37		2.0	0.37	ug/L			05/09/18 01:37	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/09/18 01:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/09/18 01:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/09/18 01:37	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/09/18 01:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/09/18 01:37	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/09/18 01:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/09/18 01:37	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/09/18 01:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/09/18 01:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/09/18 01:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/09/18 01:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/09/18 01:37	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			05/09/18 01:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/09/18 01:37	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/09/18 01:37	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/09/18 01:37	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			05/09/18 01:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/09/18 01:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/09/18 01:37	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/09/18 01:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/09/18 01:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/09/18 01:37	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/09/18 01:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/09/18 01:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/09/18 01:37	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/09/18 01:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/09/18 01:37	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/09/18 01:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/09/18 01:37	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/09/18 01:37	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/09/18 01:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/09/18 01:37	1
Styrene	<0.39		1.0	0.39	ug/L			05/09/18 01:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/09/18 01:37	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/09/18 01:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/09/18 01:37	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/09/18 01:37	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/09/18 01:37	1
Toluene	<0.15		0.50	0.15	ug/L			05/09/18 01:37	1

Client Sample ID: MW8I DUP

Lab Sample ID: 500-144479-13

Date Collected: 04/26/18 11:20

Matrix: Water

Date Received: 04/27/18 08:50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/09/18 01:37	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/09/18 01:37	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/09/18 01:37	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/09/18 01:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/09/18 01:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/09/18 01:37	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/09/18 01:37	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/09/18 01:37	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			05/09/18 01:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/09/18 01:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/09/18 01:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/09/18 01:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/09/18 01:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*05/09/18 01:37*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*05/09/18 01:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 126*		*05/09/18 01:37*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/09/18 01:37*	*1*

Client Sample ID: MW10I

Lab Sample ID: 500-144479-14

Date Collected: 04/26/18 11:00

Matrix: Water

Date Received: 04/27/18 08:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/09/18 02:07	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/09/18 02:07	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/09/18 02:07	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/09/18 02:07	1
Bromoform	<0.48		1.0	0.48	ug/L			05/09/18 02:07	1
Bromomethane	<0.80		2.0	0.80	ug/L			05/09/18 02:07	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/09/18 02:07	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/09/18 02:07	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/09/18 02:07	1
Chloroform	<0.37		2.0	0.37	ug/L			05/09/18 02:07	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/09/18 02:07	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/09/18 02:07	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/09/18 02:07	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/09/18 02:07	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/09/18 02:07	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/09/18 02:07	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/09/18 02:07	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/09/18 02:07	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/09/18 02:07	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/09/18 02:07	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/09/18 02:07	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/09/18 02:07	1
Dichlorodifluoromethane	**8.0**		2.0	0.67	ug/L			05/09/18 02:07	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/09/18 02:07	1

Client Sample ID: MW10I
Date Collected: 04/26/18 11:00
Date Received: 04/27/18 08:50

Lab Sample ID: 500-144479-14
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/09/18 02:07	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/09/18 02:07	1
Dichlorofluoromethane	**5.0**		1.0	0.38	ug/L			05/09/18 02:07	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/09/18 02:07	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/09/18 02:07	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/09/18 02:07	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/09/18 02:07	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/09/18 02:07	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/09/18 02:07	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/09/18 02:07	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/09/18 02:07	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/09/18 02:07	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/09/18 02:07	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/09/18 02:07	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/09/18 02:07	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/09/18 02:07	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/09/18 02:07	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/09/18 02:07	1
Styrene	<0.39		1.0	0.39	ug/L			05/09/18 02:07	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/09/18 02:07	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/09/18 02:07	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/09/18 02:07	1
Tetrachloroethene	**1.9**		1.0	0.37	ug/L			05/09/18 02:07	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/09/18 02:07	1
Toluene	<0.15		0.50	0.15	ug/L			05/09/18 02:07	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/09/18 02:07	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/09/18 02:07	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/09/18 02:07	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/09/18 02:07	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/09/18 02:07	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/09/18 02:07	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/09/18 02:07	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/09/18 02:07	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			05/09/18 02:07	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/09/18 02:07	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/09/18 02:07	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/09/18 02:07	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/09/18 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*		*05/09/18 02:07*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*05/09/18 02:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*		*05/09/18 02:07*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/09/18 02:07*	*1*

Client Sample ID: MW13I

Lab Sample ID: 500-144479-15

Date Collected: 04/26/18 10:45

Matrix: Water

Date Received: 04/27/18 08:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			05/09/18 02:37	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/09/18 02:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*05/09/18 02:37*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*05/09/18 02:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 126*		*05/09/18 02:37*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/09/18 02:37*	*1*

Client Sample ID: MW9I

Lab Sample ID: 500-144479-16

Date Collected: 04/26/18 12:00

Matrix: Water

Date Received: 04/27/18 08:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/09/18 03:07	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/09/18 03:07	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/09/18 03:07	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/09/18 03:07	1
Bromoform	<0.48		1.0	0.48	ug/L			05/09/18 03:07	1
Bromomethane	<0.80		2.0	0.80	ug/L			05/09/18 03:07	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/09/18 03:07	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/09/18 03:07	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/09/18 03:07	1
Chloroform	<0.37		2.0	0.37	ug/L			05/09/18 03:07	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/09/18 03:07	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/09/18 03:07	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/09/18 03:07	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/09/18 03:07	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/09/18 03:07	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/09/18 03:07	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/09/18 03:07	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/09/18 03:07	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/09/18 03:07	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/09/18 03:07	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/09/18 03:07	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/09/18 03:07	1
Dichlorodifluoromethane	**22**		2.0	0.67	ug/L			05/09/18 03:07	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/09/18 03:07	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/09/18 03:07	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/09/18 03:07	1
Dichlorofluoromethane	**13**		1.0	0.38	ug/L			05/09/18 03:07	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/09/18 03:07	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/09/18 03:07	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/09/18 03:07	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/09/18 03:07	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/09/18 03:07	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/09/18 03:07	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/09/18 03:07	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/09/18 03:07	1

Client: SCS Engineers
Project/Site: Stoughton LF #25216022

TestAmerica Job ID: 500-144479-1

Client Sample ID: MW9I
Date Collected: 04/26/18 12:00
Date Received: 04/27/18 08:50

Lab Sample ID: 500-144479-16
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	**2.9**	**J C**	5.0	1.6	ug/L			05/09/18 03:07	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/09/18 03:07	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/09/18 03:07	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/09/18 03:07	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/09/18 03:07	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/09/18 03:07	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/09/18 03:07	1
Styrene	<0.39		1.0	0.39	ug/L			05/09/18 03:07	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/09/18 03:07	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/09/18 03:07	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/09/18 03:07	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/09/18 03:07	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/09/18 03:07	1
Toluene	<0.15		0.50	0.15	ug/L			05/09/18 03:07	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/09/18 03:07	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/09/18 03:07	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/09/18 03:07	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/09/18 03:07	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/09/18 03:07	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/09/18 03:07	1
Trichloroethene	**0.54**		0.50	0.16	ug/L			05/09/18 03:07	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/09/18 03:07	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			05/09/18 03:07	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/09/18 03:07	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/09/18 03:07	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/09/18 03:07	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/09/18 03:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*		*05/09/18 03:07*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*05/09/18 03:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*		*05/09/18 03:07*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/09/18 03:07*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
C	See Case Narrative
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: SCS Engineers
Project/Site: Stoughton LF #25216022

TestAmerica Job ID: 500-144479-1

GC/MS VOA

Analysis Batch: 431090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-144479-3	MW3D	Total/NA	Water	8260B	
500-144479-4	MW4D	Total/NA	Water	8260B	
500-144479-5	MW5D	Total/NA	Water	8260B	
500-144479-6	MW10S	Total/NA	Water	8260B	
500-144479-7	MW7I	Total/NA	Water	8260B	
500-144479-8	MW9S	Total/NA	Water	8260B	
500-144479-9	MW9B	Total/NA	Water	8260B	
MB 500-431090/6	Method Blank	Total/NA	Water	8260B	
LCS 500-431090/7	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 431172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-144479-1	Trip Blank	Total/NA	Water	8260B	
500-144479-2	Field Blank	Total/NA	Water	8260B	
500-144479-10	MW14S	Total/NA	Water	8260B	
500-144479-11	MW14I	Total/NA	Water	8260B	
500-144479-12	MW8I	Total/NA	Water	8260B	
500-144479-13	MW8I DUP	Total/NA	Water	8260B	
500-144479-14	MW10I	Total/NA	Water	8260B	
500-144479-15	MW13I	Total/NA	Water	8260B	
500-144479-16	MW9I	Total/NA	Water	8260B	
MB 500-431172/6	Method Blank	Total/NA	Water	8260B	
LCS 500-431172/4	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: SCS Engineers
Project/Site: Stoughton LF #25216022

TestAmerica Job ID: 500-144479-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-144479-1	Trip Blank	108	97	86	98
500-144479-2	Field Blank	107	96	86	97
500-144479-3	MW3D	106	98	87	97
500-144479-4	MW4D	104	97	85	97
500-144479-5	MW5D	105	97	86	96
500-144479-6	MW10S	104	99	87	96
500-144479-7	MW7I	105	98	87	97
500-144479-8	MW9S	106	97	85	98
500-144479-9	MW9B	105	99	86	96
500-144479-10	MW14S	107	99	86	96
500-144479-11	MW14I	105	98	87	96
500-144479-12	MW8I	108	99	86	97
500-144479-13	MW8I DUP	106	99	87	98
500-144479-14	MW10I	108	100	89	96
500-144479-15	MW13I	106	99	87	96
500-144479-16	MW9I	108	101	89	97
LCS 500-431090/7	Lab Control Sample	104	90	78	99
LCS 500-431172/4	Lab Control Sample	106	92	80	98
MB 500-431090/6	Method Blank	105	94	84	98
MB 500-431172/6	Method Blank	107	99	87	96

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-431090/6
Matrix: Water
Analysis Batch: 431090

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/08/18 10:05	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/08/18 10:05	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/08/18 10:05	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/08/18 10:05	1
Bromoform	<0.48		1.0	0.48	ug/L			05/08/18 10:05	1
Bromomethane	<0.80		2.0	0.80	ug/L			05/08/18 10:05	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/08/18 10:05	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/08/18 10:05	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/08/18 10:05	1
Chloroform	<0.37		2.0	0.37	ug/L			05/08/18 10:05	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/08/18 10:05	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/08/18 10:05	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/08/18 10:05	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/08/18 10:05	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/08/18 10:05	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/08/18 10:05	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/08/18 10:05	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/08/18 10:05	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/08/18 10:05	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/08/18 10:05	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/08/18 10:05	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/08/18 10:05	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			05/08/18 10:05	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/08/18 10:05	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/08/18 10:05	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/08/18 10:05	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			05/08/18 10:05	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/08/18 10:05	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/08/18 10:05	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/08/18 10:05	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/08/18 10:05	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/08/18 10:05	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/08/18 10:05	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/08/18 10:05	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/08/18 10:05	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/08/18 10:05	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/08/18 10:05	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/08/18 10:05	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/08/18 10:05	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/08/18 10:05	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/08/18 10:05	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/18 10:05	1
Styrene	<0.39		1.0	0.39	ug/L			05/08/18 10:05	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/18 10:05	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/08/18 10:05	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/08/18 10:05	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/08/18 10:05	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/08/18 10:05	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-431090/6
Matrix: Water
Analysis Batch: 431090

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.15		0.50	0.15	ug/L			05/08/18 10:05	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/08/18 10:05	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/08/18 10:05	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/08/18 10:05	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/08/18 10:05	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/08/18 10:05	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/08/18 10:05	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/08/18 10:05	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/08/18 10:05	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			05/08/18 10:05	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/08/18 10:05	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/08/18 10:05	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/08/18 10:05	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/08/18 10:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*05/08/18 10:05*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*05/08/18 10:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*75 - 126*		*05/08/18 10:05*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/08/18 10:05*	*1*

Lab Sample ID: LCS 500-431090/7
Matrix: Water
Analysis Batch: 431090

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	48.3		ug/L		97	70 - 120
Bromobenzene	50.0	52.0		ug/L		104	70 - 122
Bromochloromethane	50.0	47.0		ug/L		94	65 - 122
Bromodichloromethane	50.0	46.4		ug/L		93	69 - 120
Bromoform	50.0	45.2		ug/L		90	56 - 132
Bromomethane	50.0	60.0		ug/L		120	40 - 130
Carbon tetrachloride	50.0	43.2		ug/L		86	65 - 122
Chlorobenzene	50.0	52.0		ug/L		104	70 - 120
Chloroethane	50.0	41.4		ug/L		83	45 - 127
Chloroform	50.0	44.9		ug/L		90	70 - 120
Chloromethane	50.0	50.7		ug/L		101	54 - 147
2-Chlorotoluene	50.0	57.4		ug/L		115	70 - 125
4-Chlorotoluene	50.0	57.5		ug/L		115	68 - 124
cis-1,2-Dichloroethene	50.0	49.9		ug/L		100	70 - 125
cis-1,3-Dichloropropene	50.0	50.2		ug/L		100	64 - 127
Dibromochloromethane	50.0	48.9		ug/L		98	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	49.5		ug/L		99	56 - 123
1,2-Dibromoethane	50.0	54.2		ug/L		108	70 - 125
Dibromomethane	50.0	46.8		ug/L		94	70 - 120
1,2-Dichlorobenzene	50.0	52.8		ug/L		106	70 - 125
1,3-Dichlorobenzene	50.0	52.6		ug/L		105	70 - 125
1,4-Dichlorobenzene	50.0	52.2		ug/L		104	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-431090/7
Matrix: Water
Analysis Batch: 431090

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	50.0	57.5		ug/L		115	40 - 150
1,1-Dichloroethane	50.0	42.9		ug/L		86	70 - 125
1,2-Dichloroethane	50.0	41.9		ug/L		84	68 - 127
1,1-Dichloroethene	50.0	52.1		ug/L		104	67 - 122
Dichlorofluoromethane	50.0	43.8		ug/L		88	69 - 124
1,2-Dichloropropane	50.0	43.4		ug/L		87	67 - 130
1,3-Dichloropropane	50.0	53.5		ug/L		107	62 - 136
2,2-Dichloropropane	50.0	37.4		ug/L		75	58 - 129
1,1-Dichloropropene	50.0	48.9		ug/L		98	70 - 121
Ethylbenzene	50.0	54.5		ug/L		109	70 - 120
Hexachlorobutadiene	50.0	44.9		ug/L		90	51 - 150
Isopropylbenzene	50.0	57.9		ug/L		116	70 - 126
Methylene Chloride	50.0	50.7		ug/L		101	69 - 125
Methyl tert-butyl ether	50.0	42.0		ug/L		84	70 - 120
Naphthalene	50.0	53.1		ug/L		106	59 - 130
n-Butylbenzene	50.0	58.9		ug/L		118	68 - 125
N-Propylbenzene	50.0	59.6		ug/L		119	69 - 127
p-Isopropyltoluene	50.0	56.3		ug/L		113	70 - 125
sec-Butylbenzene	50.0	58.7		ug/L		117	70 - 123
Styrene	50.0	54.6		ug/L		109	70 - 120
tert-Butylbenzene	50.0	55.5		ug/L		111	70 - 121
1,1,1,2-Tetrachloroethane	50.0	47.5		ug/L		95	70 - 125
1,1,2,2-Tetrachloroethane	50.0	58.4		ug/L		117	67 - 127
Tetrachloroethene	50.0	47.3		ug/L		95	70 - 128
Tetrahydrofuran	100	107		ug/L		107	59 - 139
Toluene	50.0	54.3		ug/L		109	70 - 125
trans-1,2-Dichloroethene	50.0	50.6		ug/L		101	70 - 125
trans-1,3-Dichloropropene	50.0	48.8		ug/L		98	62 - 128
1,2,3-Trichlorobenzene	50.0	49.7		ug/L		99	55 - 140
1,2,4-Trichlorobenzene	50.0	47.9		ug/L		96	66 - 127
1,1,1-Trichloroethane	50.0	43.0		ug/L		86	70 - 125
1,1,2-Trichloroethane	50.0	54.1		ug/L		108	70 - 122
Trichloroethene	50.0	47.3		ug/L		95	70 - 125
Trichlorofluoromethane	50.0	42.9		ug/L		86	70 - 126
1,2,3-Trichloropropane	50.0	53.7		ug/L		107	50 - 133
1,2,4-Trimethylbenzene	50.0	58.0		ug/L		116	70 - 123
1,3,5-Trimethylbenzene	50.0	58.6		ug/L		117	70 - 123
Vinyl chloride	50.0	46.0		ug/L		92	64 - 126
Xylenes, Total	100	109		ug/L		109	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*
Dibromofluoromethane	*90*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*78*		*75 - 126*
Toluene-d8 (Surr)	*99*		*75 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-431172/6
Matrix: Water
Analysis Batch: 431172

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/08/18 22:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/08/18 22:37	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/08/18 22:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/08/18 22:37	1
Bromoform	<0.48		1.0	0.48	ug/L			05/08/18 22:37	1
Bromomethane	<0.80		2.0	0.80	ug/L			05/08/18 22:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/08/18 22:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/08/18 22:37	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/08/18 22:37	1
Chloroform	<0.37		2.0	0.37	ug/L			05/08/18 22:37	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/08/18 22:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/08/18 22:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/08/18 22:37	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/08/18 22:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/08/18 22:37	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/08/18 22:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/08/18 22:37	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/08/18 22:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/08/18 22:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/08/18 22:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/08/18 22:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/08/18 22:37	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			05/08/18 22:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/08/18 22:37	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/08/18 22:37	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/08/18 22:37	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			05/08/18 22:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/08/18 22:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/08/18 22:37	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/08/18 22:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/08/18 22:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/08/18 22:37	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/08/18 22:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/08/18 22:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/08/18 22:37	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/08/18 22:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/08/18 22:37	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/08/18 22:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/08/18 22:37	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/08/18 22:37	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/08/18 22:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/18 22:37	1
Styrene	<0.39		1.0	0.39	ug/L			05/08/18 22:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/18 22:37	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/08/18 22:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/08/18 22:37	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/08/18 22:37	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/08/18 22:37	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-431172/6
Matrix: Water
Analysis Batch: 431172

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.15		0.50	0.15	ug/L			05/08/18 22:37	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/08/18 22:37	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/08/18 22:37	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/08/18 22:37	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/08/18 22:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/08/18 22:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/08/18 22:37	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/08/18 22:37	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/08/18 22:37	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			05/08/18 22:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/08/18 22:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/08/18 22:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/08/18 22:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/08/18 22:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*72 - 124*		*05/08/18 22:37*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*05/08/18 22:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 126*		*05/08/18 22:37*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/08/18 22:37*	*1*

Lab Sample ID: LCS 500-431172/4
Matrix: Water
Analysis Batch: 431172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	45.5		ug/L		91	70 - 120
Bromobenzene	50.0	48.5		ug/L		97	70 - 122
Bromochloromethane	50.0	44.4		ug/L		89	65 - 122
Bromodichloromethane	50.0	44.0		ug/L		88	69 - 120
Bromoform	50.0	41.6		ug/L		83	56 - 132
Bromomethane	50.0	56.0		ug/L		112	40 - 130
Carbon tetrachloride	50.0	40.3		ug/L		81	65 - 122
Chlorobenzene	50.0	47.4		ug/L		95	70 - 120
Chloroethane	50.0	38.6		ug/L		77	45 - 127
Chloroform	50.0	42.8		ug/L		86	70 - 120
Chloromethane	50.0	45.1		ug/L		90	54 - 147
2-Chlorotoluene	50.0	53.3		ug/L		107	70 - 125
4-Chlorotoluene	50.0	52.9		ug/L		106	68 - 124
cis-1,2-Dichloroethene	50.0	47.4		ug/L		95	70 - 125
cis-1,3-Dichloropropene	50.0	45.6		ug/L		91	64 - 127
Dibromochloromethane	50.0	45.4		ug/L		91	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	48.3		ug/L		97	56 - 123
1,2-Dibromoethane	50.0	50.7		ug/L		101	70 - 125
Dibromomethane	50.0	44.3		ug/L		89	70 - 120
1,2-Dichlorobenzene	50.0	49.7		ug/L		99	70 - 125
1,3-Dichlorobenzene	50.0	48.4		ug/L		97	70 - 125
1,4-Dichlorobenzene	50.0	47.8		ug/L		96	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-431172/4
Matrix: Water
Analysis Batch: 431172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	50.0	53.4		ug/L		107	40 - 150
1,1-Dichloroethane	50.0	40.9		ug/L		82	70 - 125
1,2-Dichloroethane	50.0	40.0		ug/L		80	68 - 127
1,1-Dichloroethene	50.0	48.2		ug/L		96	67 - 122
Dichlorofluoromethane	50.0	41.9		ug/L		84	69 - 124
1,2-Dichloropropane	50.0	41.1		ug/L		82	67 - 130
1,3-Dichloropropane	50.0	49.2		ug/L		98	62 - 136
2,2-Dichloropropane	50.0	34.1		ug/L		68	58 - 129
1,1-Dichloropropene	50.0	45.0		ug/L		90	70 - 121
Ethylbenzene	50.0	49.9		ug/L		100	70 - 120
Hexachlorobutadiene	50.0	38.6		ug/L		77	51 - 150
Isopropylbenzene	50.0	53.4		ug/L		107	70 - 126
Methylene Chloride	50.0	48.0		ug/L		96	69 - 125
Methyl tert-butyl ether	50.0	40.1		ug/L		80	70 - 120
Naphthalene	50.0	50.2		ug/L		100	59 - 130
n-Butylbenzene	50.0	51.7		ug/L		103	68 - 125
N-Propylbenzene	50.0	54.5		ug/L		109	69 - 127
p-Isopropyltoluene	50.0	50.4		ug/L		101	70 - 125
sec-Butylbenzene	50.0	53.6		ug/L		107	70 - 123
Styrene	50.0	50.0		ug/L		100	70 - 120
tert-Butylbenzene	50.0	51.2		ug/L		102	70 - 121
1,1,1,2-Tetrachloroethane	50.0	43.8		ug/L		88	70 - 125
1,1,2,2-Tetrachloroethane	50.0	57.8		ug/L		116	67 - 127
Tetrachloroethene	50.0	42.8		ug/L		86	70 - 128
Tetrahydrofuran	100	104		ug/L		104	59 - 139
Toluene	50.0	49.9		ug/L		100	70 - 125
trans-1,2-Dichloroethene	50.0	47.4		ug/L		95	70 - 125
trans-1,3-Dichloropropene	50.0	44.3		ug/L		89	62 - 128
1,2,3-Trichlorobenzene	50.0	45.4		ug/L		91	55 - 140
1,2,4-Trichlorobenzene	50.0	42.3		ug/L		85	66 - 127
1,1,1-Trichloroethane	50.0	40.1		ug/L		80	70 - 125
1,1,2-Trichloroethane	50.0	50.7		ug/L		101	70 - 122
Trichloroethene	50.0	44.0		ug/L		88	70 - 125
Trichlorofluoromethane	50.0	40.4		ug/L		81	70 - 126
1,2,3-Trichloropropane	50.0	54.4		ug/L		109	50 - 133
1,2,4-Trimethylbenzene	50.0	53.3		ug/L		107	70 - 123
1,3,5-Trimethylbenzene	50.0	54.2		ug/L		108	70 - 123
Vinyl chloride	50.0	43.0		ug/L		86	64 - 126
Xylenes, Total	100	98.3		ug/L		98	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*
Dibromofluoromethane	*92*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*80*		*75 - 126*
Toluene-d8 (Surr)	*98*		*75 - 120*

Lab Chronicle

Client: SCS Engineers
Project/Site: Stoughton LF #25216022

TestAmerica Job ID: 500-144479-1

Client Sample ID: Trip Blank
Lab Sample ID: 500-144479-1
Date Collected: 04/26/18 00:00
Matrix: Water
Date Received: 04/27/18 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431172	05/08/18 23:07	PMF	TAL CHI

Client Sample ID: Field Blank
Lab Sample ID: 500-144479-2
Date Collected: 04/26/18 10:50
Matrix: Water
Date Received: 04/27/18 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431172	05/08/18 23:37	PMF	TAL CHI

Client Sample ID: MW3D
Lab Sample ID: 500-144479-3
Date Collected: 04/25/18 11:25
Matrix: Water
Date Received: 04/27/18 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431090	05/08/18 13:05	PMF	TAL CHI

Client Sample ID: MW4D
Lab Sample ID: 500-144479-4
Date Collected: 04/25/18 12:30
Matrix: Water
Date Received: 04/27/18 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431090	05/08/18 13:35	PMF	TAL CHI

Client Sample ID: MW5D
Lab Sample ID: 500-144479-5
Date Collected: 04/25/18 15:25
Matrix: Water
Date Received: 04/27/18 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431090	05/08/18 14:05	PMF	TAL CHI

Client Sample ID: MW10S
Lab Sample ID: 500-144479-6
Date Collected: 04/25/18 16:35
Matrix: Water
Date Received: 04/27/18 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431090	05/08/18 14:35	PMF	TAL CHI

Lab Chronicle

Client: SCS Engineers
Project/Site: Stoughton LF #25216022

TestAmerica Job ID: 500-144479-1

Client Sample ID: MW7I
Lab Sample ID: 500-144479-7
Date Collected: 04/25/18 15:15
Matrix: Water
Date Received: 04/27/18 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431090	05/08/18 15:06	PMF	TAL CHI

Client Sample ID: MW9S
Lab Sample ID: 500-144479-8
Date Collected: 04/25/18 16:20
Matrix: Water
Date Received: 04/27/18 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431090	05/08/18 15:36	PMF	TAL CHI

Client Sample ID: MW9B
Lab Sample ID: 500-144479-9
Date Collected: 04/25/18 16:30
Matrix: Water
Date Received: 04/27/18 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431090	05/08/18 16:06	PMF	TAL CHI

Client Sample ID: MW14S
Lab Sample ID: 500-144479-10
Date Collected: 04/26/18 10:00
Matrix: Water
Date Received: 04/27/18 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431172	05/09/18 00:07	PMF	TAL CHI

Client Sample ID: MW14I
Lab Sample ID: 500-144479-11
Date Collected: 04/26/18 10:20
Matrix: Water
Date Received: 04/27/18 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431172	05/09/18 00:37	PMF	TAL CHI

Client Sample ID: MW8I
Lab Sample ID: 500-144479-12
Date Collected: 04/26/18 11:20
Matrix: Water
Date Received: 04/27/18 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431172	05/09/18 01:07	PMF	TAL CHI

Lab Chronicle

Client: SCS Engineers
Project/Site: Stoughton LF #25216022

TestAmerica Job ID: 500-144479-1

Client Sample ID: MW8I DUP
Date Collected: 04/26/18 11:20
Date Received: 04/27/18 08:50

Lab Sample ID: 500-144479-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431172	05/09/18 01:37	PMF	TAL CHI

Client Sample ID: MW10I
Date Collected: 04/26/18 11:00
Date Received: 04/27/18 08:50

Lab Sample ID: 500-144479-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431172	05/09/18 02:07	PMF	TAL CHI

Client Sample ID: MW13I
Date Collected: 04/26/18 10:45
Date Received: 04/27/18 08:50

Lab Sample ID: 500-144479-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431172	05/09/18 02:37	PMF	TAL CHI

Client Sample ID: MW9I
Date Collected: 04/26/18 12:00
Date Received: 04/27/18 08:50

Lab Sample ID: 500-144479-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431172	05/09/18 03:07	PMF	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: Stoughton LF #25216022

TestAmerica Job ID: 500-144479-1

Laboratory: TestAmerica Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Wisconsin	State Program	5	999580010	08-31-18

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.

500-144479 COC

(optional)
Report To
Contact: Tony Kallasch
Company: SCS Engineers
Address: 2830 Dairy Dr.
Address: Madison, WI 53718
Phone: 608-216-7351
Fax:
E-Mail: TKallasch@scsengineers.com

(optional)
Bill To
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-144479
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3.6

Client: SCS
Client Project #: 25216022
Project Name: Stoughton City Landfill
Project Location/State: WI
Lab Project #:
Sampler: Nate Harms
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	1	1							Comments
							Parameter	VOC (8260B)	THF & DCDFM only							
1		Trip Blank	4/26/18	—	2	W										
2		Field Blank	4/26/18	1050	3			X								
3		MW3D	4/25/18	1125	3				X							
4		MW4D		1230	3				X							
5		MW5D		1325	3				X							
6		MW10S		1635	3			X								
7		MW7I		1515	3			[redacted]	X							
8		MW9S		1620	3			X								
9		MW9B	4/25/18	1630	3			X								
10		MW14S	4/26/18	1000	3	W		X								

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days X 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date: _____

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Nate Harms	SCS	4/26/18	1402	Shimi Scott	TA-CHI	4/27/18	0850

Lab Courier:
Shipped: Fed-X
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TAL-4124-500 (1209)

5/11/2018

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-144479

Chain of Custody Number:

Page 2 of 2

Temperature °C of Cooler:

(optional) Report To		(optional) Bill To	
Contact:	Tony Kollasch	Contact:	
Company:	SCS Engineers	Company:	
Address:	2830 Dairy Dr	Address:	
Address:	Madison, WI 53718	Address:	
Phone:	608-216-7381	Phone:	
Fax:		Fax:	
E-Mail:	TKollasch@SCSengineers.com	PO#/Reference#	

Client	Client Project #	Preservative	1	1								
SCS	25216022											
Project Name		Parameter	VOC (8260B)	THF & DCDFM only								
Stoughton City Landfill												
Project Location/State	Lab Project #											
WI												
Sampler	Lab PM											
NICOLE KRON / Nate Harms												

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix								Comments
11		MW14I	4/26/18	1020	3	GW	X							
12		MW8I		1120		GW		X						
13		MW8I DUP				GW	X	X						
14		MW10I		1100		W	X							
15		MW13I		1045				X						
16		MW9I	4/26/18	1200	3	W	X							

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days X 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Nate Harms	SCS	4/26/18	1400	[illegible]	TA-ORT	4/27/18	0850
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
Shipped Fed-X
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 500-144479-1

Login Number: 144479
List Number: 1
Creator: Scott, Sherri L

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ATTACHMENT B

Exceedance Report

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Environmental Monitoring Data Certification

Form 4400-231 (R 5/17)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats.
When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats

Instructions:

- **Prepare one form for each license or monitoring ID.**
- **Please type or print legibly.**
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact - WA/5, Wisconsin Department of Natural Resources, P.O. Box 7921, Madison, WI 53707-7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner)
TestAmerica Laboratories Inc.

Contact for questions about data formatting. Include data preparer's name, telephone number and Email address:

Name	Phone No. (include area code)
Sandra Fredrick	(920) 261-1660

Email
Sandie.Fredrick@testamericainc.com

Facility Name
Stoughton City Landfill - 25216022

License # / Monitoring ID	Facility ID (FID)
133	113005950

Actual sampling dates (e.g., July 2-6, 2003)	The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)
April 25-26, 2018	April 2018

Type of Data Submitted (Check all that apply):

- [X] Groundwater monitoring data from monitoring wells
- [ ] Groundwater monitoring data from private water supply wells
- [ ] Leachate monitoring data
- [ ] Gas monitoring data
- [ ] Air monitoring data
- [ ] Other (specify):

Notification attached?

- [ ] No. No groundwater standards or explosive gas limits were exceeded.
- [X] Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration.
- [ ] Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards.

Facility Representative Name (Print)	Title	Phone No. (include area code)
Paula Buckley	PMA Supervisor	(708) 534-5200

Paula Buckley — Signature

5-10-18 — Date Signed (mm/dd/yyyy)

For DNR Use Only

Check action taken, and record date and your initials. Describe on back side if necessary.

- [ ] Found uploading problems on _____ Initials
- [ ] Notified contact of problems on _____ Uploaded data successfully on _____

EDD format(s): [ ] Diskette [ ] CD (initial submittal and follow-up) [ ] E-mail (follow-up only) [ ] Other: _____

NR 140 PAL-ES Exceedance Report

Stoughton LF #25216022

Apr-18

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-144479-1	999	Trip Blank	04/26/2018	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	34506	1,1,1-Trichloroethane		40	200	0.38	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	34511	1,1,2-Trichloroethane		0.5	5	0.35	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	34496	1,1-Dichloroethane		85	850	0.41	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	34501	1,1-Dichloroethene		0.7	7	0.39	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	77168	1,1-Dichloropropene				0.3	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	77613	1,2,3-Trichlorobenzene				0.46	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	77443	1,2,3-Trichloropropane		12	60	0.41	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	34551	1,2,4-Trichlorobenzene		14	70	0.34	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	77222	1,2,4-Trimethylbenzene		96	480	0.36	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	77651	1,2-Dibromoethane		0.005	0.05	0.39	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	34536	1,2-Dichlorobenzene		60	600	0.33	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	32103	1,2-Dichloroethane		0.5	5	0.39	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	34541	1,2-Dichloropropane		0.5	5	0.43	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	77226	1,3,5-Trimethylbenzene		96	480	0.25	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	34566	1,3-Dichlorobenzene		120	600	0.4	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	77173	1,3-Dichloropropane				0.36	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	34571	1,4-Dichlorobenzene		15	75	0.36	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	77170	2,2-Dichloropropane				0.44	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	77275	2-Chlorotoluene				0.31	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	77277	4-Chlorotoluene				0.35	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	34030	Benzene		0.5	5	0.15	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	81555	Bromobenzene				0.36	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	77297	Bromochloromethane				0.43	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	32101	Bromodichloromethane		0.06	0.6	0.37	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	32104	Bromoform		0.44	4.4	0.48	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	34413	Bromomethane		1	10	0.8	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	32102	Carbon tetrachloride		0.5	5	0.38	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	34301	Chlorobenzene		20	100	0.39	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	34311	Chloroethane		80	400	0.51	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	32106	Chloroform		0.6	6	0.37	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	34418	Chloromethane		3	30	0.32	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	77093	cis-1,2-Dichloroethene		7	70	0.41	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	32105	Dibromochloromethane		6	60	0.49	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	77596	Dibromomethane				0.27	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	34668	Dichlorodifluoromethane		200	1000	0.67	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	77119	Dichlorofluoromethane				0.38	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	78113	Ethylbenzene		140	700	0.18	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	34391	Hexachlorobutadiene				0.45	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	81577	Isopropyl ether				0.28	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	77223	Isopropylbenzene				0.39	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	78032	Methyl tert-butyl ether		12	60	0.39	UG/L		
500-144479-1	999	**Trip Blank**	04/26/2018	34423	**Methylene Chloride**	**2.8**	0.5	5	1.6	UG/L	**PAL Exceeded**	
500-144479-1	999	Trip Blank	04/26/2018	34696	Naphthalene		10	100	0.34	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	77342	n-Butylbenzene				0.39	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	77224	N-Propylbenzene				0.41	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	77356	p-Isopropyltoluene				0.36	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	77350	sec-Butylbenzene				0.4	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	77128	Styrene		10	100	0.39	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	77353	tert-Butylbenzene				0.4	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	34475	Tetrachloroethene		0.5	5	0.37	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	34010	Toluene		160	800	0.15	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	34546	trans-1,2-Dichloroethene		20	100	0.35	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	39180	Trichloroethene		0.5	5	0.16	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	34488	Trichlorofluoromethane		698	3490	0.43	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	39175	Vinyl chloride		0.02	0.2	0.2	UG/L		
500-144479-1	999	Trip Blank	04/26/2018	81551	Xylenes, Total		400	2000	0.22	UG/L		
500-144479-10	133	MW14S	04/26/2018	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	UG/L		
500-144479-10	133	MW14S	04/26/2018	34506	1,1,1-Trichloroethane		40	200	0.38	UG/L		
500-144479-10	133	MW14S	04/26/2018	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	UG/L		
500-144479-10	133	MW14S	04/26/2018	34511	1,1,2-Trichloroethane		0.5	5	0.35	UG/L		
500-144479-10	133	MW14S	04/26/2018	34496	1,1-Dichloroethane		85	850	0.41	UG/L		
500-144479-10	133	MW14S	04/26/2018	34501	1,1-Dichloroethene		0.7	7	0.39	UG/L		
500-144479-10	133	MW14S	04/26/2018	77168	1,1-Dichloropropene				0.3	UG/L		
500-144479-10	133	MW14S	04/26/2018	77613	1,2,3-Trichlorobenzene				0.46	UG/L		

NR 140 PAL-ES Exceedance Report

Stoughton LF #25216022

Apr-18

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-144479-10	133	MW14S	04/26/2018	77443	1,2,3-Trichloropropane		12	60	0.41	UG/L		
500-144479-10	133	MW14S	04/26/2018	34551	1,2,4-Trichlorobenzene		14	70	0.34	UG/L		
500-144479-10	133	MW14S	04/26/2018	77222	1,2,4-Trimethylbenzene		96	480	0.36	UG/L		
500-144479-10	133	MW14S	04/26/2018	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	UG/L		
500-144479-10	133	MW14S	04/26/2018	77651	1,2-Dibromoethane		0.005	0.05	0.39	UG/L		
500-144479-10	133	MW14S	04/26/2018	34536	1,2-Dichlorobenzene		60	600	0.33	UG/L		
500-144479-10	133	MW14S	04/26/2018	32103	1,2-Dichloroethane		0.5	5	0.39	UG/L		
500-144479-10	133	MW14S	04/26/2018	34541	1,2-Dichloropropane		0.5	5	0.43	UG/L		
500-144479-10	133	MW14S	04/26/2018	77226	1,3,5-Trimethylbenzene		96	480	0.25	UG/L		
500-144479-10	133	MW14S	04/26/2018	34566	1,3-Dichlorobenzene		120	600	0.4	UG/L		
500-144479-10	133	MW14S	04/26/2018	77173	1,3-Dichloropropane				0.36	UG/L		
500-144479-10	133	MW14S	04/26/2018	34571	1,4-Dichlorobenzene		15	75	0.36	UG/L		
500-144479-10	133	MW14S	04/26/2018	77170	2,2-Dichloropropane				0.44	UG/L		
500-144479-10	133	MW14S	04/26/2018	77275	2-Chlorotoluene				0.31	UG/L		
500-144479-10	133	MW14S	04/26/2018	77277	4-Chlorotoluene				0.35	UG/L		
500-144479-10	133	MW14S	04/26/2018	34030	Benzene		0.5	5	0.15	UG/L		
500-144479-10	133	MW14S	04/26/2018	81555	Bromobenzene				0.36	UG/L		
500-144479-10	133	MW14S	04/26/2018	77297	Bromochloromethane				0.43	UG/L		
500-144479-10	133	MW14S	04/26/2018	32101	Bromodichloromethane		0.06	0.6	0.37	UG/L		
500-144479-10	133	MW14S	04/26/2018	32104	Bromoform		0.44	4.4	0.48	UG/L		
500-144479-10	133	MW14S	04/26/2018	34413	Bromomethane		1	10	0.8	UG/L		
500-144479-10	133	MW14S	04/26/2018	32102	Carbon tetrachloride		0.5	5	0.38	UG/L		
500-144479-10	133	MW14S	04/26/2018	34301	Chlorobenzene		20	100	0.39	UG/L		
500-144479-10	133	MW14S	04/26/2018	34311	Chloroethane		80	400	0.51	UG/L		
500-144479-10	133	MW14S	04/26/2018	32106	Chloroform		0.6	6	0.37	UG/L		
500-144479-10	133	MW14S	04/26/2018	34418	Chloromethane		3	30	0.32	UG/L		
500-144479-10	133	MW14S	04/26/2018	77093	cis-1,2-Dichloroethene		7	70	0.41	UG/L		
500-144479-10	133	MW14S	04/26/2018	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	UG/L		
500-144479-10	133	MW14S	04/26/2018	32105	Dibromochloromethane		6	60	0.49	UG/L		
500-144479-10	133	MW14S	04/26/2018	77596	Dibromomethane				0.27	UG/L		
500-144479-10	133	MW14S	04/26/2018	34668	Dichlorodifluoromethane	2.4	200	1000	0.67	UG/L		
500-144479-10	133	MW14S	04/26/2018	77119	Dichlorofluoromethane	3.6			0.38	UG/L		
500-144479-10	133	MW14S	04/26/2018	78113	Ethylbenzene		140	700	0.18	UG/L		
500-144479-10	133	MW14S	04/26/2018	34391	Hexachlorobutadiene				0.45	UG/L		
500-144479-10	133	MW14S	04/26/2018	81577	Isopropyl ether				0.28	UG/L		
500-144479-10	133	MW14S	04/26/2018	77223	Isopropylbenzene				0.39	UG/L		
500-144479-10	133	MW14S	04/26/2018	78032	Methyl tert-butyl ether		12	60	0.39	UG/L		
500-144479-10	133	**MW14S**	04/26/2018	34423	**Methylene Chloride**	**2.7**	0.5	5	1.6	UG/L	**PAL Exceeded**	
500-144479-10	133	MW14S	04/26/2018	34696	Naphthalene		10	100	0.34	UG/L		
500-144479-10	133	MW14S	04/26/2018	77342	n-Butylbenzene				0.39	UG/L		
500-144479-10	133	MW14S	04/26/2018	77224	N-Propylbenzene				0.41	UG/L		
500-144479-10	133	MW14S	04/26/2018	77356	p-Isopropyltoluene				0.36	UG/L		
500-144479-10	133	MW14S	04/26/2018	77350	sec-Butylbenzene				0.4	UG/L		
500-144479-10	133	MW14S	04/26/2018	77128	Styrene		10	100	0.39	UG/L		
500-144479-10	133	MW14S	04/26/2018	77353	tert-Butylbenzene				0.4	UG/L		
500-144479-10	133	**MW14S**	04/26/2018	34475	**Tetrachloroethene**	**0.89**	0.5	5	0.37	UG/L	**PAL Exceeded**	
500-144479-10	133	MW14S	04/26/2018	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-144479-10	133	MW14S	04/26/2018	34010	Toluene		160	800	0.15	UG/L		
500-144479-10	133	MW14S	04/26/2018	34546	trans-1,2-Dichloroethene		20	100	0.35	UG/L		
500-144479-10	133	MW14S	04/26/2018	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	UG/L		
500-144479-10	133	MW14S	04/26/2018	39180	Trichloroethene		0.5	5	0.16	UG/L		
500-144479-10	133	MW14S	04/26/2018	34488	Trichlorofluoromethane		698	3490	0.43	UG/L		
500-144479-10	133	MW14S	04/26/2018	39175	Vinyl chloride		0.02	0.2	0.2	UG/L		
500-144479-10	133	MW14S	04/26/2018	81551	Xylenes, Total		400	2000	0.22	UG/L		
500-144479-11	134	MW14I	04/26/2018	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	UG/L		
500-144479-11	134	MW14I	04/26/2018	34506	1,1,1-Trichloroethane		40	200	0.38	UG/L		
500-144479-11	134	MW14I	04/26/2018	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	UG/L		
500-144479-11	134	MW14I	04/26/2018	34511	1,1,2-Trichloroethane		0.5	5	0.35	UG/L		
500-144479-11	134	MW14I	04/26/2018	34496	1,1-Dichloroethane		85	850	0.41	UG/L		
500-144479-11	134	MW14I	04/26/2018	34501	1,1-Dichloroethene		0.7	7	0.39	UG/L		
500-144479-11	134	MW14I	04/26/2018	77168	1,1-Dichloropropene				0.3	UG/L		
500-144479-11	134	MW14I	04/26/2018	77613	1,2,3-Trichlorobenzene				0.46	UG/L		
500-144479-11	134	MW14I	04/26/2018	77443	1,2,3-Trichloropropane		12	60	0.41	UG/L		
500-144479-11	134	MW14I	04/26/2018	34551	1,2,4-Trichlorobenzene		14	70	0.34	UG/L		
500-144479-11	134	MW14I	04/26/2018	77222	1,2,4-Trimethylbenzene		96	480	0.36	UG/L		
500-144479-11	134	MW14I	04/26/2018	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	UG/L		
500-144479-11	134	MW14I	04/26/2018	77651	1,2-Dibromoethane		0.005	0.05	0.39	UG/L		
500-144479-11	134	MW14I	04/26/2018	34536	1,2-Dichlorobenzene		60	600	0.33	UG/L		
500-144479-11	134	MW14I	04/26/2018	32103	1,2-Dichloroethane		0.5	5	0.39	UG/L		
500-144479-11	134	MW14I	04/26/2018	34541	1,2-Dichloropropane		0.5	5	0.43	UG/L		

NR 140 PAL-ES Exceedance Report

Stoughton LF #25216022

Apr-18

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-144479-11	134	MW14I	04/26/2018	77226	1,3,5-Trimethylbenzene		96	480	0.25	UG/L		
500-144479-11	134	MW14I	04/26/2018	34566	1,3-Dichlorobenzene		120	600	0.4	UG/L		
500-144479-11	134	MW14I	04/26/2018	77173	1,3-Dichloropropane				0.36	UG/L		
500-144479-11	134	MW14I	04/26/2018	34571	1,4-Dichlorobenzene		15	75	0.36	UG/L		
500-144479-11	134	MW14I	04/26/2018	77170	2,2-Dichloropropane				0.44	UG/L		
500-144479-11	134	MW14I	04/26/2018	77275	2-Chlorotoluene				0.31	UG/L		
500-144479-11	134	MW14I	04/26/2018	77277	4-Chlorotoluene				0.35	UG/L		
500-144479-11	134	MW14I	04/26/2018	34030	Benzene		0.5	5	0.15	UG/L		
500-144479-11	134	MW14I	04/26/2018	81555	Bromobenzene				0.36	UG/L		
500-144479-11	134	MW14I	04/26/2018	77297	Bromochloromethane				0.43	UG/L		
500-144479-11	134	MW14I	04/26/2018	32101	Bromodichloromethane		0.06	0.6	0.37	UG/L		
500-144479-11	134	MW14I	04/26/2018	32104	Bromoform		0.44	4.4	0.48	UG/L		
500-144479-11	134	MW14I	04/26/2018	34413	Bromomethane		1	10	0.8	UG/L		
500-144479-11	134	MW14I	04/26/2018	32102	Carbon tetrachloride		0.5	5	0.38	UG/L		
500-144479-11	134	MW14I	04/26/2018	34301	Chlorobenzene		20	100	0.39	UG/L		
500-144479-11	134	MW14I	04/26/2018	34311	Chloroethane		80	400	0.51	UG/L		
500-144479-11	134	MW14I	04/26/2018	32106	Chloroform		0.6	6	0.37	UG/L		
500-144479-11	134	MW14I	04/26/2018	34418	Chloromethane		3	30	0.32	UG/L		
500-144479-11	134	MW14I	04/26/2018	77093	cis-1,2-Dichloroethene		7	70	0.41	UG/L		
500-144479-11	134	MW14I	04/26/2018	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	UG/L		
500-144479-11	134	MW14I	04/26/2018	32105	Dibromochloromethane		6	60	0.49	UG/L		
500-144479-11	134	MW14I	04/26/2018	77596	Dibromomethane				0.27	UG/L		
500-144479-11	134	MW14I	04/26/2018	34668	Dichlorodifluoromethane	2.1	200	1000	0.67	UG/L		
500-144479-11	134	MW14I	04/26/2018	77119	Dichlorofluoromethane	9.5			0.38	UG/L		
500-144479-11	134	MW14I	04/26/2018	78113	Ethylbenzene		140	700	0.18	UG/L		
500-144479-11	134	MW14I	04/26/2018	34391	Hexachlorobutadiene				0.45	UG/L		
500-144479-11	134	MW14I	04/26/2018	81577	Isopropyl ether				0.28	UG/L		
500-144479-11	134	MW14I	04/26/2018	77223	Isopropylbenzene				0.39	UG/L		
500-144479-11	134	MW14I	04/26/2018	78032	Methyl tert-butyl ether		12	60	0.39	UG/L		
500-144479-11	134	MW14I	04/26/2018	34423	Methylene Chloride		0.5	5	1.6	UG/L		
500-144479-11	134	MW14I	04/26/2018	34696	Naphthalene		10	100	0.34	UG/L		
500-144479-11	134	MW14I	04/26/2018	77342	n-Butylbenzene				0.39	UG/L		
500-144479-11	134	MW14I	04/26/2018	77224	N-Propylbenzene				0.41	UG/L		
500-144479-11	134	MW14I	04/26/2018	77356	p-Isopropyltoluene				0.36	UG/L		
500-144479-11	134	MW14I	04/26/2018	77350	sec-Butylbenzene				0.4	UG/L		
500-144479-11	134	MW14I	04/26/2018	77128	Styrene		10	100	0.39	UG/L		
500-144479-11	134	MW14I	04/26/2018	77353	tert-Butylbenzene				0.4	UG/L		
500-144479-11	134	MW14I	04/26/2018	34475	Tetrachloroethene		0.5	5	0.37	UG/L		
500-144479-11	134	MW14I	04/26/2018	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-144479-11	134	MW14I	04/26/2018	34010	Toluene		160	800	0.15	UG/L		
500-144479-11	134	MW14I	04/26/2018	34546	trans-1,2-Dichloroethene		20	100	0.35	UG/L		
500-144479-11	134	MW14I	04/26/2018	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	UG/L		
500-144479-11	134	MW14I	04/26/2018	39180	Trichloroethene		0.5	5	0.16	UG/L		
500-144479-11	134	MW14I	04/26/2018	34488	Trichlorofluoromethane		698	3490	0.43	UG/L		
500-144479-11	134	MW14I	04/26/2018	39175	Vinyl chloride		0.02	0.2	0.2	UG/L		
500-144479-11	134	MW14I	04/26/2018	81551	Xylenes, Total		400	2000	0.22	UG/L		
500-144479-12	122	MW8I	04/26/2018	34668	Dichlorodifluoromethane		200	1000	0.67	UG/L		
500-144479-12	122	MW8I	04/26/2018	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34506	1,1,1-Trichloroethane		40	200	0.38	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34511	1,1,2-Trichloroethane		0.5	5	0.35	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34496	1,1-Dichloroethane		85	850	0.41	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34501	1,1-Dichloroethene		0.7	7	0.39	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	77168	1,1-Dichloropropene				0.3	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	77613	1,2,3-Trichlorobenzene				0.46	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	77443	1,2,3-Trichloropropane		12	60	0.41	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34551	1,2,4-Trichlorobenzene		14	70	0.34	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	77222	1,2,4-Trimethylbenzene		96	480	0.36	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	77651	1,2-Dibromoethane		0.005	0.05	0.39	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34536	1,2-Dichlorobenzene		60	600	0.33	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	32103	1,2-Dichloroethane		0.5	5	0.39	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34541	1,2-Dichloropropane		0.5	5	0.43	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	77226	1,3,5-Trimethylbenzene		96	480	0.25	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34566	1,3-Dichlorobenzene		120	600	0.4	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	77173	1,3-Dichloropropane				0.36	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34571	1,4-Dichlorobenzene		15	75	0.36	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	77170	2,2-Dichloropropane				0.44	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	77275	2-Chlorotoluene				0.31	UG/L		

NR 140 PAL-ES Exceedance Report

Stoughton LF #25216022

Apr-18

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-144479-13	122	MW8I DUP	04/26/2018	77277	4-Chlorotoluene				0.35	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34030	Benzene		0.5	5	0.15	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	81555	Bromobenzene				0.36	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	77297	Bromochloromethane				0.43	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	32101	Bromodichloromethane		0.06	0.6	0.37	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	32104	Bromoform		0.44	4.4	0.48	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34413	Bromomethane		1	10	0.8	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	32102	Carbon tetrachloride		0.5	5	0.38	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34301	Chlorobenzene		20	100	0.39	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34311	Chloroethane		80	400	0.51	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	32106	Chloroform		0.6	6	0.37	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34418	Chloromethane		3	30	0.32	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	77093	cis-1,2-Dichloroethene		7	70	0.41	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	32105	Dibromochloromethane		6	60	0.49	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	77596	Dibromomethane				0.27	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34668	Dichlorodifluoromethane		200	1000	0.67	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	77119	Dichlorofluoromethane				0.38	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	78113	Ethylbenzene		140	700	0.18	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34391	Hexachlorobutadiene				0.45	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	81577	Isopropyl ether				0.28	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	77223	Isopropylbenzene				0.39	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	78032	Methyl tert-butyl ether		12	60	0.39	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34423	Methylene Chloride		0.5	5	1.6	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34696	Naphthalene		10	100	0.34	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	77342	n-Butylbenzene				0.39	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	77224	N-Propylbenzene				0.41	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	77356	p-Isopropyltoluene				0.36	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	77350	sec-Butylbenzene				0.4	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	77128	Styrene		10	100	0.39	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	77353	tert-Butylbenzene				0.4	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34475	Tetrachloroethene		0.5	5	0.37	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34010	Toluene		160	800	0.15	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34546	trans-1,2-Dichloroethene		20	100	0.35	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	39180	Trichloroethene		0.5	5	0.16	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	34488	Trichlorofluoromethane		698	3490	0.43	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	39175	Vinyl chloride		0.02	0.2	0.2	UG/L		
500-144479-13	122	MW8I DUP	04/26/2018	81551	Xylenes, Total		400	2000	0.22	UG/L		
500-144479-14	128	MW10I	04/26/2018	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	UG/L		
500-144479-14	128	MW10I	04/26/2018	34506	1,1,1-Trichloroethane		40	200	0.38	UG/L		
500-144479-14	128	MW10I	04/26/2018	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	UG/L		
500-144479-14	128	MW10I	04/26/2018	34511	1,1,2-Trichloroethane		0.5	5	0.35	UG/L		
500-144479-14	128	MW10I	04/26/2018	34496	1,1-Dichloroethane		85	850	0.41	UG/L		
500-144479-14	128	MW10I	04/26/2018	34501	1,1-Dichloroethene		0.7	7	0.39	UG/L		
500-144479-14	128	MW10I	04/26/2018	77168	1,1-Dichloropropene				0.3	UG/L		
500-144479-14	128	MW10I	04/26/2018	77613	1,2,3-Trichlorobenzene				0.46	UG/L		
500-144479-14	128	MW10I	04/26/2018	77443	1,2,3-Trichloropropane		12	60	0.41	UG/L		
500-144479-14	128	MW10I	04/26/2018	34551	1,2,4-Trichlorobenzene		14	70	0.34	UG/L		
500-144479-14	128	MW10I	04/26/2018	77222	1,2,4-Trimethylbenzene		96	480	0.36	UG/L		
500-144479-14	128	MW10I	04/26/2018	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	UG/L		
500-144479-14	128	MW10I	04/26/2018	77651	1,2-Dibromoethane		0.005	0.05	0.39	UG/L		
500-144479-14	128	MW10I	04/26/2018	34536	1,2-Dichlorobenzene		60	600	0.33	UG/L		
500-144479-14	128	MW10I	04/26/2018	32103	1,2-Dichloroethane		0.5	5	0.39	UG/L		
500-144479-14	128	MW10I	04/26/2018	34541	1,2-Dichloropropane		0.5	5	0.43	UG/L		
500-144479-14	128	MW10I	04/26/2018	77226	1,3,5-Trimethylbenzene		96	480	0.25	UG/L		
500-144479-14	128	MW10I	04/26/2018	34566	1,3-Dichlorobenzene		120	600	0.4	UG/L		
500-144479-14	128	MW10I	04/26/2018	77173	1,3-Dichloropropane				0.36	UG/L		
500-144479-14	128	MW10I	04/26/2018	34571	1,4-Dichlorobenzene		15	75	0.36	UG/L		
500-144479-14	128	MW10I	04/26/2018	77170	2,2-Dichloropropane				0.44	UG/L		
500-144479-14	128	MW10I	04/26/2018	77275	2-Chlorotoluene				0.31	UG/L		
500-144479-14	128	MW10I	04/26/2018	77277	4-Chlorotoluene				0.35	UG/L		
500-144479-14	128	MW10I	04/26/2018	34030	Benzene		0.5	5	0.15	UG/L		
500-144479-14	128	MW10I	04/26/2018	81555	Bromobenzene				0.36	UG/L		
500-144479-14	128	MW10I	04/26/2018	77297	Bromochloromethane				0.43	UG/L		
500-144479-14	128	MW10I	04/26/2018	32101	Bromodichloromethane		0.06	0.6	0.37	UG/L		
500-144479-14	128	MW10I	04/26/2018	32104	Bromoform		0.44	4.4	0.48	UG/L		
500-144479-14	128	MW10I	04/26/2018	34413	Bromomethane		1	10	0.8	UG/L		
500-144479-14	128	MW10I	04/26/2018	32102	Carbon tetrachloride		0.5	5	0.38	UG/L		

NR 140 PAL-ES Exceedance Report

Stoughton LF #25216022

Apr-18

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-144479-14	128	MW10I	04/26/2018	34301	Chlorobenzene		20	100	0.39	UG/L		
500-144479-14	128	MW10I	04/26/2018	34311	Chloroethane		80	400	0.51	UG/L		
500-144479-14	128	MW10I	04/26/2018	32106	Chloroform		0.6	6	0.37	UG/L		
500-144479-14	128	MW10I	04/26/2018	34418	Chloromethane		3	30	0.32	UG/L		
500-144479-14	128	MW10I	04/26/2018	77093	cis-1,2-Dichloroethene		7	70	0.41	UG/L		
500-144479-14	128	MW10I	04/26/2018	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	UG/L		
500-144479-14	128	MW10I	04/26/2018	32105	Dibromochloromethane		6	60	0.49	UG/L		
500-144479-14	128	MW10I	04/26/2018	77596	Dibromomethane				0.27	UG/L		
500-144479-14	128	MW10I	04/26/2018	34668	Dichlorodifluoromethane	8	200	1000	0.67	UG/L		
500-144479-14	128	MW10I	04/26/2018	77119	Dichlorofluoromethane	5			0.38	UG/L		
500-144479-14	128	MW10I	04/26/2018	78113	Ethylbenzene		140	700	0.18	UG/L		
500-144479-14	128	MW10I	04/26/2018	34391	Hexachlorobutadiene				0.45	UG/L		
500-144479-14	128	MW10I	04/26/2018	81577	Isopropyl ether				0.28	UG/L		
500-144479-14	128	MW10I	04/26/2018	77223	Isopropylbenzene				0.39	UG/L		
500-144479-14	128	MW10I	04/26/2018	78032	Methyl tert-butyl ether		12	60	0.39	UG/L		
500-144479-14	128	MW10I	04/26/2018	34423	Methylene Chloride		0.5	5	1.6	UG/L		
500-144479-14	128	MW10I	04/26/2018	34696	Naphthalene		10	100	0.34	UG/L		
500-144479-14	128	MW10I	04/26/2018	77342	n-Butylbenzene				0.39	UG/L		
500-144479-14	128	MW10I	04/26/2018	77224	N-Propylbenzene				0.41	UG/L		
500-144479-14	128	MW10I	04/26/2018	77356	p-Isopropyltoluene				0.36	UG/L		
500-144479-14	128	MW10I	04/26/2018	77350	sec-Butylbenzene				0.4	UG/L		
500-144479-14	128	MW10I	04/26/2018	77128	Styrene		10	100	0.39	UG/L		
500-144479-14	128	MW10I	04/26/2018	77353	tert-Butylbenzene				0.4	UG/L		
500-144479-14	128	**MW10I**	04/26/2018	34475	**Tetrachloroethene**	**1.9**	0.5	5	0.37	UG/L	**PAL Exceeded**	
500-144479-14	128	MW10I	04/26/2018	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-144479-14	128	MW10I	04/26/2018	34010	Toluene		160	800	0.15	UG/L		
500-144479-14	128	MW10I	04/26/2018	34546	trans-1,2-Dichloroethene		20	100	0.35	UG/L		
500-144479-14	128	MW10I	04/26/2018	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	UG/L		
500-144479-14	128	MW10I	04/26/2018	39180	Trichloroethene		0.5	5	0.16	UG/L		
500-144479-14	128	MW10I	04/26/2018	34488	Trichlorofluoromethane		698	3490	0.43	UG/L		
500-144479-14	128	MW10I	04/26/2018	39175	Vinyl chloride		0.02	0.2	0.2	UG/L		
500-144479-14	128	MW10I	04/26/2018	81551	Xylenes, Total		400	2000	0.22	UG/L		
500-144479-15	131	MW13I	04/26/2018	34668	Dichlorodifluoromethane		200	1000	0.67	UG/L		
500-144479-15	131	MW13I	04/26/2018	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-144479-16	125	MW9I	04/26/2018	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	UG/L		
500-144479-16	125	MW9I	04/26/2018	34506	1,1,1-Trichloroethane		40	200	0.38	UG/L		
500-144479-16	125	MW9I	04/26/2018	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	UG/L		
500-144479-16	125	MW9I	04/26/2018	34511	1,1,2-Trichloroethane		0.5	5	0.35	UG/L		
500-144479-16	125	MW9I	04/26/2018	34496	1,1-Dichloroethane		85	850	0.41	UG/L		
500-144479-16	125	MW9I	04/26/2018	34501	1,1-Dichloroethene		0.7	7	0.39	UG/L		
500-144479-16	125	MW9I	04/26/2018	77168	1,1-Dichloropropene				0.3	UG/L		
500-144479-16	125	MW9I	04/26/2018	77613	1,2,3-Trichlorobenzene				0.46	UG/L		
500-144479-16	125	MW9I	04/26/2018	77443	1,2,3-Trichloropropane		12	60	0.41	UG/L		
500-144479-16	125	MW9I	04/26/2018	34551	1,2,4-Trichlorobenzene		14	70	0.34	UG/L		
500-144479-16	125	MW9I	04/26/2018	77222	1,2,4-Trimethylbenzene		96	480	0.36	UG/L		
500-144479-16	125	MW9I	04/26/2018	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	UG/L		
500-144479-16	125	MW9I	04/26/2018	77651	1,2-Dibromoethane		0.005	0.05	0.39	UG/L		
500-144479-16	125	MW9I	04/26/2018	34536	1,2-Dichlorobenzene		60	600	0.33	UG/L		
500-144479-16	125	MW9I	04/26/2018	32103	1,2-Dichloroethane		0.5	5	0.39	UG/L		
500-144479-16	125	MW9I	04/26/2018	34541	1,2-Dichloropropane		0.5	5	0.43	UG/L		
500-144479-16	125	MW9I	04/26/2018	77226	1,3,5-Trimethylbenzene		96	480	0.25	UG/L		
500-144479-16	125	MW9I	04/26/2018	34566	1,3-Dichlorobenzene		120	600	0.4	UG/L		
500-144479-16	125	MW9I	04/26/2018	77173	1,3-Dichloropropane				0.36	UG/L		
500-144479-16	125	MW9I	04/26/2018	34571	1,4-Dichlorobenzene		15	75	0.36	UG/L		
500-144479-16	125	MW9I	04/26/2018	77170	2,2-Dichloropropane				0.44	UG/L		
500-144479-16	125	MW9I	04/26/2018	77275	2-Chlorotoluene				0.31	UG/L		
500-144479-16	125	MW9I	04/26/2018	77277	4-Chlorotoluene				0.35	UG/L		
500-144479-16	125	MW9I	04/26/2018	34030	Benzene		0.5	5	0.15	UG/L		
500-144479-16	125	MW9I	04/26/2018	81555	Bromobenzene				0.36	UG/L		
500-144479-16	125	MW9I	04/26/2018	77297	Bromochloromethane				0.43	UG/L		
500-144479-16	125	MW9I	04/26/2018	32101	Bromodichloromethane		0.06	0.6	0.37	UG/L		
500-144479-16	125	MW9I	04/26/2018	32104	Bromoform		0.44	4.4	0.48	UG/L		
500-144479-16	125	MW9I	04/26/2018	34413	Bromomethane		1	10	0.8	UG/L		
500-144479-16	125	MW9I	04/26/2018	32102	Carbon tetrachloride		0.5	5	0.38	UG/L		
500-144479-16	125	MW9I	04/26/2018	34301	Chlorobenzene		20	100	0.39	UG/L		
500-144479-16	125	MW9I	04/26/2018	34311	Chloroethane		80	400	0.51	UG/L		
500-144479-16	125	MW9I	04/26/2018	32106	Chloroform		0.6	6	0.37	UG/L		
500-144479-16	125	MW9I	04/26/2018	34418	Chloromethane		3	30	0.32	UG/L		
500-144479-16	125	MW9I	04/26/2018	77093	cis-1,2-Dichloroethene		7	70	0.41	UG/L		
500-144479-16	125	MW9I	04/26/2018	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	UG/L		

NR 140 PAL-ES Exceedance Report

Stoughton LF #25216022

Apr-18

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-144479-16	125	MW9I	04/26/2018	32105	Dibromochloromethane		6	60	0.49	UG/L		
500-144479-16	125	MW9I	04/26/2018	77596	Dibromomethane				0.27	UG/L		
500-144479-16	125	MW9I	04/26/2018	34668	Dichlorodifluoromethane	22	200	1000	0.67	UG/L		
500-144479-16	125	MW9I	04/26/2018	77119	Dichlorofluoromethane	13			0.38	UG/L		
500-144479-16	125	MW9I	04/26/2018	78113	Ethylbenzene		140	700	0.18	UG/L		
500-144479-16	125	MW9I	04/26/2018	34391	Hexachlorobutadiene				0.45	UG/L		
500-144479-16	125	MW9I	04/26/2018	81577	Isopropyl ether				0.28	UG/L		
500-144479-16	125	MW9I	04/26/2018	77223	Isopropylbenzene				0.39	UG/L		
500-144479-16	125	MW9I	04/26/2018	78032	Methyl tert-butyl ether		12	60	0.39	UG/L		
500-144479-16	125	**MW9I**	04/26/2018	34423	**Methylene Chloride**	**2.9**	0.5	5	1.6	UG/L	**PAL Exceeded**	
500-144479-16	125	MW9I	04/26/2018	34696	Naphthalene		10	100	0.34	UG/L		
500-144479-16	125	MW9I	04/26/2018	77342	n-Butylbenzene				0.39	UG/L		
500-144479-16	125	MW9I	04/26/2018	77224	N-Propylbenzene				0.41	UG/L		
500-144479-16	125	MW9I	04/26/2018	77356	p-Isopropyltoluene				0.36	UG/L		
500-144479-16	125	MW9I	04/26/2018	77350	sec-Butylbenzene				0.4	UG/L		
500-144479-16	125	MW9I	04/26/2018	77128	Styrene		10	100	0.39	UG/L		
500-144479-16	125	MW9I	04/26/2018	77353	tert-Butylbenzene				0.4	UG/L		
500-144479-16	125	MW9I	04/26/2018	34475	Tetrachloroethene		0.5	5	0.37	UG/L		
500-144479-16	125	MW9I	04/26/2018	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-144479-16	125	MW9I	04/26/2018	34010	Toluene		160	800	0.15	UG/L		
500-144479-16	125	MW9I	04/26/2018	34546	trans-1,2-Dichloroethene		20	100	0.35	UG/L		
500-144479-16	125	MW9I	04/26/2018	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	UG/L		
500-144479-16	125	**MW9I**	04/26/2018	39180	**Trichloroethene**	**0.54**	0.5	5	0.16	UG/L	**PAL Exceeded**	
500-144479-16	125	MW9I	04/26/2018	34488	Trichlorofluoromethane		698	3490	0.43	UG/L		
500-144479-16	125	MW9I	04/26/2018	39175	Vinyl chloride		0.02	0.2	0.2	UG/L		
500-144479-16	125	MW9I	04/26/2018	81551	Xylenes, Total		400	2000	0.22	UG/L		
500-144479-2	997	Field Blank	04/26/2018	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34506	1,1,1-Trichloroethane		40	200	0.38	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34511	1,1,2-Trichloroethane		0.5	5	0.35	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34496	1,1-Dichloroethane		85	850	0.41	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34501	1,1-Dichloroethene		0.7	7	0.39	UG/L		
500-144479-2	997	Field Blank	04/26/2018	77168	1,1-Dichloropropene				0.3	UG/L		
500-144479-2	997	Field Blank	04/26/2018	77613	1,2,3-Trichlorobenzene				0.46	UG/L		
500-144479-2	997	Field Blank	04/26/2018	77443	1,2,3-Trichloropropane		12	60	0.41	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34551	1,2,4-Trichlorobenzene		14	70	0.34	UG/L		
500-144479-2	997	Field Blank	04/26/2018	77222	1,2,4-Trimethylbenzene		96	480	0.36	UG/L		
500-144479-2	997	Field Blank	04/26/2018	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	UG/L		
500-144479-2	997	Field Blank	04/26/2018	77651	1,2-Dibromoethane		0.005	0.05	0.39	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34536	1,2-Dichlorobenzene		60	600	0.33	UG/L		
500-144479-2	997	Field Blank	04/26/2018	32103	1,2-Dichloroethane		0.5	5	0.39	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34541	1,2-Dichloropropane		0.5	5	0.43	UG/L		
500-144479-2	997	Field Blank	04/26/2018	77226	1,3,5-Trimethylbenzene		96	480	0.25	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34566	1,3-Dichlorobenzene		120	600	0.4	UG/L		
500-144479-2	997	Field Blank	04/26/2018	77173	1,3-Dichloropropane				0.36	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34571	1,4-Dichlorobenzene		15	75	0.36	UG/L		
500-144479-2	997	Field Blank	04/26/2018	77170	2,2-Dichloropropane				0.44	UG/L		
500-144479-2	997	Field Blank	04/26/2018	77275	2-Chlorotoluene				0.31	UG/L		
500-144479-2	997	Field Blank	04/26/2018	77277	4-Chlorotoluene				0.35	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34030	Benzene		0.5	5	0.15	UG/L		
500-144479-2	997	Field Blank	04/26/2018	81555	Bromobenzene				0.36	UG/L		
500-144479-2	997	Field Blank	04/26/2018	77297	Bromochloromethane				0.43	UG/L		
500-144479-2	997	Field Blank	04/26/2018	32101	Bromodichloromethane		0.06	0.6	0.37	UG/L		
500-144479-2	997	Field Blank	04/26/2018	32104	Bromoform		0.44	4.4	0.48	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34413	Bromomethane		1	10	0.8	UG/L		
500-144479-2	997	Field Blank	04/26/2018	32102	Carbon tetrachloride		0.5	5	0.38	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34301	Chlorobenzene		20	100	0.39	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34311	Chloroethane		80	400	0.51	UG/L		
500-144479-2	997	Field Blank	04/26/2018	32106	Chloroform		0.6	6	0.37	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34418	Chloromethane		3	30	0.32	UG/L		
500-144479-2	997	Field Blank	04/26/2018	77093	cis-1,2-Dichloroethene		7	70	0.41	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	UG/L		
500-144479-2	997	Field Blank	04/26/2018	32105	Dibromochloromethane		6	60	0.49	UG/L		
500-144479-2	997	Field Blank	04/26/2018	77596	Dibromomethane				0.27	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34668	Dichlorodifluoromethane		200	1000	0.67	UG/L		
500-144479-2	997	Field Blank	04/26/2018	77119	Dichlorofluoromethane				0.38	UG/L		
500-144479-2	997	Field Blank	04/26/2018	78113	Ethylbenzene		140	700	0.18	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34391	Hexachlorobutadiene				0.45	UG/L		
500-144479-2	997	Field Blank	04/26/2018	81577	Isopropyl ether				0.28	UG/L		
500-144479-2	997	Field Blank	04/26/2018	77223	Isopropylbenzene				0.39	UG/L		

NR 140 PAL-ES Exceedance Report

Stoughton LF #25216022

Apr-18

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-144479-2	997	Field Blank	04/26/2018	78032	Methyl tert-butyl ether		12	60	0.39	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34423	Methylene Chloride		0.5	5	1.6	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34696	Naphthalene		10	100	0.34	UG/L		
500-144479-2	997	Field Blank	04/26/2018	77342	n-Butylbenzene				0.39	UG/L		
500-144479-2	997	Field Blank	04/26/2018	77224	N-Propylbenzene				0.41	UG/L		
500-144479-2	997	Field Blank	04/26/2018	77356	p-Isopropyltoluene				0.36	UG/L		
500-144479-2	997	Field Blank	04/26/2018	77350	sec-Butylbenzene				0.4	UG/L		
500-144479-2	997	Field Blank	04/26/2018	77128	Styrene		10	100	0.39	UG/L		
500-144479-2	997	Field Blank	04/26/2018	77353	tert-Butylbenzene				0.4	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34475	Tetrachloroethene		0.5	5	0.37	UG/L		
500-144479-2	997	Field Blank	04/26/2018	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34010	Toluene	0.53	160	800	0.15	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34546	trans-1,2-Dichloroethene		20	100	0.35	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	UG/L		
500-144479-2	997	Field Blank	04/26/2018	39180	Trichloroethene		0.5	5	0.16	UG/L		
500-144479-2	997	Field Blank	04/26/2018	34488	Trichlorofluoromethane		698	3490	0.43	UG/L		
500-144479-2	997	Field Blank	04/26/2018	39175	Vinyl chloride		0.02	0.2	0.2	UG/L		
500-144479-2	997	Field Blank	04/26/2018	81551	Xylenes, Total		400	2000	0.22	UG/L		
500-144479-3	112	MW3D	04/25/2018	34668	Dichlorodifluoromethane		200	1000	0.67	UG/L		
500-144479-3	112	MW3D	04/25/2018	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-144479-4	115	MW4D	04/25/2018	34668	Dichlorodifluoromethane		200	1000	0.67	UG/L		
500-144479-4	115	MW4D	04/25/2018	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-144479-5	117	MW5D	04/25/2018	34668	Dichlorodifluoromethane	1.8	200	1000	0.67	UG/L		
500-144479-5	117	MW5D	04/25/2018	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-144479-6	127	MW10S	04/25/2018	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	UG/L		
500-144479-6	127	MW10S	04/25/2018	34506	1,1,1-Trichloroethane		40	200	0.38	UG/L		
500-144479-6	127	MW10S	04/25/2018	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	UG/L		
500-144479-6	127	MW10S	04/25/2018	34511	1,1,2-Trichloroethane		0.5	5	0.35	UG/L		
500-144479-6	127	MW10S	04/25/2018	34496	1,1-Dichloroethane		85	850	0.41	UG/L		
500-144479-6	127	MW10S	04/25/2018	34501	1,1-Dichloroethene		0.7	7	0.39	UG/L		
500-144479-6	127	MW10S	04/25/2018	77168	1,1-Dichloropropene				0.3	UG/L		
500-144479-6	127	MW10S	04/25/2018	77613	1,2,3-Trichlorobenzene				0.46	UG/L		
500-144479-6	127	MW10S	04/25/2018	77443	1,2,3-Trichloropropane		12	60	0.41	UG/L		
500-144479-6	127	MW10S	04/25/2018	34551	1,2,4-Trichlorobenzene		14	70	0.34	UG/L		
500-144479-6	127	MW10S	04/25/2018	77222	1,2,4-Trimethylbenzene		96	480	0.36	UG/L		
500-144479-6	127	MW10S	04/25/2018	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	UG/L		
500-144479-6	127	MW10S	04/25/2018	77651	1,2-Dibromoethane		0.005	0.05	0.39	UG/L		
500-144479-6	127	MW10S	04/25/2018	34536	1,2-Dichlorobenzene		60	600	0.33	UG/L		
500-144479-6	127	MW10S	04/25/2018	32103	1,2-Dichloroethane		0.5	5	0.39	UG/L		
500-144479-6	127	MW10S	04/25/2018	34541	1,2-Dichloropropane		0.5	5	0.43	UG/L		
500-144479-6	127	MW10S	04/25/2018	77226	1,3,5-Trimethylbenzene		96	480	0.25	UG/L		
500-144479-6	127	MW10S	04/25/2018	34566	1,3-Dichlorobenzene		120	600	0.4	UG/L		
500-144479-6	127	MW10S	04/25/2018	77173	1,3-Dichloropropane				0.36	UG/L		
500-144479-6	127	MW10S	04/25/2018	34571	1,4-Dichlorobenzene		15	75	0.36	UG/L		
500-144479-6	127	MW10S	04/25/2018	77170	2,2-Dichloropropane				0.44	UG/L		
500-144479-6	127	MW10S	04/25/2018	77275	2-Chlorotoluene				0.31	UG/L		
500-144479-6	127	MW10S	04/25/2018	77277	4-Chlorotoluene				0.35	UG/L		
500-144479-6	127	MW10S	04/25/2018	34030	Benzene		0.5	5	0.15	UG/L		
500-144479-6	127	MW10S	04/25/2018	81555	Bromobenzene				0.36	UG/L		
500-144479-6	127	MW10S	04/25/2018	77297	Bromochloromethane				0.43	UG/L		
500-144479-6	127	MW10S	04/25/2018	32101	Bromodichloromethane		0.06	0.6	0.37	UG/L		
500-144479-6	127	MW10S	04/25/2018	32104	Bromoform		0.44	4.4	0.48	UG/L		
500-144479-6	127	MW10S	04/25/2018	34413	Bromomethane		1	10	0.8	UG/L		
500-144479-6	127	MW10S	04/25/2018	32102	Carbon tetrachloride		0.5	5	0.38	UG/L		
500-144479-6	127	MW10S	04/25/2018	34301	Chlorobenzene		20	100	0.39	UG/L		
500-144479-6	127	MW10S	04/25/2018	34311	Chloroethane		80	400	0.51	UG/L		
500-144479-6	127	MW10S	04/25/2018	32106	Chloroform		0.6	6	0.37	UG/L		
500-144479-6	127	MW10S	04/25/2018	34418	Chloromethane		3	30	0.32	UG/L		
500-144479-6	127	MW10S	04/25/2018	77093	cis-1,2-Dichloroethene		7	70	0.41	UG/L		
500-144479-6	127	MW10S	04/25/2018	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	UG/L		
500-144479-6	127	MW10S	04/25/2018	32105	Dibromochloromethane		6	60	0.49	UG/L		
500-144479-6	127	MW10S	04/25/2018	77596	Dibromomethane				0.27	UG/L		
500-144479-6	127	MW10S	04/25/2018	34668	Dichlorodifluoromethane	0.98	200	1000	0.67	UG/L		
500-144479-6	127	MW10S	04/25/2018	77119	Dichlorofluoromethane	0.97			0.38	UG/L		
500-144479-6	127	MW10S	04/25/2018	78113	Ethylbenzene		140	700	0.18	UG/L		
500-144479-6	127	MW10S	04/25/2018	34391	Hexachlorobutadiene				0.45	UG/L		
500-144479-6	127	MW10S	04/25/2018	81577	Isopropyl ether				0.28	UG/L		
500-144479-6	127	MW10S	04/25/2018	77223	Isopropylbenzene				0.39	UG/L		
500-144479-6	127	MW10S	04/25/2018	78032	Methyl tert-butyl ether		12	60	0.39	UG/L		
500-144479-6	127	**MW10S**	04/25/2018	34423	**Methylene Chloride**	**8.3**	0.5	5	1.6	UG/L	PAL Exceeded	**ES Exceeded**

NR 140 PAL-ES Exceedance Report

Stoughton LF #25216022

Apr-18

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-144479-6	127	MW10S	04/25/2018	34696	Naphthalene		10	100	0.34	UG/L		
500-144479-6	127	MW10S	04/25/2018	77342	n-Butylbenzene				0.39	UG/L		
500-144479-6	127	MW10S	04/25/2018	77224	N-Propylbenzene				0.41	UG/L		
500-144479-6	127	MW10S	04/25/2018	77356	p-Isopropyltoluene				0.36	UG/L		
500-144479-6	127	MW10S	04/25/2018	77350	sec-Butylbenzene				0.4	UG/L		
500-144479-6	127	MW10S	04/25/2018	77128	Styrene		10	100	0.39	UG/L		
500-144479-6	127	MW10S	04/25/2018	77353	tert-Butylbenzene				0.4	UG/L		
500-144479-6	127	MW10S	04/25/2018	34475	Tetrachloroethene		0.5	5	0.37	UG/L		
500-144479-6	127	MW10S	04/25/2018	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-144479-6	127	MW10S	04/25/2018	34010	Toluene		160	800	0.15	UG/L		
500-144479-6	127	MW10S	04/25/2018	34546	trans-1,2-Dichloroethene		20	100	0.35	UG/L		
500-144479-6	127	MW10S	04/25/2018	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	UG/L		
500-144479-6	127	MW10S	04/25/2018	39180	Trichloroethene		0.5	5	0.16	UG/L		
500-144479-6	127	MW10S	04/25/2018	34488	Trichlorofluoromethane		698	3490	0.43	UG/L		
500-144479-6	127	MW10S	04/25/2018	39175	Vinyl chloride		0.02	0.2	0.2	UG/L		
500-144479-6	127	MW10S	04/25/2018	81551	Xylenes, Total		400	2000	0.22	UG/L		
500-144479-7	119	MW7I	04/25/2018	34668	Dichlorodifluoromethane		200	1000	0.67	UG/L		
500-144479-7	119	MW7I	04/25/2018	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-144479-8	124	MW9S	04/25/2018	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	UG/L		
500-144479-8	124	MW9S	04/25/2018	34506	1,1,1-Trichloroethane		40	200	0.38	UG/L		
500-144479-8	124	MW9S	04/25/2018	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	UG/L		
500-144479-8	124	MW9S	04/25/2018	34511	1,1,2-Trichloroethane		0.5	5	0.35	UG/L		
500-144479-8	124	MW9S	04/25/2018	34496	1,1-Dichloroethane		85	850	0.41	UG/L		
500-144479-8	124	MW9S	04/25/2018	34501	1,1-Dichloroethene		0.7	7	0.39	UG/L		
500-144479-8	124	MW9S	04/25/2018	77168	1,1-Dichloropropene				0.3	UG/L		
500-144479-8	124	MW9S	04/25/2018	77613	1,2,3-Trichlorobenzene				0.46	UG/L		
500-144479-8	124	MW9S	04/25/2018	77443	1,2,3-Trichloropropane		12	60	0.41	UG/L		
500-144479-8	124	MW9S	04/25/2018	34551	1,2,4-Trichlorobenzene		14	70	0.34	UG/L		
500-144479-8	124	MW9S	04/25/2018	77222	1,2,4-Trimethylbenzene		96	480	0.36	UG/L		
500-144479-8	124	MW9S	04/25/2018	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	UG/L		
500-144479-8	124	MW9S	04/25/2018	77651	1,2-Dibromoethane		0.005	0.05	0.39	UG/L		
500-144479-8	124	MW9S	04/25/2018	34536	1,2-Dichlorobenzene		60	600	0.33	UG/L		
500-144479-8	124	MW9S	04/25/2018	32103	1,2-Dichloroethane		0.5	5	0.39	UG/L		
500-144479-8	124	MW9S	04/25/2018	34541	1,2-Dichloropropane		0.5	5	0.43	UG/L		
500-144479-8	124	MW9S	04/25/2018	77226	1,3,5-Trimethylbenzene		96	480	0.25	UG/L		
500-144479-8	124	MW9S	04/25/2018	34566	1,3-Dichlorobenzene		120	600	0.4	UG/L		
500-144479-8	124	MW9S	04/25/2018	77173	1,3-Dichloropropane				0.36	UG/L		
500-144479-8	124	MW9S	04/25/2018	34571	1,4-Dichlorobenzene		15	75	0.36	UG/L		
500-144479-8	124	MW9S	04/25/2018	77170	2,2-Dichloropropane				0.44	UG/L		
500-144479-8	124	MW9S	04/25/2018	77275	2-Chlorotoluene				0.31	UG/L		
500-144479-8	124	MW9S	04/25/2018	77277	4-Chlorotoluene				0.35	UG/L		
500-144479-8	124	MW9S	04/25/2018	34030	Benzene		0.5	5	0.15	UG/L		
500-144479-8	124	MW9S	04/25/2018	81555	Bromobenzene				0.36	UG/L		
500-144479-8	124	MW9S	04/25/2018	77297	Bromochloromethane				0.43	UG/L		
500-144479-8	124	MW9S	04/25/2018	32101	Bromodichloromethane		0.06	0.6	0.37	UG/L		
500-144479-8	124	MW9S	04/25/2018	32104	Bromoform		0.44	4.4	0.48	UG/L		
500-144479-8	124	MW9S	04/25/2018	34413	Bromomethane		1	10	0.8	UG/L		
500-144479-8	124	MW9S	04/25/2018	32102	Carbon tetrachloride		0.5	5	0.38	UG/L		
500-144479-8	124	MW9S	04/25/2018	34301	Chlorobenzene		20	100	0.39	UG/L		
500-144479-8	124	MW9S	04/25/2018	34311	Chloroethane		80	400	0.51	UG/L		
500-144479-8	124	MW9S	04/25/2018	32106	Chloroform		0.6	6	0.37	UG/L		
500-144479-8	124	MW9S	04/25/2018	34418	Chloromethane		3	30	0.32	UG/L		
500-144479-8	124	MW9S	04/25/2018	77093	cis-1,2-Dichloroethene		7	70	0.41	UG/L		
500-144479-8	124	MW9S	04/25/2018	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	UG/L		
500-144479-8	124	MW9S	04/25/2018	32105	Dibromochloromethane		6	60	0.49	UG/L		
500-144479-8	124	MW9S	04/25/2018	77596	Dibromomethane				0.27	UG/L		
500-144479-8	124	MW9S	04/25/2018	34668	Dichlorodifluoromethane	22	200	1000	0.67	UG/L		
500-144479-8	124	MW9S	04/25/2018	77119	Dichlorofluoromethane	23			0.38	UG/L		
500-144479-8	124	MW9S	04/25/2018	78113	Ethylbenzene		140	700	0.18	UG/L		
500-144479-8	124	MW9S	04/25/2018	34391	Hexachlorobutadiene				0.45	UG/L		
500-144479-8	124	MW9S	04/25/2018	81577	Isopropyl ether				0.28	UG/L		
500-144479-8	124	MW9S	04/25/2018	77223	Isopropylbenzene				0.39	UG/L		
500-144479-8	124	MW9S	04/25/2018	78032	Methyl tert-butyl ether		12	60	0.39	UG/L		
500-144479-8	124	**MW9S**	04/25/2018	34423	**Methylene Chloride**	**8**	0.5	5	1.6	UG/L	PAL Exceeded	**ES Exceeded**
500-144479-8	124	MW9S	04/25/2018	34696	Naphthalene		10	100	0.34	UG/L		
500-144479-8	124	MW9S	04/25/2018	77342	n-Butylbenzene				0.39	UG/L		
500-144479-8	124	MW9S	04/25/2018	77224	N-Propylbenzene				0.41	UG/L		
500-144479-8	124	MW9S	04/25/2018	77356	p-Isopropyltoluene				0.36	UG/L		
500-144479-8	124	MW9S	04/25/2018	77350	sec-Butylbenzene				0.4	UG/L		
500-144479-8	124	MW9S	04/25/2018	77128	Styrene		10	100	0.39	UG/L		

NR 140 PAL-ES Exceedance Report

Stoughton LF #25216022

Apr-18

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-144479-8	124	MW9S	04/25/2018	77353	tert-Butylbenzene				0.4	UG/L		
500-144479-8	124	MW9S	04/25/2018	34475	Tetrachloroethene		0.5	5	0.37	UG/L		
500-144479-8	124	MW9S	04/25/2018	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-144479-8	124	MW9S	04/25/2018	34010	Toluene		160	800	0.15	UG/L		
500-144479-8	124	MW9S	04/25/2018	34546	trans-1,2-Dichloroethene		20	100	0.35	UG/L		
500-144479-8	124	MW9S	04/25/2018	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	UG/L		
500-144479-8	124	MW9S	04/25/2018	39180	Trichloroethene	0.32	0.5	5	0.16	UG/L		
500-144479-8	124	MW9S	04/25/2018	34488	Trichlorofluoromethane		698	3490	0.43	UG/L		
500-144479-8	124	MW9S	04/25/2018	39175	Vinyl chloride		0.02	0.2	0.2	UG/L		
500-144479-8	124	MW9S	04/25/2018	81551	Xylenes, Total		400	2000	0.22	UG/L		
500-144479-9	126	MW9B	04/25/2018	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	UG/L		
500-144479-9	126	MW9B	04/25/2018	34506	1,1,1-Trichloroethane		40	200	0.38	UG/L		
500-144479-9	126	MW9B	04/25/2018	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	UG/L		
500-144479-9	126	MW9B	04/25/2018	34511	1,1,2-Trichloroethane		0.5	5	0.35	UG/L		
500-144479-9	126	MW9B	04/25/2018	34496	1,1-Dichloroethane		85	850	0.41	UG/L		
500-144479-9	126	MW9B	04/25/2018	34501	1,1-Dichloroethene		0.7	7	0.39	UG/L		
500-144479-9	126	MW9B	04/25/2018	77168	1,1-Dichloropropene				0.3	UG/L		
500-144479-9	126	MW9B	04/25/2018	77613	1,2,3-Trichlorobenzene				0.46	UG/L		
500-144479-9	126	MW9B	04/25/2018	77443	1,2,3-Trichloropropane		12	60	0.41	UG/L		
500-144479-9	126	MW9B	04/25/2018	34551	1,2,4-Trichlorobenzene		14	70	0.34	UG/L		
500-144479-9	126	MW9B	04/25/2018	77222	1,2,4-Trimethylbenzene		96	480	0.36	UG/L		
500-144479-9	126	MW9B	04/25/2018	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	UG/L		
500-144479-9	126	MW9B	04/25/2018	77651	1,2-Dibromoethane		0.005	0.05	0.39	UG/L		
500-144479-9	126	MW9B	04/25/2018	34536	1,2-Dichlorobenzene		60	600	0.33	UG/L		
500-144479-9	126	MW9B	04/25/2018	32103	1,2-Dichloroethane		0.5	5	0.39	UG/L		
500-144479-9	126	MW9B	04/25/2018	34541	1,2-Dichloropropane		0.5	5	0.43	UG/L		
500-144479-9	126	MW9B	04/25/2018	77226	1,3,5-Trimethylbenzene		96	480	0.25	UG/L		
500-144479-9	126	MW9B	04/25/2018	34566	1,3-Dichlorobenzene		120	600	0.4	UG/L		
500-144479-9	126	MW9B	04/25/2018	77173	1,3-Dichloropropane				0.36	UG/L		
500-144479-9	126	MW9B	04/25/2018	34571	1,4-Dichlorobenzene		15	75	0.36	UG/L		
500-144479-9	126	MW9B	04/25/2018	77170	2,2-Dichloropropane				0.44	UG/L		
500-144479-9	126	MW9B	04/25/2018	77275	2-Chlorotoluene				0.31	UG/L		
500-144479-9	126	MW9B	04/25/2018	77277	4-Chlorotoluene				0.35	UG/L		
500-144479-9	126	MW9B	04/25/2018	34030	Benzene		0.5	5	0.15	UG/L		
500-144479-9	126	MW9B	04/25/2018	81555	Bromobenzene				0.36	UG/L		
500-144479-9	126	MW9B	04/25/2018	77297	Bromochloromethane				0.43	UG/L		
500-144479-9	126	MW9B	04/25/2018	32101	Bromodichloromethane		0.06	0.6	0.37	UG/L		
500-144479-9	126	MW9B	04/25/2018	32104	Bromoform		0.44	4.4	0.48	UG/L		
500-144479-9	126	MW9B	04/25/2018	34413	Bromomethane		1	10	0.8	UG/L		
500-144479-9	126	MW9B	04/25/2018	32102	Carbon tetrachloride		0.5	5	0.38	UG/L		
500-144479-9	126	MW9B	04/25/2018	34301	Chlorobenzene		20	100	0.39	UG/L		
500-144479-9	126	MW9B	04/25/2018	34311	Chloroethane		80	400	0.51	UG/L		
500-144479-9	126	MW9B	04/25/2018	32106	Chloroform		0.6	6	0.37	UG/L		
500-144479-9	126	MW9B	04/25/2018	34418	Chloromethane		3	30	0.32	UG/L		
500-144479-9	126	MW9B	04/25/2018	77093	cis-1,2-Dichloroethene		7	70	0.41	UG/L		
500-144479-9	126	MW9B	04/25/2018	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	UG/L		
500-144479-9	126	MW9B	04/25/2018	32105	Dibromochloromethane		6	60	0.49	UG/L		
500-144479-9	126	MW9B	04/25/2018	77596	Dibromomethane				0.27	UG/L		
500-144479-9	126	MW9B	04/25/2018	34668	Dichlorodifluoromethane	7.1	200	1000	0.67	UG/L		
500-144479-9	126	MW9B	04/25/2018	77119	Dichlorofluoromethane	2.2			0.38	UG/L		
500-144479-9	126	MW9B	04/25/2018	78113	Ethylbenzene		140	700	0.18	UG/L		
500-144479-9	126	MW9B	04/25/2018	34391	Hexachlorobutadiene				0.45	UG/L		
500-144479-9	126	MW9B	04/25/2018	81577	Isopropyl ether				0.28	UG/L		
500-144479-9	126	MW9B	04/25/2018	77223	Isopropylbenzene				0.39	UG/L		
500-144479-9	126	MW9B	04/25/2018	78032	Methyl tert-butyl ether		12	60	0.39	UG/L		
500-144479-9	126	**MW9B**	04/25/2018	34423	**Methylene Chloride**	**7.3**	0.5	5	1.6	UG/L	PAL Exceeded	**ES Exceeded**
500-144479-9	126	MW9B	04/25/2018	34696	Naphthalene		10	100	0.34	UG/L		
500-144479-9	126	MW9B	04/25/2018	77342	n-Butylbenzene				0.39	UG/L		
500-144479-9	126	MW9B	04/25/2018	77224	N-Propylbenzene				0.41	UG/L		
500-144479-9	126	MW9B	04/25/2018	77356	p-Isopropyltoluene				0.36	UG/L		
500-144479-9	126	MW9B	04/25/2018	77350	sec-Butylbenzene				0.4	UG/L		
500-144479-9	126	MW9B	04/25/2018	77128	Styrene		10	100	0.39	UG/L		
500-144479-9	126	MW9B	04/25/2018	77353	tert-Butylbenzene				0.4	UG/L		
500-144479-9	126	MW9B	04/25/2018	34475	Tetrachloroethene		0.5	5	0.37	UG/L		
500-144479-9	126	MW9B	04/25/2018	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-144479-9	126	MW9B	04/25/2018	34010	Toluene		160	800	0.15	UG/L		
500-144479-9	126	MW9B	04/25/2018	34546	trans-1,2-Dichloroethene		20	100	0.35	UG/L		
500-144479-9	126	MW9B	04/25/2018	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	UG/L		
500-144479-9	126	MW9B	04/25/2018	39180	Trichloroethene		0.5	5	0.16	UG/L		
500-144479-9	126	MW9B	04/25/2018	34488	Trichlorofluoromethane	4.8	698	3490	0.43	UG/L		

NR 140 PAL-ES Exceedance Report

Stoughton LF #25216022

Apr-18

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-144479-9	126	MW9B	04/25/2018	39175	Vinyl chloride		0.02	0.2	0.2	UG/L		
500-144479-9	126	MW9B	04/25/2018	81551	Xylenes, Total		400	2000	0.22	UG/L		

ATTACHMENT C

Field Forms

Job Name: Stoughton City Landfill **Job. No.** 25216022.00 **By:** Nate Harms

SCS ENGINEERS

Location: Stoughton, Wisconsin **Project Mgr.** Leslie Busse

Notes: 2018 Annual GW Monitoring

Well No.	DNR ID	Sample Date	Time Sampled	Depth to Water	Total Depth	Volume Purged	Odor	Color	Turb.	Dissolved Oxygen (ppm)	Temp. (^{0}C)	Specific Conductivity (µs/cm)	pH
Param #	--	--	--	--	--	--	**1**	**2**	**3**		**10**	**94**	**400**
MW3S	111	4/25/2018	--	9.35	19.4								
MW3D	112	4/25/2018	1125	9.30	73	45 gal	N	Tan	Slight	3.33	12.8	955	7.25
MW3B	113	4/25/2018	--	10.15	95								
MW4S	114	4/25/2018	--	6.80	15.2								
MW4D	115	4/25/2018	1230	6.69	74	50 gal	Swampy	Gray	Slight	3.95	13.6	10.1	7.02
MW5S	116	4/25/2018	--	6.73	16.6								
MW5D	117	4/25/2018	1525	6.60	77	40 gal, dry	N	N	Slight	5.17	12.5	417.8	7.52
MW7S	118	4/25/2018	--	4.70	15.1								
MW7I	119	4/25/2018	1515	0.00	60	42+	N	C	N	3.15	12.4	336	7.21
MW8S	120	4/25/2018	--	0.91	33								
MW8I	122	4/26/2018	1120	0.68	62.4	233+	N	C	N	4.08	8.0	877	7.27
MW8B	123	4/25/2018	--	1.43	39.5								
MW9S	124	4/25/2018	1620	1.76	13.4	9	N	Lt. tan	Mod.	5.04	10.5	715	7.76
MW9I	125	4/26/2018	1200	1.99	47.2	32+	N	C	N	2.42	12.5	713	7.54
MW9B	126	4/25/2018	1630	1.76	83.3	60 +	N	C	N	7.17	11.0	735	7.69
MW10S	127	4/25/2018	1635	3.25	16.9	6 gal, dry	N	Tan	Very	5.2	8.2	419	7.20

Job Name: Stoughton City Landfill **Job. No.** 25216022.00 **By:** Nate Harms

SCS ENGINEERS

Location: Stoughton, Wisconsin **Project Mgr.** Leslie Busse

Notes: 2018 Annual GW Monitoring

Well No.	DNR ID	Sample Date	Time Sampled	Depth to Water	Total Depth	Volume Purged	Odor	Color	Turb.	Dissolved Oxygen (ppm)	Temp. (^{0}C)	Specific Conductivity (µs/cm)	pH
Param #	--	--	--	--	--	--	**1**	**2**	**3**		**10**	**94**	**400**
MW10I	128	4/26/2018	1100	0.00	39.8	Artesian	N	C	N	4.09	10.9	442.1	7.15
MW13S	130	4/25/2018	--	4.00	16.7								
MW13I	131	4/26/2018	1045	0.00	22.9	Artesian	N	C	N	5.37	10.1	586	7.37
MW14S	133	4/26/2018	1000	3.38	26.2	8 gal, dry	N	Tan	Very	6.53	9.2	394.4	7.64
MW14I	134	4/26/2018	1020	2.20	51.2	34+	N	C	N	4.7	12.1	763	7.60
MW14D	135	4/25/2018	--	2.73	89.6								
MW15S	136	4/25/2018	--	4.40	16.6								
MW15I	137	4/25/2018	--	2.15	57.4								
MW15D	138	4/25/2018	--	2.27	85.9								
MW8I	--	4/26/2018	1120	--	--	--	--	--	--		--	--	--
Trip Blank	999	4/26/2018		--	--	--	--	--	--		--	--	--
Field Blank	997	4/26/2018	1050	--	--	--	--	--	--		--	--	--

Comments: Purge water from MW9I was containerized and disposed of at MMSD.