June 24, 2019
File No. 25219092.00

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

Subject: 2019 Annual Groundwater Monitoring Report
Stoughton City Landfill
FID #113005950 – License #133
USEPA ID #WID980901219
WDNR Purchase Order #37000-0000010307

Dear Mr. Lowery:

This 2019 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 include results from field measurements and analysis of samples collected from 13 groundwater monitoring wells on April 25 and 26, 2019, by SCS Engineers (SCS) staff. The groundwater samples were submitted to Eurofins TestAmerica Chicago (Wisconsin Lab Certification No. 999580010) for laboratory analysis.

A completed Environmental Monitoring Data Certification Form (Form 4400-231), Exceedance Report, and compact disc (CD) with the electronic data deliverable (EDD) file were transmitted to the Wisconsin Department of Natural Resources (WDNR) Groundwater and Environmental Monitoring System (GEMS) Data Submittal Contact.

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 duplicate samples at wells MW13I and MW14I, 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 Eurofins TestAmerica Inc. for analysis of volatile organic compounds (VOCs) by Environmental Protection Agency (EPA) Method SW 8260B. In accordance with the approved Field Sampling Plan, results from analysis of samples from six of the wells sampled were reported for two VOCs - dichlorodifluoromethane (DCDFM) and tetrahydrofuran (THF). The data from laboratory analysis of those samples are presented in the analytical report for job 500-162371-1, a copy of which is provided in **Appendix A**. Results from analysis of the samples from the remaining seven wells are reported for a typical list of VOCs. The data from laboratory analysis of those samples are presented in the analytical report for job 500-162370-1, a copy of which is also provided in **Appendix A**.

GROUNDWATER DATA

A summary of the 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 three prior annual sampling events (i.e., 2016, 2017, and 2018). 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 samples collected in 2019 to prior results is included in **Table 4**. A copy of the analytical reports from the laboratory for this period, which includes the case narrative, chain of custody forms, and quality control report is included in **Appendix A**. A copy of the data certification form and the data summaries that identify results in excess of the NR 140 Preventive Action Limit (PAL) or Enforcement Standard (ES) (i.e., the Exceedance Report) prepared by TestAmerica is provided in **Appendix B**.

Groundwater Elevations

As shown in **Table 2**, the depth to water measurements, and corresponding groundwater elevations from this reporting period, are generally consistent with prior data. Groundwater was flowing from the top of three of the 13 monitoring wells at the time of the 2019 sampling event. Groundwater elevations were slightly higher (0.68 to 1.28 feet) in 2019 than at the time of the prior annual sampling event in 2018. The groundwater elevation at MW10S was 0.02 feet lower in 2019, than in 2018. The depth to water measurements can be found on the Field Forms included in **Appendix C**.

Compounds Reported in Groundwater Samples

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

- Trichloroethene (TCE) – MW9I at 0.77 micrograms per liter (µg/L) (PAL of 0.5 µg/L)
- Tetrachloroethene (PCE) – MW14S at 0.81 µg/L (PAL of 0.5 µg/L)
- Tetrachloroethene (PCE) – MW10I at 3.2 µg/L (PAL of 0.5 µg/L)

No results exceeded the concentrations established as the ES, or federal Maximum Contaminant Levels (MCLs), from analysis of samples collected during this period.

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 sample collected during this period (i.e., 2019) at well MW09I (i.e., 0.77 µg/L) is above the PAL (0.5 µg/L), but below the concentration established as the ES (5.0 µg/L). The current result is consistent with analysis of recent prior samples from this well.

The PCE concentration reported from analysis of the sample collected during this period (i.e., 2019) at well MW14S (i.e., 0.81 µg/L) is above the PAL (0.5 µg/L), but below the concentration established as the ES (5.0 µg/L). The current result is consistent with analysis of recent prior samples from this

well. It should be noted that the result was qualified by the laboratory as an estimated concentration (i.e., J-flagged).

The PCE concentration reported from analysis of the sample collected during this period (i.e., 2019) at well MW10I (i.e., 3.2 µg/L) is above the PAL (0.5 µg/L), but below the concentration established as the ES (5.0 µg/L). The current result (3.2 µg/L) is slightly higher than the range (1.3 – 1.9 µg/L) of values reported from analysis of samples from the past three reporting periods (i.e., 2016 – 2018).

DCDFM was quantified by the laboratory at concentrations below the PAL (i.e., 200 µg/L) in samples from 4 of the 13 wells where samples were collected during this reporting period. As shown in Table 4, the highest concentration of DCDFM during this reporting period (i.e., 16 µg/L) was from analysis of the samples collected at wells MW9S and MW9I.

As summarized in Table 4, THF was not identified 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 methylene chloride concentrations identified in samples from five of the groundwater monitoring wells in 2018 were not confirmed by analysis of the samples collected in 2019. The 2019 results support the conclusion that the methylene chloride concentrations reported in 2018 were anomalies related to laboratory contamination.

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. In addition to the laboratory QC measures, the laboratory analyzed 2 duplicate samples, 1 FB, and 1 TB prepared in association with this sampling event to assess data quality.

Trip blanks are created in the laboratory and accompany the sample containers from the lab, to the field, and back to the lab. The purpose of a trip blank is to assess whether samples were potentially exposed to contaminants during sampling or shipping procedures. One VOC, toluene, was reported at a low, estimated concentration (i.e., between the limit of detection and the limit of quantitation) of 0.19 µg/L, during this sampling event. This value is well below the concentration established as the NR 140 PAL (160 µg/L). Toluene was not identified in any other samples from this sampling event; thus, is not expected to indicate any issues related to sample contamination. FB samples are created in the field using the existing sampling equipment and a known clean water source, and accompany the samples to the laboratory. Analysis of FBs can help assess potential impacts from sampling procedures and sampling equipment. No VOCs were quantified in analysis of the FB prepared during this sampling event.

Duplicate samples were collected as part of this sampling event at monitoring wells MW14I and MW13I. The results for the samples collected at MW13I are consistent in that no VOCs were reported in either sample. The results from analysis of the duplicate samples collected at MW14I are consistent except that trichloroethene was reported at a low concentration (i.e., 0.18 µg/L) in one of the two samples. The result was qualified by the laboratory as an estimated concentration. The results for the one VOC quantified in the two samples from MW14I (dichlorofluoromethane) were consistent at concentrations of 9.4 and 9.6 µg/L. The identified concentration of TCE is low, below

the PAL of 0.5 µg/L, thus is not likely to indicate significant problems related to data quality (i.e., reproducibility).

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

Sincerely,

Zach Watson
Associate Scientist
SCS Engineers

Leslie Busse, PE
Project Manager
SCS Engineers

ZTW/lmh/MP/LAB

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

Encl. 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
Sheet 1 – Site Plan
Appendix A – Laboratory Analytical Reports
Appendix B – Certification, Data Summary and Exceedance Report; Eurofins TA
Appendix C – Field Forms

I:\25219092.00\Deliverables\Annual GW Report\190624_Lowery_Stoughton_Annual_GW_Monitoring_Report.docx

Tables

Table 1. Groundwater Analytical Results Summary - VOCs
Stoughton City Landfill / SCS Engineers Project #25219092.00
(Results are in µg/L)

Sample	Date	Lab Notes	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Naphthalene	Other VOCs
MW3D	4/7/2016	--	NA	NA	NA	NA	NA	NA	NA	ND
	5/4/2017	--	NA	NA	NA	NA	NA	NA	NA	Tetrahydrofuran 6.5 J
	4/25/2018	--	NA	NA	NA	NA	NA	NA	NA	ND
	4/26/2019	--	NA	NA	NA	NA	NA	NA	NA	ND
MW4D	4/7/2016	--	NA	NA	NA	NA	NA	NA	NA	ND
	5/4/2017	--	NA	NA	NA	NA	NA	NA	NA	ND
	4/25/2018	--	NA	NA	NA	NA	NA	NA	NA	ND
	4/26/2019	--	NA	NA	NA	NA	NA	NA	NA	ND
MW5D	4/7/2016	--	NA	NA	NA	NA	NA	NA	NA	ND
	5/4/2017	--	NA	NA	NA	NA	NA	NA	NA	ND
	4/25/2018	--	NA	NA	NA	NA	NA	NA	NA	Dichlorodifluoromethane 1.8 J1
	4/25/2019	--	NA	NA	NA	NA	NA	NA	NA	ND
MW5D Dup	4/7/2016	--	NA	NA	NA	NA	NA	NA	NA	ND
	5/4/2017	--	NA	NA	NA	NA	NA	NA	NA	ND
MW7I	4/7/2016	--	NA	NA	NA	NA	NA	NA	NA	ND
	5/5/2017	--	NA	NA	NA	NA	NA	NA	NA	Tetrahydrofuran 6.9 J
	4/28/2018	--	NA	NA	NA	NA	NA	NA	NA	ND
	4/25/2019	--	NA	NA	NA	NA	NA	NA	NA	ND
MW8I	4/7/2016	--	NA	NA	NA	NA	NA	NA	NA	ND
	5/5/2017	--	NA	NA	NA	NA	NA	NA	NA	ND
	4/26/2018	--	NA	NA	NA	NA	NA	NA	NA	ND
	4/25/2019	--	NA	NA	NA	NA	NA	NA	NA	ND
MW8I Dup	4/26/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	ND
MW9B	4/7/2016	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	Dichlorodifluoromethane 11 Trichlorofluoromethane 7.9
	5/5/2017	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	Dichlorodifluoromethane 3.1 Dichlorofluoromethane 1.5

Table 1. Groundwater Analytical Results Summary - VOCs
Stoughton City Landfill / SCS Engineers Project #25219092.00
(Results are in µg/L)

Sample	Date	Lab Notes	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Naphthalene	Other VOCs	
MW9B (cont.)	4/25/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	Dichlorodifluoromethane	7.1
										Dichlorofluoromethane	2.2
										Methylene Chloride	**7.3** C
										Trichlorofluoromethane	4.8
	4/25/2019	(1)	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39 *	<0.34	Dichlorodifluoromethane	1.5 J1
										Dichlorofluoromethane	0.76 J1
MW9S	4/7/2016	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	Dichlorodifluoromethane	23
	5/5/2017	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	Dichlorodifluoromethane	26
										Dichlorofluoromethane	30
	4/25/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	Dichlorodifluoromethane	22
										Dichlorofluoromethane	23
										Methylene Chloride	**8.0** C
										Trichloroethene	0.32 C
	4/25/2019	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39 *	<0.34	Dichlorodifluoromethane	16
										Dichlorofluoromethane	22
										Trichloroethene	0.41 J1
MW9I	4/7/2016	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	Dichlorodifluoromethane	19
										Trichloroethene	*0.59*
	5/5/2017	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	Dichlorodifluoromethane	24
										Dichlorofluoromethane	13
	4/26/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	Dichlorodifluoromethane	22
										Dichlorofluoromethane	13
										Methylene Chloride	*2.9* J1,C
										Trichloroethene	*0.54*
	4/25/2019	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39 *	<0.34	cis-1,2-Dichloroethene	0.52 J1
										Dichlorodifluoromethane	16
										Dichlorofluoromethane	16
										Trichloroethene	*0.77*

Table 1. Groundwater Analytical Results Summary - VOCs
Stoughton City Landfill / SCS Engineers Project #25219092.00
(Results are in µg/L)

Sample	Date	Lab Notes	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Naphthalene	Other VOCs	
MW9I Dup	4/7/2016	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	Dichlorodifluoromethane	21
	5/5/2017	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	Dichlorodifluoromethane	26
										Dichlorofluoromethane	14
										Trichloroethene	0.39 J
MW10S	4/7/2016	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	ND	
	5/5/2017	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	ND	
	4/25/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	Dichlorodifluoromethane	0.98 J1
										Dichlorofluoromethane	0.97 J1
										Methylene Chloride	**8.3** C
	4/25/2019	(1)	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39 *	<0.34	ND	
MW10I	4/7/2016	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	Dichlorodifluoromethane	8.2
										Tetrachloroethene	*1.3*
	5/5/2017	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	Dichlorodifluoromethane	12
										Dichlorofluoromethane	6.1
										Tetrachloroethene	*1.8*
	4/26/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	Dichlorodifluoromethane	8.0
										Dichlorofluoromethane	5.0
										Tetrachloroethene	*1.9*
	4/26/2019	(2)	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	Dichlorodifluoromethane	5.8
										Dichlorofluoromethane	6.8
										Tetrachloroethene	*3.2*
MW13I	4/7/2016	--	NA	NA	NA	NA	NA	NA	NA	Dichlorodifluoromethane	4.1
										Tetrahydrofuran	*13*
	10/18/2016	--	NA	NA	NA	NA	NA	NA	NA	Tetrahydrofuran	4.6 J
	5/5/2017	--	NA	NA	NA	NA	NA	NA	NA	ND	
	4/26/2018	--	NA	NA	NA	NA	NA	NA	NA	ND	
	4/25/2019	--	NA	NA	NA	NA	NA	NA	NA	ND	
MW13I Dup	4/25/2019	--	NA	NA	NA	NA	NA	NA	NA	ND	

Table 1. Groundwater Analytical Results Summary - VOCs
Stoughton City Landfill / SCS Engineers Project #25219092.00
(Results are in µg/L)

Sample	Date	Lab Notes	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Naphthalene	Other VOCs
MW14S	4/7/2016	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	ND
	5/5/2017	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	ND
	4/26/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	Dichlorodifluoromethane 2.4 Dichlorofluoromethane 3.6 Methylene Chloride 2.7 J1,C Tetrachloroethene 0.89 J1
	4/25/2019	(2)	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	Dichlorofluoromethane 2.8 Tetrachloroethene 0.81 J1
MW14I	4/7/2016	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	Dichlorodifluoromethane 2.8
	5/5/2017	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	Dichlorodifluoromethane 4.6 Dichlorofluoromethane 12
	4/26/2018	--	<0.15	<0.18	<0.15	<0.20	<0.61	<0.39	<0.34	Dichlorodifluoromethane 2.1 Dichlorofluoromethane 9.5
	4/25/2019	(2)	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	Dichlorofluoromethane 9.4
MW14I Dup	4/25/2019	(2)	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	Dichlorofluoromethane 9.6 Trichloroethene 0.18 J1
Field Blank	4/7/2016	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	ND
	5/5/2017	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34 *F1	ND
	4/26/2018	--	<0.15	<0.18	0.53	<0.22	<0.61	<0.39	<0.34	ND
	4/25/2019	(2)	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	ND
Trip Blank	4/7/2016	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	ND
	10/18/2016	--	NA	NA	NA	NA	NA	NA	NA	Tetrahydrofuran 2.5 J
	5/4/2017	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	ND
	4/26/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.34	Methylene Chloride 2.8 J1,C
	4/25/2019	(2)	<0.15	<0.18	0.19 J1	<0.22	<0.61	<0.39	<0.34	ND

Table 1. Groundwater Analytical Results Summary - VOCs
Stoughton City Landfill / SCS Engineers Project #25219092.00
(Results are in µg/L)

Sample	Date	Lab Notes	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Naphthalene	Other VOCs	
NR 140 Enforcement Standards (ESs)			5	700	800	2,000	480	60	100	cis-1,2-Dichloroethene	70
										Dichlorodifluoromethane	1,000
										Dichlorofluoromethane	NE
										Methylene Chloride	5
										Tetrahydrofuran	50
										Tetrachloroethene	5
										Toluene	160
										Trichloroethene	5
										Trichlorofluoromethane	3,490
NR 140 Preventive Action Limits (PALs)			0.5	140	160	400	96	12	10	cis-1,2-Dichloroethene	7
										Dichlorodifluoromethane	200
										Dichlorofluoromethane	NE
										Methylene Chloride	0.5
										Tetrahydrofuran	10
										Tetrachloroethene	0.5
										Toluene	800
										Trichloroethene	0.5
										Trichlorofluoromethane	698

Abbreviations:
µg/L = micrograms per liter or parts per billion (ppb)
MTBE = Methyl-tert-butyl ether
NA = Not Analyzed
VOCs = Volatile Organic Compounds
(Dup) = Duplicate Sample
ND = Not Detected
TMBs = 1,2,4- and 1,3,5-trimethylbenzenes
-- = Not Applicable
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.
(1) Trichlorofluoromethane = LCS or LCSD is outside acceptance limits.
(2) Bromomethane = LCS or LCSD is outside acceptance limits. CCV Recovery is outside acceptance limits.

Created by: AV Date: 4/29/2016
Last revision by: ZTW Date: 5/24/2019
Checked by: LMH Date: 6/19/2019

I:\25219092.00\Deliverables\Annual GW Report\[Table 1_GW_VOCs.xlsx]GW VOCs

Table 2. Water Level Summary
Stoughton City Landfill / SCS Engineers Project #25219092.00

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
April 25-26, 2019	8.02	5.41	5.33	0.00	0.00	0.75	0.76	0.50	3.27	0.00	0.00	2.11	0.96

	Ground Water Elevation in feet above mean sea level (amsl)												
Well Number	**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
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
April 25-26, 2019	847.15	846.67	847.02	843.99	846.32	846.48	846.38	846.18	843.61	845.86	853.02	846.62	846.42
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: ZTW Date: 5/23/2019
Checked by: LMH Date: 6/19/2019

I:\25219092.00\Deliverables\Annual GW Report\[Table 2_Water Level Summary.xls]levels

Table 3. Field Parameter Summary
Stoughton City Landfill / SCS Engineers Project #25219092.00

Well Number	Date	Temperature (°C)	Specific Conductivity (umhos/cm)	pH (Std. Units)	Dissolved Oxygen (mg/L)	Turbidity
MW03D	4/26/2019	11.6	896	7.41	0.91	None
MW04D	4/26/2019	11.9	960	7.31	1.48	Slight
MW05D	4/25/2019	17.1	839	7.53	3.16	Moderate
MW07I	4/25/2019	14.6	921	7.96	2.70	None
MW08I	4/25/2019	10.7	1075	7.52	0.40	None
MW09S	4/25/2019	10.3	750	7.39	2.49	None
MW09I	4/25/2019	11.8	607	7.50	2.90	None
MW09B	4/25/2019	14.0	274	7.34	6.47	None
MW10S	4/25/2019	8.9	583	8.56	4.60	High
MW10I	4/26/2019	11.9	789	7.27	2.09	Slight
MW13I	4/25/2019	15.9	719	7.55	2.43	Slight
MW14S	4/25/2019	11.9	436	7.89	2.00	High
MW14I	4/25/2019	13.3	844	7.87	1.49	None

Created by: ES Date: 6/28/2017
Last revision by: ZTW Date: 5/23/2019
Checked by: LMH Date: 6/19/2019

I:\25219092.00\Deliverables\Annual GW Report\[Table 3_Field_Parameter Summary.xls]Table 3

Table 4. Historical Target Compound Detections
Annual Groundwater Report - April 2019
Stoughton City Landfill / SCS Engineers Project #25219092.00

Shallow Monitoring Wells				
	Current Event Concentration (µg/L)		Historical Range (µg/L)	
Well	DCDFM	THF	DCDFM	THF
MW9S	16	ND	22-400	ND-22
MW10S	ND	ND	ND-20	ND-20
MW14S	ND	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	ND	ND	0.92-10	ND-4.0
MW9I	16	ND	12-340	ND-12
MW9B	1.5 J	ND	2.3-25	ND-2.4
MW10I	5.8	ND	ND-280	ND-21
MW14I	ND	ND	2.1-590	ND-2.4

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

Historical range includes 9 rounds of sampling performed 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:	ZTW	Date:	5/23/2019
Checked by:	MP	Date:	6/7/2019

I:\25219092.00\Deliverables\Annual GW Report\[Table 4_Historical_Target_Compound_Detections_April_2019.xlsx]GW Natural Attenuation

Sheet 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
RIP-RAP
24" RCP
AMUNDSON PARKWAY
GUY WIRES
BM#1
N02°54'40"W
667.82'
N02°04'20"W
1143.57'
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-21
CP-19
CP-5
GMP-1
GMP-3
872.63
MW-6D
MW-6S
MW-2S
MW-2D
MW-1D
MW-1S
MW-11D
MW-11I
MW-11S
MW-5S
845.72
MW-5D
OW-04
845.14
MW-9I
845.68
MW-9S
MW-9B
844.88
EW-01
OW-01
(ABANDONED)
OW-03
OW-02
MW-13S
MW-13I
853.02
MW-13D
(ABANDONED)
MW-14D
MW-14S
845.20
MW-14I
844.98
MW-4S
MW-4D
845.38
MW-3S
MW-3D
845.85
MW-3B
WEST GATE
LANDS OWNED BY THE CITY OF STOUGHTON
MW-15S
MW-15I
MW-15D
MW-8S
MW-8I
845.67
MW-8B
843.79
MW-10S
845.86
MW-10I
MW-10D
(ABANDONED)
MW-7S
MW-7I
843.99
MW-7B
(ABANDONED)
GRAVEL DRIVE
EXISTING CONDOMINIUM COMPLEX
PROPERTY OWNER:
SKAALEN SUNSET HOME INC.
400 NORTH MORRIS STREET
STOUGHTON, WI 53589
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.
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
375+00
374+00
373+00
372+00
N
60 0 60
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

PROJECT NO.	25216022.00	DRAWN BY:	AHB
DRAWN:	06/06/00	CHECKED BY:	SS
REVISED:	05/26/16	APPROVED BY:	LAB 05/31/16

Appendix A

Laboratory Analytical Reports

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 500-162370-1
Client Project/Site: Stoughton LF #25216022

For:
SCS Engineers
2830 Dairy Dr
Madison, Wisconsin 53718

Attn: Mr. Tony Kollasch

Authorized for release by:
5/9/2019 6:11:58 PM
Jim Knapp, Project Manager II
(630)758-0262
jim.knapp@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

Job ID: 500-162370-1

Job ID: 500-162370-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-162370-1

Comments
No additional comments.

Receipt
The samples were received on 4/27/2019 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.4° C.

GC/MS VOA
The laboratory control sample (LCS) for 484003 recovered outside control limits for the following analyte: Methyl tert-butyl ether. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) for 484267 recovered outside control limits for the following analyte: Methyl tert-butyl ether. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) for 484122 recovered outside control limits for the following analyte: Bromomethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) 29C0507P associated with batch 484122 recovered above the upper control limit for Bromomethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: MW14S (500-162370-5), MW14I (500-162370-6), MW10I (500-162370-7), MW14I DUP (500-162370-8), 01 FB (500-162370-9) and TB (500-162370-10).

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

Job ID: 500-162370-1

Client Sample ID: MW9S — Lab Sample ID: 500-162370-1

Analyte	Result	Qualifier	RL	LOD	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	16		3.0	0.67	ug/L	1		8260B	Total/NA
Dichlorofluoromethane	22		1.0	0.38	ug/L	1		8260B	Total/NA
Trichloroethene	0.41	J	0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW9I — Lab Sample ID: 500-162370-2

Analyte	Result	Qualifier	RL	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.52	J	1.0	0.41	ug/L	1		8260B	Total/NA
Dichlorodifluoromethane	16		3.0	0.67	ug/L	1		8260B	Total/NA
Dichlorofluoromethane	16		1.0	0.38	ug/L	1		8260B	Total/NA
Trichloroethene	0.77		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW9B — Lab Sample ID: 500-162370-3

Analyte	Result	Qualifier	RL	LOD	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.5	J	3.0	0.67	ug/L	1		8260B	Total/NA
Dichlorofluoromethane	0.76	J	1.0	0.38	ug/L	1		8260B	Total/NA

Client Sample ID: MW10S — Lab Sample ID: 500-162370-4

No Detections.

Client Sample ID: MW14S — Lab Sample ID: 500-162370-5

Analyte	Result	Qualifier	RL	LOD	Unit	Dil Fac	D	Method	Prep Type
Dichlorofluoromethane	2.8		1.0	0.38	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.81	J	1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: MW14I — Lab Sample ID: 500-162370-6

Analyte	Result	Qualifier	RL	LOD	Unit	Dil Fac	D	Method	Prep Type
Dichlorofluoromethane	9.4		1.0	0.38	ug/L	1		8260B	Total/NA

Client Sample ID: MW10I — Lab Sample ID: 500-162370-7

Analyte	Result	Qualifier	RL	LOD	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	5.8		3.0	0.67	ug/L	1		8260B	Total/NA
Dichlorofluoromethane	6.8		1.0	0.38	ug/L	1		8260B	Total/NA
Tetrachloroethene	3.2		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: MW14I DUP — Lab Sample ID: 500-162370-8

Analyte	Result	Qualifier	RL	LOD	Unit	Dil Fac	D	Method	Prep Type
Dichlorofluoromethane	9.6		1.0	0.38	ug/L	1		8260B	Total/NA
Trichloroethene	0.18	J	0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: 01 FB — Lab Sample ID: 500-162370-9

No Detections.

Client Sample ID: TB — Lab Sample ID: 500-162370-10

Analyte	Result	Qualifier	RL	LOD	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.19	J	0.50	0.15	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

Job ID: 500-162370-1

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

Sample Summary

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

Job ID: 500-162370-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-162370-1	MW9S	Water	04/25/19 10:25	04/27/19 10:00
500-162370-2	MW9I	Water	04/25/19 10:40	04/27/19 10:00
500-162370-3	MW9B	Water	04/25/19 10:50	04/27/19 10:00
500-162370-4	MW10S	Water	04/25/19 15:20	04/27/19 10:00
500-162370-5	MW14S	Water	04/25/19 14:30	04/27/19 10:00
500-162370-6	MW14I	Water	04/25/19 14:45	04/27/19 10:00
500-162370-7	MW10I	Water	04/26/19 09:00	04/27/19 10:00
500-162370-8	MW14I DUP	Water	04/25/19 14:45	04/27/19 10:00
500-162370-9	01 FB	Water	04/25/19 00:00	04/27/19 10:00
500-162370-10	TB	Water	04/25/19 00:00	04/27/19 10:00

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

Job ID: 500-162370-1

Client Sample ID: MW9S
Date Collected: 04/25/19 10:25
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162370-1
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			05/08/19 14:06	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/08/19 14:06	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/08/19 14:06	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/08/19 14:06	1
Bromoform	<0.48		1.0	0.48	ug/L			05/08/19 14:06	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/08/19 14:06	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/08/19 14:06	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/08/19 14:06	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/08/19 14:06	1
Chloroform	<0.37		2.0	0.37	ug/L			05/08/19 14:06	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/08/19 14:06	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/08/19 14:06	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/08/19 14:06	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/08/19 14:06	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/08/19 14:06	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/08/19 14:06	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/08/19 14:06	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/08/19 14:06	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/08/19 14:06	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/08/19 14:06	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/08/19 14:06	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/08/19 14:06	1
Dichlorodifluoromethane	**16**		3.0	0.67	ug/L			05/08/19 14:06	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/08/19 14:06	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/08/19 14:06	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/08/19 14:06	1
Dichlorofluoromethane	**22**		1.0	0.38	ug/L			05/08/19 14:06	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/08/19 14:06	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/08/19 14:06	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/08/19 14:06	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/08/19 14:06	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/08/19 14:06	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/08/19 14:06	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/08/19 14:06	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/08/19 14:06	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/08/19 14:06	1
Methyl tert-butyl ether	<0.39	*	1.0	0.39	ug/L			05/08/19 14:06	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/08/19 14:06	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/08/19 14:06	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/08/19 14:06	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/08/19 14:06	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/19 14:06	1
Styrene	<0.39		1.0	0.39	ug/L			05/08/19 14:06	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/19 14:06	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/08/19 14:06	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/08/19 14:06	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/08/19 14:06	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/08/19 14:06	1
Toluene	<0.15		0.50	0.15	ug/L			05/08/19 14:06	1

Client Sample ID: MW9S

Lab Sample ID: 500-162370-1

Date Collected: 04/25/19 10:25

Matrix: Water

Date Received: 04/27/19 10:00

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			05/08/19 14:06	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/08/19 14:06	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/08/19 14:06	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/08/19 14:06	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/08/19 14:06	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/08/19 14:06	1
Trichloroethene	**0.41**	**J**	0.50	0.16	ug/L			05/08/19 14:06	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/08/19 14:06	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/08/19 14:06	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/08/19 14:06	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/08/19 14:06	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/08/19 14:06	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/08/19 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*72 - 124*		*05/08/19 14:06*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*05/08/19 14:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*75 - 126*		*05/08/19 14:06*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/08/19 14:06*	*1*

Client Sample ID: MW9I

Lab Sample ID: 500-162370-2

Date Collected: 04/25/19 10:40

Matrix: Water

Date Received: 04/27/19 10:00

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			05/08/19 14:33	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/08/19 14:33	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/08/19 14:33	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/08/19 14:33	1
Bromoform	<0.48		1.0	0.48	ug/L			05/08/19 14:33	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/08/19 14:33	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/08/19 14:33	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/08/19 14:33	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/08/19 14:33	1
Chloroform	<0.37		2.0	0.37	ug/L			05/08/19 14:33	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/08/19 14:33	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/08/19 14:33	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/08/19 14:33	1
cis-1,2-Dichloroethene	**0.52**	**J**	1.0	0.41	ug/L			05/08/19 14:33	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/08/19 14:33	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/08/19 14:33	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/08/19 14:33	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/08/19 14:33	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/08/19 14:33	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/08/19 14:33	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/08/19 14:33	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/08/19 14:33	1
Dichlorodifluoromethane	**16**		3.0	0.67	ug/L			05/08/19 14:33	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/08/19 14:33	1

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

Job ID: 500-162370-1

Client Sample ID: MW9I
Date Collected: 04/25/19 10:40
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162370-2
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			05/08/19 14:33	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/08/19 14:33	1
Dichlorofluoromethane	**16**		1.0	0.38	ug/L			05/08/19 14:33	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/08/19 14:33	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/08/19 14:33	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/08/19 14:33	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/08/19 14:33	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/08/19 14:33	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/08/19 14:33	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/08/19 14:33	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/08/19 14:33	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/08/19 14:33	1
Methyl tert-butyl ether	<0.39	*	1.0	0.39	ug/L			05/08/19 14:33	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/08/19 14:33	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/08/19 14:33	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/08/19 14:33	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/08/19 14:33	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/19 14:33	1
Styrene	<0.39		1.0	0.39	ug/L			05/08/19 14:33	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/19 14:33	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/08/19 14:33	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/08/19 14:33	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/08/19 14:33	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/08/19 14:33	1
Toluene	<0.15		0.50	0.15	ug/L			05/08/19 14:33	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/08/19 14:33	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/08/19 14:33	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/08/19 14:33	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/08/19 14:33	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/08/19 14:33	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/08/19 14:33	1
Trichloroethene	**0.77**		0.50	0.16	ug/L			05/08/19 14:33	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/08/19 14:33	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/08/19 14:33	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/08/19 14:33	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/08/19 14:33	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/08/19 14:33	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/08/19 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*72 - 124*		*05/08/19 14:33*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*05/08/19 14:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*75 - 126*		*05/08/19 14:33*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/08/19 14:33*	*1*

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

Job ID: 500-162370-1

Client Sample ID: MW9B
Date Collected: 04/25/19 10:50
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162370-3
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			05/07/19 20:29	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/07/19 20:29	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/07/19 20:29	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/07/19 20:29	1
Bromoform	<0.48		1.0	0.48	ug/L			05/07/19 20:29	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/07/19 20:29	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/07/19 20:29	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/07/19 20:29	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/07/19 20:29	1
Chloroform	<0.37		2.0	0.37	ug/L			05/07/19 20:29	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/07/19 20:29	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/07/19 20:29	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/07/19 20:29	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/07/19 20:29	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/07/19 20:29	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/07/19 20:29	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/07/19 20:29	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/07/19 20:29	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/07/19 20:29	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/07/19 20:29	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/07/19 20:29	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/07/19 20:29	1
Dichlorodifluoromethane	**1.5**	**J**	3.0	0.67	ug/L			05/07/19 20:29	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/07/19 20:29	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/07/19 20:29	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/07/19 20:29	1
Dichlorofluoromethane	**0.76**	**J**	1.0	0.38	ug/L			05/07/19 20:29	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/07/19 20:29	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/07/19 20:29	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/07/19 20:29	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/07/19 20:29	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/07/19 20:29	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/07/19 20:29	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/07/19 20:29	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/07/19 20:29	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/07/19 20:29	1
Methyl tert-butyl ether	<0.39	*	1.0	0.39	ug/L			05/07/19 20:29	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/07/19 20:29	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/07/19 20:29	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/07/19 20:29	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/07/19 20:29	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/07/19 20:29	1
Styrene	<0.39		1.0	0.39	ug/L			05/07/19 20:29	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/07/19 20:29	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/07/19 20:29	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/07/19 20:29	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/07/19 20:29	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/07/19 20:29	1
Toluene	<0.15		0.50	0.15	ug/L			05/07/19 20:29	1

Client Sample ID: MW9B

Date Collected: 04/25/19 10:50
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162370-3
Matrix: Water

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			05/07/19 20:29	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/07/19 20:29	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/07/19 20:29	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/07/19 20:29	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/07/19 20:29	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/07/19 20:29	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/07/19 20:29	1
Trichlorofluoromethane	<0.43	*	1.0	0.43	ug/L			05/07/19 20:29	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/07/19 20:29	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/07/19 20:29	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/07/19 20:29	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/07/19 20:29	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/07/19 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*		*05/07/19 20:29*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*05/07/19 20:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*		*05/07/19 20:29*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/07/19 20:29*	*1*

Client Sample ID: MW10S

Date Collected: 04/25/19 15:20
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162370-4
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			05/07/19 20:55	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/07/19 20:55	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/07/19 20:55	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/07/19 20:55	1
Bromoform	<0.48		1.0	0.48	ug/L			05/07/19 20:55	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/07/19 20:55	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/07/19 20:55	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/07/19 20:55	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/07/19 20:55	1
Chloroform	<0.37		2.0	0.37	ug/L			05/07/19 20:55	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/07/19 20:55	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/07/19 20:55	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/07/19 20:55	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/07/19 20:55	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/07/19 20:55	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/07/19 20:55	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/07/19 20:55	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/07/19 20:55	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/07/19 20:55	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/07/19 20:55	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/07/19 20:55	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/07/19 20:55	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/07/19 20:55	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/07/19 20:55	1

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

Job ID: 500-162370-1

Client Sample ID: MW10S
Date Collected: 04/25/19 15:20
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162370-4
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			05/07/19 20:55	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/07/19 20:55	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			05/07/19 20:55	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/07/19 20:55	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/07/19 20:55	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/07/19 20:55	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/07/19 20:55	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/07/19 20:55	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/07/19 20:55	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/07/19 20:55	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/07/19 20:55	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/07/19 20:55	1
Methyl tert-butyl ether	<0.39	*	1.0	0.39	ug/L			05/07/19 20:55	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/07/19 20:55	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/07/19 20:55	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/07/19 20:55	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/07/19 20:55	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/07/19 20:55	1
Styrene	<0.39		1.0	0.39	ug/L			05/07/19 20:55	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/07/19 20:55	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/07/19 20:55	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/07/19 20:55	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/07/19 20:55	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/07/19 20:55	1
Toluene	<0.15		0.50	0.15	ug/L			05/07/19 20:55	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/07/19 20:55	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/07/19 20:55	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/07/19 20:55	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/07/19 20:55	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/07/19 20:55	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/07/19 20:55	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/07/19 20:55	1
Trichlorofluoromethane	<0.43	*	1.0	0.43	ug/L			05/07/19 20:55	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/07/19 20:55	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/07/19 20:55	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/07/19 20:55	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/07/19 20:55	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/07/19 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*		*05/07/19 20:55*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*05/07/19 20:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*05/07/19 20:55*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/07/19 20:55*	*1*

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

Job ID: 500-162370-1

Client Sample ID: MW14S
Date Collected: 04/25/19 14:30
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162370-5
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			05/08/19 01:14	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/08/19 01:14	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/08/19 01:14	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/08/19 01:14	1
Bromoform	<0.48		1.0	0.48	ug/L			05/08/19 01:14	1
Bromomethane	<0.80	* ^c	3.0	0.80	ug/L			05/08/19 01:14	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/08/19 01:14	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/08/19 01:14	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/08/19 01:14	1
Chloroform	<0.37		2.0	0.37	ug/L			05/08/19 01:14	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/08/19 01:14	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/08/19 01:14	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/08/19 01:14	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/08/19 01:14	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/08/19 01:14	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/08/19 01:14	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/08/19 01:14	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/08/19 01:14	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/08/19 01:14	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/08/19 01:14	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/08/19 01:14	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/08/19 01:14	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/08/19 01:14	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/08/19 01:14	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/08/19 01:14	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/08/19 01:14	1
Dichlorofluoromethane	**2.8**		1.0	0.38	ug/L			05/08/19 01:14	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/08/19 01:14	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/08/19 01:14	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/08/19 01:14	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/08/19 01:14	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/08/19 01:14	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/08/19 01:14	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/08/19 01:14	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/08/19 01:14	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/08/19 01:14	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/08/19 01:14	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/08/19 01:14	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/08/19 01:14	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/08/19 01:14	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/08/19 01:14	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/19 01:14	1
Styrene	<0.39		1.0	0.39	ug/L			05/08/19 01:14	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/19 01:14	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/08/19 01:14	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/08/19 01:14	1
Tetrachloroethene	**0.81**	**J**	1.0	0.37	ug/L			05/08/19 01:14	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/08/19 01:14	1
Toluene	<0.15		0.50	0.15	ug/L			05/08/19 01:14	1

Client Sample ID: MW14S

Date Collected: 04/25/19 14:30
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162370-5
Matrix: Water

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			05/08/19 01:14	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/08/19 01:14	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/08/19 01:14	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/08/19 01:14	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/08/19 01:14	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/08/19 01:14	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/08/19 01:14	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/08/19 01:14	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/08/19 01:14	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/08/19 01:14	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/08/19 01:14	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/08/19 01:14	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/08/19 01:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*05/08/19 01:14*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*05/08/19 01:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*		*05/08/19 01:14*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/08/19 01:14*	*1*

Client Sample ID: MW14I

Date Collected: 04/25/19 14:45
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162370-6
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			05/08/19 01:40	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/08/19 01:40	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/08/19 01:40	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/08/19 01:40	1
Bromoform	<0.48		1.0	0.48	ug/L			05/08/19 01:40	1
Bromomethane	<0.80	* ^c	3.0	0.80	ug/L			05/08/19 01:40	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/08/19 01:40	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/08/19 01:40	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/08/19 01:40	1
Chloroform	<0.37		2.0	0.37	ug/L			05/08/19 01:40	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/08/19 01:40	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/08/19 01:40	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/08/19 01:40	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/08/19 01:40	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/08/19 01:40	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/08/19 01:40	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/08/19 01:40	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/08/19 01:40	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/08/19 01:40	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/08/19 01:40	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/08/19 01:40	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/08/19 01:40	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/08/19 01:40	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/08/19 01:40	1

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

Job ID: 500-162370-1

Client Sample ID: MW14I
Date Collected: 04/25/19 14:45
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162370-6
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			05/08/19 01:40	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/08/19 01:40	1
Dichlorofluoromethane	**9.4**		1.0	0.38	ug/L			05/08/19 01:40	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/08/19 01:40	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/08/19 01:40	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/08/19 01:40	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/08/19 01:40	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/08/19 01:40	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/08/19 01:40	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/08/19 01:40	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/08/19 01:40	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/08/19 01:40	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/08/19 01:40	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/08/19 01:40	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/08/19 01:40	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/08/19 01:40	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/08/19 01:40	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/19 01:40	1
Styrene	<0.39		1.0	0.39	ug/L			05/08/19 01:40	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/19 01:40	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/08/19 01:40	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/08/19 01:40	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/08/19 01:40	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/08/19 01:40	1
Toluene	<0.15		0.50	0.15	ug/L			05/08/19 01:40	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/08/19 01:40	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/08/19 01:40	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/08/19 01:40	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/08/19 01:40	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/08/19 01:40	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/08/19 01:40	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/08/19 01:40	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/08/19 01:40	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/08/19 01:40	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/08/19 01:40	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/08/19 01:40	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/08/19 01:40	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/08/19 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*05/08/19 01:40*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*05/08/19 01:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*		*05/08/19 01:40*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/08/19 01:40*	*1*

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

Job ID: 500-162370-1

Client Sample ID: MW10I
Date Collected: 04/26/19 09:00
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162370-7
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			05/08/19 02:05	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/08/19 02:05	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/08/19 02:05	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/08/19 02:05	1
Bromoform	<0.48		1.0	0.48	ug/L			05/08/19 02:05	1
Bromomethane	<0.80	* ^c	3.0	0.80	ug/L			05/08/19 02:05	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/08/19 02:05	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/08/19 02:05	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/08/19 02:05	1
Chloroform	<0.37		2.0	0.37	ug/L			05/08/19 02:05	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/08/19 02:05	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/08/19 02:05	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/08/19 02:05	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/08/19 02:05	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/08/19 02:05	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/08/19 02:05	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/08/19 02:05	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/08/19 02:05	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/08/19 02:05	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/08/19 02:05	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/08/19 02:05	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/08/19 02:05	1
Dichlorodifluoromethane	**5.8**		3.0	0.67	ug/L			05/08/19 02:05	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/08/19 02:05	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/08/19 02:05	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/08/19 02:05	1
Dichlorofluoromethane	**6.8**		1.0	0.38	ug/L			05/08/19 02:05	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/08/19 02:05	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/08/19 02:05	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/08/19 02:05	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/08/19 02:05	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/08/19 02:05	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/08/19 02:05	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/08/19 02:05	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/08/19 02:05	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/08/19 02:05	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/08/19 02:05	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/08/19 02:05	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/08/19 02:05	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/08/19 02:05	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/08/19 02:05	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/19 02:05	1
Styrene	<0.39		1.0	0.39	ug/L			05/08/19 02:05	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/19 02:05	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/08/19 02:05	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/08/19 02:05	1
Tetrachloroethene	**3.2**		1.0	0.37	ug/L			05/08/19 02:05	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/08/19 02:05	1
Toluene	<0.15		0.50	0.15	ug/L			05/08/19 02:05	1

Client Sample ID: MW10I

Lab Sample ID: 500-162370-7

Date Collected: 04/26/19 09:00

Matrix: Water

Date Received: 04/27/19 10:00

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			05/08/19 02:05	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/08/19 02:05	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/08/19 02:05	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/08/19 02:05	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/08/19 02:05	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/08/19 02:05	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/08/19 02:05	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/08/19 02:05	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/08/19 02:05	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/08/19 02:05	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/08/19 02:05	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/08/19 02:05	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/08/19 02:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*05/08/19 02:05*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*05/08/19 02:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*		*05/08/19 02:05*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/08/19 02:05*	*1*

Client Sample ID: MW14I DUP

Lab Sample ID: 500-162370-8

Date Collected: 04/25/19 14:45

Matrix: Water

Date Received: 04/27/19 10:00

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			05/08/19 02:30	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/08/19 02:30	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/08/19 02:30	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/08/19 02:30	1
Bromoform	<0.48		1.0	0.48	ug/L			05/08/19 02:30	1
Bromomethane	<0.80	* ^c	3.0	0.80	ug/L			05/08/19 02:30	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/08/19 02:30	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/08/19 02:30	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/08/19 02:30	1
Chloroform	<0.37		2.0	0.37	ug/L			05/08/19 02:30	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/08/19 02:30	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/08/19 02:30	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/08/19 02:30	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/08/19 02:30	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/08/19 02:30	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/08/19 02:30	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/08/19 02:30	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/08/19 02:30	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/08/19 02:30	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/08/19 02:30	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/08/19 02:30	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/08/19 02:30	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/08/19 02:30	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/08/19 02:30	1

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

Job ID: 500-162370-1

Client Sample ID: MW14I DUP
Date Collected: 04/25/19 14:45
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162370-8
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			05/08/19 02:30	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/08/19 02:30	1
Dichlorofluoromethane	**9.6**		1.0	0.38	ug/L			05/08/19 02:30	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/08/19 02:30	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/08/19 02:30	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/08/19 02:30	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/08/19 02:30	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/08/19 02:30	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/08/19 02:30	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/08/19 02:30	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/08/19 02:30	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/08/19 02:30	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/08/19 02:30	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/08/19 02:30	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/08/19 02:30	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/08/19 02:30	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/08/19 02:30	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/19 02:30	1
Styrene	<0.39		1.0	0.39	ug/L			05/08/19 02:30	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/19 02:30	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/08/19 02:30	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/08/19 02:30	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/08/19 02:30	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/08/19 02:30	1
Toluene	<0.15		0.50	0.15	ug/L			05/08/19 02:30	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/08/19 02:30	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/08/19 02:30	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/08/19 02:30	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/08/19 02:30	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/08/19 02:30	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/08/19 02:30	1
Trichloroethene	**0.18**	**J**	0.50	0.16	ug/L			05/08/19 02:30	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/08/19 02:30	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/08/19 02:30	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/08/19 02:30	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/08/19 02:30	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/08/19 02:30	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/08/19 02:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*05/08/19 02:30*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*05/08/19 02:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*05/08/19 02:30*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/08/19 02:30*	*1*

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

Job ID: 500-162370-1

Client Sample ID: 01 FB
Date Collected: 04/25/19 00:00
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162370-9
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			05/08/19 02:56	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/08/19 02:56	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/08/19 02:56	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/08/19 02:56	1
Bromoform	<0.48		1.0	0.48	ug/L			05/08/19 02:56	1
Bromomethane	<0.80	* ^c	3.0	0.80	ug/L			05/08/19 02:56	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/08/19 02:56	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/08/19 02:56	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/08/19 02:56	1
Chloroform	<0.37		2.0	0.37	ug/L			05/08/19 02:56	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/08/19 02:56	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/08/19 02:56	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/08/19 02:56	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/08/19 02:56	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/08/19 02:56	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/08/19 02:56	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/08/19 02:56	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/08/19 02:56	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/08/19 02:56	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/08/19 02:56	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/08/19 02:56	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/08/19 02:56	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/08/19 02:56	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/08/19 02:56	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/08/19 02:56	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/08/19 02:56	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			05/08/19 02:56	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/08/19 02:56	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/08/19 02:56	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/08/19 02:56	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/08/19 02:56	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/08/19 02:56	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/08/19 02:56	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/08/19 02:56	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/08/19 02:56	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/08/19 02:56	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/08/19 02:56	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/08/19 02:56	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/08/19 02:56	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/08/19 02:56	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/08/19 02:56	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/19 02:56	1
Styrene	<0.39		1.0	0.39	ug/L			05/08/19 02:56	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/19 02:56	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/08/19 02:56	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/08/19 02:56	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/08/19 02:56	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/08/19 02:56	1
Toluene	<0.15		0.50	0.15	ug/L			05/08/19 02:56	1

Client Sample ID: 01 FB

Lab Sample ID: 500-162370-9

Date Collected: 04/25/19 00:00

Matrix: Water

Date Received: 04/27/19 10:00

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			05/08/19 02:56	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/08/19 02:56	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/08/19 02:56	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/08/19 02:56	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/08/19 02:56	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/08/19 02:56	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/08/19 02:56	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/08/19 02:56	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/08/19 02:56	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/08/19 02:56	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/08/19 02:56	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/08/19 02:56	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/08/19 02:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*05/08/19 02:56*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*05/08/19 02:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*05/08/19 02:56*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/08/19 02:56*	*1*

Client Sample ID: TB

Lab Sample ID: 500-162370-10

Date Collected: 04/25/19 00:00

Matrix: Water

Date Received: 04/27/19 10:00

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			05/08/19 00:23	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/08/19 00:23	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/08/19 00:23	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/08/19 00:23	1
Bromoform	<0.48		1.0	0.48	ug/L			05/08/19 00:23	1
Bromomethane	<0.80	* ^c	3.0	0.80	ug/L			05/08/19 00:23	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/08/19 00:23	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/08/19 00:23	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/08/19 00:23	1
Chloroform	<0.37		2.0	0.37	ug/L			05/08/19 00:23	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/08/19 00:23	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/08/19 00:23	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/08/19 00:23	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/08/19 00:23	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/08/19 00:23	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/08/19 00:23	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/08/19 00:23	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/08/19 00:23	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/08/19 00:23	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/08/19 00:23	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/08/19 00:23	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/08/19 00:23	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/08/19 00:23	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/08/19 00:23	1

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

Job ID: 500-162370-1

Client Sample ID: TB
Date Collected: 04/25/19 00:00
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162370-10
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			05/08/19 00:23	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/08/19 00:23	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			05/08/19 00:23	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/08/19 00:23	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/08/19 00:23	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/08/19 00:23	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/08/19 00:23	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/08/19 00:23	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/08/19 00:23	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/08/19 00:23	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/08/19 00:23	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/08/19 00:23	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/08/19 00:23	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/08/19 00:23	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/08/19 00:23	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/08/19 00:23	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/08/19 00:23	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/19 00:23	1
Styrene	<0.39		1.0	0.39	ug/L			05/08/19 00:23	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/19 00:23	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/08/19 00:23	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/08/19 00:23	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/08/19 00:23	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/08/19 00:23	1
Toluene	**0.19**	**J**	0.50	0.15	ug/L			05/08/19 00:23	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/08/19 00:23	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/08/19 00:23	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/08/19 00:23	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/08/19 00:23	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/08/19 00:23	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/08/19 00:23	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/08/19 00:23	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/08/19 00:23	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/08/19 00:23	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/08/19 00:23	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/08/19 00:23	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/08/19 00:23	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/08/19 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*05/08/19 00:23*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*05/08/19 00:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*05/08/19 00:23*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/08/19 00:23*	*1*

Definitions/Glossary

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

Job ID: 500-162370-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
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

Job ID: 500-162370-1

GC/MS VOA

Analysis Batch: 484003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-162370-3	MW9B	Total/NA	Water	8260B	
500-162370-4	MW10S	Total/NA	Water	8260B	
MB 500-484003/6	Method Blank	Total/NA	Water	8260B	
LCS 500-484003/4	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 484122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-162370-5	MW14S	Total/NA	Water	8260B	
500-162370-6	MW14I	Total/NA	Water	8260B	
500-162370-7	MW10I	Total/NA	Water	8260B	
500-162370-8	MW14I DUP	Total/NA	Water	8260B	
500-162370-9	01 FB	Total/NA	Water	8260B	
500-162370-10	TB	Total/NA	Water	8260B	
MB 500-484122/6	Method Blank	Total/NA	Water	8260B	
LCS 500-484122/4	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 484267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-162370-1	MW9S	Total/NA	Water	8260B	
500-162370-2	MW9I	Total/NA	Water	8260B	
MB 500-484267/6	Method Blank	Total/NA	Water	8260B	
LCS 500-484267/4	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

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

Job ID: 500-162370-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	BFB (72-124)	DBFM (75-120)	DCA (75-126)	TOL (75-120)
500-162370-1	MW9S	114	102	113	95
500-162370-2	MW9I	119	107	117	95
500-162370-3	MW9B	113	99	110	96
500-162370-4	MW10S	113	102	111	97
500-162370-5	MW14S	93	101	106	98
500-162370-6	MW14I	91	101	106	98
500-162370-7	MW10I	92	103	106	98
500-162370-8	MW14I DUP	91	105	108	97
500-162370-9	01 FB	93	105	111	98
500-162370-10	TB	94	100	105	98
LCS 500-484003/4	Lab Control Sample	103	105	105	96
LCS 500-484122/4	Lab Control Sample	93	102	103	98
LCS 500-484267/4	Lab Control Sample	103	105	105	96
MB 500-484003/6	Method Blank	114	102	108	95
MB 500-484122/6	Method Blank	94	102	110	95
MB 500-484267/6	Method Blank	119	101	110	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 500-484003/6
Matrix: Water
Analysis Batch: 484003

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			05/07/19 12:53	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/07/19 12:53	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/07/19 12:53	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/07/19 12:53	1
Bromoform	<0.48		1.0	0.48	ug/L			05/07/19 12:53	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/07/19 12:53	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/07/19 12:53	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/07/19 12:53	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/07/19 12:53	1
Chloroform	<0.37		2.0	0.37	ug/L			05/07/19 12:53	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/07/19 12:53	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/07/19 12:53	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/07/19 12:53	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/07/19 12:53	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/07/19 12:53	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/07/19 12:53	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/07/19 12:53	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/07/19 12:53	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/07/19 12:53	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/07/19 12:53	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/07/19 12:53	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/07/19 12:53	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/07/19 12:53	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/07/19 12:53	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/07/19 12:53	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/07/19 12:53	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			05/07/19 12:53	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/07/19 12:53	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/07/19 12:53	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/07/19 12:53	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/07/19 12:53	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/07/19 12:53	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/07/19 12:53	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/07/19 12:53	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/07/19 12:53	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/07/19 12:53	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/07/19 12:53	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/07/19 12:53	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/07/19 12:53	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/07/19 12:53	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/07/19 12:53	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/07/19 12:53	1
Styrene	<0.39		1.0	0.39	ug/L			05/07/19 12:53	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/07/19 12:53	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/07/19 12:53	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/07/19 12:53	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/07/19 12:53	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/07/19 12:53	1

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

Lab Sample ID: MB 500-484003/6
Matrix: Water
Analysis Batch: 484003

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			05/07/19 12:53	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/07/19 12:53	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/07/19 12:53	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/07/19 12:53	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/07/19 12:53	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/07/19 12:53	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/07/19 12:53	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/07/19 12:53	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/07/19 12:53	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/07/19 12:53	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/07/19 12:53	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/07/19 12:53	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/07/19 12:53	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/07/19 12:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*72 - 124*		*05/07/19 12:53*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*05/07/19 12:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*05/07/19 12:53*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/07/19 12:53*	*1*

Lab Sample ID: LCS 500-484003/4
Matrix: Water
Analysis Batch: 484003

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	50.5		ug/L		101	70 - 120
Bromobenzene	50.0	55.7		ug/L		111	70 - 122
Bromochloromethane	50.0	55.3		ug/L		111	65 - 122
Bromodichloromethane	50.0	53.5		ug/L		107	69 - 120
Bromoform	50.0	53.4		ug/L		107	56 - 132
Bromomethane	50.0	49.6		ug/L		99	40 - 152
Carbon tetrachloride	50.0	56.4		ug/L		113	59 - 133
Chlorobenzene	50.0	53.5		ug/L		107	70 - 120
Chloroethane	50.0	48.2		ug/L		96	48 - 136
Chloroform	50.0	54.6		ug/L		109	70 - 120
Chloromethane	50.0	42.7		ug/L		85	56 - 152
2-Chlorotoluene	50.0	52.7		ug/L		105	70 - 125
4-Chlorotoluene	50.0	52.0		ug/L		104	68 - 124
cis-1,2-Dichloroethene	50.0	52.7		ug/L		105	70 - 125
cis-1,3-Dichloropropene	50.0	49.6		ug/L		99	64 - 127
Dibromochloromethane	50.0	54.1		ug/L		108	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	45.4		ug/L		91	56 - 123
1,2-Dibromoethane	50.0	51.7		ug/L		103	70 - 125
Dibromomethane	50.0	53.5		ug/L		107	70 - 120
1,2-Dichlorobenzene	50.0	52.7		ug/L		105	70 - 125
1,3-Dichlorobenzene	50.0	54.4		ug/L		109	70 - 125
1,4-Dichlorobenzene	50.0	53.5		ug/L		107	70 - 120

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

Lab Sample ID: LCS 500-484003/4
Matrix: Water
Analysis Batch: 484003

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	45.9		ug/L		92	40 - 159
1,1-Dichloroethane	50.0	54.8		ug/L		110	70 - 125
1,2-Dichloroethane	50.0	55.7		ug/L		111	68 - 127
1,1-Dichloroethene	50.0	53.3		ug/L		107	67 - 122
Dichlorofluoromethane	50.0	50.3		ug/L		101	69 - 124
1,2-Dichloropropane	50.0	53.5		ug/L		107	67 - 130
1,3-Dichloropropane	50.0	51.5		ug/L		103	62 - 136
2,2-Dichloropropane	50.0	52.3		ug/L		105	58 - 139
1,1-Dichloropropene	50.0	54.6		ug/L		109	70 - 121
Ethylbenzene	50.0	52.2		ug/L		104	70 - 123
Hexachlorobutadiene	50.0	55.0		ug/L		110	51 - 150
Isopropylbenzene	50.0	51.8		ug/L		104	70 - 126
Methylene Chloride	50.0	51.1		ug/L		102	69 - 125
Methyl tert-butyl ether	50.0	68.7	*	ug/L		137	55 - 123
Naphthalene	50.0	55.6		ug/L		111	53 - 144
n-Butylbenzene	50.0	54.2		ug/L		108	68 - 125
N-Propylbenzene	50.0	53.8		ug/L		108	69 - 127
p-Isopropyltoluene	50.0	54.0		ug/L		108	70 - 125
sec-Butylbenzene	50.0	53.0		ug/L		106	70 - 123
Styrene	50.0	54.9		ug/L		110	70 - 120
tert-Butylbenzene	50.0	53.0		ug/L		106	70 - 121
1,1,1,2-Tetrachloroethane	50.0	54.0		ug/L		108	70 - 125
1,1,2,2-Tetrachloroethane	50.0	45.9		ug/L		92	62 - 140
Tetrachloroethene	50.0	56.7		ug/L		113	70 - 128
Tetrahydrofuran	100	99.8		ug/L		100	59 - 139
Toluene	50.0	47.8		ug/L		96	70 - 125
trans-1,2-Dichloroethene	50.0	52.7		ug/L		105	70 - 125
trans-1,3-Dichloropropene	50.0	50.1		ug/L		100	62 - 128
1,2,3-Trichlorobenzene	50.0	55.6		ug/L		111	51 - 145
1,2,4-Trichlorobenzene	50.0	54.3		ug/L		109	57 - 137
1,1,1-Trichloroethane	50.0	55.5		ug/L		111	70 - 125
1,1,2-Trichloroethane	50.0	49.3		ug/L		99	71 - 130
Trichloroethene	50.0	54.9		ug/L		110	70 - 125
Trichlorofluoromethane	50.0	54.6		ug/L		109	55 - 128
1,2,3-Trichloropropane	50.0	48.5		ug/L		97	50 - 133
1,2,4-Trimethylbenzene	50.0	53.1		ug/L		106	70 - 123
1,3,5-Trimethylbenzene	50.0	51.7		ug/L		103	70 - 123
Vinyl chloride	50.0	43.9		ug/L		88	64 - 126
Xylenes, Total	100	107		ug/L		107	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*
Dibromofluoromethane	*105*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*
Toluene-d8 (Surr)	*96*		*75 - 120*

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

Lab Sample ID: MB 500-484122/6
Matrix: Water
Analysis Batch: 484122

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			05/07/19 23:58	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/07/19 23:58	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/07/19 23:58	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/07/19 23:58	1
Bromoform	<0.48		1.0	0.48	ug/L			05/07/19 23:58	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/07/19 23:58	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/07/19 23:58	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/07/19 23:58	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/07/19 23:58	1
Chloroform	<0.37		2.0	0.37	ug/L			05/07/19 23:58	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/07/19 23:58	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/07/19 23:58	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/07/19 23:58	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/07/19 23:58	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/07/19 23:58	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/07/19 23:58	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/07/19 23:58	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/07/19 23:58	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/07/19 23:58	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/07/19 23:58	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/07/19 23:58	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/07/19 23:58	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/07/19 23:58	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/07/19 23:58	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/07/19 23:58	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/07/19 23:58	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			05/07/19 23:58	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/07/19 23:58	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/07/19 23:58	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/07/19 23:58	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/07/19 23:58	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/07/19 23:58	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/07/19 23:58	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/07/19 23:58	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/07/19 23:58	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/07/19 23:58	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/07/19 23:58	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/07/19 23:58	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/07/19 23:58	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/07/19 23:58	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/07/19 23:58	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/07/19 23:58	1
Styrene	<0.39		1.0	0.39	ug/L			05/07/19 23:58	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/07/19 23:58	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/07/19 23:58	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/07/19 23:58	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/07/19 23:58	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/07/19 23:58	1

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

Lab Sample ID: MB 500-484122/6
Matrix: Water
Analysis Batch: 484122

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			05/07/19 23:58	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/07/19 23:58	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/07/19 23:58	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/07/19 23:58	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/07/19 23:58	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/07/19 23:58	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/07/19 23:58	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/07/19 23:58	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/07/19 23:58	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/07/19 23:58	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/07/19 23:58	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/07/19 23:58	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/07/19 23:58	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/07/19 23:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*05/07/19 23:58*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*05/07/19 23:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*		*05/07/19 23:58*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/07/19 23:58*	*1*

Lab Sample ID: LCS 500-484122/4
Matrix: Water
Analysis Batch: 484122

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	44.8		ug/L		90	70 - 120
Bromobenzene	50.0	47.2		ug/L		94	70 - 122
Bromochloromethane	50.0	51.8		ug/L		104	65 - 122
Bromodichloromethane	50.0	44.8		ug/L		90	69 - 120
Bromoform	50.0	39.0		ug/L		78	56 - 132
Bromomethane	50.0	99.0	*	ug/L		198	40 - 152
Carbon tetrachloride	50.0	42.4		ug/L		85	59 - 133
Chlorobenzene	50.0	47.0		ug/L		94	70 - 120
Chloroethane	50.0	57.3		ug/L		115	48 - 136
Chloroform	50.0	45.2		ug/L		90	70 - 120
Chloromethane	50.0	65.7		ug/L		131	56 - 152
2-Chlorotoluene	50.0	43.1		ug/L		86	70 - 125
4-Chlorotoluene	50.0	43.2		ug/L		86	68 - 124
cis-1,2-Dichloroethene	50.0	47.8		ug/L		96	70 - 125
cis-1,3-Dichloropropene	50.0	41.4		ug/L		83	64 - 127
Dibromochloromethane	50.0	46.5		ug/L		93	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	36.7		ug/L		73	56 - 123
1,2-Dibromoethane	50.0	48.6		ug/L		97	70 - 125
Dibromomethane	50.0	47.2		ug/L		94	70 - 120
1,2-Dichlorobenzene	50.0	47.8		ug/L		96	70 - 125
1,3-Dichlorobenzene	50.0	47.0		ug/L		94	70 - 125
1,4-Dichlorobenzene	50.0	46.9		ug/L		94	70 - 120

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

Lab Sample ID: LCS 500-484122/4
Matrix: Water
Analysis Batch: 484122

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	47.6		ug/L		95	40 - 159
1,1-Dichloroethane	50.0	51.7		ug/L		103	70 - 125
1,2-Dichloroethane	50.0	50.9		ug/L		102	68 - 127
1,1-Dichloroethene	50.0	44.4		ug/L		89	67 - 122
Dichlorofluoromethane	50.0	50.7		ug/L		101	69 - 124
1,2-Dichloropropane	50.0	56.0		ug/L		112	67 - 130
1,3-Dichloropropane	50.0	46.9		ug/L		94	62 - 136
2,2-Dichloropropane	50.0	37.6		ug/L		75	58 - 139
1,1-Dichloropropene	50.0	41.5		ug/L		83	70 - 121
Ethylbenzene	50.0	47.3		ug/L		95	70 - 123
Hexachlorobutadiene	50.0	41.5		ug/L		83	51 - 150
Isopropylbenzene	50.0	43.5		ug/L		87	70 - 126
Methylene Chloride	50.0	48.9		ug/L		98	69 - 125
Methyl tert-butyl ether	50.0	40.9		ug/L		82	55 - 123
Naphthalene	50.0	46.3		ug/L		93	53 - 144
n-Butylbenzene	50.0	43.0		ug/L		86	68 - 125
N-Propylbenzene	50.0	43.7		ug/L		87	69 - 127
p-Isopropyltoluene	50.0	45.3		ug/L		91	70 - 125
sec-Butylbenzene	50.0	43.6		ug/L		87	70 - 123
Styrene	50.0	48.6		ug/L		97	70 - 120
tert-Butylbenzene	50.0	43.6		ug/L		87	70 - 121
1,1,1,2-Tetrachloroethane	50.0	47.6		ug/L		95	70 - 125
1,1,2,2-Tetrachloroethane	50.0	46.9		ug/L		94	62 - 140
Tetrachloroethene	50.0	44.6		ug/L		89	70 - 128
Tetrahydrofuran	100	106		ug/L		106	59 - 139
Toluene	50.0	43.1		ug/L		86	70 - 125
trans-1,2-Dichloroethene	50.0	46.5		ug/L		93	70 - 125
trans-1,3-Dichloropropene	50.0	41.8		ug/L		84	62 - 128
1,2,3-Trichlorobenzene	50.0	47.2		ug/L		94	51 - 145
1,2,4-Trichlorobenzene	50.0	45.0		ug/L		90	57 - 137
1,1,1-Trichloroethane	50.0	42.2		ug/L		84	70 - 125
1,1,2-Trichloroethane	50.0	49.5		ug/L		99	71 - 130
Trichloroethene	50.0	46.1		ug/L		92	70 - 125
Trichlorofluoromethane	50.0	45.9		ug/L		92	55 - 128
1,2,3-Trichloropropane	50.0	49.8		ug/L		100	50 - 133
1,2,4-Trimethylbenzene	50.0	45.6		ug/L		91	70 - 123
1,3,5-Trimethylbenzene	50.0	44.8		ug/L		90	70 - 123
Vinyl chloride	50.0	56.1		ug/L		112	64 - 126
Xylenes, Total	100	92.4		ug/L		92	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*
Dibromofluoromethane	*102*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*
Toluene-d8 (Surr)	*98*		*75 - 120*

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

Lab Sample ID: MB 500-484267/6
Matrix: Water
Analysis Batch: 484267

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			05/08/19 13:39	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/08/19 13:39	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/08/19 13:39	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/08/19 13:39	1
Bromoform	<0.48		1.0	0.48	ug/L			05/08/19 13:39	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/08/19 13:39	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/08/19 13:39	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/08/19 13:39	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/08/19 13:39	1
Chloroform	<0.37		2.0	0.37	ug/L			05/08/19 13:39	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/08/19 13:39	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/08/19 13:39	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/08/19 13:39	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/08/19 13:39	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/08/19 13:39	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/08/19 13:39	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/08/19 13:39	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/08/19 13:39	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/08/19 13:39	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/08/19 13:39	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/08/19 13:39	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/08/19 13:39	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/08/19 13:39	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/08/19 13:39	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/08/19 13:39	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/08/19 13:39	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			05/08/19 13:39	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/08/19 13:39	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/08/19 13:39	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/08/19 13:39	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/08/19 13:39	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/08/19 13:39	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/08/19 13:39	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/08/19 13:39	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/08/19 13:39	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/08/19 13:39	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/08/19 13:39	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/08/19 13:39	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/08/19 13:39	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/08/19 13:39	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/08/19 13:39	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/19 13:39	1
Styrene	<0.39		1.0	0.39	ug/L			05/08/19 13:39	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/08/19 13:39	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/08/19 13:39	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/08/19 13:39	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/08/19 13:39	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/08/19 13:39	1

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

Lab Sample ID: MB 500-484267/6
Matrix: Water
Analysis Batch: 484267

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			05/08/19 13:39	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/08/19 13:39	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/08/19 13:39	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/08/19 13:39	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/08/19 13:39	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/08/19 13:39	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/08/19 13:39	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/08/19 13:39	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/08/19 13:39	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/08/19 13:39	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/08/19 13:39	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/08/19 13:39	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/08/19 13:39	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/08/19 13:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*72 - 124*		*05/08/19 13:39*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*05/08/19 13:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*		*05/08/19 13:39*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/08/19 13:39*	*1*

Lab Sample ID: LCS 500-484267/4
Matrix: Water
Analysis Batch: 484267

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	50.7		ug/L		101	70 - 120
Bromobenzene	50.0	54.4		ug/L		109	70 - 122
Bromochloromethane	50.0	54.1		ug/L		108	65 - 122
Bromodichloromethane	50.0	54.3		ug/L		109	69 - 120
Bromoform	50.0	51.4		ug/L		103	56 - 132
Bromomethane	50.0	51.9		ug/L		104	40 - 152
Carbon tetrachloride	50.0	56.2		ug/L		112	59 - 133
Chlorobenzene	50.0	52.5		ug/L		105	70 - 120
Chloroethane	50.0	50.2		ug/L		100	48 - 136
Chloroform	50.0	53.5		ug/L		107	70 - 120
Chloromethane	50.0	41.0		ug/L		82	56 - 152
2-Chlorotoluene	50.0	51.6		ug/L		103	70 - 125
4-Chlorotoluene	50.0	51.0		ug/L		102	68 - 124
cis-1,2-Dichloroethene	50.0	52.4		ug/L		105	70 - 125
cis-1,3-Dichloropropene	50.0	49.1		ug/L		98	64 - 127
Dibromochloromethane	50.0	52.8		ug/L		106	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	44.7		ug/L		89	56 - 123
1,2-Dibromoethane	50.0	49.8		ug/L		100	70 - 125
Dibromomethane	50.0	52.0		ug/L		104	70 - 120
1,2-Dichlorobenzene	50.0	51.9		ug/L		104	70 - 125
1,3-Dichlorobenzene	50.0	53.2		ug/L		106	70 - 125
1,4-Dichlorobenzene	50.0	52.8		ug/L		106	70 - 120

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

Lab Sample ID: LCS 500-484267/4
Matrix: Water
Analysis Batch: 484267

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	37.5		ug/L		75	40 - 159
1,1-Dichloroethane	50.0	54.5		ug/L		109	70 - 125
1,2-Dichloroethane	50.0	54.4		ug/L		109	68 - 127
1,1-Dichloroethene	50.0	51.0		ug/L		102	67 - 122
Dichlorofluoromethane	50.0	50.0		ug/L		100	69 - 124
1,2-Dichloropropane	50.0	53.9		ug/L		108	67 - 130
1,3-Dichloropropane	50.0	49.3		ug/L		99	62 - 136
2,2-Dichloropropane	50.0	52.8		ug/L		106	58 - 139
1,1-Dichloropropene	50.0	54.4		ug/L		109	70 - 121
Ethylbenzene	50.0	51.5		ug/L		103	70 - 123
Hexachlorobutadiene	50.0	51.0		ug/L		102	51 - 150
Isopropylbenzene	50.0	51.7		ug/L		103	70 - 126
Methylene Chloride	50.0	50.3		ug/L		101	69 - 125
Methyl tert-butyl ether	50.0	68.6	*	ug/L		137	55 - 123
Naphthalene	50.0	53.0		ug/L		106	53 - 144
n-Butylbenzene	50.0	53.2		ug/L		106	68 - 125
N-Propylbenzene	50.0	52.9		ug/L		106	69 - 127
p-Isopropyltoluene	50.0	52.9		ug/L		106	70 - 125
sec-Butylbenzene	50.0	51.7		ug/L		103	70 - 123
Styrene	50.0	54.4		ug/L		109	70 - 120
tert-Butylbenzene	50.0	53.0		ug/L		106	70 - 121
1,1,1,2-Tetrachloroethane	50.0	52.8		ug/L		106	70 - 125
1,1,2,2-Tetrachloroethane	50.0	43.6		ug/L		87	62 - 140
Tetrachloroethene	50.0	54.4		ug/L		109	70 - 128
Tetrahydrofuran	100	96.2		ug/L		96	59 - 139
Toluene	50.0	47.5		ug/L		95	70 - 125
trans-1,2-Dichloroethene	50.0	51.3		ug/L		103	70 - 125
trans-1,3-Dichloropropene	50.0	48.8		ug/L		98	62 - 128
1,2,3-Trichlorobenzene	50.0	53.0		ug/L		106	51 - 145
1,2,4-Trichlorobenzene	50.0	53.0		ug/L		106	57 - 137
1,1,1-Trichloroethane	50.0	55.9		ug/L		112	70 - 125
1,1,2-Trichloroethane	50.0	48.1		ug/L		96	71 - 130
Trichloroethene	50.0	54.1		ug/L		108	70 - 125
Trichlorofluoromethane	50.0	53.8		ug/L		108	55 - 128
1,2,3-Trichloropropane	50.0	46.5		ug/L		93	50 - 133
1,2,4-Trimethylbenzene	50.0	52.7		ug/L		105	70 - 123
1,3,5-Trimethylbenzene	50.0	51.2		ug/L		102	70 - 123
Vinyl chloride	50.0	42.9		ug/L		86	64 - 126
Xylenes, Total	100	106		ug/L		106	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*
Dibromofluoromethane	*105*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*
Toluene-d8 (Surr)	*96*		*75 - 120*

Lab Chronicle

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

Job ID: 500-162370-1

Client Sample ID: MW9S
Date Collected: 04/25/19 10:25
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162370-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	484267	05/08/19 14:06	EMA	TAL CHI

Client Sample ID: MW9I
Date Collected: 04/25/19 10:40
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162370-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	484267	05/08/19 14:33	EMA	TAL CHI

Client Sample ID: MW9B
Date Collected: 04/25/19 10:50
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162370-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	484003	05/07/19 20:29	JLC	TAL CHI

Client Sample ID: MW10S
Date Collected: 04/25/19 15:20
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162370-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	484003	05/07/19 20:55	JLC	TAL CHI

Client Sample ID: MW14S
Date Collected: 04/25/19 14:30
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162370-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	484122	05/08/19 01:14	PMF	TAL CHI

Client Sample ID: MW14I
Date Collected: 04/25/19 14:45
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162370-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	484122	05/08/19 01:40	PMF	TAL CHI

Client Sample ID: MW10I
Date Collected: 04/26/19 09:00
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162370-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	484122	05/08/19 02:05	PMF	TAL CHI

Lab Chronicle

Client: SCS Engineers
Job ID: 500-162370-1
Project/Site: Stoughton LF #25216022

Client Sample ID: MW14I DUP
Lab Sample ID: 500-162370-8
Date Collected: 04/25/19 14:45
Matrix: Water
Date Received: 04/27/19 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	484122	05/08/19 02:30	PMF	TAL CHI

Client Sample ID: 01 FB
Lab Sample ID: 500-162370-9
Date Collected: 04/25/19 00:00
Matrix: Water
Date Received: 04/27/19 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	484122	05/08/19 02:56	PMF	TAL CHI

Client Sample ID: TB
Lab Sample ID: 500-162370-10
Date Collected: 04/25/19 00:00
Matrix: Water
Date Received: 04/27/19 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	484122	05/08/19 00:23	PMF	TAL CHI

Laboratory References:

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

Accreditation/Certification Summary

Client: SCS Engineers
Job ID: 500-162370-1
Project/Site: Stoughton LF #25216022

Laboratory: Eurofins 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	08-31-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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 #: 500-162370

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 0.4

Report To (optional)		Bill To (optional)	
Contact:	Tony Kollasch	Contact:	
Company:	SCS Engineers	Company:	
Address:	2870 Dairy Dr.	Address:	
Address:	Madison WI	Address:	
Phone:	608-216-7381	Phone:	
Fax:		Fax:	
E-Mail:		PO#/Reference#	500-162370 COC

Client	Client Project #	Preservative	1								
SCS	25216022										
Project Name: Stoughton City Landfill		Parameter	VOC (8260B)								
Project Location/State: WI	Lab Project #										
Sampler: Charlie Bills	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	VOC (8260B)	Comments
1		MW9S	4/25/19	1025	3	W	X	
2		MW9I	4/25/19	1040	3	W	X	
3		MW9B	4/25/19	1050	3	W	X	
4		MW10S	4/25/19	1520	3	W	X	
5		MW14S	4/25/19	1430	3	W	X	
6		MW14I	4/25/19	1445	3	W	X	
7		MW10I	4/26/19	0900	3	W	X	
8		MW14I Dup	4/25/19	1445	3	W	X	
9		01 FB			3	W	X	
10		TB						

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard ___ 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
Charlie Bills	SCS	4/26/19	1700	Paula Buckley	TACHI	4/27/19	1000

Lab Courier
Shipped X
Hand Delivered

Matrix Key

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)

5/9/2019

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 500-162370-1

Login Number: 162370
List Number: 1
Creator: Buckley, Paula M

List Source: Eurofins 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	0.4
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	

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 500-162371-1
Client Project/Site: Stoughton LF #25216022

For:
SCS Engineers
2830 Dairy Dr
Madison, Wisconsin 53718

Attn: Mr. Tony Kollasch

Authorized for release by:
5/13/2019 10:25:20 AM

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

Job ID: 500-162371-1

Job ID: 500-162371-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-162371-1

Comments
No additional comments.

Receipt
The samples were received on 4/27/2019 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.4° C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

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

Job ID: 500-162371-1

Client Sample ID: MW3D — Lab Sample ID: 500-162371-1

No Detections.

Client Sample ID: MW4D — Lab Sample ID: 500-162371-2

No Detections.

Client Sample ID: MW5D — Lab Sample ID: 500-162371-3

No Detections.

Client Sample ID: MW7I — Lab Sample ID: 500-162371-4

No Detections.

Client Sample ID: MW8I — Lab Sample ID: 500-162371-5

No Detections.

Client Sample ID: MW13I — Lab Sample ID: 500-162371-6

No Detections.

Client Sample ID: MW13I DUP — Lab Sample ID: 500-162371-7

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

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

Job ID: 500-162371-1

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

Sample Summary

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

Job ID: 500-162371-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-162371-1	MW3D	Water	04/26/19 10:10	04/27/19 10:00
500-162371-2	MW4D	Water	04/26/19 10:20	04/27/19 10:00
500-162371-3	MW5D	Water	04/25/19 15:00	04/27/19 10:00
500-162371-4	MW7I	Water	04/25/19 11:30	04/27/19 10:00
500-162371-5	MW8I	Water	04/25/19 10:50	04/27/19 10:00
500-162371-6	MW13I	Water	04/25/19 13:40	04/27/19 10:00
500-162371-7	MW13I DUP	Water	04/25/19 13:40	04/27/19 10:00

Client Sample ID: MW3D

Lab Sample ID: 500-162371-1

Date Collected: 04/26/19 10:10

Matrix: Water

Date Received: 04/27/19 10:00

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

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/09/19 00:28	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/09/19 00:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*05/09/19 00:28*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*05/09/19 00:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*05/09/19 00:28*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*05/09/19 00:28*	*1*

Client Sample ID: MW4D

Lab Sample ID: 500-162371-2

Date Collected: 04/26/19 10:20

Matrix: Water

Date Received: 04/27/19 10:00

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

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/09/19 00:53	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/09/19 00:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*05/09/19 00:53*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*05/09/19 00:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*05/09/19 00:53*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*05/09/19 00:53*	*1*

Client Sample ID: MW5D

Lab Sample ID: 500-162371-3

Date Collected: 04/25/19 15:00

Matrix: Water

Date Received: 04/27/19 10:00

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

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/09/19 01:19	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/09/19 01:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*05/09/19 01:19*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*05/09/19 01:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*05/09/19 01:19*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*05/09/19 01:19*	*1*

Client Sample ID: MW7I

Lab Sample ID: 500-162371-4

Date Collected: 04/25/19 11:30

Matrix: Water

Date Received: 04/27/19 10:00

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

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/09/19 01:44	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/09/19 01:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*05/09/19 01:44*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*05/09/19 01:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*05/09/19 01:44*	*1*

Client Sample ID: MW7I
Date Collected: 04/25/19 11:30
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162371-4
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*75 - 120*		*05/09/19 01:44*	*1*

Client Sample ID: MW8I
Date Collected: 04/25/19 10:50
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162371-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/09/19 02:09	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/09/19 02:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*05/09/19 02:09*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*05/09/19 02:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*05/09/19 02:09*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*05/09/19 02:09*	*1*

Client Sample ID: MW13I
Date Collected: 04/25/19 13:40
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162371-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/09/19 02:35	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/09/19 02:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*05/09/19 02:35*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*05/09/19 02:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*05/09/19 02:35*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/09/19 02:35*	*1*

Client Sample ID: MW13I DUP
Date Collected: 04/25/19 13:40
Date Received: 04/27/19 10:00

Lab Sample ID: 500-162371-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/09/19 03:00	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/09/19 03:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*05/09/19 03:00*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*05/09/19 03:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*05/09/19 03:00*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/09/19 03:00*	*1*

Definitions/Glossary

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

Job ID: 500-162371-1

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

Job ID: 500-162371-1

GC/MS VOA

Analysis Batch: 484348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-162371-1	MW3D	Total/NA	Water	8260B	
500-162371-2	MW4D	Total/NA	Water	8260B	
500-162371-3	MW5D	Total/NA	Water	8260B	
500-162371-4	MW7I	Total/NA	Water	8260B	
500-162371-5	MW8I	Total/NA	Water	8260B	
500-162371-6	MW13I	Total/NA	Water	8260B	
500-162371-7	MW13I DUP	Total/NA	Water	8260B	
MB 500-484348/6	Method Blank	Total/NA	Water	8260B	
LCS 500-484348/4	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

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

Job ID: 500-162371-1

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)
500-162371-1	MW3D	89	99	99	102
500-162371-2	MW4D	93	99	103	100
500-162371-3	MW5D	93	99	103	99
500-162371-4	MW7I	93	100	103	100
500-162371-5	MW8I	92	101	102	101
500-162371-6	MW13I	91	102	104	98
500-162371-7	MW13I DUP	93	101	104	98
LCS 500-484348/4	Lab Control Sample	95	100	102	100
MB 500-484348/6	Method Blank	95	102	105	99

Surrogate Legend

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

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

Job ID: 500-162371-1

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

Lab Sample ID: MB 500-484348/6
Matrix: Water
Analysis Batch: 484348

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

Analyte	MB Result	MB Qualifier	RL	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/08/19 23:37	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/08/19 23:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*05/08/19 23:37*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*05/08/19 23:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*05/08/19 23:37*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*05/08/19 23:37*	*1*

Lab Sample ID: LCS 500-484348/4
Matrix: Water
Analysis Batch: 484348

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	44.1		ug/L		88	40 - 159		
Tetrahydrofuran			100	101		ug/L		101	59 - 139		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*
Dibromofluoromethane	*100*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*
Toluene-d8 (Surr)	*100*		*75 - 120*

Lab Chronicle

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

Job ID: 500-162371-1

Client Sample ID: MW3D
Lab Sample ID: 500-162371-1
Date Collected: 04/26/19 10:10
Matrix: Water
Date Received: 04/27/19 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	484348	05/09/19 00:28	PMF	TAL CHI

Client Sample ID: MW4D
Lab Sample ID: 500-162371-2
Date Collected: 04/26/19 10:20
Matrix: Water
Date Received: 04/27/19 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	484348	05/09/19 00:53	PMF	TAL CHI

Client Sample ID: MW5D
Lab Sample ID: 500-162371-3
Date Collected: 04/25/19 15:00
Matrix: Water
Date Received: 04/27/19 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	484348	05/09/19 01:19	PMF	TAL CHI

Client Sample ID: MW7I
Lab Sample ID: 500-162371-4
Date Collected: 04/25/19 11:30
Matrix: Water
Date Received: 04/27/19 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	484348	05/09/19 01:44	PMF	TAL CHI

Client Sample ID: MW8I
Lab Sample ID: 500-162371-5
Date Collected: 04/25/19 10:50
Matrix: Water
Date Received: 04/27/19 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	484348	05/09/19 02:09	PMF	TAL CHI

Client Sample ID: MW13I
Lab Sample ID: 500-162371-6
Date Collected: 04/25/19 13:40
Matrix: Water
Date Received: 04/27/19 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	484348	05/09/19 02:35	PMF	TAL CHI

Client Sample ID: MW13I DUP
Lab Sample ID: 500-162371-7
Date Collected: 04/25/19 13:40
Matrix: Water
Date Received: 04/27/19 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	484348	05/09/19 03:00	PMF	TAL CHI

Laboratory References:

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

Accreditation/Certification Summary

Client: SCS Engineers
Job ID: 500-162371-1
Project/Site: Stoughton LF #25216022

Laboratory: Eurofins 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	08-31-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)
Report To
Contact: Tony Kollash
Company: SCS Engineers
Address: 2870 Dairy Dr.
Address: Madison WI
Phone: 608-216-7381
Fax:
E-Mail:

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

500-162371 COC

Chain of Custody Record

Lab Job #: 500-162371
Chain of Custody Number:
Page ____ of ____
Temperature °C of Cooler: 0.4

Client	Client Project #
SCS	25214022
Project Name: Stoughton City Landfill	
Project Location/State: WI	Lab Project #
Sampler: Charlie Bills	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	Parameter: THF + DCDFM only	Comments
1		MW 3D	4-26-19	1010	3	W	X		
2		MW 4D	4-26-19	1020	3	W	X		
3		MW 5D	4-25-19	1500	3	W	X		
4		MW 7I	4/25/19	1130	3	W	X		
5		MW 8I	4/25/19	1050	3	W	X		
6		MW 13I	4/25/19	1340	3	W	X		
7		MW 13I Dup	4/25/19	1340	3	W	X		

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

Sample Disposal
[ ] Return to Client [X] 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
Charles Bills	SCS	4-26-19	1700	Paula Buckley	THCH	4/27/19	1000
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
Shipped 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)

5/13/2019

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 500-162371-1

Login Number: 162371
List Number: 1
Creator: Buckley, Paula M

List Source: Eurofins 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	0.4
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	

Appendix B

Certification, Data Summary, and 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 25th, 2019	April 2019

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)
Sandra Fredrick	Project Manager II	(920) 261-1660

Sandie Fredrick
Signature

06-03-19
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-19

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-162370-1	124	MW9S	04/25/2019	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	UG/L		
500-162370-1	124	MW9S	04/25/2019	34506	1,1,1-Trichloroethane		40	200	0.38	UG/L		
500-162370-1	124	MW9S	04/25/2019	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	UG/L		
500-162370-1	124	MW9S	04/25/2019	34511	1,1,2-Trichloroethane		0.5	5	0.35	UG/L		
500-162370-1	124	MW9S	04/25/2019	34496	1,1-Dichloroethane		85	850	0.41	UG/L		
500-162370-1	124	MW9S	04/25/2019	34501	1,1-Dichloroethene		0.7	7	0.39	UG/L		
500-162370-1	124	MW9S	04/25/2019	77168	1,1-Dichloropropene				0.3	UG/L		
500-162370-1	124	MW9S	04/25/2019	77613	1,2,3-Trichlorobenzene				0.46	UG/L		
500-162370-1	124	MW9S	04/25/2019	77443	1,2,3-Trichloropropane		12	60	0.41	UG/L		
500-162370-1	124	MW9S	04/25/2019	34551	1,2,4-Trichlorobenzene		14	70	0.34	UG/L		
500-162370-1	124	MW9S	04/25/2019	77222	1,2,4-Trimethylbenzene		96	480	0.36	UG/L		
500-162370-1	124	MW9S	04/25/2019	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	UG/L		
500-162370-1	124	MW9S	04/25/2019	77651	1,2-Dibromoethane		0.005	0.05	0.39	UG/L		
500-162370-1	124	MW9S	04/25/2019	34536	1,2-Dichlorobenzene		60	600	0.33	UG/L		
500-162370-1	124	MW9S	04/25/2019	32103	1,2-Dichloroethane		0.5	5	0.39	UG/L		
500-162370-1	124	MW9S	04/25/2019	34541	1,2-Dichloropropane		0.5	5	0.43	UG/L		
500-162370-1	124	MW9S	04/25/2019	77226	1,3,5-Trimethylbenzene		96	480	0.25	UG/L		
500-162370-1	124	MW9S	04/25/2019	34566	1,3-Dichlorobenzene		120	600	0.4	UG/L		
500-162370-1	124	MW9S	04/25/2019	77173	1,3-Dichloropropane				0.36	UG/L		
500-162370-1	124	MW9S	04/25/2019	34571	1,4-Dichlorobenzene		15	75	0.36	UG/L		
500-162370-1	124	MW9S	04/25/2019	77170	2,2-Dichloropropane				0.44	UG/L		
500-162370-1	124	MW9S	04/25/2019	77275	2-Chlorotoluene				0.31	UG/L		
500-162370-1	124	MW9S	04/25/2019	77277	4-Chlorotoluene				0.35	UG/L		
500-162370-1	124	MW9S	04/25/2019	34030	Benzene		0.5	5	0.15	UG/L		
500-162370-1	124	MW9S	04/25/2019	81555	Bromobenzene				0.36	UG/L		
500-162370-1	124	MW9S	04/25/2019	77297	Bromochloromethane				0.43	UG/L		
500-162370-1	124	MW9S	04/25/2019	32101	Bromodichloromethane		0.06	0.6	0.37	UG/L		
500-162370-1	124	MW9S	04/25/2019	32104	Bromoform		0.44	4.4	0.48	UG/L		
500-162370-1	124	MW9S	04/25/2019	34413	Bromomethane		1	10	0.8	UG/L		
500-162370-1	124	MW9S	04/25/2019	32102	Carbon tetrachloride		0.5	5	0.38	UG/L		
500-162370-1	124	MW9S	04/25/2019	34301	Chlorobenzene		20	100	0.39	UG/L		
500-162370-1	124	MW9S	04/25/2019	34311	Chloroethane		80	400	0.51	UG/L		
500-162370-1	124	MW9S	04/25/2019	32106	Chloroform		0.6	6	0.37	UG/L		
500-162370-1	124	MW9S	04/25/2019	34418	Chloromethane		3	30	0.32	UG/L		
500-162370-1	124	MW9S	04/25/2019	77093	cis-1,2-Dichloroethene		7	70	0.41	UG/L		
500-162370-1	124	MW9S	04/25/2019	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	UG/L		
500-162370-1	124	MW9S	04/25/2019	32105	Dibromochloromethane		6	60	0.49	UG/L		
500-162370-1	124	MW9S	04/25/2019	77596	Dibromomethane				0.27	UG/L		
500-162370-1	124	MW9S	04/25/2019	34668	Dichlorodifluoromethane	16	200	1000	0.67	UG/L		
500-162370-1	124	MW9S	04/25/2019	77119	Dichlorofluoromethane	22			0.38	UG/L		
500-162370-1	124	MW9S	04/25/2019	78113	Ethylbenzene		140	700	0.18	UG/L		
500-162370-1	124	MW9S	04/25/2019	34391	Hexachlorobutadiene				0.45	UG/L		
500-162370-1	124	MW9S	04/25/2019	81577	Isopropyl ether				0.28	UG/L		
500-162370-1	124	MW9S	04/25/2019	77223	Isopropylbenzene				0.39	UG/L		
500-162370-1	124	MW9S	04/25/2019	78032	Methyl tert-butyl ether		12	60	0.39	UG/L		
500-162370-1	124	MW9S	04/25/2019	34423	Methylene Chloride		0.5	5	1.6	UG/L		
500-162370-1	124	MW9S	04/25/2019	34696	Naphthalene		10	100	0.34	UG/L		
500-162370-1	124	MW9S	04/25/2019	77342	n-Butylbenzene				0.39	UG/L		

NR 140 PAL-ES Exceedance Report

Stoughton LF #25216022

Apr-19

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-162370-1	124	MW9S	04/25/2019	77224	N-Propylbenzene				0.41	UG/L		
500-162370-1	124	MW9S	04/25/2019	77356	p-Isopropyltoluene				0.36	UG/L		
500-162370-1	124	MW9S	04/25/2019	77350	sec-Butylbenzene				0.4	UG/L		
500-162370-1	124	MW9S	04/25/2019	77128	Styrene		10	100	0.39	UG/L		
500-162370-1	124	MW9S	04/25/2019	77353	tert-Butylbenzene				0.4	UG/L		
500-162370-1	124	MW9S	04/25/2019	34475	Tetrachloroethene		0.5	5	0.37	UG/L		
500-162370-1	124	MW9S	04/25/2019	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-162370-1	124	MW9S	04/25/2019	34010	Toluene		160	800	0.15	UG/L		
500-162370-1	124	MW9S	04/25/2019	34546	trans-1,2-Dichloroethene		20	100	0.35	UG/L		
500-162370-1	124	MW9S	04/25/2019	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	UG/L		
500-162370-1	124	MW9S	04/25/2019	39180	Trichloroethene	0.41	0.5	5	0.16	UG/L		
500-162370-1	124	MW9S	04/25/2019	34488	Trichlorofluoromethane		698	3490	0.43	UG/L		
500-162370-1	124	MW9S	04/25/2019	39175	Vinyl chloride		0.02	0.2	0.2	UG/L		
500-162370-1	124	MW9S	04/25/2019	81551	Xylenes, Total		400	2000	0.22	UG/L		
500-162370-10	999	TB	04/25/2019	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	UG/L		
500-162370-10	999	TB	04/25/2019	34506	1,1,1-Trichloroethane		40	200	0.38	UG/L		
500-162370-10	999	TB	04/25/2019	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	UG/L		
500-162370-10	999	TB	04/25/2019	34511	1,1,2-Trichloroethane		0.5	5	0.35	UG/L		
500-162370-10	999	TB	04/25/2019	34496	1,1-Dichloroethane		85	850	0.41	UG/L		
500-162370-10	999	TB	04/25/2019	34501	1,1-Dichloroethene		0.7	7	0.39	UG/L		
500-162370-10	999	TB	04/25/2019	77168	1,1-Dichloropropene				0.3	UG/L		
500-162370-10	999	TB	04/25/2019	77613	1,2,3-Trichlorobenzene				0.46	UG/L		
500-162370-10	999	TB	04/25/2019	77443	1,2,3-Trichloropropane		12	60	0.41	UG/L		
500-162370-10	999	TB	04/25/2019	34551	1,2,4-Trichlorobenzene		14	70	0.34	UG/L		
500-162370-10	999	TB	04/25/2019	77222	1,2,4-Trimethylbenzene		96	480	0.36	UG/L		
500-162370-10	999	TB	04/25/2019	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	UG/L		
500-162370-10	999	TB	04/25/2019	77651	1,2-Dibromoethane		0.005	0.05	0.39	UG/L		
500-162370-10	999	TB	04/25/2019	34536	1,2-Dichlorobenzene		60	600	0.33	UG/L		
500-162370-10	999	TB	04/25/2019	32103	1,2-Dichloroethane		0.5	5	0.39	UG/L		
500-162370-10	999	TB	04/25/2019	34541	1,2-Dichloropropane		0.5	5	0.43	UG/L		
500-162370-10	999	TB	04/25/2019	77226	1,3,5-Trimethylbenzene		96	480	0.25	UG/L		
500-162370-10	999	TB	04/25/2019	34566	1,3-Dichlorobenzene		120	600	0.4	UG/L		
500-162370-10	999	TB	04/25/2019	77173	1,3-Dichloropropane				0.36	UG/L		
500-162370-10	999	TB	04/25/2019	34571	1,4-Dichlorobenzene		15	75	0.36	UG/L		
500-162370-10	999	TB	04/25/2019	77170	2,2-Dichloropropane				0.44	UG/L		
500-162370-10	999	TB	04/25/2019	77275	2-Chlorotoluene				0.31	UG/L		
500-162370-10	999	TB	04/25/2019	77277	4-Chlorotoluene				0.35	UG/L		
500-162370-10	999	TB	04/25/2019	34030	Benzene		0.5	5	0.15	UG/L		
500-162370-10	999	TB	04/25/2019	81555	Bromobenzene				0.36	UG/L		
500-162370-10	999	TB	04/25/2019	77297	Bromochloromethane				0.43	UG/L		
500-162370-10	999	TB	04/25/2019	32101	Bromodichloromethane		0.06	0.6	0.37	UG/L		
500-162370-10	999	TB	04/25/2019	32104	Bromoform		0.44	4.4	0.48	UG/L		
500-162370-10	999	TB	04/25/2019	34413	Bromomethane		1	10	0.8	UG/L		
500-162370-10	999	TB	04/25/2019	32102	Carbon tetrachloride		0.5	5	0.38	UG/L		
500-162370-10	999	TB	04/25/2019	34301	Chlorobenzene		20	100	0.39	UG/L		
500-162370-10	999	TB	04/25/2019	34311	Chloroethane		80	400	0.51	UG/L		
500-162370-10	999	TB	04/25/2019	32106	Chloroform		0.6	6	0.37	UG/L		
500-162370-10	999	TB	04/25/2019	34418	Chloromethane		3	30	0.32	UG/L		

NR 140 PAL-ES Exceedance Report

Stoughton LF #25216022

Apr-19

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-162370-10	999	TB	04/25/2019	77093	cis-1,2-Dichloroethene		7	70	0.41	UG/L		
500-162370-10	999	TB	04/25/2019	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	UG/L		
500-162370-10	999	TB	04/25/2019	32105	Dibromochloromethane		6	60	0.49	UG/L		
500-162370-10	999	TB	04/25/2019	77596	Dibromomethane				0.27	UG/L		
500-162370-10	999	TB	04/25/2019	34668	Dichlorodifluoromethane		200	1000	0.67	UG/L		
500-162370-10	999	TB	04/25/2019	77119	Dichlorofluoromethane				0.38	UG/L		
500-162370-10	999	TB	04/25/2019	78113	Ethylbenzene		140	700	0.18	UG/L		
500-162370-10	999	TB	04/25/2019	34391	Hexachlorobutadiene				0.45	UG/L		
500-162370-10	999	TB	04/25/2019	81577	Isopropyl ether				0.28	UG/L		
500-162370-10	999	TB	04/25/2019	77223	Isopropylbenzene				0.39	UG/L		
500-162370-10	999	TB	04/25/2019	78032	Methyl tert-butyl ether		12	60	0.39	UG/L		
500-162370-10	999	TB	04/25/2019	34423	Methylene Chloride		0.5	5	1.6	UG/L		
500-162370-10	999	TB	04/25/2019	34696	Naphthalene		10	100	0.34	UG/L		
500-162370-10	999	TB	04/25/2019	77342	n-Butylbenzene				0.39	UG/L		
500-162370-10	999	TB	04/25/2019	77224	N-Propylbenzene				0.41	UG/L		
500-162370-10	999	TB	04/25/2019	77356	p-Isopropyltoluene				0.36	UG/L		
500-162370-10	999	TB	04/25/2019	77350	sec-Butylbenzene				0.4	UG/L		
500-162370-10	999	TB	04/25/2019	77128	Styrene		10	100	0.39	UG/L		
500-162370-10	999	TB	04/25/2019	77353	tert-Butylbenzene				0.4	UG/L		
500-162370-10	999	TB	04/25/2019	34475	Tetrachloroethene		0.5	5	0.37	UG/L		
500-162370-10	999	TB	04/25/2019	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-162370-10	999	TB	04/25/2019	34010	Toluene	0.19	160	800	0.15	UG/L		
500-162370-10	999	TB	04/25/2019	34546	trans-1,2-Dichloroethene		20	100	0.35	UG/L		
500-162370-10	999	TB	04/25/2019	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	UG/L		
500-162370-10	999	TB	04/25/2019	39180	Trichloroethene		0.5	5	0.16	UG/L		
500-162370-10	999	TB	04/25/2019	34488	Trichlorofluoromethane		698	3490	0.43	UG/L		
500-162370-10	999	TB	04/25/2019	39175	Vinyl chloride		0.02	0.2	0.2	UG/L		
500-162370-10	999	TB	04/25/2019	81551	Xylenes, Total		400	2000	0.22	UG/L		
500-162370-2	125	MW9I	04/25/2019	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	UG/L		
500-162370-2	125	MW9I	04/25/2019	34506	1,1,1-Trichloroethane		40	200	0.38	UG/L		
500-162370-2	125	MW9I	04/25/2019	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	UG/L		
500-162370-2	125	MW9I	04/25/2019	34511	1,1,2-Trichloroethane		0.5	5	0.35	UG/L		
500-162370-2	125	MW9I	04/25/2019	34496	1,1-Dichloroethane		85	850	0.41	UG/L		
500-162370-2	125	MW9I	04/25/2019	34501	1,1-Dichloroethene		0.7	7	0.39	UG/L		
500-162370-2	125	MW9I	04/25/2019	77168	1,1-Dichloropropene				0.3	UG/L		
500-162370-2	125	MW9I	04/25/2019	77613	1,2,3-Trichlorobenzene				0.46	UG/L		
500-162370-2	125	MW9I	04/25/2019	77443	1,2,3-Trichloropropane		12	60	0.41	UG/L		
500-162370-2	125	MW9I	04/25/2019	34551	1,2,4-Trichlorobenzene		14	70	0.34	UG/L		
500-162370-2	125	MW9I	04/25/2019	77222	1,2,4-Trimethylbenzene		96	480	0.36	UG/L		
500-162370-2	125	MW9I	04/25/2019	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	UG/L		
500-162370-2	125	MW9I	04/25/2019	77651	1,2-Dibromoethane		0.005	0.05	0.39	UG/L		
500-162370-2	125	MW9I	04/25/2019	34536	1,2-Dichlorobenzene		60	600	0.33	UG/L		
500-162370-2	125	MW9I	04/25/2019	32103	1,2-Dichloroethane		0.5	5	0.39	UG/L		
500-162370-2	125	MW9I	04/25/2019	34541	1,2-Dichloropropane		0.5	5	0.43	UG/L		
500-162370-2	125	MW9I	04/25/2019	77226	1,3,5-Trimethylbenzene		96	480	0.25	UG/L		
500-162370-2	125	MW9I	04/25/2019	34566	1,3-Dichlorobenzene		120	600	0.4	UG/L		
500-162370-2	125	MW9I	04/25/2019	77173	1,3-Dichloropropane				0.36	UG/L		
500-162370-2	125	MW9I	04/25/2019	34571	1,4-Dichlorobenzene		15	75	0.36	UG/L		

NR 140 PAL-ES Exceedance Report

Stoughton LF #25216022

Apr-19

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-162370-2	125	MW9I	04/25/2019	77170	2,2-Dichloropropane				0.44	UG/L		
500-162370-2	125	MW9I	04/25/2019	77275	2-Chlorotoluene				0.31	UG/L		
500-162370-2	125	MW9I	04/25/2019	77277	4-Chlorotoluene				0.35	UG/L		
500-162370-2	125	MW9I	04/25/2019	34030	Benzene		0.5	5	0.15	UG/L		
500-162370-2	125	MW9I	04/25/2019	81555	Bromobenzene				0.36	UG/L		
500-162370-2	125	MW9I	04/25/2019	77297	Bromochloromethane				0.43	UG/L		
500-162370-2	125	MW9I	04/25/2019	32101	Bromodichloromethane		0.06	0.6	0.37	UG/L		
500-162370-2	125	MW9I	04/25/2019	32104	Bromoform		0.44	4.4	0.48	UG/L		
500-162370-2	125	MW9I	04/25/2019	34413	Bromomethane		1	10	0.8	UG/L		
500-162370-2	125	MW9I	04/25/2019	32102	Carbon tetrachloride		0.5	5	0.38	UG/L		
500-162370-2	125	MW9I	04/25/2019	34301	Chlorobenzene		20	100	0.39	UG/L		
500-162370-2	125	MW9I	04/25/2019	34311	Chloroethane		80	400	0.51	UG/L		
500-162370-2	125	MW9I	04/25/2019	32106	Chloroform		0.6	6	0.37	UG/L		
500-162370-2	125	MW9I	04/25/2019	34418	Chloromethane		3	30	0.32	UG/L		
500-162370-2	125	MW9I	04/25/2019	77093	cis-1,2-Dichloroethene	0.52	7	70	0.41	UG/L		
500-162370-2	125	MW9I	04/25/2019	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	UG/L		
500-162370-2	125	MW9I	04/25/2019	32105	Dibromochloromethane		6	60	0.49	UG/L		
500-162370-2	125	MW9I	04/25/2019	77596	Dibromomethane				0.27	UG/L		
500-162370-2	125	MW9I	04/25/2019	34668	Dichlorodifluoromethane	16	200	1000	0.67	UG/L		
500-162370-2	125	MW9I	04/25/2019	77119	Dichlorofluoromethane	16			0.38	UG/L		
500-162370-2	125	MW9I	04/25/2019	78113	Ethylbenzene		140	700	0.18	UG/L		
500-162370-2	125	MW9I	04/25/2019	34391	Hexachlorobutadiene				0.45	UG/L		
500-162370-2	125	MW9I	04/25/2019	81577	Isopropyl ether				0.28	UG/L		
500-162370-2	125	MW9I	04/25/2019	77223	Isopropylbenzene				0.39	UG/L		
500-162370-2	125	MW9I	04/25/2019	78032	Methyl tert-butyl ether		12	60	0.39	UG/L		
500-162370-2	125	MW9I	04/25/2019	34423	Methylene Chloride		0.5	5	1.6	UG/L		
500-162370-2	125	MW9I	04/25/2019	34696	Naphthalene		10	100	0.34	UG/L		
500-162370-2	125	MW9I	04/25/2019	77342	n-Butylbenzene				0.39	UG/L		
500-162370-2	125	MW9I	04/25/2019	77224	N-Propylbenzene				0.41	UG/L		
500-162370-2	125	MW9I	04/25/2019	77356	p-Isopropyltoluene				0.36	UG/L		
500-162370-2	125	MW9I	04/25/2019	77350	sec-Butylbenzene				0.4	UG/L		
500-162370-2	125	MW9I	04/25/2019	77128	Styrene		10	100	0.39	UG/L		
500-162370-2	125	MW9I	04/25/2019	77353	tert-Butylbenzene				0.4	UG/L		
500-162370-2	125	MW9I	04/25/2019	34475	Tetrachloroethene		0.5	5	0.37	UG/L		
500-162370-2	125	MW9I	04/25/2019	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-162370-2	125	MW9I	04/25/2019	34010	Toluene		160	800	0.15	UG/L		
500-162370-2	125	MW9I	04/25/2019	34546	trans-1,2-Dichloroethene		20	100	0.35	UG/L		
500-162370-2	125	MW9I	04/25/2019	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	UG/L		
500-162370-2	125	**MW9I**	04/25/2019	39180	**Trichloroethene**	**0.77**	0.5	5	0.16	UG/L	**PAL Exceeded**	
500-162370-2	125	MW9I	04/25/2019	34488	Trichlorofluoromethane		698	3490	0.43	UG/L		
500-162370-2	125	MW9I	04/25/2019	39175	Vinyl chloride		0.02	0.2	0.2	UG/L		
500-162370-2	125	MW9I	04/25/2019	81551	Xylenes, Total		400	2000	0.22	UG/L		
500-162370-3	126	MW9B	04/25/2019	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	UG/L		
500-162370-3	126	MW9B	04/25/2019	34506	1,1,1-Trichloroethane		40	200	0.38	UG/L		
500-162370-3	126	MW9B	04/25/2019	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	UG/L		
500-162370-3	126	MW9B	04/25/2019	34511	1,1,2-Trichloroethane		0.5	5	0.35	UG/L		
500-162370-3	126	MW9B	04/25/2019	34496	1,1-Dichloroethane		85	850	0.41	UG/L		
500-162370-3	126	MW9B	04/25/2019	34501	1,1-Dichloroethene		0.7	7	0.39	UG/L		

NR 140 PAL-ES Exceedance Report

Stoughton LF #25216022

Apr-19

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-162370-3	126	MW9B	04/25/2019	77168	1,1-Dichloropropene				0.3	UG/L		
500-162370-3	126	MW9B	04/25/2019	77613	1,2,3-Trichlorobenzene				0.46	UG/L		
500-162370-3	126	MW9B	04/25/2019	77443	1,2,3-Trichloropropane		12	60	0.41	UG/L		
500-162370-3	126	MW9B	04/25/2019	34551	1,2,4-Trichlorobenzene		14	70	0.34	UG/L		
500-162370-3	126	MW9B	04/25/2019	77222	1,2,4-Trimethylbenzene		96	480	0.36	UG/L		
500-162370-3	126	MW9B	04/25/2019	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	UG/L		
500-162370-3	126	MW9B	04/25/2019	77651	1,2-Dibromoethane		0.005	0.05	0.39	UG/L		
500-162370-3	126	MW9B	04/25/2019	34536	1,2-Dichlorobenzene		60	600	0.33	UG/L		
500-162370-3	126	MW9B	04/25/2019	32103	1,2-Dichloroethane		0.5	5	0.39	UG/L		
500-162370-3	126	MW9B	04/25/2019	34541	1,2-Dichloropropane		0.5	5	0.43	UG/L		
500-162370-3	126	MW9B	04/25/2019	77226	1,3,5-Trimethylbenzene		96	480	0.25	UG/L		
500-162370-3	126	MW9B	04/25/2019	34566	1,3-Dichlorobenzene		120	600	0.4	UG/L		
500-162370-3	126	MW9B	04/25/2019	77173	1,3-Dichloropropane				0.36	UG/L		
500-162370-3	126	MW9B	04/25/2019	34571	1,4-Dichlorobenzene		15	75	0.36	UG/L		
500-162370-3	126	MW9B	04/25/2019	77170	2,2-Dichloropropane				0.44	UG/L		
500-162370-3	126	MW9B	04/25/2019	77275	2-Chlorotoluene				0.31	UG/L		
500-162370-3	126	MW9B	04/25/2019	77277	4-Chlorotoluene				0.35	UG/L		
500-162370-3	126	MW9B	04/25/2019	34030	Benzene		0.5	5	0.15	UG/L		
500-162370-3	126	MW9B	04/25/2019	81555	Bromobenzene				0.36	UG/L		
500-162370-3	126	MW9B	04/25/2019	77297	Bromochloromethane				0.43	UG/L		
500-162370-3	126	MW9B	04/25/2019	32101	Bromodichloromethane		0.06	0.6	0.37	UG/L		
500-162370-3	126	MW9B	04/25/2019	32104	Bromoform		0.44	4.4	0.48	UG/L		
500-162370-3	126	MW9B	04/25/2019	34413	Bromomethane		1	10	0.8	UG/L		
500-162370-3	126	MW9B	04/25/2019	32102	Carbon tetrachloride		0.5	5	0.38	UG/L		
500-162370-3	126	MW9B	04/25/2019	34301	Chlorobenzene		20	100	0.39	UG/L		
500-162370-3	126	MW9B	04/25/2019	34311	Chloroethane		80	400	0.51	UG/L		
500-162370-3	126	MW9B	04/25/2019	32106	Chloroform		0.6	6	0.37	UG/L		
500-162370-3	126	MW9B	04/25/2019	34418	Chloromethane		3	30	0.32	UG/L		
500-162370-3	126	MW9B	04/25/2019	77093	cis-1,2-Dichloroethene		7	70	0.41	UG/L		
500-162370-3	126	MW9B	04/25/2019	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	UG/L		
500-162370-3	126	MW9B	04/25/2019	32105	Dibromochloromethane		6	60	0.49	UG/L		
500-162370-3	126	MW9B	04/25/2019	77596	Dibromomethane				0.27	UG/L		
500-162370-3	126	MW9B	04/25/2019	34668	Dichlorodifluoromethane	1.5	200	1000	0.67	UG/L		
500-162370-3	126	MW9B	04/25/2019	77119	Dichlorofluoromethane	0.76			0.38	UG/L		
500-162370-3	126	MW9B	04/25/2019	78113	Ethylbenzene		140	700	0.18	UG/L		
500-162370-3	126	MW9B	04/25/2019	34391	Hexachlorobutadiene				0.45	UG/L		
500-162370-3	126	MW9B	04/25/2019	81577	Isopropyl ether				0.28	UG/L		
500-162370-3	126	MW9B	04/25/2019	77223	Isopropylbenzene				0.39	UG/L		
500-162370-3	126	MW9B	04/25/2019	78032	Methyl tert-butyl ether		12	60	0.39	UG/L		
500-162370-3	126	MW9B	04/25/2019	34423	Methylene Chloride		0.5	5	1.6	UG/L		
500-162370-3	126	MW9B	04/25/2019	34696	Naphthalene		10	100	0.34	UG/L		
500-162370-3	126	MW9B	04/25/2019	77342	n-Butylbenzene				0.39	UG/L		
500-162370-3	126	MW9B	04/25/2019	77224	N-Propylbenzene				0.41	UG/L		
500-162370-3	126	MW9B	04/25/2019	77356	p-Isopropyltoluene				0.36	UG/L		
500-162370-3	126	MW9B	04/25/2019	77350	sec-Butylbenzene				0.4	UG/L		
500-162370-3	126	MW9B	04/25/2019	77128	Styrene		10	100	0.39	UG/L		
500-162370-3	126	MW9B	04/25/2019	77353	tert-Butylbenzene				0.4	UG/L		
500-162370-3	126	MW9B	04/25/2019	34475	Tetrachloroethene		0.5	5	0.37	UG/L		

NR 140 PAL-ES Exceedance Report

Stoughton LF #25216022

Apr-19

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-162370-3	126	MW9B	04/25/2019	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-162370-3	126	MW9B	04/25/2019	34010	Toluene		160	800	0.15	UG/L		
500-162370-3	126	MW9B	04/25/2019	34546	trans-1,2-Dichloroethene		20	100	0.35	UG/L		
500-162370-3	126	MW9B	04/25/2019	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	UG/L		
500-162370-3	126	MW9B	04/25/2019	39180	Trichloroethene		0.5	5	0.16	UG/L		
500-162370-3	126	MW9B	04/25/2019	34488	Trichlorofluoromethane		698	3490	0.43	UG/L		
500-162370-3	126	MW9B	04/25/2019	39175	Vinyl chloride		0.02	0.2	0.2	UG/L		
500-162370-3	126	MW9B	04/25/2019	81551	Xylenes, Total		400	2000	0.22	UG/L		
500-162370-4	127	MW10S	04/25/2019	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	UG/L		
500-162370-4	127	MW10S	04/25/2019	34506	1,1,1-Trichloroethane		40	200	0.38	UG/L		
500-162370-4	127	MW10S	04/25/2019	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	UG/L		
500-162370-4	127	MW10S	04/25/2019	34511	1,1,2-Trichloroethane		0.5	5	0.35	UG/L		
500-162370-4	127	MW10S	04/25/2019	34496	1,1-Dichloroethane		85	850	0.41	UG/L		
500-162370-4	127	MW10S	04/25/2019	34501	1,1-Dichloroethene		0.7	7	0.39	UG/L		
500-162370-4	127	MW10S	04/25/2019	77168	1,1-Dichloropropene				0.3	UG/L		
500-162370-4	127	MW10S	04/25/2019	77613	1,2,3-Trichlorobenzene				0.46	UG/L		
500-162370-4	127	MW10S	04/25/2019	77443	1,2,3-Trichloropropane		12	60	0.41	UG/L		
500-162370-4	127	MW10S	04/25/2019	34551	1,2,4-Trichlorobenzene		14	70	0.34	UG/L		
500-162370-4	127	MW10S	04/25/2019	77222	1,2,4-Trimethylbenzene		96	480	0.36	UG/L		
500-162370-4	127	MW10S	04/25/2019	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	UG/L		
500-162370-4	127	MW10S	04/25/2019	77651	1,2-Dibromoethane		0.005	0.05	0.39	UG/L		
500-162370-4	127	MW10S	04/25/2019	34536	1,2-Dichlorobenzene		60	600	0.33	UG/L		
500-162370-4	127	MW10S	04/25/2019	32103	1,2-Dichloroethane		0.5	5	0.39	UG/L		
500-162370-4	127	MW10S	04/25/2019	34541	1,2-Dichloropropane		0.5	5	0.43	UG/L		
500-162370-4	127	MW10S	04/25/2019	77226	1,3,5-Trimethylbenzene		96	480	0.25	UG/L		
500-162370-4	127	MW10S	04/25/2019	34566	1,3-Dichlorobenzene		120	600	0.4	UG/L		
500-162370-4	127	MW10S	04/25/2019	77173	1,3-Dichloropropane				0.36	UG/L		
500-162370-4	127	MW10S	04/25/2019	34571	1,4-Dichlorobenzene		15	75	0.36	UG/L		
500-162370-4	127	MW10S	04/25/2019	77170	2,2-Dichloropropane				0.44	UG/L		
500-162370-4	127	MW10S	04/25/2019	77275	2-Chlorotoluene				0.31	UG/L		
500-162370-4	127	MW10S	04/25/2019	77277	4-Chlorotoluene				0.35	UG/L		
500-162370-4	127	MW10S	04/25/2019	34030	Benzene		0.5	5	0.15	UG/L		
500-162370-4	127	MW10S	04/25/2019	81555	Bromobenzene				0.36	UG/L		
500-162370-4	127	MW10S	04/25/2019	77297	Bromochloromethane				0.43	UG/L		
500-162370-4	127	MW10S	04/25/2019	32101	Bromodichloromethane		0.06	0.6	0.37	UG/L		
500-162370-4	127	MW10S	04/25/2019	32104	Bromoform		0.44	4.4	0.48	UG/L		
500-162370-4	127	MW10S	04/25/2019	34413	Bromomethane		1	10	0.8	UG/L		
500-162370-4	127	MW10S	04/25/2019	32102	Carbon tetrachloride		0.5	5	0.38	UG/L		
500-162370-4	127	MW10S	04/25/2019	34301	Chlorobenzene		20	100	0.39	UG/L		
500-162370-4	127	MW10S	04/25/2019	34311	Chloroethane		80	400	0.51	UG/L		
500-162370-4	127	MW10S	04/25/2019	32106	Chloroform		0.6	6	0.37	UG/L		
500-162370-4	127	MW10S	04/25/2019	34418	Chloromethane		3	30	0.32	UG/L		
500-162370-4	127	MW10S	04/25/2019	77093	cis-1,2-Dichloroethene		7	70	0.41	UG/L		
500-162370-4	127	MW10S	04/25/2019	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	UG/L		
500-162370-4	127	MW10S	04/25/2019	32105	Dibromochloromethane		6	60	0.49	UG/L		
500-162370-4	127	MW10S	04/25/2019	77596	Dibromomethane				0.27	UG/L		
500-162370-4	127	MW10S	04/25/2019	34668	Dichlorodifluoromethane		200	1000	0.67	UG/L		
500-162370-4	127	MW10S	04/25/2019	77119	Dichlorofluoromethane				0.38	UG/L		

NR 140 PAL-ES Exceedance Report

Stoughton LF #25216022

Apr-19

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-162370-4	127	MW10S	04/25/2019	78113	Ethylbenzene		140	700	0.18	UG/L		
500-162370-4	127	MW10S	04/25/2019	34391	Hexachlorobutadiene				0.45	UG/L		
500-162370-4	127	MW10S	04/25/2019	81577	Isopropyl ether				0.28	UG/L		
500-162370-4	127	MW10S	04/25/2019	77223	Isopropylbenzene				0.39	UG/L		
500-162370-4	127	MW10S	04/25/2019	78032	Methyl tert-butyl ether		12	60	0.39	UG/L		
500-162370-4	127	MW10S	04/25/2019	34423	Methylene Chloride		0.5	5	1.6	UG/L		
500-162370-4	127	MW10S	04/25/2019	34696	Naphthalene		10	100	0.34	UG/L		
500-162370-4	127	MW10S	04/25/2019	77342	n-Butylbenzene				0.39	UG/L		
500-162370-4	127	MW10S	04/25/2019	77224	N-Propylbenzene				0.41	UG/L		
500-162370-4	127	MW10S	04/25/2019	77356	p-Isopropyltoluene				0.36	UG/L		
500-162370-4	127	MW10S	04/25/2019	77350	sec-Butylbenzene				0.4	UG/L		
500-162370-4	127	MW10S	04/25/2019	77128	Styrene		10	100	0.39	UG/L		
500-162370-4	127	MW10S	04/25/2019	77353	tert-Butylbenzene				0.4	UG/L		
500-162370-4	127	MW10S	04/25/2019	34475	Tetrachloroethene		0.5	5	0.37	UG/L		
500-162370-4	127	MW10S	04/25/2019	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-162370-4	127	MW10S	04/25/2019	34010	Toluene		160	800	0.15	UG/L		
500-162370-4	127	MW10S	04/25/2019	34546	trans-1,2-Dichloroethene		20	100	0.35	UG/L		
500-162370-4	127	MW10S	04/25/2019	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	UG/L		
500-162370-4	127	MW10S	04/25/2019	39180	Trichloroethene		0.5	5	0.16	UG/L		
500-162370-4	127	MW10S	04/25/2019	34488	Trichlorofluoromethane		698	3490	0.43	UG/L		
500-162370-4	127	MW10S	04/25/2019	39175	Vinyl chloride		0.02	0.2	0.2	UG/L		
500-162370-4	127	MW10S	04/25/2019	81551	Xylenes, Total		400	2000	0.22	UG/L		
500-162370-5	133	MW14S	04/25/2019	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	UG/L		
500-162370-5	133	MW14S	04/25/2019	34506	1,1,1-Trichloroethane		40	200	0.38	UG/L		
500-162370-5	133	MW14S	04/25/2019	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	UG/L		
500-162370-5	133	MW14S	04/25/2019	34511	1,1,2-Trichloroethane		0.5	5	0.35	UG/L		
500-162370-5	133	MW14S	04/25/2019	34496	1,1-Dichloroethane		85	850	0.41	UG/L		
500-162370-5	133	MW14S	04/25/2019	34501	1,1-Dichloroethene		0.7	7	0.39	UG/L		
500-162370-5	133	MW14S	04/25/2019	77168	1,1-Dichloropropene				0.3	UG/L		
500-162370-5	133	MW14S	04/25/2019	77613	1,2,3-Trichlorobenzene				0.46	UG/L		
500-162370-5	133	MW14S	04/25/2019	77443	1,2,3-Trichloropropane		12	60	0.41	UG/L		
500-162370-5	133	MW14S	04/25/2019	34551	1,2,4-Trichlorobenzene		14	70	0.34	UG/L		
500-162370-5	133	MW14S	04/25/2019	77222	1,2,4-Trimethylbenzene		96	480	0.36	UG/L		
500-162370-5	133	MW14S	04/25/2019	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	UG/L		
500-162370-5	133	MW14S	04/25/2019	77651	1,2-Dibromoethane		0.005	0.05	0.39	UG/L		
500-162370-5	133	MW14S	04/25/2019	34536	1,2-Dichlorobenzene		60	600	0.33	UG/L		
500-162370-5	133	MW14S	04/25/2019	32103	1,2-Dichloroethane		0.5	5	0.39	UG/L		
500-162370-5	133	MW14S	04/25/2019	34541	1,2-Dichloropropane		0.5	5	0.43	UG/L		
500-162370-5	133	MW14S	04/25/2019	77226	1,3,5-Trimethylbenzene		96	480	0.25	UG/L		
500-162370-5	133	MW14S	04/25/2019	34566	1,3-Dichlorobenzene		120	600	0.4	UG/L		
500-162370-5	133	MW14S	04/25/2019	77173	1,3-Dichloropropane				0.36	UG/L		
500-162370-5	133	MW14S	04/25/2019	34571	1,4-Dichlorobenzene		15	75	0.36	UG/L		
500-162370-5	133	MW14S	04/25/2019	77170	2,2-Dichloropropane				0.44	UG/L		
500-162370-5	133	MW14S	04/25/2019	77275	2-Chlorotoluene				0.31	UG/L		
500-162370-5	133	MW14S	04/25/2019	77277	4-Chlorotoluene				0.35	UG/L		
500-162370-5	133	MW14S	04/25/2019	34030	Benzene		0.5	5	0.15	UG/L		
500-162370-5	133	MW14S	04/25/2019	81555	Bromobenzene				0.36	UG/L		
500-162370-5	133	MW14S	04/25/2019	77297	Bromochloromethane				0.43	UG/L		

NR 140 PAL-ES Exceedance Report

Stoughton LF #25216022

Apr-19

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-162370-5	133	MW14S	04/25/2019	32101	Bromodichloromethane		0.06	0.6	0.37	UG/L		
500-162370-5	133	MW14S	04/25/2019	32104	Bromoform		0.44	4.4	0.48	UG/L		
500-162370-5	133	MW14S	04/25/2019	34413	Bromomethane		1	10	0.8	UG/L		
500-162370-5	133	MW14S	04/25/2019	32102	Carbon tetrachloride		0.5	5	0.38	UG/L		
500-162370-5	133	MW14S	04/25/2019	34301	Chlorobenzene		20	100	0.39	UG/L		
500-162370-5	133	MW14S	04/25/2019	34311	Chloroethane		80	400	0.51	UG/L		
500-162370-5	133	MW14S	04/25/2019	32106	Chloroform		0.6	6	0.37	UG/L		
500-162370-5	133	MW14S	04/25/2019	34418	Chloromethane		3	30	0.32	UG/L		
500-162370-5	133	MW14S	04/25/2019	77093	cis-1,2-Dichloroethene		7	70	0.41	UG/L		
500-162370-5	133	MW14S	04/25/2019	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	UG/L		
500-162370-5	133	MW14S	04/25/2019	32105	Dibromochloromethane		6	60	0.49	UG/L		
500-162370-5	133	MW14S	04/25/2019	77596	Dibromomethane				0.27	UG/L		
500-162370-5	133	MW14S	04/25/2019	34668	Dichlorodifluoromethane		200	1000	0.67	UG/L		
500-162370-5	133	MW14S	04/25/2019	77119	Dichlorofluoromethane	2.8			0.38	UG/L		
500-162370-5	133	MW14S	04/25/2019	78113	Ethylbenzene		140	700	0.18	UG/L		
500-162370-5	133	MW14S	04/25/2019	34391	Hexachlorobutadiene				0.45	UG/L		
500-162370-5	133	MW14S	04/25/2019	81577	Isopropyl ether				0.28	UG/L		
500-162370-5	133	MW14S	04/25/2019	77223	Isopropylbenzene				0.39	UG/L		
500-162370-5	133	MW14S	04/25/2019	78032	Methyl tert-butyl ether		12	60	0.39	UG/L		
500-162370-5	133	MW14S	04/25/2019	34423	Methylene Chloride		0.5	5	1.6	UG/L		
500-162370-5	133	MW14S	04/25/2019	34696	Naphthalene		10	100	0.34	UG/L		
500-162370-5	133	MW14S	04/25/2019	77342	n-Butylbenzene				0.39	UG/L		
500-162370-5	133	MW14S	04/25/2019	77224	N-Propylbenzene				0.41	UG/L		
500-162370-5	133	MW14S	04/25/2019	77356	p-Isopropyltoluene				0.36	UG/L		
500-162370-5	133	MW14S	04/25/2019	77350	sec-Butylbenzene				0.4	UG/L		
500-162370-5	133	MW14S	04/25/2019	77128	Styrene		10	100	0.39	UG/L		
500-162370-5	133	MW14S	04/25/2019	77353	tert-Butylbenzene				0.4	UG/L		
500-162370-5	133	**MW14S**	04/25/2019	34475	**Tetrachloroethene**	**0.81**	0.5	5	0.37	UG/L	**PAL Exceeded**	
500-162370-5	133	MW14S	04/25/2019	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-162370-5	133	MW14S	04/25/2019	34010	Toluene		160	800	0.15	UG/L		
500-162370-5	133	MW14S	04/25/2019	34546	trans-1,2-Dichloroethene		20	100	0.35	UG/L		
500-162370-5	133	MW14S	04/25/2019	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	UG/L		
500-162370-5	133	MW14S	04/25/2019	39180	Trichloroethene		0.5	5	0.16	UG/L		
500-162370-5	133	MW14S	04/25/2019	34488	Trichlorofluoromethane		698	3490	0.43	UG/L		
500-162370-5	133	MW14S	04/25/2019	39175	Vinyl chloride		0.02	0.2	0.2	UG/L		
500-162370-5	133	MW14S	04/25/2019	81551	Xylenes, Total		400	2000	0.22	UG/L		
500-162370-6	134	MW14I	04/25/2019	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	UG/L		
500-162370-6	134	MW14I	04/25/2019	34506	1,1,1-Trichloroethane		40	200	0.38	UG/L		
500-162370-6	134	MW14I	04/25/2019	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	UG/L		
500-162370-6	134	MW14I	04/25/2019	34511	1,1,2-Trichloroethane		0.5	5	0.35	UG/L		
500-162370-6	134	MW14I	04/25/2019	34496	1,1-Dichloroethane		85	850	0.41	UG/L		
500-162370-6	134	MW14I	04/25/2019	34501	1,1-Dichloroethene		0.7	7	0.39	UG/L		
500-162370-6	134	MW14I	04/25/2019	77168	1,1-Dichloropropene				0.3	UG/L		
500-162370-6	134	MW14I	04/25/2019	77613	1,2,3-Trichlorobenzene				0.46	UG/L		
500-162370-6	134	MW14I	04/25/2019	77443	1,2,3-Trichloropropane		12	60	0.41	UG/L		
500-162370-6	134	MW14I	04/25/2019	34551	1,2,4-Trichlorobenzene		14	70	0.34	UG/L		
500-162370-6	134	MW14I	04/25/2019	77222	1,2,4-Trimethylbenzene		96	480	0.36	UG/L		
500-162370-6	134	MW14I	04/25/2019	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	UG/L		

NR 140 PAL-ES Exceedance Report

Stoughton LF #25216022

Apr-19

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-162370-6	134	MW14I	04/25/2019	77651	1,2-Dibromoethane		0.005	0.05	0.39	UG/L		
500-162370-6	134	MW14I	04/25/2019	34536	1,2-Dichlorobenzene		60	600	0.33	UG/L		
500-162370-6	134	MW14I	04/25/2019	32103	1,2-Dichloroethane		0.5	5	0.39	UG/L		
500-162370-6	134	MW14I	04/25/2019	34541	1,2-Dichloropropane		0.5	5	0.43	UG/L		
500-162370-6	134	MW14I	04/25/2019	77226	1,3,5-Trimethylbenzene		96	480	0.25	UG/L		
500-162370-6	134	MW14I	04/25/2019	34566	1,3-Dichlorobenzene		120	600	0.4	UG/L		
500-162370-6	134	MW14I	04/25/2019	77173	1,3-Dichloropropane				0.36	UG/L		
500-162370-6	134	MW14I	04/25/2019	34571	1,4-Dichlorobenzene		15	75	0.36	UG/L		
500-162370-6	134	MW14I	04/25/2019	77170	2,2-Dichloropropane				0.44	UG/L		
500-162370-6	134	MW14I	04/25/2019	77275	2-Chlorotoluene				0.31	UG/L		
500-162370-6	134	MW14I	04/25/2019	77277	4-Chlorotoluene				0.35	UG/L		
500-162370-6	134	MW14I	04/25/2019	34030	Benzene		0.5	5	0.15	UG/L		
500-162370-6	134	MW14I	04/25/2019	81555	Bromobenzene				0.36	UG/L		
500-162370-6	134	MW14I	04/25/2019	77297	Bromochloromethane				0.43	UG/L		
500-162370-6	134	MW14I	04/25/2019	32101	Bromodichloromethane		0.06	0.6	0.37	UG/L		
500-162370-6	134	MW14I	04/25/2019	32104	Bromoform		0.44	4.4	0.48	UG/L		
500-162370-6	134	MW14I	04/25/2019	34413	Bromomethane		1	10	0.8	UG/L		
500-162370-6	134	MW14I	04/25/2019	32102	Carbon tetrachloride		0.5	5	0.38	UG/L		
500-162370-6	134	MW14I	04/25/2019	34301	Chlorobenzene		20	100	0.39	UG/L		
500-162370-6	134	MW14I	04/25/2019	34311	Chloroethane		80	400	0.51	UG/L		
500-162370-6	134	MW14I	04/25/2019	32106	Chloroform		0.6	6	0.37	UG/L		
500-162370-6	134	MW14I	04/25/2019	34418	Chloromethane		3	30	0.32	UG/L		
500-162370-6	134	MW14I	04/25/2019	77093	cis-1,2-Dichloroethene		7	70	0.41	UG/L		
500-162370-6	134	MW14I	04/25/2019	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	UG/L		
500-162370-6	134	MW14I	04/25/2019	32105	Dibromochloromethane		6	60	0.49	UG/L		
500-162370-6	134	MW14I	04/25/2019	77596	Dibromomethane				0.27	UG/L		
500-162370-6	134	MW14I	04/25/2019	34668	Dichlorodifluoromethane		200	1000	0.67	UG/L		
500-162370-6	134	MW14I	04/25/2019	77119	Dichlorofluoromethane	9.4			0.38	UG/L		
500-162370-6	134	MW14I	04/25/2019	78113	Ethylbenzene		140	700	0.18	UG/L		
500-162370-6	134	MW14I	04/25/2019	34391	Hexachlorobutadiene				0.45	UG/L		
500-162370-6	134	MW14I	04/25/2019	81577	Isopropyl ether				0.28	UG/L		
500-162370-6	134	MW14I	04/25/2019	77223	Isopropylbenzene				0.39	UG/L		
500-162370-6	134	MW14I	04/25/2019	78032	Methyl tert-butyl ether		12	60	0.39	UG/L		
500-162370-6	134	MW14I	04/25/2019	34423	Methylene Chloride		0.5	5	1.6	UG/L		
500-162370-6	134	MW14I	04/25/2019	34696	Naphthalene		10	100	0.34	UG/L		
500-162370-6	134	MW14I	04/25/2019	77342	n-Butylbenzene				0.39	UG/L		
500-162370-6	134	MW14I	04/25/2019	77224	N-Propylbenzene				0.41	UG/L		
500-162370-6	134	MW14I	04/25/2019	77356	p-Isopropyltoluene				0.36	UG/L		
500-162370-6	134	MW14I	04/25/2019	77350	sec-Butylbenzene				0.4	UG/L		
500-162370-6	134	MW14I	04/25/2019	77128	Styrene		10	100	0.39	UG/L		
500-162370-6	134	MW14I	04/25/2019	77353	tert-Butylbenzene				0.4	UG/L		
500-162370-6	134	MW14I	04/25/2019	34475	Tetrachloroethene		0.5	5	0.37	UG/L		
500-162370-6	134	MW14I	04/25/2019	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-162370-6	134	MW14I	04/25/2019	34010	Toluene		160	800	0.15	UG/L		
500-162370-6	134	MW14I	04/25/2019	34546	trans-1,2-Dichloroethene		20	100	0.35	UG/L		
500-162370-6	134	MW14I	04/25/2019	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	UG/L		
500-162370-6	134	MW14I	04/25/2019	39180	Trichloroethene		0.5	5	0.16	UG/L		
500-162370-6	134	MW14I	04/25/2019	34488	Trichlorofluoromethane		698	3490	0.43	UG/L		

NR 140 PAL-ES Exceedance Report

Stoughton LF #25216022

Apr-19

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-162370-6	134	MW14I	04/25/2019	39175	Vinyl chloride		0.02	0.2	0.2	UG/L		
500-162370-6	134	MW14I	04/25/2019	81551	Xylenes, Total		400	2000	0.22	UG/L		
500-162370-7	128	MW10I	04/26/2019	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	UG/L		
500-162370-7	128	MW10I	04/26/2019	34506	1,1,1-Trichloroethane		40	200	0.38	UG/L		
500-162370-7	128	MW10I	04/26/2019	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	UG/L		
500-162370-7	128	MW10I	04/26/2019	34511	1,1,2-Trichloroethane		0.5	5	0.35	UG/L		
500-162370-7	128	MW10I	04/26/2019	34496	1,1-Dichloroethane		85	850	0.41	UG/L		
500-162370-7	128	MW10I	04/26/2019	34501	1,1-Dichloroethene		0.7	7	0.39	UG/L		
500-162370-7	128	MW10I	04/26/2019	77168	1,1-Dichloropropene				0.3	UG/L		
500-162370-7	128	MW10I	04/26/2019	77613	1,2,3-Trichlorobenzene				0.46	UG/L		
500-162370-7	128	MW10I	04/26/2019	77443	1,2,3-Trichloropropane		12	60	0.41	UG/L		
500-162370-7	128	MW10I	04/26/2019	34551	1,2,4-Trichlorobenzene		14	70	0.34	UG/L		
500-162370-7	128	MW10I	04/26/2019	77222	1,2,4-Trimethylbenzene		96	480	0.36	UG/L		
500-162370-7	128	MW10I	04/26/2019	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	UG/L		
500-162370-7	128	MW10I	04/26/2019	77651	1,2-Dibromoethane		0.005	0.05	0.39	UG/L		
500-162370-7	128	MW10I	04/26/2019	34536	1,2-Dichlorobenzene		60	600	0.33	UG/L		
500-162370-7	128	MW10I	04/26/2019	32103	1,2-Dichloroethane		0.5	5	0.39	UG/L		
500-162370-7	128	MW10I	04/26/2019	34541	1,2-Dichloropropane		0.5	5	0.43	UG/L		
500-162370-7	128	MW10I	04/26/2019	77226	1,3,5-Trimethylbenzene		96	480	0.25	UG/L		
500-162370-7	128	MW10I	04/26/2019	34566	1,3-Dichlorobenzene		120	600	0.4	UG/L		
500-162370-7	128	MW10I	04/26/2019	77173	1,3-Dichloropropane				0.36	UG/L		
500-162370-7	128	MW10I	04/26/2019	34571	1,4-Dichlorobenzene		15	75	0.36	UG/L		
500-162370-7	128	MW10I	04/26/2019	77170	2,2-Dichloropropane				0.44	UG/L		
500-162370-7	128	MW10I	04/26/2019	77275	2-Chlorotoluene				0.31	UG/L		
500-162370-7	128	MW10I	04/26/2019	77277	4-Chlorotoluene				0.35	UG/L		
500-162370-7	128	MW10I	04/26/2019	34030	Benzene		0.5	5	0.15	UG/L		
500-162370-7	128	MW10I	04/26/2019	81555	Bromobenzene				0.36	UG/L		
500-162370-7	128	MW10I	04/26/2019	77297	Bromochloromethane				0.43	UG/L		
500-162370-7	128	MW10I	04/26/2019	32101	Bromodichloromethane		0.06	0.6	0.37	UG/L		
500-162370-7	128	MW10I	04/26/2019	32104	Bromoform		0.44	4.4	0.48	UG/L		
500-162370-7	128	MW10I	04/26/2019	34413	Bromomethane		1	10	0.8	UG/L		
500-162370-7	128	MW10I	04/26/2019	32102	Carbon tetrachloride		0.5	5	0.38	UG/L		
500-162370-7	128	MW10I	04/26/2019	34301	Chlorobenzene		20	100	0.39	UG/L		
500-162370-7	128	MW10I	04/26/2019	34311	Chloroethane		80	400	0.51	UG/L		
500-162370-7	128	MW10I	04/26/2019	32106	Chloroform		0.6	6	0.37	UG/L		
500-162370-7	128	MW10I	04/26/2019	34418	Chloromethane		3	30	0.32	UG/L		
500-162370-7	128	MW10I	04/26/2019	77093	cis-1,2-Dichloroethene		7	70	0.41	UG/L		
500-162370-7	128	MW10I	04/26/2019	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	UG/L		
500-162370-7	128	MW10I	04/26/2019	32105	Dibromochloromethane		6	60	0.49	UG/L		
500-162370-7	128	MW10I	04/26/2019	77596	Dibromomethane				0.27	UG/L		
500-162370-7	128	MW10I	04/26/2019	34668	Dichlorodifluoromethane	5.8	200	1000	0.67	UG/L		
500-162370-7	128	MW10I	04/26/2019	77119	Dichlorofluoromethane	6.8			0.38	UG/L		
500-162370-7	128	MW10I	04/26/2019	78113	Ethylbenzene		140	700	0.18	UG/L		
500-162370-7	128	MW10I	04/26/2019	34391	Hexachlorobutadiene				0.45	UG/L		
500-162370-7	128	MW10I	04/26/2019	81577	Isopropyl ether				0.28	UG/L		
500-162370-7	128	MW10I	04/26/2019	77223	Isopropylbenzene				0.39	UG/L		
500-162370-7	128	MW10I	04/26/2019	78032	Methyl tert-butyl ether		12	60	0.39	UG/L		
500-162370-7	128	MW10I	04/26/2019	34423	Methylene Chloride		0.5	5	1.6	UG/L		

NR 140 PAL-ES Exceedance Report

Stoughton LF #25216022

Apr-19

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-162370-7	128	MW10I	04/26/2019	34696	Naphthalene		10	100	0.34	UG/L		
500-162370-7	128	MW10I	04/26/2019	77342	n-Butylbenzene				0.39	UG/L		
500-162370-7	128	MW10I	04/26/2019	77224	N-Propylbenzene				0.41	UG/L		
500-162370-7	128	MW10I	04/26/2019	77356	p-Isopropyltoluene				0.36	UG/L		
500-162370-7	128	MW10I	04/26/2019	77350	sec-Butylbenzene				0.4	UG/L		
500-162370-7	128	MW10I	04/26/2019	77128	Styrene		10	100	0.39	UG/L		
500-162370-7	128	MW10I	04/26/2019	77353	tert-Butylbenzene				0.4	UG/L		
500-162370-7	128	**MW10I**	04/26/2019	34475	**Tetrachloroethene**	**3.2**	0.5	5	0.37	UG/L	**PAL Exceeded**	
500-162370-7	128	MW10I	04/26/2019	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-162370-7	128	MW10I	04/26/2019	34010	Toluene		160	800	0.15	UG/L		
500-162370-7	128	MW10I	04/26/2019	34546	trans-1,2-Dichloroethene		20	100	0.35	UG/L		
500-162370-7	128	MW10I	04/26/2019	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	UG/L		
500-162370-7	128	MW10I	04/26/2019	39180	Trichloroethene		0.5	5	0.16	UG/L		
500-162370-7	128	MW10I	04/26/2019	34488	Trichlorofluoromethane		698	3490	0.43	UG/L		
500-162370-7	128	MW10I	04/26/2019	39175	Vinyl chloride		0.02	0.2	0.2	UG/L		
500-162370-7	128	MW10I	04/26/2019	81551	Xylenes, Total		400	2000	0.22	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34506	1,1,1-Trichloroethane		40	200	0.38	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34511	1,1,2-Trichloroethane		0.5	5	0.35	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34496	1,1-Dichloroethane		85	850	0.41	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34501	1,1-Dichloroethene		0.7	7	0.39	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	77168	1,1-Dichloropropene				0.3	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	77613	1,2,3-Trichlorobenzene				0.46	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	77443	1,2,3-Trichloropropane		12	60	0.41	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34551	1,2,4-Trichlorobenzene		14	70	0.34	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	77222	1,2,4-Trimethylbenzene		96	480	0.36	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	77651	1,2-Dibromoethane		0.005	0.05	0.39	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34536	1,2-Dichlorobenzene		60	600	0.33	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	32103	1,2-Dichloroethane		0.5	5	0.39	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34541	1,2-Dichloropropane		0.5	5	0.43	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	77226	1,3,5-Trimethylbenzene		96	480	0.25	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34566	1,3-Dichlorobenzene		120	600	0.4	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	77173	1,3-Dichloropropane				0.36	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34571	1,4-Dichlorobenzene		15	75	0.36	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	77170	2,2-Dichloropropane				0.44	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	77275	2-Chlorotoluene				0.31	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	77277	4-Chlorotoluene				0.35	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34030	Benzene		0.5	5	0.15	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	81555	Bromobenzene				0.36	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	77297	Bromochloromethane				0.43	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	32101	Bromodichloromethane		0.06	0.6	0.37	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	32104	Bromoform		0.44	4.4	0.48	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34413	Bromomethane		1	10	0.8	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	32102	Carbon tetrachloride		0.5	5	0.38	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34301	Chlorobenzene		20	100	0.39	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34311	Chloroethane		80	400	0.51	UG/L		

NR 140 PAL-ES Exceedance Report

Stoughton LF #25216022

Apr-19

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-162370-8	134	MW14I DUP	04/25/2019	32106	Chloroform		0.6	6	0.37	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34418	Chloromethane		3	30	0.32	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	77093	cis-1,2-Dichloroethene		7	70	0.41	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	32105	Dibromochloromethane		6	60	0.49	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	77596	Dibromomethane				0.27	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34668	Dichlorodifluoromethane		200	1000	0.67	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	77119	Dichlorofluoromethane	9.6			0.38	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	78113	Ethylbenzene		140	700	0.18	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34391	Hexachlorobutadiene				0.45	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	81577	Isopropyl ether				0.28	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	77223	Isopropylbenzene				0.39	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	78032	Methyl tert-butyl ether		12	60	0.39	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34423	Methylene Chloride		0.5	5	1.6	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34696	Naphthalene		10	100	0.34	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	77342	n-Butylbenzene				0.39	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	77224	N-Propylbenzene				0.41	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	77356	p-Isopropyltoluene				0.36	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	77350	sec-Butylbenzene				0.4	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	77128	Styrene		10	100	0.39	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	77353	tert-Butylbenzene				0.4	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34475	Tetrachloroethene		0.5	5	0.37	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34010	Toluene		160	800	0.15	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34546	trans-1,2-Dichloroethene		20	100	0.35	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	39180	Trichloroethene	0.18	0.5	5	0.16	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	34488	Trichlorofluoromethane		698	3490	0.43	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	39175	Vinyl chloride		0.02	0.2	0.2	UG/L		
500-162370-8	134	MW14I DUP	04/25/2019	81551	Xylenes, Total		400	2000	0.22	UG/L		
500-162370-9	997	01 FB	04/25/2019	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	UG/L		
500-162370-9	997	01 FB	04/25/2019	34506	1,1,1-Trichloroethane		40	200	0.38	UG/L		
500-162370-9	997	01 FB	04/25/2019	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	UG/L		
500-162370-9	997	01 FB	04/25/2019	34511	1,1,2-Trichloroethane		0.5	5	0.35	UG/L		
500-162370-9	997	01 FB	04/25/2019	34496	1,1-Dichloroethane		85	850	0.41	UG/L		
500-162370-9	997	01 FB	04/25/2019	34501	1,1-Dichloroethene		0.7	7	0.39	UG/L		
500-162370-9	997	01 FB	04/25/2019	77168	1,1-Dichloropropene				0.3	UG/L		
500-162370-9	997	01 FB	04/25/2019	77613	1,2,3-Trichlorobenzene				0.46	UG/L		
500-162370-9	997	01 FB	04/25/2019	77443	1,2,3-Trichloropropane		12	60	0.41	UG/L		
500-162370-9	997	01 FB	04/25/2019	34551	1,2,4-Trichlorobenzene		14	70	0.34	UG/L		
500-162370-9	997	01 FB	04/25/2019	77222	1,2,4-Trimethylbenzene		96	480	0.36	UG/L		
500-162370-9	997	01 FB	04/25/2019	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	UG/L		
500-162370-9	997	01 FB	04/25/2019	77651	1,2-Dibromoethane		0.005	0.05	0.39	UG/L		
500-162370-9	997	01 FB	04/25/2019	34536	1,2-Dichlorobenzene		60	600	0.33	UG/L		
500-162370-9	997	01 FB	04/25/2019	32103	1,2-Dichloroethane		0.5	5	0.39	UG/L		
500-162370-9	997	01 FB	04/25/2019	34541	1,2-Dichloropropane		0.5	5	0.43	UG/L		
500-162370-9	997	01 FB	04/25/2019	77226	1,3,5-Trimethylbenzene		96	480	0.25	UG/L		
500-162370-9	997	01 FB	04/25/2019	34566	1,3-Dichlorobenzene		120	600	0.4	UG/L		

NR 140 PAL-ES Exceedance Report

Stoughton LF #25216022

Apr-19

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-162370-9	997	01 FB	04/25/2019	77173	1,3-Dichloropropane				0.36	UG/L		
500-162370-9	997	01 FB	04/25/2019	34571	1,4-Dichlorobenzene		15	75	0.36	UG/L		
500-162370-9	997	01 FB	04/25/2019	77170	2,2-Dichloropropane				0.44	UG/L		
500-162370-9	997	01 FB	04/25/2019	77275	2-Chlorotoluene				0.31	UG/L		
500-162370-9	997	01 FB	04/25/2019	77277	4-Chlorotoluene				0.35	UG/L		
500-162370-9	997	01 FB	04/25/2019	34030	Benzene		0.5	5	0.15	UG/L		
500-162370-9	997	01 FB	04/25/2019	81555	Bromobenzene				0.36	UG/L		
500-162370-9	997	01 FB	04/25/2019	77297	Bromochloromethane				0.43	UG/L		
500-162370-9	997	01 FB	04/25/2019	32101	Bromodichloromethane		0.06	0.6	0.37	UG/L		
500-162370-9	997	01 FB	04/25/2019	32104	Bromoform		0.44	4.4	0.48	UG/L		
500-162370-9	997	01 FB	04/25/2019	34413	Bromomethane		1	10	0.8	UG/L		
500-162370-9	997	01 FB	04/25/2019	32102	Carbon tetrachloride		0.5	5	0.38	UG/L		
500-162370-9	997	01 FB	04/25/2019	34301	Chlorobenzene		20	100	0.39	UG/L		
500-162370-9	997	01 FB	04/25/2019	34311	Chloroethane		80	400	0.51	UG/L		
500-162370-9	997	01 FB	04/25/2019	32106	Chloroform		0.6	6	0.37	UG/L		
500-162370-9	997	01 FB	04/25/2019	34418	Chloromethane		3	30	0.32	UG/L		
500-162370-9	997	01 FB	04/25/2019	77093	cis-1,2-Dichloroethene		7	70	0.41	UG/L		
500-162370-9	997	01 FB	04/25/2019	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	UG/L		
500-162370-9	997	01 FB	04/25/2019	32105	Dibromochloromethane		6	60	0.49	UG/L		
500-162370-9	997	01 FB	04/25/2019	77596	Dibromomethane				0.27	UG/L		
500-162370-9	997	01 FB	04/25/2019	34668	Dichlorodifluoromethane		200	1000	0.67	UG/L		
500-162370-9	997	01 FB	04/25/2019	77119	Dichlorofluoromethane				0.38	UG/L		
500-162370-9	997	01 FB	04/25/2019	78113	Ethylbenzene		140	700	0.18	UG/L		
500-162370-9	997	01 FB	04/25/2019	34391	Hexachlorobutadiene				0.45	UG/L		
500-162370-9	997	01 FB	04/25/2019	81577	Isopropyl ether				0.28	UG/L		
500-162370-9	997	01 FB	04/25/2019	77223	Isopropylbenzene				0.39	UG/L		
500-162370-9	997	01 FB	04/25/2019	78032	Methyl tert-butyl ether		12	60	0.39	UG/L		
500-162370-9	997	01 FB	04/25/2019	34423	Methylene Chloride		0.5	5	1.6	UG/L		
500-162370-9	997	01 FB	04/25/2019	34696	Naphthalene		10	100	0.34	UG/L		
500-162370-9	997	01 FB	04/25/2019	77342	n-Butylbenzene				0.39	UG/L		
500-162370-9	997	01 FB	04/25/2019	77224	N-Propylbenzene				0.41	UG/L		
500-162370-9	997	01 FB	04/25/2019	77356	p-Isopropyltoluene				0.36	UG/L		
500-162370-9	997	01 FB	04/25/2019	77350	sec-Butylbenzene				0.4	UG/L		
500-162370-9	997	01 FB	04/25/2019	77128	Styrene		10	100	0.39	UG/L		
500-162370-9	997	01 FB	04/25/2019	77353	tert-Butylbenzene				0.4	UG/L		
500-162370-9	997	01 FB	04/25/2019	34475	Tetrachloroethene		0.5	5	0.37	UG/L		
500-162370-9	997	01 FB	04/25/2019	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-162370-9	997	01 FB	04/25/2019	34010	Toluene		160	800	0.15	UG/L		
500-162370-9	997	01 FB	04/25/2019	34546	trans-1,2-Dichloroethene		20	100	0.35	UG/L		
500-162370-9	997	01 FB	04/25/2019	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	UG/L		
500-162370-9	997	01 FB	04/25/2019	39180	Trichloroethene		0.5	5	0.16	UG/L		
500-162370-9	997	01 FB	04/25/2019	34488	Trichlorofluoromethane		698	3490	0.43	UG/L		
500-162370-9	997	01 FB	04/25/2019	39175	Vinyl chloride		0.02	0.2	0.2	UG/L		
500-162370-9	997	01 FB	04/25/2019	81551	Xylenes, Total		400	2000	0.22	UG/L		

NR 140 PAL-ES Exceedance Report

Stoughton LF #25216022

Apr-19

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-162371-1	112	MW3D	04/26/2019	34668	Dichlorodifluoromethane		200	1000	0.67	UG/L		
500-162371-1	112	MW3D	04/26/2019	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-162371-2	115	MW4D	04/26/2019	34668	Dichlorodifluoromethane		200	1000	0.67	UG/L		
500-162371-2	115	MW4D	04/26/2019	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-162371-3	117	MW5D	04/25/2019	34668	Dichlorodifluoromethane		200	1000	0.67	UG/L		
500-162371-3	117	MW5D	04/25/2019	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-162371-4	119	MW7I	04/25/2019	34668	Dichlorodifluoromethane		200	1000	0.67	UG/L		
500-162371-4	119	MW7I	04/25/2019	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-162371-5	122	MW8I	04/25/2019	34668	Dichlorodifluoromethane		200	1000	0.67	UG/L		
500-162371-5	122	MW8I	04/25/2019	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-162371-6	131	MW13I	04/25/2019	34668	Dichlorodifluoromethane		200	1000	0.67	UG/L		
500-162371-6	131	MW13I	04/25/2019	81607	Tetrahydrofuran		10	50	1.9	UG/L		
500-162371-7	131	MW13I DUP	04/25/2019	34668	Dichlorodifluoromethane		200	1000	0.67	UG/L		
500-162371-7	131	MW13I DUP	04/25/2019	81607	Tetrahydrofuran		10	50	1.9	UG/L		

Appendix C

Field Forms

Job Name: Stoughton City Landfill **Job. No.** 25219092.00 **By:** Charlie Bills and

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

SCS ENGINEERS

Notes: Meter calibrated 4-25-19 @ 0900

Temp is in °C [where noted].

Well No.	DNR ID	Sample Date	Time Sampled	Depth to Water	Total Depth	Volume Purged	Odor	Color	Turb.	Dissolved Oxygen (ppm)	Temp. (°F)	Conductivity (µs/cm)	Specific Conductivity (µs/cm)	pH
Param #	--	--	--	--	--	--	**1**	**2**	**3**	**--**	**10**	**--**	**94**	**400**
MW3S	111	4/26/2019	0925	7.97	19.4									
MW3D	112	4/26/2019	1010	8.02	73	45	N	N	N	0.91	52.9	--	896	7.41
MW3B	113	4/26/2019	0926	8.86	95									
MW4S	114	4/26/2019	0920	5.52	15.2									
MW4D	115	4/26/2019	1020	5.41	74	50	N	Br	SL	1.48	53.5	--	960	7.31
MW5S	116	4/25/2019	1400	5.50	16.6									
MW5D	117	4/25/2019	1500	5.33	77	50	N	Black	Mod.	3.16	62.7	--	839	7.53
MW7S	118	4/25/2019	1115	3.68	15.1									
MW7I	119	4/25/2019	1130	TOC	60	40	N	N	N	2.7	14.6°C	--	921	7.96
MW8S	121	4/25/2019		TOC	33									
MW8I	122	4/25/2019	1050	TOC	62.4	Low Flow	N	N	N	0.4	10.7°C	--	1075	7.52
MW8B	123	4/25/2019		TOC	39.5									
MW9S	124	4/25/2019	1025	0.75	13.4	10	N	N	N	2.49	10.3°C	--	750	7.39
MW9I	125	4/25/2019	1040	0.76	47.2	32	N	N	N	2.90	11.8°C	--	607	7.50
MW9B	126	4/25/2019	1050	0.50	83.3	56	N	N	N	6.47	14.0°C	--	274	7.34
MW10S	127	4/25/2019	1520	3.27	16.9	8	N	Br	High	4.6	8.9°C	--	583	8.56
MW10I	128	4/26/2019	0900	TOC	–		N	White	SL	2.09	53.4	--	789	7.27
MW13S	130	4/25/2019	1155	4.09	16.7									
MW13I	131	4/25/2019	1340	Artesian	–		N	N	SL	2.43	60.6	--	719	7.55

Job Name: Stoughton City Landfill **Job. No.** 25219092.00 **By:** Charlie Bills and

SCS ENGINEERS

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

Notes: Meter calibrated 4-25-19 @ 0900

Temp is in °C [where noted].

Well No.	DNR ID	Sample Date	Time Sampled	Depth to Water	Total Depth	Volume Purged	Odor	Color	Turb.	Dissolved Oxygen (ppm)	Temp. (°F)	Conductivity (µs/cm)	Specific Conductivity (µs/cm)	pH
Param #	--	--	--	--	--	--	**1**	**2**	**3**	**--**	**10**	**--**	**94**	**400**
MW14S	133	4/25/2019	1430	2.11	26.2	16	N	Br	High	2.0	11.9°C	--	436	7.89
MW14I	134	4/25/2019	1445	0.96	51.2	32	N	N	N	1.49	13.3°C	--	844	7.87
MW14D	135	4/25/2019		0.90	89.6									
MW15S	136	4/25/2019	1230	4.02	16.6									
MW15I	137	4/25/2019	1230	0.86	57.4									
MW15D	138	4/25/2019	1235	1.05	85.9									
MW13I DUP		4/25/2019	1340	Artesian			N	N	SL	2.43	61.2	--	722	7.56
MW14I DUP		4/25/2019	1445	0.96		32	N	N	N	1.49	13.3°C	--	844	7.81
Trip Blank	999													
Field Blank	997	4/26/2019	1000	--	--	--	N	N	N	2.6	71.3	--	6	8.56
____Blank														

Comments: Purge water from MW9I was disposed of at MMSD on 4/25/2019.

Meter calibrated @ 0900 on 4/26/2019.

Sampling Device: Bailer

Purging Method: Bailer & Monsoon

Cleaning Method: Tap water for Monsoon & nondedicated bailers

Form #

I:\25219092.00\Data and Calculations\Field Forms\[190425-26_2019 April GW.xls]Sheet1

Typed by: LMH, 6/18/2019

Checked: LAB, 6/19/2019